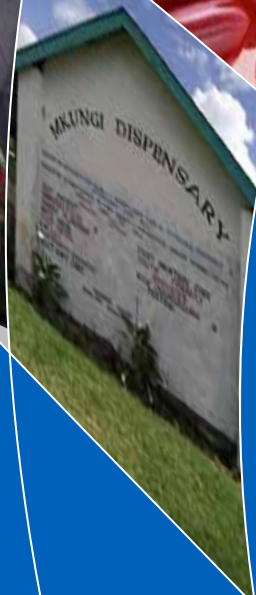




Ministry of Health



# Kenya Service Availability and Readiness Assessment Mapping

(SARAM) REPORT

2013

A Comprehensive mapping of health services,  
capacity for service provision, sector investments  
and readiness to provide services by County



World Health  
Organization





Ministry of Health

# KENYA SERVICE AVAILABILITY AND READINESS ASSESSMENT MAPPING (SARAM) REPORT

*A Comprehensive mapping of health services, capacity for service provision,  
sector investments and readiness to provide services by County*

2013

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## FOREWORD

The Kenya Service Availability and Readiness Assessment Mapping (SARAM) is the first Health Services Census to be conducted in Kenya. It provides information on:

- 1) The status of provision of the defined Kenya Essential Package of Health and related Services (KEPH),
- 2) Inputs required for delivery of health services and
- 3) Readiness for provision of the KEPH.

Specific information is provided on delivery of the KEPH, availability of human resources for health, physical infrastructure, availability of basic equipment, basic amenities and assets, essential medicines and medical supplies, diagnostic capacities and on readiness of health facilities to provide healthcare interventions relating to maternal and child health, family planning, basic and comprehensive emergency care, HIV, Tuberculosis, Malaria and non-communicable conditions. It also provides evidence on the leadership, governance and management of the health services and the geo-reference for the Mapping of health facilities and management units.

The outputs from this report are useful for defining County and National Government strategic direction in the medium term, transfer of health assets to the counties, and to guide future measuring and tracking of progress in expansion of KEPH services provision and investments as Kenya moves towards Universal Coverage with the Kenya Essential Package for Health (KEPH).

I encourage all stakeholders at national and Counties to use the vital information in this document for strategic planning, priority allocation of health resources, monitoring and evaluation of their interventions and programming in the endeavor to make Kenya a healthy nation. I would like you to keep in mind that the figures shown here are expected to change for the better as we pull together to improve service delivery to the citizenry. Therefore, we urge all stakeholders both at national and county levels (state and non-state actors) to regularly update this information on SARAM and maintain the database to determine the level of progress in these indicators.

Finally, on behalf of the Ministry of Health and the entire Kenyan nation, I express our appreciation to the World Health Organization together with the USAID AfyaInfo for providing technical guidance in the process design, execution and analysis, and the WHO and DfID Health Systems program for financing the process.



James W. Macharia

**CABINET SECRETARY**

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Special thanks and appreciation goes to the Director of Medical Services- Dr. Francis Kimani and the Director of Public Health and Sanitation- Dr.S.K. Sharif, together with the World Health Organisation Country Representative Dr.CustodiaMandlhate and Dr. Ties Boerma, the WHO/Geneva Director of Health Statistics and Informatics for their leadership and guidance during the SARAM census exercise. Special thanks and appreciation also go to the DfID /WHO Health Systems Strengthening program that provided funding for the process.

We are grateful to individuals, all firms and organisations whose support and commitment made this census a reality. In particular, we wish to thank the World Health Organisation (WHO) for Providing Technical and Financial support to the process. We offer thanks to the Heads of Departments, Divisions and programmes, and the County Health Management Teams that all provided Quality Assurance, together with the Health facility Management teams and all health staff whose contribution and insight towards facilitating and providing key information for the SARAM exercise has made this exercise a success. The firms that facilitated the data collection are also commended, and include the Great Lakes University of Kenya (GLUK), Health and Economics for Development (HEFDC), Mustard Masters, Solarmart Consultants and Ideal Project Design.

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The Ministry would like to thank all those whose names may have been inadvertently left out but who were either consulted during the development and administration of the SARAM questionnaires or who in one way or another contributed to this process. We wish to state that without their contributions this work would not have been possible. We are greatly indebted to them.



Prof. Fred H. K. Segor

**PRINCIPAL SECRETARY**

## PREFACE

This SARAM report provides the most comprehensive picture of the Health Sector in Kenya to date. Its publication coincides with the period when the Counties are being operationalised, and so is a rich source of information on how they can take advantage of their existing skills and assets to provide health and related services for the population in Kenya.

This report is not intended to be read chapter by chapter, as the information it contains is quite extensive and detailed. It is a Health sector statistical abstract, and so it is recommended the reader identifies the issues they are interested in, then go to the relevant section to look at the information therein.

All the sections of the report follow the same basic pattern: The section commences with an overall Country picture of the area being presented. This overall picture is presented as a Country average, and then disaggregated where feasible by level of care (Community, primary care, County hospital, or National referral), and by ownership (public, private not for profit, or private for profit). The same information is then presented by County, to allow more specific utilization of the information for each County

The report is structured across six sections

- **Section 1 (Introduction)** provides an overview of the Country, and the health sector / health system. This allows the reader to contextualize the information presented
- **Section 2 (Overview of the SARAM)** presents an explanation of the SARAM: What it is, its elements, objectives, and the methods used to derive the information
- **Section 3 (availability of KEPH services)** presents the data on the status of provision of different KEPH services across the Country. This is presented, by the six KEPH objectives. In this section, the reader is able to appreciate which services are currently being provided in which parts of the Country. The information is especially useful for planning scale up of KEPH services by Counties
- **Section 4 (capacity to provide KEPH services)** presents the data on the existing capacity to provide health and related services across the Country. The information covers physical facilities, health workforce, health infrastructure, and health products availability across the Country. The information is particularly useful for planning investments to improve capacity to deliver services
- **Section 5 (readiness to provide health services)** provides data on facility readiness to provide services – which together with availability and functionality define how physical access to health services is determined. The overall readiness of facilities to provide services is presented, followed by facility specific readiness to provide different priority programs: HIV, TB, Malaria, NCD's, NTD's, Child health, immunization, maternal health, and surgical services readiness specifically. In addition, the overall readiness of the sector for health leadership is also presented, focusing on stewardship, governance and partnership readiness.
- **Section 6 (conclusion)** wraps up the report, focusing on implications of the report outputs on service provision
- **Section 7 (County specific SARAM)** is specifically targeted at the Counties, and extracts key information the County needs to know from the preceeding sections, into a 2 page County factsheet. All the data presented here is from the other sections of the report.

It is our hope that this information will prove useful to you, and you plan and provide health services in your various capacities



Dr. Francis Kimani, MBChB, MMed (Phys)

**DIRECTOR OF MEDICAL SERVICES**

## ABBREVIATIONS

ACT	- Artemether + Lumefantrine (first line antimalarial drug)
CSOs	- Civil Society Organisations
CSSD	- Central Sterile Supply Department
CT	- Computer Tomography
DfID	- Department for International Development
DHIS	- District Health Information Software
ENT	- Ear Nose and Throat
FBHS	- Faith Based Health Services
FP	- Family Planning
GBV	- Gender Based Violence
HRH	- Human resources for Health
HRH	- Human Resources for Health
HRIS	- Human Resource Information System
ICT	- Information Communication Technology
IUD	- Intra- Uterine Device
KDHS	- Kenya Demographic Health Survey
KEPH	- Kenya Essential Package for Health
KEPI	- Kenya Expanded Programme on Immunisation
KHSSP	- Kenya Health Sector Strategic Plan
KSPA	- Kenya Service Provision Assessment
MCH	- Maternal and Child Health
MFL	- Master Facility List
NCDs	- Non-Communicable Diseases
NGOs	- Non- Governmental Organisations
NHSSP II	- Second National Health Sector Strategic Plan
NTDs	- Neglectable Tropical Diseases
OPD	- Outpatient Department
ORT	- Oral Rehydration Therapy
PETs	- Public Expenditure Tracking Survey
PMTCT	- Prevention Mother to- Child Transmission
SAM	- Service Availability Mapping
SARAM	- Service Availability and Readiness Assessment Mapping
UK	- United Kingdom
USAID	- United States of America and International Development
VCT	- Voluntary Counselling and Testing
WHO	- World Health Organisation

## DEFINITIONS OF KEY TERMS USED

Term	Definition in SARAM report
<b>Capacity</b>	Status of investments needed to produce a defined output
<b>Functionality</b>	The ability of the available investments to produce defined outputs
<b>Mean availability of services</b>	Average number of expected KEPH services that are available for a given level of care (Available KEPH services / expected KEPH services)
<b>Readiness</b>	The ability of the facility to provide expected services, given availability of inputs.
<b>Service</b>	Expected output that a client should receive as a result of investments in the sector

## EXECUTIVE SUMMARY

### Background

With the increased demand for accountability and the need to demonstrate results at country and county levels, information is needed to track how health systems would respond to increased inputs and improved processes over time and the impact such inputs and processes have on improved health outcomes and better health status.

Following the election in March 2013, Counties became operational as devolved units of service provision in the country. As they took on, and improved on services to Kenyans, it was important to have a clear status of health services provision and capacity for provision of services across the country. This would serve as a benchmark for counties to follow up on investments, and impacts of these in health. The Service Availability and Readiness Assessment Mapping (SARAM) was designed to provide this benchmark. It was based on the World Health Organization (WHO) Service Availability and Readiness Assessment (SARA)<sup>1</sup> methodology, designed to assess and monitor the service availability and readiness of the health sector to support the planning and managing of the health sector.

The SARAM exercise was designed with an aim to provide an understanding of the capacity for Service provision across Counties in Kenya. Its objective is to generate reliable information on service delivery, the availability of basic inputs to provide different services, and on the readiness of health facilities to provide basic health-care interventions. It provides a mapping of:

- Status of KEPH provision across the Country (health outcomes),
- Capacity to provide services, looking at
  - Availability of critical inputs needed for provision of services
  - Functionality of critical inputs needed for provision of services
- Readiness of critical inputs needed for provision of services

### Methodology

The SARAM was a National Census involving all units involved in health – health facilities (public, and private), and management levels – in Kenya that was carried out during the period April – May 2013. A standard set of data was collected from each facility and management unit based on a pre-designed questionnaire that collected three sets of information:

1. Basic information: Location, ownership, geocodes
2. Service Availability: Service Interventions provided by the facility, and available Human Resources for Health (HRH), Infrastructure (physical, equipment and Communication) and Health Products to facilitate provision of the interventions
3. Service Readiness: Health Service Delivery organization, and leadership capacity needed to provide the services

Data was collected by 10 teams across the Country, each focusing on a select set of counties. The data collection was real time using hand held devices/computers to enter data at source, to allow verification and cleaning of data during field work by a specially identified quality assurance team. Most of the analytical lines were pre-determined and coded in excel, allowing automated analysis and generation of required information.

Out of the identified and visited 8,401 facilities, over 88% fully participated in the census and provided all the required information to the enumerators. Of those that didn't have complete information, 60% only provided partial information (were not able to complete the questionnaires), while in 6% there was no respondent found. Only 22 facilities refused to participate, of which half (10) were medical clinics/stand alone VCT's)

<sup>1</sup> For details, see [http://www.who.int/healthinfo/systems/sara\\_introduction/en/index.html](http://www.who.int/healthinfo/systems/sara_introduction/en/index.html)

## Profile of facilities

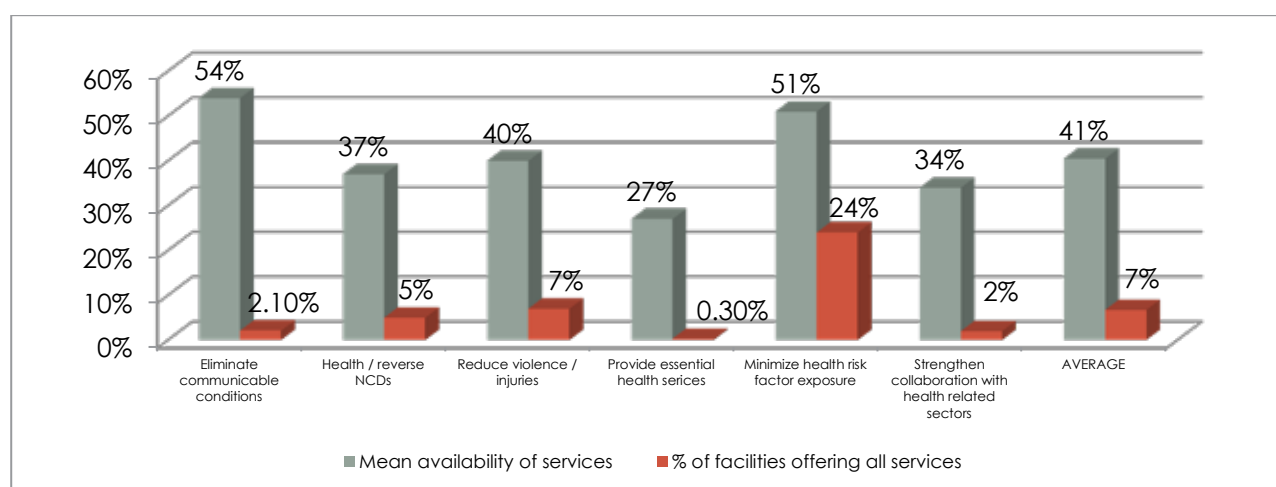
Description	Total number of facilities interviewed	Facilities not interviewed				Total number of facilities visited
		No respondent	Refused	Partially completed	Others	
Facility type						
Hospital	545	2	3	62	2	614
Health centre	1007	0	2	58	5	1072
Dispensary	3414	30	7	262	136	3849
Medical clinic/Stand-alone VCT	2157	32	10	189	173	2561
Maternity/Nursing home	273	0	0	28	4	305
Managing authority						
Public	3707	24	4	271	92	4098
Private, not-for-profit	1231	6	6	96	36	1375
Private, for-profit	2318	31	10	220	167	2746
Others	140	3	2	12	25	182
Urban/Rural						
Urban	2450	25	17	214	128	2834
Rural	4946	39	5	385	192	5567
Total	7396	64	22	599	320	8401

A total of 8,401 health facilities were identified in Kenya, with Nairobi County having the highest number of facilities (875 facilities, representing 10.4% of the total facilities) and Isiolo County had the least number of health facilities (42 facilities, representing 0.5% of the total health facilities). 49% of all the health facilities in the Country are public, 16% are private not-for-profit and 33% are private for-profit. Of the the total health facilities, 66% were from rural areas and urban health facilities constituted 34%. Hospitals constituted 7%, Health Centres 13%, dispensaries making the largest proportion, at 46% of all facilities, private clinics 31% while Maternity and nursing homes 4% with 66% of the facilities rural based.

## Mapping availability of KEPH services

The mapping of health services was done against the Kenya Essential Package for Health, (KEPH) – which is the comprehensive service package for the Country. Provision of different KEPH services was assessed in all health facilities. We present the mean availability of KEPH services (% of expected KEPH services available), and number of facilities providing ALL the expected KEPH services. On average, 41% of KEPH services are available across the Country as expected, with services addressing elimination of communicable conditions being the most available (54% of services), and essential health services the least available (27% of services). However, only 7% of facilities are providing all the KEPH services.

### Mean availability, and scope of provision of KEPH services



- For services to **eliminate communicable conditions**, the most available services relate to child health, good hygiene, and HIV/STI prevention, while the least available services relate to port health, NTD control and integrated vector management. Availability of expected services is higher

at primary care facilities as compared to hospitals, and amongst public facilities as compared to private facilities.

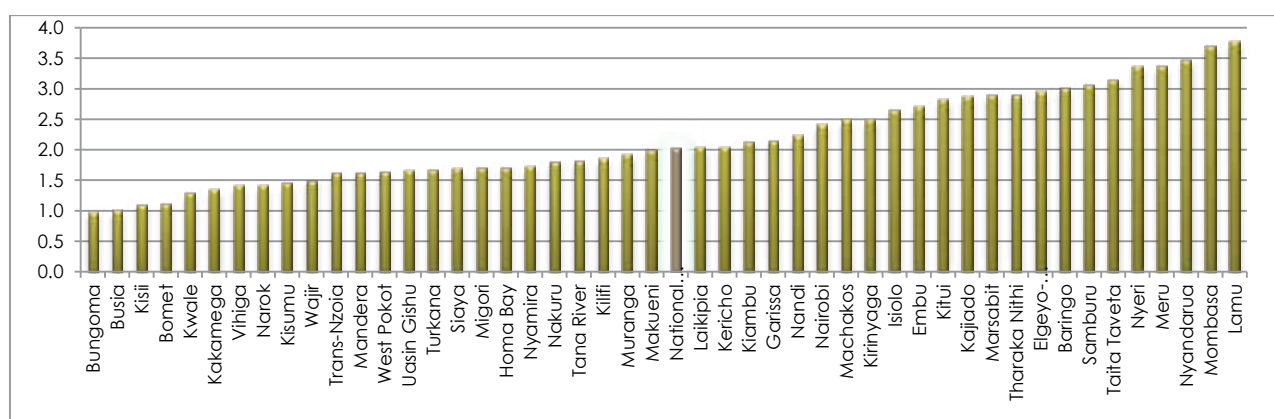
- For services to **halt and reverse the rising burden of non-communicable conditions**, the most available services relate to health promotion and workplace health and safety, while the least available services relate to rehabilitation, and NCD screening. Availability of expected services is marginally higher amongst public facilities as compared to private facilities, and amongst dispensaries and public facilities.
- For the services to **reduce the burden of violence and injuries**, the most available services relate to pre-hospital care, while emergency services are the least available. Availability of expected services is similar public and not for profit facilities.
- For the **essential health services**, the most available services relate to outpatient services, integrated MNCH and reproductive health services, while the least available services are laboratory, imaging and palliative care services. Availability of expected services is marginally higher amongst public facilities as compared to private facilities, and amongst dispensaries.
- For services to **minimize the exposure to health risk factors**, the most available services relate to health promotion and education are most available, while the least available services relate to promoting physical activity. Availability of expected services is higher amongst public facilities as compared to private facilities.
- Finally, for the **health related services** in the area of responsibility of facilities, the most commonly available initiatives are to support safe water and sanitation/hygiene, while the least available initiatives relate to transport and food fortification. Availability of expected services is higher amongst public facilities as compared to private facilities.

### Mapping capacity to provide services

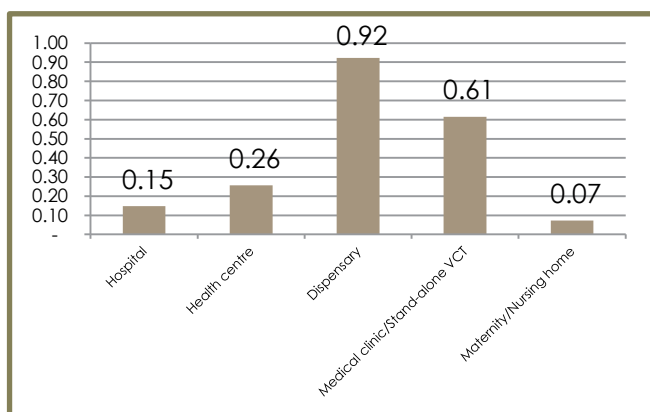
The SARAM mapped availability of infrastructure (including equipment, transport and ICT), health workers, and health products.

With infrastructure, the numbers of facilities per 10,000 population in each County are shown below. The national average facility density was 2.04 facilities per 10,000 persons, with Bungoma having the lowest facility density (<1 per 10,000 persons), while Mombasa had the highest facility density (>3.5 per 10,000 population). The facility density by type was dispensaries with 0.93, private clinics 0.62, hospitals 0.15 and health centres 0.26 in that order per 10,000 populations. Public health facilities had the highest density of 0.99 or 1, Private not-for profit 0.33 and private for- profit 0.67 per 10,000 persons.

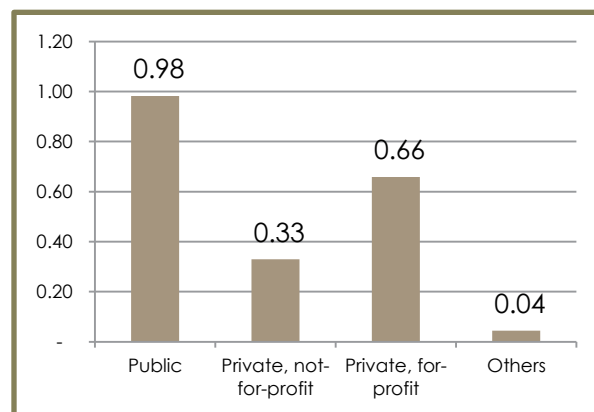
County Health Facility density, per 10,000 populations



**Facility density by type of facility**

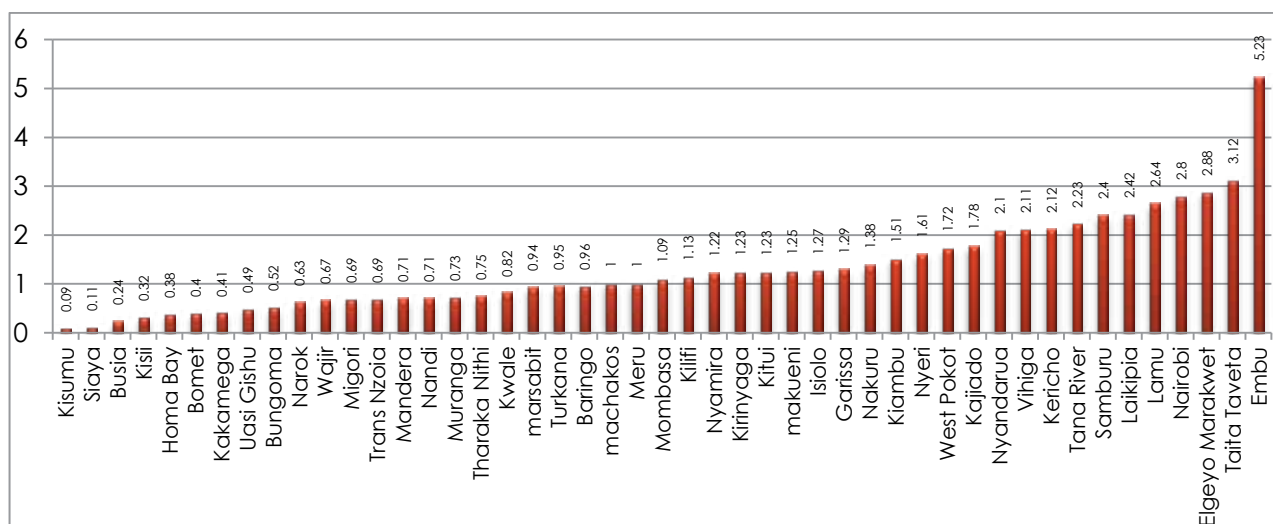


**Facility density, by ownership**



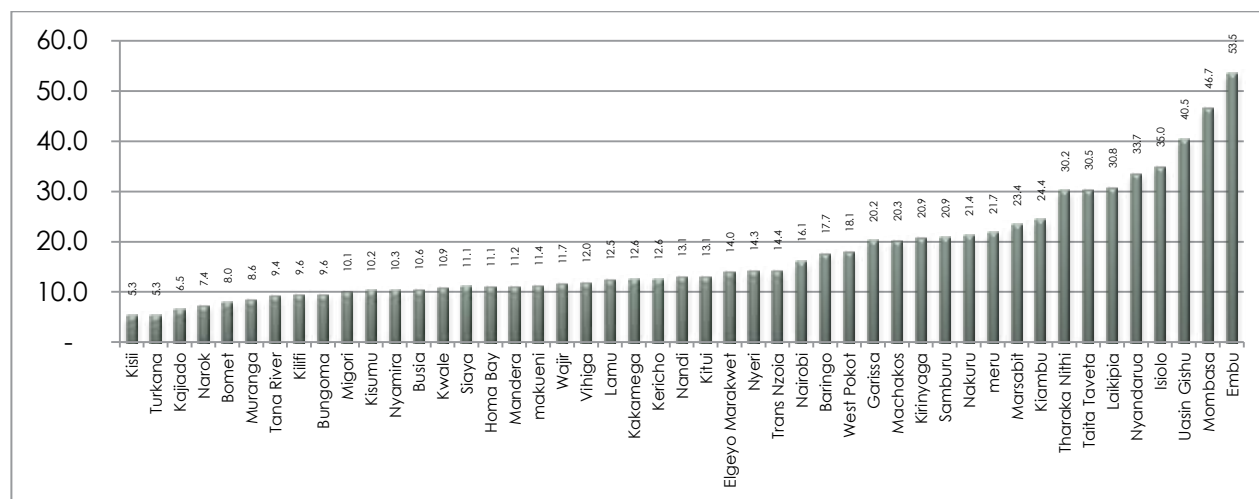
Equipment, transport and ICT infrastructure was also mapped by facility type and County. Distribution of ambulances, per 100,000 population is shown below.

**Ambulances per 100,000 population across Counties**



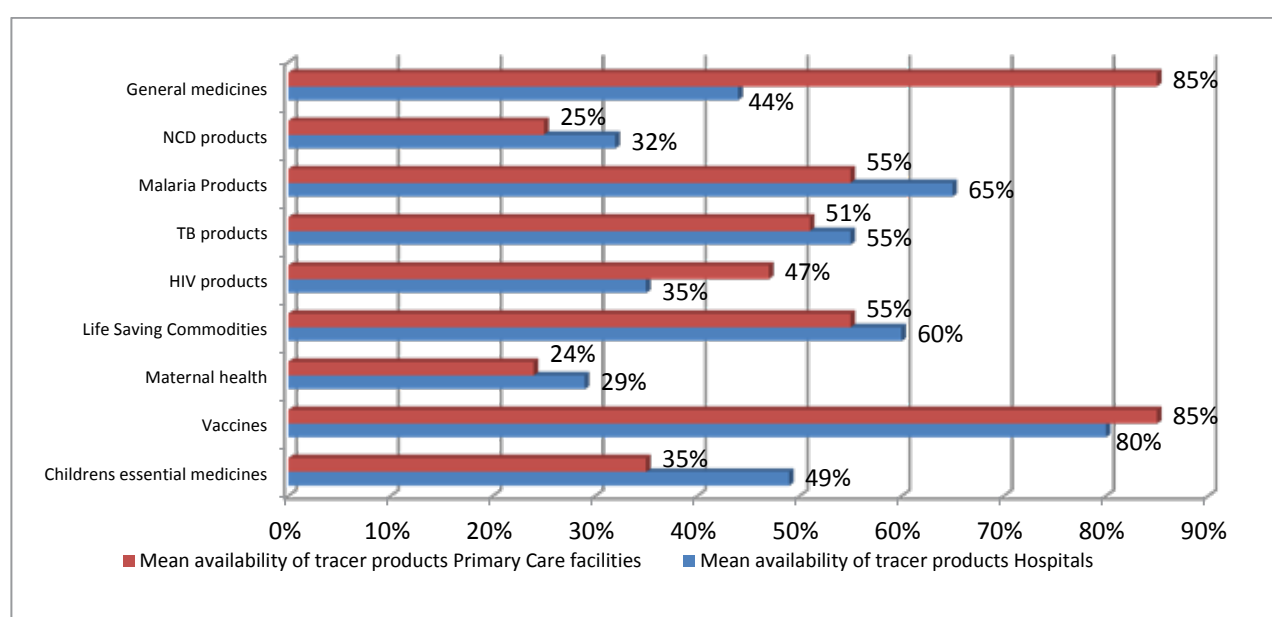
For the health workforce, the different staff cadres required to deliver the KEPH were also mapped, by cadre and County. Total staff, per 10,000 population varied across the counties, as shown in the figure below.

**Total staff per 10,000 population, by County**



Finally, looking at health products, the mapping looked at availability of tracer commodities for different priority outcome areas for the health sector, to assess their availability. At the primary care facility level, health products for general services, and vaccines are the most available (85% of facilities have these), while those for NCD, maternal health and children essential medicines are the least available (25%, 24% and 35% of facilities having these, respectively). The picture is slightly different at the hospital level, with the most available products being vaccines, malaria commodities, life saving commodities and TB products (80%, 65%, 60% and 55% of facilities having these), while the least available at this level were again maternal health products, NCD products (29% and 32% respectively). The largest difference between hospitals and primary care facilities are in general medicines which are more available at the primary care level.

**Mean availability of products for different program areas**



## Mapping readiness to provide services

Service Readiness refers to the capacity of the health facilities to provide health services. The readiness in this aspect showed the basic requirements to provide services such as infrastructure, amenities, basic equipment, standard precautions for infection control, diagnostic tests, medicines and commodities. Information on readiness is based on four domains of (1) standard precautions, (2) basic amenities, (3) basic equipment and (4) essential medicines.

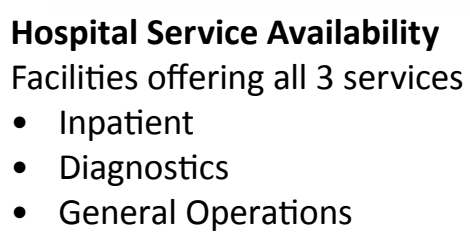
Generally, the service readiness index was 57% - implying 57% of all health facilities are ready to provide KEPH services. Based on the readiness variables, 47% have the basic amenities to provide services; 67% have the basic equipment required, 41% have essential medicines and 73% have the standard precautions. Hospitals had the highest service index of 72% followed by the nursing and maternity homes with 71% and health centres with 65%. On the other hand, the Private not-for-profit facilities have the highest general readiness index (65%) compared with the public (57%) and Private for-profit (54%). There was no significant difference between urban and rural health facilities.

Looking at specific services, facilities are most ready to provide Malaria, HIV/AIDS and TB services, and least ready to provide maternal health and NCD services.

## Conclusion

At the establishment of Counties, there is detailed information on provision of different services in the country's service package, plus various capacities and readiness to provide these services. This information is available in this census report by County, facility type and managing authority. The information is useful for strategic and operational planning, to guide targeted investments and improvements towards improving health of persons in Kenya.

## 01



## 1.0 INTRODUCTION

### 1.1 Geography and Population

Kenya is an East African country situated between 5 degrees North and 5 degrees South latitude and between 24 and 31 degrees East longitude. It borders Ethiopia in the north, Sudan in the northwest, Uganda in the west, the United Republic of Tanzania in the south, Somalia in the northeast and the Indian Ocean to the southeast. It has 400 kilometres of shoreline along the Indian Ocean, with the port city, Mombasa, facilitating trade with other countries. The Republic of Kenya covers an area 582,646 sq km. About 80% of its land is arid or semi-arid and sparsely populated. Kenya has a diverse physical environment, including savannah grasslands and woodlands, tropical rain forests and semi-desert environments. There are two distinct regions: lowlands and highlands. Thus, altitude plays an important role in Kenya's climatic patterns, as well as patterns of human settlement and agricultural activities. Economically, the Kenyan economy is predominantly agricultural (25% of Gross Domestic Product, (GDP) with a strong industrial base (13% of the total GDP).

Based on the 2009 census, the Kenya National Bureau of Statistics population for Kenya was 38,610,097 and now is projected to 41,193, 836 people. Between 1992 and 2004 the life expectancy dropped from 56.8 to 51 years but has been steadily rising to 58.9 years. The population ratio is 1:1.04 with an estimated economically productive population of 51.5% of the total population and 8.2 million households. The country is divided into 47 administrative counties and 290 sub-counties all of which are enshrined in the constitution of Kenya 2010 and the County Government Act 2012 on administrative and governance.

**Table 1: Trends in selected demographic indicators in Kenya, 1969 – 2009**

Indicator	1969	1979	1989	1999	2009
Population (Millions)	10.9	16.2	23.2	28.7	38.6*
Population density per square Kilometer	19	27	37	49	67.7 <sup>a</sup>
% of Population in Urban areas	9.9	15.1	18.1	19.4	21.0 <sup>a</sup>
Crude birth rate	50	54	48	41.3	34.8 <sup>b</sup>
Crude death rate	17	14	11	11.7	U
Inter-Censual growth rate	3.3	3.8	3.4	2.9	2.8 <sup>a</sup>
Total Fertility reate	7.6	7.8	6.7	5	4.6 <sup>b</sup>
Infant Mortality rate per 1000 live births	119	88	66	77.3	52.0 <sup>b</sup>
Life expectancy at birth	50	54	60	56.6	58.9 <sup>a</sup>

*a Revised projection figures, KDHS results (see later chapters)*

*\*Housing and population census 2009, u= unknown*

*Source: CBS, 1970; CBS, 1981; CBS, 1994; CBS, 2002a*

Source: KDHS 2008-09

**Table 2: Projected population distributions by County, 2013**

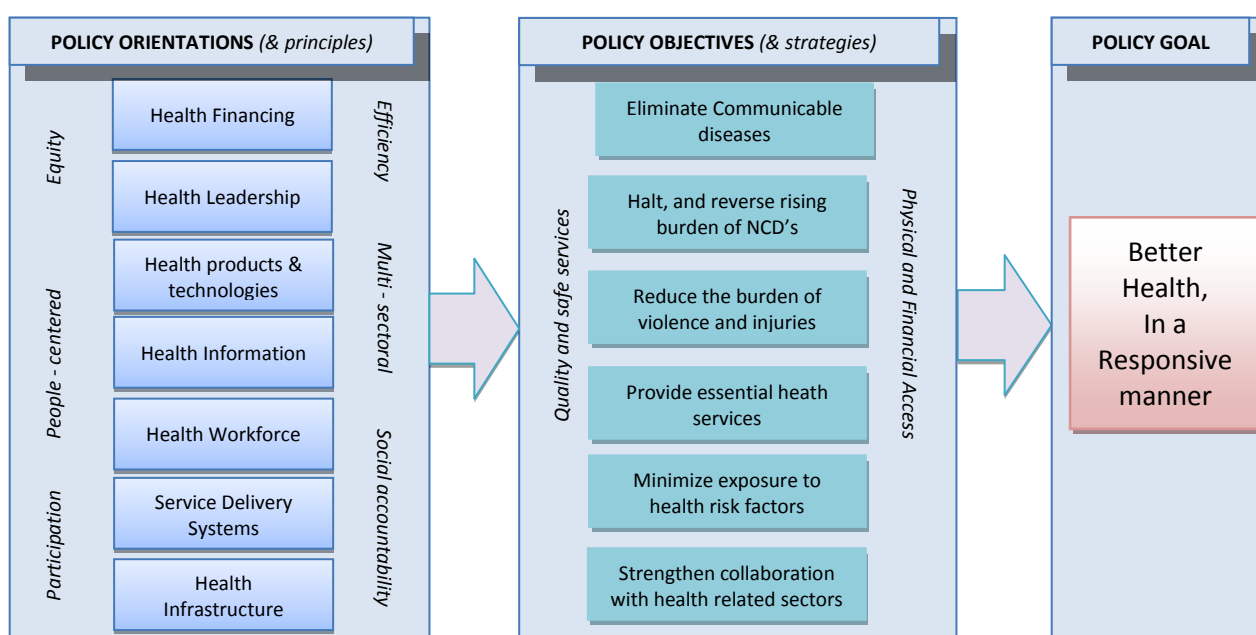
County	Total Population	Estimated Deliveries	Estimated EOC	Estimate live births	Estimated Pregnant Women	Households	Population <1years	Population <5years	Population <15years	Population 15-24years	Population 25-59years	Population female	Population male
Baringo	629,183	38,170	286	38,170	38,456	125,181	21,392	101,928	254,806	94,377	195,047	313,119	316,064
Bomet	820,154	40,248	302	40,248	40,550	201,697	27,885	132,865	410,554	123,023	254,248	412,757	407,398
Bungoma	1,847,063	83,115	623	83,115	83,738	305,526	66,494	323,236	621,899	277,059	572,590	946,037	901,026
Busia	552,754	23,938	180	23,938	24,118	164,878	19,899	96,732	335,610	82,913	171,354	289,925	262,829
Elgeyo-Marakwet	419,030	18,334	138	18,334	18,472	83,192	14,247	67,883	169,337	62,854	129,899	210,943	208,087
Embu	584,620	26,250	197	26,250	26,447	110,917	16,369	83,601	225,771	87,693	181,232	296,617	288,003
Garissa	705,627	26,939	202	26,939	27,141	123,774	13,407	100,199	251,941	105,844	218,744	326,302	379,325
Homa Bay	1,091,515	41,762	313	41,762	42,075	211,722	40,386	189,924	430,960	163,727	338,370	567,777	523,738
Isiolo	162,283	7,742	58	7,742	7,800	31,454	4,544	23,206	64,024	24,342	50,308	78,823	83,460
Kajiado	778,394	33,132	248	33,132	33,380	157,684	26,465	126,100	320,967	116,759	241,302	387,509	390,884
Kakamega	1,880,718	84,629	635	84,629	85,263	373,192	67,706	329,126	759,632	282,108	583,023	973,583	907,135
Kericho	858,833	40,730	305	40,730	41,035	170,197	29,200	139,131	346,435	128,825	266,238	426,234	432,599
Kiambu	1,838,397	58,750	441	58,750	59,191	330,203	45,960	224,284	672,128	275,760	569,903	929,427	908,970
Kilifi	1,256,796	49,063	368	49,063	49,431	248,884	43,988	203,601	506,603	188,519	389,607	650,302	606,493
Kirinyaga	598,031	19,677	148	19,677	19,825	113,974	14,951	72,960	231,994	89,705	185,390	302,863	295,168
Kisii	1,304,981	52,197	391	52,197	52,588	253,739	48,284	227,067	516,485	195,747	404,544	681,570	623,411
Kisumu	1,097,307	43,892	329	43,892	44,221	211,947	40,600	190,931	431,417	164,596	340,165	559,633	537,675
Kitui	1,146,912	52,609	395	52,609	53,003	227,217	32,114	164,008	462,501	172,037	355,543	601,851	545,061
Kwale	736,059	29,549	222	29,549	29,770	145,776	25,762	119,242	296,727	110,409	228,178	378,186	357,872
Laikipia	452,132	20,634	155	20,634	20,789	90,977	15,372	73,245	185,184	67,820	140,161	227,185	224,947
Lamu	114,995	4,993	37	4,993	5,030	22,769	4,025	18,629	46,346	17,249	35,648	54,920	60,074
Machakos	1,244,167	58,177	436	58,177	58,614	240,111	34,837	177,916	488,746	186,625	385,692	629,052	615,115
Makueni	1,001,743	45,906	344	45,906	46,251	192,231	28,049	143,249	391,286	150,261	310,540	513,956	487,787
Mandera	1,161,688	55,602	417	55,602	56,019	84,809	22,072	164,960	172,628	174,253	360,123	527,542	634,146
Marsabit	329,751	13,321	100	13,321	13,421	63,941	9,233	47,154	130,152	49,463	102,223	158,614	171,137
Meru	1,536,036	69,257	519	69,257	69,777	292,109	43,009	219,653	594,588	230,405	476,171	776,506	759,530
Migori	1,038,712	41,547	312	41,547	41,859	202,423	38,432	180,736	412,031	155,807	322,001	535,471	503,241
Mombasa	1,063,854	46,866	351	46,866	47,217	201,178	37,235	172,344	409,499	159,578	329,795	512,403	551,450
Muranga	1,067,490	36,585	274	36,585	36,859	191,365	26,687	130,234	389,523	160,124	330,922	548,951	518,539
Nairobi	3,554,261	170,861	1,281	170,861	172,143	721,672	106,628	451,391	1,468,964	533,139	1,101,821	1,736,308	1,817,953
Nakuru	1,815,795	75,971	570	75,971	76,541	362,580	61,737	294,159	738,032	272,369	562,897	904,591	911,204
Nandi	852,747	38,479	289	38,479	38,768	169,959	28,993	138,145	345,951	127,912	264,352	426,367	426,380
Narok	963,683	44,199	331	44,199	44,531	190,011	32,765	156,117	386,768	144,552	298,742	477,803	485,880
Nyamira	677,532	27,100	203	27,100	27,303	140,119	25,069	117,890	285,213	101,630	210,035	352,444	325,087
Nyandarua	675,285	23,040	173	23,040	23,213	66,597	16,882	82,385	135,559	101,293	209,338	344,414	330,871
Nyeri	785,467	26,920	202	26,920	27,122	149,339	19,637	95,827	303,979	117,820	243,495	400,722	384,745
Samburu	253,624	10,240	77	10,240	10,316	50,096	8,623	41,087	101,970	38,044	78,623	126,774	126,850
Siaya	953,925	38,156	286	38,156	38,442	185,880	35,295	165,983	378,360	143,089	295,717	502,444	451,481
TaitaTaveta	322,379	12,723	95	12,723	12,819	51,268	11,283	52,225	104,356	48,357	99,938	157,786	164,593
Tana River	271,889	11,179	84	11,179	11,263	53,833	9,516	44,046	109,577	40,783	84,286	136,154	135,736
TharakaNithi	413,743	18,810	141	18,810	18,951	80,288	11,585	59,165	163,427	62,061	128,260	211,644	202,099
Trans-Nzoia	927,258	45,158	339	45,158	45,497	173,719	31,527	150,216	353,604	139,089	287,450	466,128	461,130
Turkana	968,755	42,612	320	42,612	42,932	182,354	32,938	156,938	371,182	145,313	300,314	464,706	504,049
UasinGishu	1,012,674	43,978	330	43,978	44,308	203,730	34,431	164,053	414,693	151,901	313,929	504,180	508,494
Vihiga	628,120	28,264	212	28,264	28,476	123,179	22,612	109,921	250,732	94,218	194,717	330,589	297,531
Wajir	749,660	31,965	240	31,965	32,205	150,187	14,244	106,452	305,705	112,449	232,395	337,689	411,972
West Pokot	580,631	26,529	199	26,529	26,728	116,547	19,741	94,062	237,231	87,095	179,996	292,035	288,596
Kenya	43,726,652	1,879,796	14,098	1,879,796	1,893,895	8,344,425	1,382,112	6,724,207	16,985,077	6,558,998	13,555,262	21,990,837	21,735,815

## Overview of the Health Sector, and System

The Health Sector has elaborated its Kenya Health Policy (KHP) to guide attainment of the long term Health goals sought by the Country, outlined in the Vision 2030 and the 2010 constitution. The policy framework has, as an overarching goal, **‘attaining the highest possible health standards in a manner responsive to the population needs’**. The policy will aim to achieve this goal through supporting provision of *equitable, affordable and quality health and related services at the highest attainable standards to all Kenyans*. The **target** of the policy is to attain a level and distribution of health at a level commensurate with that of a middle income country, through attainment of the following targets.

Policy Directions to guide the attainment of the Health goal and strategic directions are defined in terms of six policy objectives (relating to Health and Related services), and seven policy orientations (relating to investments needed). These are interlinked as shown in the figure below.

**Figure 1: Framework for Policy directions**



The Health Services objective for the Kenya Health Policy is to **attain universal coverage with critical services that positively contribute to the realization of the overall policy goal**. Six policy objectives, therefore, are defined, which address the current situation – each with specific strategies for focus to enable attaining of the policy objective.

- 1. Eliminate communicable conditions:** This it aims to achieve by forcing down the burden of communicable diseases, till they are not of major public health concern.
- 2. Halt, and reverse the rising burden of non communicable conditions.** This it aims to achieve by ensuring clear strategies for implementation to address all the identified non communicable conditions in the country.
- 3. Reduce the burden of violence and injuries.** This it aims to achieve by directly putting in place strategies that address each of the causes of injuries and violence at the time.
- 4. Provide essential health care.** These shall be medical services that are affordable, equitable, accessible and responsive to client needs.
- 5. Minimize exposure to health risk factors.** This it aims to achieve by strengthening the health promoting interventions, which address risk factors to health, plus facilitating use of products and services that lead to healthy behaviors in the population.

- 6. Strengthen collaboration with health related sectors.** This it aims to achieve by adopting a ‘Health in all Policies’ approach, which ensures the Health Sector interacts with and influences design implementation and monitoring processes in all health related sector actions.

To attain the defined impact targets, the KHSSP prioritizes attainment of the Health Outcomes that target specific strategies for different conditions. These will be eradication (completely remove the condition from the Country), elimination (reduce the burden till it is not of a public health concern), control / containment (halt, and/or reverse the rising burden of the condition)

**Figure 2: Focus of different Health Outcomes in KHSSP**

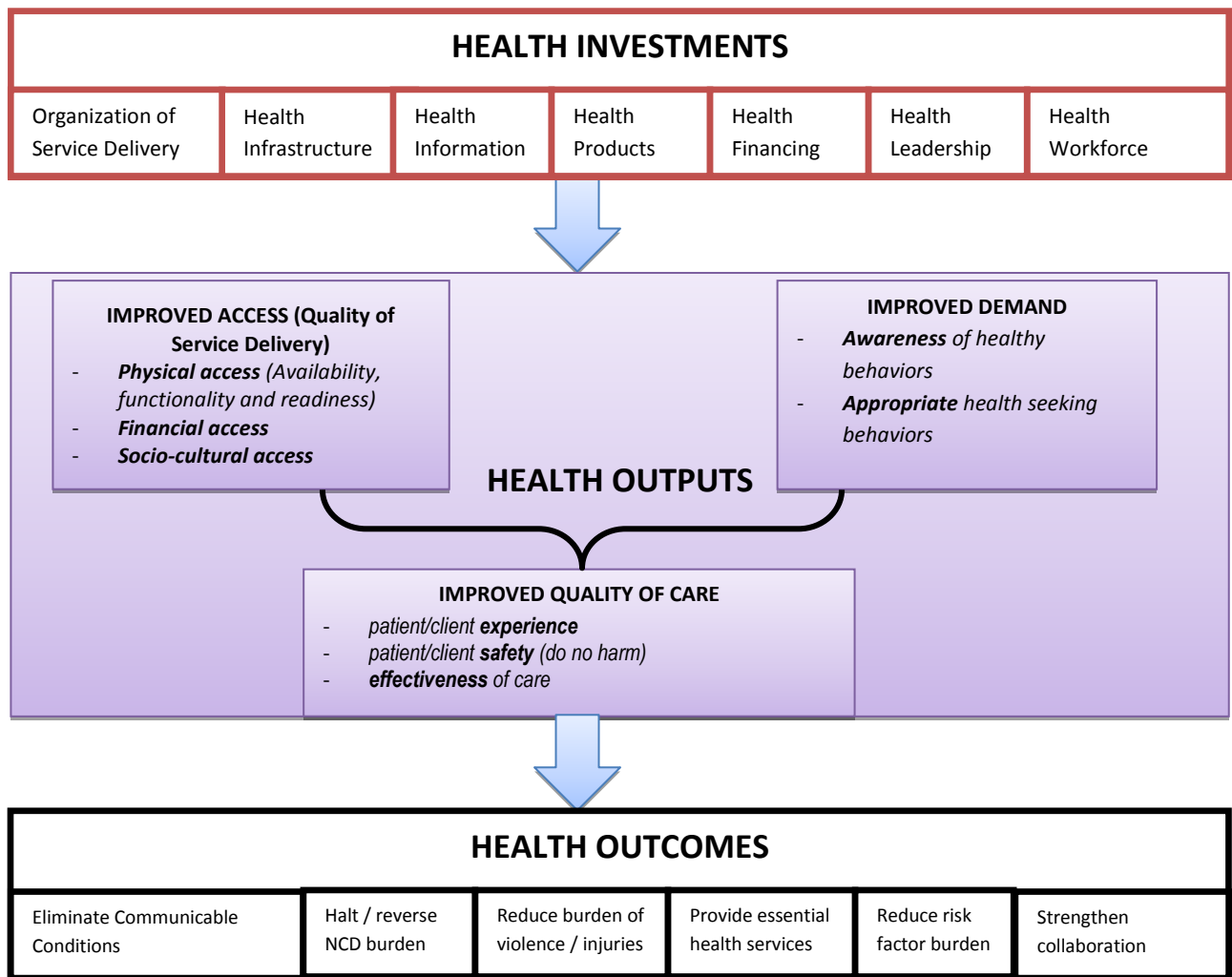
<b>CONDITIONS TARGETED FOR ERADICATION</b> <ol style="list-style-type: none"> <li>1. Polio</li> <li>2. Guinea Worm Infestation</li> <li>3. Maternal and Neonatal Tetanus</li> <li>4. Leprosy</li> <li>5. New / re-emerging infections</li> </ol>	<b>CONDITIONS TARGETER FOR ELIMINATION</b> <ol style="list-style-type: none"> <li>1. Malaria</li> <li>2. Mother to Child HIV transmission,</li> <li>3. Measles,</li> <li>4. Neglected Tropical Conditions</li> </ol>
<b>CONDITIONS TARGETED FOR CONTROL</b> <ol style="list-style-type: none"> <li>1. HIV / AIDS</li> <li>2. Conditions in the perinatal period</li> <li>3. Lower Respiratory infections,</li> <li>4. Tuberculosis</li> <li>5. Diarrhoeal diseases in children,</li> <li>6. Cerebrovascular diseases,</li> <li>7. Ischaemic Health disease,</li> <li>8. Road traffic accidents,</li> <li>9. Violence including Gender Based Violence</li> <li>10. Unipolar depressive disorders</li> </ol>	<b>RISK FACTORS TARGETED FOR CONTAINMENT</b> <ol style="list-style-type: none"> <li>1. Unsafe Sex</li> <li>2. Unsafe water, sanitation &amp; hygiene</li> <li>3. Suboptimal breastfeeding</li> <li>4. Childhood and maternal underweight,</li> <li>5. Indoor air pollution,</li> <li>6. Alcohol use,</li> <li>7. Vitamin A deficiency,</li> <li>8. High blood glucose,</li> <li>9. High blood pressure,</li> <li>10. Zinc deficiency,</li> <li>11. Iron deficiency,</li> <li>12. Lack of contraception</li> </ol>

These Service Delivery outcomes will be attained through focusing on three output areas:

- Improving access to health services (physical, financial and socio-cultural)
- Improving demand for health services
- Improving quality of care

These three outputs relate to each other, and to health outcomes as shown in the figure below.

**Figure 3: Linkage between health outputs, investments and outcomes**



The Health Outputs therefore are a measure of how well the investments are being applied, to enable attainment of the desired health outcomes.

The health outcomes are comprehensively defined in the Kenya Essential Package for Health (KEPH), which defines health services and interventions to be provided for each Policy Objective, by level of care and cohort (where applicable).

The tiers in the KEPH are the levels of care as defined in the Kenya Health Policy.

1. **Community level:** The foundation of the service delivery system, with both demand creation (health promotion services), and specified supply services that are most effectively delivered at the community. In the essential package, all non facility based health and related services are classified as community services – not only the interventions provided through the Community Health Strategy as defined in NHSSP II.
2. **Primary care level:** The first physical level of the health system, comprising all dispensaries, health centres, maternity / nursing homes in the country. This is the 1<sup>st</sup> level care level, where most clients health needs should be addressed
3. **County level:** The first level hospitals, whose services complement the primary care level to allow for a more comprehensive package of close to client services
4. **National level:** The tertiary level hospitals, whose services are highly specialized and complete the set of care available to persons in Kenya.

The KEPH interventions by cohorts are defined only for those specific to a given cohort, not for all KEPH interventions. The cross cutting interventions are not aligned to any cohort. Specific KEPH cohorts are:

1. **Pregnancy and the newborn (up to 28 days):** The health services specific to this age-cohort across all the Policy Objectives
2. **Childhood (29 days – 59 months):** The health services specific to the early childhood period
3. **Children and Youth (5 – 19 years):** The time of life between childhood, and maturity.
4. **Adulthood (20 – 59 years):** The economically productive period of life
5. **Elderly (60 years and above):** The post – economically productive period of life

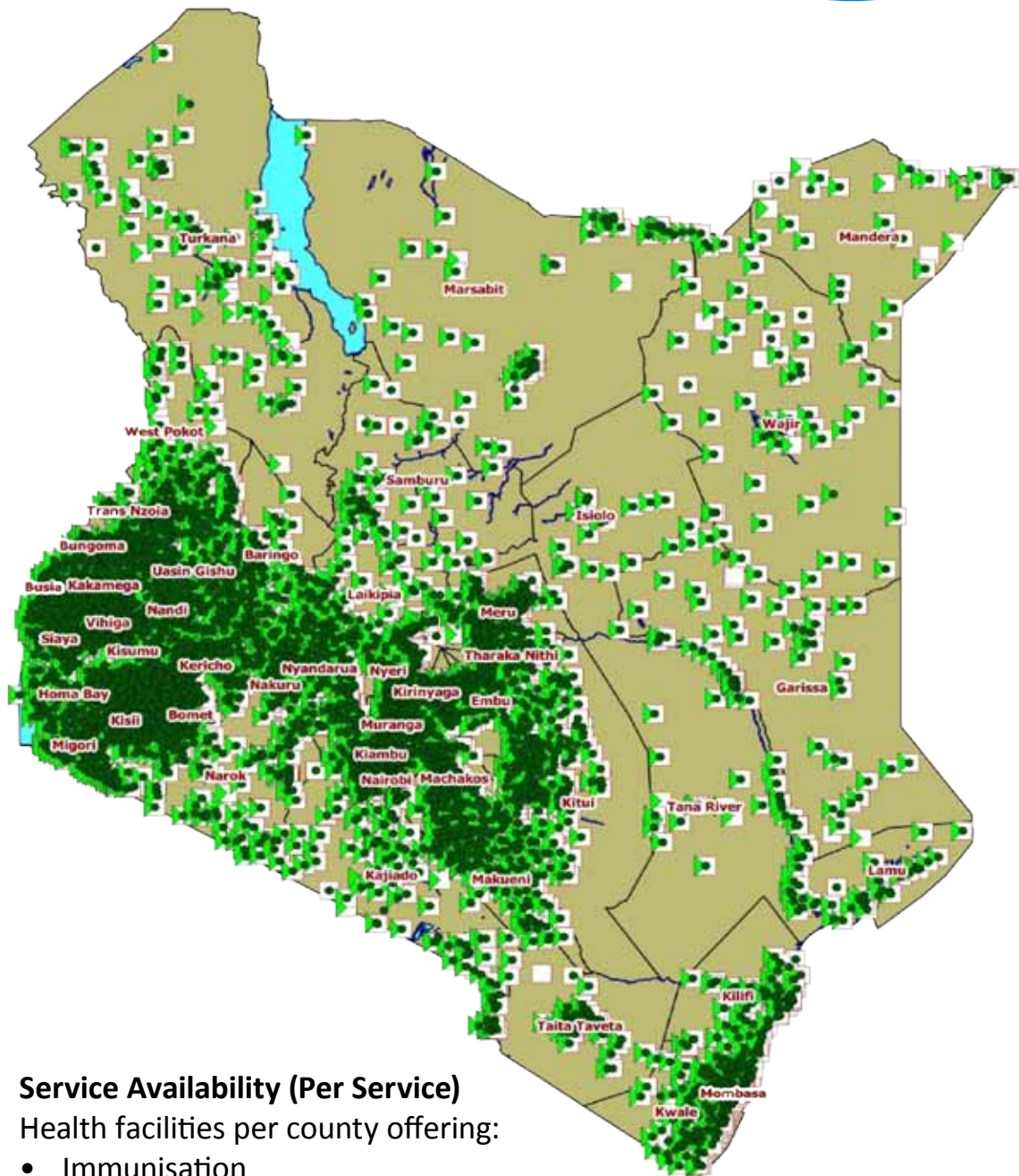
The KEPH services are summarized in the table below.

**Table 3: Summary of KEPH for the Strategic Plan 2013 – 2017**

Policy Objective	Services	Policy Objective	Services
<b>Eliminate Communicable Conditions</b>	Immunization	<b>Provide essential health services</b>	General Outpatient
	Child Health		Integrated MCH / Family Planning services
	Screening for communicable conditions		Accident and Emergency
	Antenatal Care		Emergency life support
	Prevention of Mother to Child HIV Transmission		Maternity
	Integrated Vector Management		Newborn services
	Good hygiene practices		Reproductive health
	HIV and STI prevention		In Patient
	Port health		Clinical Laboratory
	Control and prevention neglected tropical diseases		Specialized laboratory
<b>Halt, and reverse the rising burden of non communicable conditions</b>	Health Promotion & Education for NCD's		Imaging
	Institutional Screening for NCD's		Pharmaceutical
	Rehabilitation		Blood safety
	Workplace Health & Safety		Rehabilitation
	Food quality & Safety		Palliative care
<b>Reduce the burden of violence and injuries</b>	Health Promotion and education on violence / injuries		Specialized clinics
	Pre hospital Care		Comprehensive youth friendly services
	OPD/Accident and Emergency		Operative surgical services
	Management for injuries		Specialized Therapies
	Rehabilitation	<b>Strengthen collaboration with health related sectors</b>	Safe water
<b>Minimize exposure to health risk factors</b>	Health Promotion including health Education		Sanitation and hygiene
	Sexual education		Nutrition services
	Substance abuse		Pollution control
	Micronutrient deficiency control		Housing
	Physical activity		School health
			Water and Sanitation Hygiene
			Food fortification
			Population management
			Road infrastructure and Transport

## OVERVIEW OF THE SERVICE AVAILABILITY AND READINESS MAPPING

# 02



## 2 OVERVIEW OF THE SERVICE AVAILABILITY AND READINESS MAPPING

### 2.1 Why a SARAM

There is a clear rationale for the health sector to carry out a Service Availability and Readiness Mapping exercise at this point in time.

1. Health service delivery in Kenya has rapidly been expanding in scope and complexity over the last two decades. Several new interventions have been introduced in the Sector during this period, in addition to the existing interventions. The Kenya Health Strategic and Investment Plan 2013 – 18 brings together the full range of expected interventions to be provided, by level of care, into the Kenya Essential Package for Health. However, at present, it is not clear how much of the KEPH package is being provided at the different levels of care.
2. The KHSP calls for up to date information on health investments across the 7 sector policy orientations (Service Delivery organization; Health Workforce; Health Information; Health Products; Health Financing; Health Infrastructure; and Health Leadership). This information would guide the sector on gaps that exist, and so investment priorities needed to attain the Service Outcomes of the KHSP. At present, most of the information on the respective investments is outdated, or partial (missing key constituents, such as Faith based / private sectors)
3. As Counties prepare to take up their functions as per the 2010 Constitution, an understanding of their readiness to take up their functions is needed, so as to appropriately targets capacity building support required to make them functional
4. As part of the hand over of County assets, the Health Sector is expected to have a comprehensive inventory of its assets and liabilities that need to be handed over. At present, the sector doesn't have a comprehensive set of information to inform it on what needs to be handed over, and their state of functionality.
5. A Master Facility List has been generated, which brings together all known facilities in the Country into one online, with their location and ownership. However, because this process has been carried out with different teams and standards, most facility geocode information is wrongly inputted, leading to facilities being located in obviously inaccurate locations. In addition, the private sector facility information is still not complete – many private sector facilities are not yet included in the Master Facility List

In the recent past, the sector has carried out or is planning to carry out a number of surveys to address different expectations. A Service Availability Mapping (SAM, 2004) was carried out, to map Human Resources and Infrastructure, plus a selected set of services being provided across the Country. This was carried out over 8 years ago, making its information inaccurate at present. More recently, a Kenya Service Provision Assessment (KSPA, 2010) was carried out, capturing service provision for priority conditions, particularly relating to Reproductive and Child Health, and quality of the related care. Also, the sector is planning to carry out a Public Expenditure Tracking and Service Delivery Survey (PETS, 2012/13) that will track resource flows, and resultant services purchased with these resources. Finally, a Human Resources Mapping (HRM, 2012/13) is being carried out to comprehensively characterise the Health Workforce in the Country, and so guide future Human Resource for Health (HRH) planning.

**Table 4: Relation between SARAM and other mapping exercises**

	<b>SAM</b>	<b>KSPA</b>	<b>PETS</b>	<b>HR Mapping</b>	<b>SARAM</b>
<b>Time</b>	2004	2010	Planned 2012/13	Planned 2012/13	2012
<b>Service provision</b>	Selected services	Priority services	Selected services	NA	All services
<b>Quality assessment</b>	None	Quality of Care	None	None	Quality of Service Delivery Readiness to provide services
<b>Scope</b>	Sample, in all districts	Sample	Sample	National	National
<b>Inputs focus</b>	HR, infrastructure	Selected Inputs	None	Human Resources	All inputs (HR, infrastructure, commodities)
<b>Output</b>	National, district	National, Province	National	National, County, facility	National, County, facility
<b>Updating info</b>	None	None (next KSPA)	None (next PETS)	HRIS records	MFL, DHIS regular records

Each of these assessments were designed for a specific purpose, and miss critical information that the sector needs for it to comprehensively understand its capacity for service provision. To address these gaps, the Service Availability and Readiness Assessment (SARAM) is proposed. The SARAM relates to other mapping exercises by:

- Assessing provision for ALL Health Services and interventions as outlined in the KEPH, not just priority services. No other mapping exercise provides this scope
- Provides information on Quality of Service Delivery (a result of available inputs for service provision) and readiness to provide services. The KSPA on the other hand was able to provide information on quality of care (a result of skills mix needed for service provision)
- Is national in scope. Apart from the HR mapping, all the other mapping exercises are samples
- Assessing availability of all inputs needed to provide service delivery. No other mapping exercise does this.
- The outputs from the process are useful to both National, and County Governments. Only the Human Resource (HR) mapping is able to do the same
- Information from the SARAM will be updated through existing processes, particularly the DHIS. Other mapping exercises don't have in built mechanisms to assure continued updating of the information

## 2.2 Elements of the SARAM

The World Health Organization indicates that Service Availability and Readiness Assessment (SARA) as a health facility assessment tool designed to assess and monitor the service availability and readiness of the health sector and to generate evidence to support the planning and managing of a health system. SARA is designed as a systematic survey to generate a set of tracer indicators of service availability and readiness. The survey objective is to generate reliable and regular information on service delivery (such as the availability of key human and infrastructure resources), on the availability of basic equipment, basic amenities, essential medicines, and diagnostic capacities, and on the readiness of health facilities to provide basic health-care interventions relating to family planning, child health services, basic and comprehensive emergency obstetric care, HIV, TB, malaria, and non-communicable

With the increased demand for accountability and the need to demonstrate results at country and county levels, information is needed to track how health systems would respond to increased inputs and improved

processes over time and the impact such inputs and processes have on improved health outcomes and better health status. The provision of the defined Health and related services is a function of:

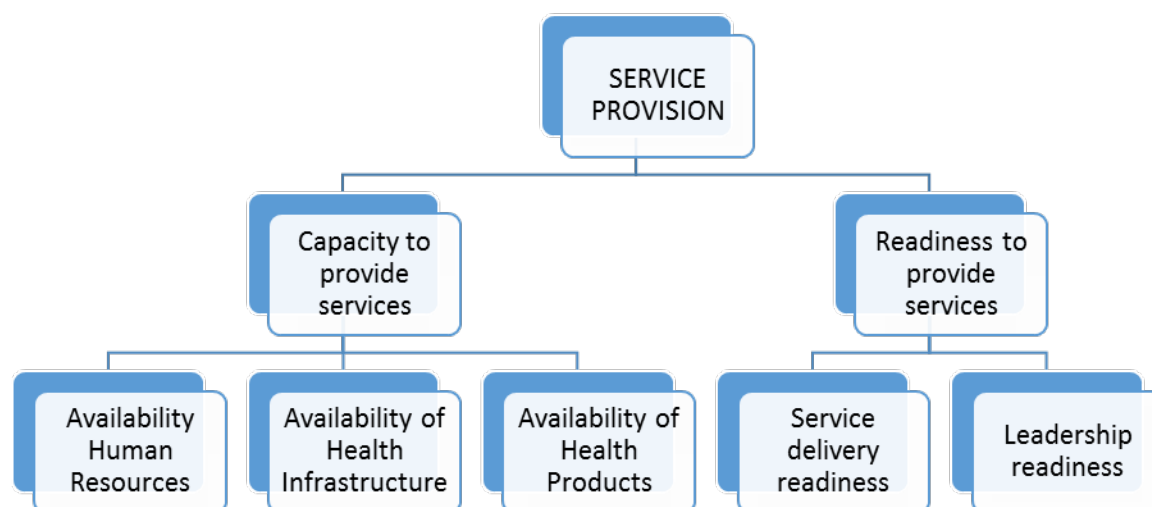
- i. Availability of the inputs needed to provide the service
- ii. Health Worker Knowledge on the methods of provision of the service, and
- iii. The ability to appropriately mix the required inputs to deliver the service

The SARAM focuses on providing comprehensive information on Health Access, as defined in the Kenya Policy documents. It provides a mapping of:

- Status of KEPH provision across the Country (health outcomes),
- Capacity to provide services, looking at
  - Availability of critical inputs needed for provision of services
  - Functionality of critical inputs needed for provision of services
- Readiness of critical inputs needed for provision of services

It therefore will be able to provide information to decision makers and managers on the existing capacity for Service Provision. Availability of inputs is assessed through a mapping of existing Human Resources (numbers, and basic skills), Infrastructure (including physical infrastructure, equipment, transport, and ICT), and Health Products. Health worker knowledge and ability to mix inputs is assessed through mapping of service readiness (leadership, and organizational capacity).

**Figure 4: SARAM Conceptual Framework**



The SARAM assesses these variables, to allow the sector characterize its capacity to provide planned services, and its readiness to provide the same. The SARAM is an adaptation of the Service Availability and Readiness Assessment<sup>2</sup> process (SARA), by bringing in elements peculiar to Kenya. These include:

- Need for a comprehensive mapping of current provision of the KEPH interventions
- Comprehensive mapping of Health Infrastructure to inform the handover of Health assets
- Adaptation of information on health Commodities, to align it to Health Products used in Kenya,
- Specific service readiness is not assessed
- Inclusion of Leadership readiness as a key variable.

<sup>2</sup> For details, see [http://www.who.int/healthinfo/systems/sara\\_introduction/en/index.html](http://www.who.int/healthinfo/systems/sara_introduction/en/index.html)

## 2.3 Aim and Objectives of the SARAM

The overall aim of the SARAM was to provide an understanding of the capacity for Service provision that existed in Kenya. The information generated will be used for both National and County Governments in their planning for service provision. Specifically, the SARAM aims to:

- a. Collect geocodes for facilities and verifies Health Facility geocodes for all facilities in the MFL, using a standard approach
- b. Collects information for the Missing facilities in MFL and provides information for updating health systems.
- c. Collect comprehensive sector information on provision of KEPH interventions across the Country
- d. Map available inputs for Health Service delivery that exist across the Country. (These include information on the Health Workforce, Health Infrastructure (physical infrastructure, equipment, transport, ICT), and Health Products)
- e. Collate information on readiness of health facilities to provide the defined health services (This includes availability of knowledge, supplies, and capacities needed to ensure available inputs are being used to produce required outputs)

The survey generated a set of information for tracer indicators of Service Availability and Readiness that can be used to by both the National, and by County governments to:

- Detect change and measure progress in strengthening health system overtime.
- Plan and monitor scale up of service interventions for key services to achieve the MDGs and better respond to the increased burden of chronic diseases
- Provide an up to date information on assets for hand over, and to inform the Investment Planning in the KHSSP III, Annual Work Plans and County strategic plans
- Provide an Up to date and comprehensive geocode information on all existing health facilities
- Provide Information on facility readiness, and so priority processes needed to improve provision of services. Support both national and county planners in planning and managing health systems by assessing equitable and appropriate distribution of services and resources.
- Provides objective information on Tracer indicators about whether or not a facility meets the required conditions to support provision of basic or specific services with a consistent level of quality and quantity.

## 2.4 Methodology of the SARAM

The Kenyan SARAM was carried out during the period April – May 2013. It was a National Census, involving all Health Facilities in the Country, plus management units. Facilities include:

- Public health facilities referred herein to facilities owned by and managed by the Ministry of Health, Municipal Authorities and government institutions.
- Private not for profit Facilities – those owned and managed by Faith Based Health services (FBHS), NGOs, CSO's and other non-profit/Public Benefit Organizations.
- Private-for-profit facilities which include facilities manned by private individuals, organisations or groups, as profit making enterprises.

The Country was zoned into 10 areas for ease of data collection. An independent firm was contracted to coordinate data collection in each of the 10 zones of the Country. These 10 zones, and their respective data collection firms, are shown in the tablebelow;

**Table 5: Coordinating firms, for each zone**

Country Zone	Coordinating firm
Nairobi	University of Nairobi(UON)
Eastern North	HEFDC
Central	University of Nairobi(UON)
North Eastern	Mastard Masters
Eastern South	HEFDC
Coast	Ideal Project Design
Upper Rift	Ideal Project Design
Lower Rift	Solarmart
Nyanza	Great Lakes University
Western	Great Lakes University

A standard questionnaire was developed, and provided to each firm for use in data collection. Information collected was on three core areas:

1. Basic facility information: Location, ownership, geocodes
2. Service Availability: Service Interventions provided by the facility, and available Human Resources for Health (HRH), Infrastructure (physical, equipment and Communication) and Health Products to facilitate provision of the interventions
3. Service Readiness: Health Service Delivery organization, and leadership capacity needed to provide the services

The data collection process was automated through use of hand held devices/computers to enter the data from the field. A DHIS module was opened to facilitate this.

A Quality Assurance team was constituted from national and County levels, involving both Government and partner representatives. This team provided oversight to the independent firm during the data collection process, to ensure information was being collected as planned.

Data verification was carried out real-time during the field work as information was entered into the DHIS module by a national level dedicated team, and corrections required communicated to the field teams during data collection. At the end of the fieldwork, all firms spent 1 week with the National level, reviewing their consolidated information to address inaccuracies in the data. Prior to completion of the field work, the County Health teams formally endorsed the final field work from the firms, to assure ownership and review by the Counties. Once the data verification was completed, a core team continued with the analysis of the data, whose outputs are presented in the coming chapter.

The key challenges in the process include the following:

- Some of the firms were not adhering to the agreed methodology, causing delays in verification of the data.
- A few facilities were not willing to participate in the SARAM, as communication to them had not been comprehensively given. During analysis an account for facilities not reached due to the various reasons such as insecurity, declined to participate and to represent the actual distribution of facilities in the country and counties.
- Additionally, some private facilities were not willing to share some critical information, particularly as relates to Health Workforce.

In spite of the above challenges, the comprehensive data verification process set up allowed for most of these challenges to be addressed during the field work. As a result, the results represent an accurate reflection of the status of different SARAM elements.

## 2.5 Description of the SARAM database

During the SARAM exercise, a total of 8,401 Health facilities were visited out of which 7,396 had the completed questionnaires filled, 599 had the questionnaires partially completed while the rest had respondents not available, refused to participate and closed, pending opening or questionnaire blank. These were 64, 22, and 320 respectively. The response rate was 88% of completely filled questionnaires, less than 1% refused to participate while 7% of them were partially completed. The rest respondents were not available or questionnaire not completed major key sections.

Hospitals constituted 7.3% of the total Health facilities visited, Health Centres 12.8%, Dispensaries 45.8%, private Medical clinics, standalone VCTs, Diagnostic units (laboratory, X-rays), dental units constituted 30.5% while Maternity and Nursing Homes 3.6%. Rural health facilities constituted 66.3% of the total health facilities surveyed while 33.7% were from urban. 48.8% of the total health facilities are owned and manned by government of Kenya (Public), 16.4% are owned and manned by NGO/ Faith based Health services (Private-not-for-profit), 32.7% are owned and Manned by private enterprises (Private- for-profit) and 2% are others owned and manned by Community or unspecified organizations and groups.

**Table 6: Facilities with information in the SARAM exercise, by County**

County	Total number of facilities interviewed	Facilities not interviewed				Total number of facilities visited
		No respondent	Refused	Partially completed	Others	
Baringo	162	2	0	7	17	188
Bomet	110	0	0	1	2	113
Bungoma	132	1	0	9	7	149
Busia	77	0	0	3	3	83
Elgeyo-Marakwet	93	2	0	23	5	123
Embu	144	0	0	5	1	150
Garissa	123	0	0	6	4	133
Homa Bay	166	0	1	14	1	182
Isiolo	37	1	0	4	0	42
Kajiado	202	1	0	22	1	226
Kakamega	206	0	0	23	3	232
Kericho	171	0	0	3	0	174
Kiambu	323	4	2	23	0	352
Kilifi	194	3	0	5	29	231
Kirinyaga	132	0	0	10	0	142
Kisii	120	0	1	20	0	141
Kisumu	128	0	0	26	1	155
Kitui	286	4	0	27	5	322
Kwale	90	0	0	5	0	95
Laikipia	85	3	2	1	2	93
Lamu	42	1	0	0	0	43
Machakos	239	7	1	16	36	299
Makueni	168	4	3	16	2	193
Mandera	61	1	0	3	4	69
Marsabit	81	0	0	8	4	93
Meru	334	4	0	27	40	405
Migori	157	2	1	12	2	174
Mombasa	286	10	3	7	67	373
Muranga	174	0	0	10	0	184
Nairobi	798	2	5	70	1	876
Nakuru	302	1	0	15	10	328
Nandi	169	0	0	6	15	190
Narok	124	0	1	5	5	135
Nyamira	107	0	0	7	0	114
Nyandarua	109	0	0	7	0	116
Nyeri	223	4	1	22	2	252
Samburu	39	2	0	32	4	77
Siaya	144	0	0	11	3	158
Taita Taveta	76	0	0	5	0	81
Tana River	41	0	0	8	0	49
Tharaka Nithi	112	1	0	4	0	117
Trans-Nzoia	121	0	0	16	4	141
Turkana	115	0	0	21	6	142
Uasin Gishu	122	2	1	24	21	170
Vihiga	81	0	0	6	0	87
Wajir	109	0	0	1	3	113
West Pokot	81	2	0	3	10	96
Facility type						
Hospital	545	2	3	62	2	614
Health centre	1007	0	2	58	5	1072
Dispensary	3414	30	7	262	136	3849
Medical clinic/Stand-alone VCT	2157	32	10	189	173	2561
Maternity/Nursing home	273	0	0	28	4	305
Managing authority						
Public	3707	24	4	271	92	4098
Private, not-for-profit	1231	6	6	96	36	1375
Private, for-profit	2318	31	10	220	167	2746
Others	140	3	2	12	25	182
Urban/Rural						
Urban	2450	25	17	214	128	2834
Rural	4946	39	5	385	192	5567
Kenya	7396	64	22	599	320	8401

## AVAILABILITY OF KEPH SERVICES

03



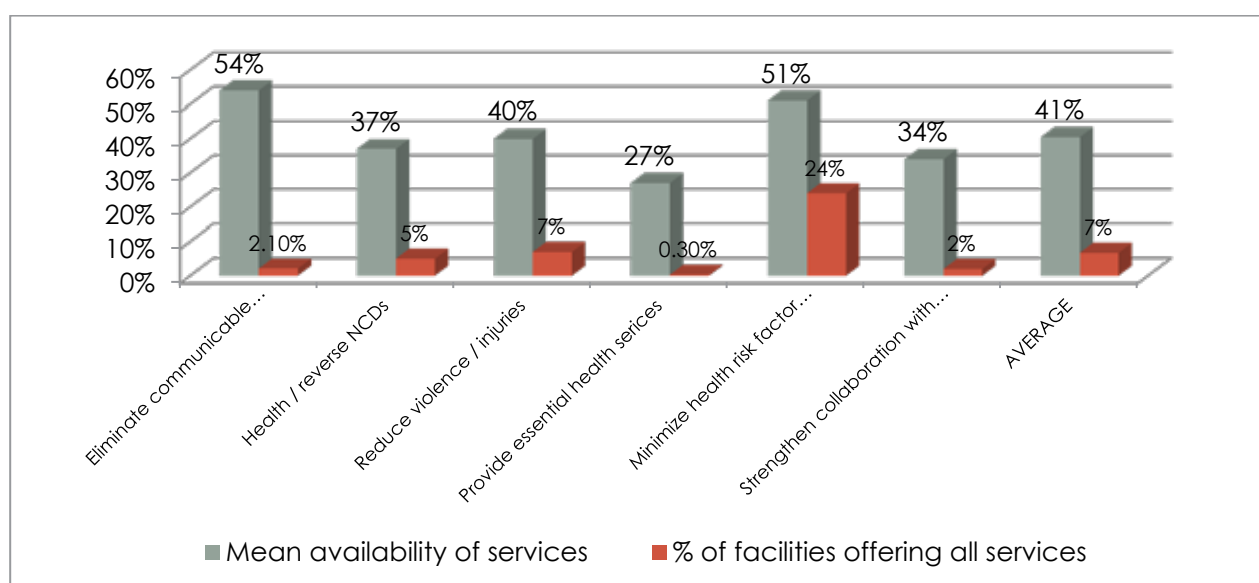
### 3 AVAILABILITY OF KEPH SERVICES

The Kenya Essential Package for Health (KEPH), represents the comprehensive scope of health services that need to be provided across the Country, by tier of care. Services are defined for each of the Health Sector Policy Objectives. Specific interventions have also been defined in each policy objective for attainment, and services around which the interventions are clustered to guide the implementation level and communities on what needs to be provided. In order for the health sector to offer this health package, various services and key health inputs what is referred to as policy orientations must be available and documented.

Access to quality health services is one of the main functions of a health system. For the Kenyan health services to be accessible to the population, health services must be equitably distributed to allow physical accessibility to clients with sufficiently integrated services to respond to demand for services. The facilities should have the capacity to provide the services offered i.e. service readiness (the necessary trained staff, appropriate guidelines, presence of infrastructure, equipment, commodities, medicines and diagnostics at health facility).

However, the availability of the KEPH services varies significantly, depending on the specific set of services. Those services addressing communicable disease elimination are available in most health facilities. (54%) of health facilities provide more than half of the expected services aimed at elimination of communicable conditions, while provisions of essential health services are least available (27%). On the other hand, approximately 1 in every 4 facilities had the full scope of services aimed at reducing exposure to health risk factors (24%), while only (239) facilities had the full scope of essential health services less than 1% of health facilities surveyed.

**Figure 5: Mean availability, and scope of provision of KEPH services**



Information on existence of KEPH services is now highlighted, by Health Sector Policy objective.

### 3.1 To eliminate communicable conditions

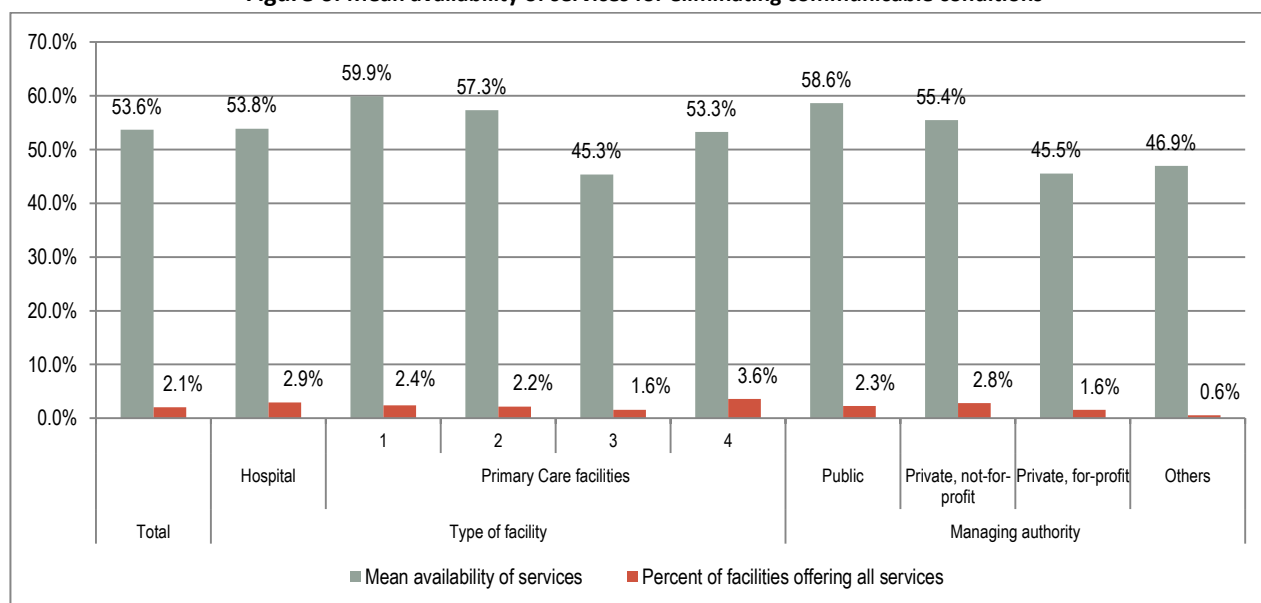
The mean availability of services to eliminate communicable conditions is at 54% across all facilities, with availability higher at primary care facilities as compared to hospitals. Availability of services is also higher amongst public facilities as compared to private facilities. On the other hand, only 2% of facilities are providing ALL KEPH services required to eliminate communicable conditions, with hospitals and private not for profit facilities having the highest proportion of facilities providing all of their expected services.

Looking at the specific services, child health, good hygiene, and HIV/STI prevention services were the 3 most available, while port health, NTD control and integrated vector management were the 3 least available.

**Table 7: Summary National information on provision of KEPH Services**

Variable	Total	Type of facility					Managing authority			
		Hospital	Primary Care facilities				Public	Private, not-for-profit	Private, for-profit	Others
			1	2	3	4				
Total number of facilities	7995	607	1065	3676	2346	301	3978	1327	2538	152
Mean availability of services	54%	54%	60%	57%	45%	53%	40%	39%	32%	33%
Percent of facilities offering all services	2.1%	2.9%	2.4%	2.2%	1.6%	3.6%	2.3%	2.8%	1.6%	0.6%
<b>Specific Services</b>										
Immunization	63%	75%	90%	80%	24%	67%	88%	65%	29%	38%
Child health	70%	80%	92%	84%	37%	75%	90%	72%	43%	40%
Screening for communicable conditions	58%	73%	83%	67%	32%	63%	74%	61%	36%	42%
Antenatal care	68%	80%	91%	82%	35%	77%	88%	70%	42%	39%
Prevention of mothers-to-child transmission of HIV	60%	72%	86%	75%	25%	60%	83%	60%	29%	34%
Integrated vector management	30%	48%	47%	36%	13%	30%	43%	31%	15%	20%
Good hygiene practices	76%	82%	91%	84%	56%	80%	88%	79%	60%	52%
HIV and STI prevention	71%	81%	89%	81%	48%	75%	86%	77%	50%	50%
Port health	6%	11%	9%	7%	4%	9%	8%	8%	5%	4%
Control and prevention of NTD's	29%	43%	42%	33%	17%	35%	37%	31%	20%	24%

**Figure 6: Mean availability of services for eliminating communicable conditions**



KEY: 1 – Health Centre; 2 – Dispensaries; 3 – medical clinics/standalone VCT's; 4 – Others

Availability of services by County is shown in the proceeding two tables – for primary care facilities, and hospitals respectively.

**Table 8: Proportion of Primary Care Facilities providing KEPH Services for elimination of communicable conditions**

County	Total number of Primary Health facilities	% of facilities offering all services	% of primary care facilities providing specific KEPH Services for elimination of communicable conditions										
			Mean availability of services	Immunization	Child health	Screening for communicable conditions	Antenatal care	Prevention of mothers-to-child transmission of HIV	Integrated vector management	Good hygiene practices	HIV and STI prevention	Port health	Control and prevention of NTD's
Baringo	162	0%	59%	66%	76%	59%	67%	59%	47%	83%	72%	2%	34%
Bomet	106	4%	64%	92%	93%	69%	96%	90%	45%	96%	96%	2%	19%
Bungoma	130	1%	45%	73%	78%	77%	79%	72%	44%	78%	77%	3%	49%
Busia	73	12%	60%	82%	82%	72%	80%	78%	38%	87%	82%	3%	25%
Elgeyo-Marakwet	107	4%	61%	66%	72%	47%	55%	49%	25%	76%	67%	2%	22%
Embu	141	4%	55%	65%	76%	65%	74%	63%	32%	83%	83%	4%	22%
Garissa	120	10%	59%	55%	67%	63%	62%	52%	35%	85%	65%	8%	30%
Homa Bay	167	7%	62%	91%	90%	77%	91%	86%	59%	90%	88%	14%	56%
Isiolo	38	5%	59%	95%	98%	60%	95%	90%	35%	83%	98%	5%	33%
Kajiado	194	5%	51%	64%	69%	61%	72%	58%	33%	82%	77%	10%	31%
Kakamega	213	1%	48%	72%	78%	67%	82%	74%	43%	84%	83%	4%	31%
Kericho	163	4%	58%	91%	89%	71%	91%	88%	50%	87%	87%	9%	42%
Kiambu	294	4%	49%	61%	72%	60%	68%	54%	28%	84%	75%	13%	35%
Kilifi	188	3%	51%	53%	57%	51%	63%	53%	22%	69%	64%	4%	26%
Kirinyaga	120	3%	56%	50%	67%	54%	65%	56%	24%	76%	64%	6%	18%
Kisii	122	7%	68%	93%	93%	80%	94%	93%	57%	92%	89%	14%	48%
Kisumu	137	5%	61%	86%	87%	75%	82%	80%	53%	88%	88%	9%	58%
Kitui	300	5%	54%	71%	81%	61%	82%	73%	26%	86%	79%	8%	28%
Kwale	91	3%	51%	74%	88%	80%	88%	85%	38%	91%	86%	8%	38%
Laikipia	82	5%	61%	71%	76%	68%	78%	72%	23%	79%	83%	6%	44%
Lamu	39	3%	50%	63%	63%	40%	70%	65%	18%	85%	78%	8%	25%
Machakos	247	6%	54%	63%	70%	54%	67%	58%	23%	73%	68%	5%	24%
Makueni	172	3%	48%	74%	80%	74%	82%	81%	34%	86%	84%	14%	34%
Mandera	59	6%	56%	48%	69%	44%	45%	42%	17%	75%	61%	5%	25%
Marsabit	85	5%	50%	77%	77%	52%	78%	70%	10%	64%	70%	3%	8%
Meru	336	5%	52%	39%	44%	36%	43%	36%	16%	65%	49%	4%	17%
Migori	156	9%	65%	81%	86%	74%	83%	79%	51%	83%	83%	8%	53%
Mombasa	278	3%	53%	27%	37%	38%	40%	23%	10%	51%	45%	3%	17%
Muranga	174	2%	54%	67%	86%	75%	83%	75%	35%	87%	86%	12%	45%
Nairobi	790	5%	43%	34%	44%	33%	40%	30%	13%	57%	49%	6%	17%
Nakuru	300	5%	57%	71%	73%	55%	75%	65%	21%	76%	79%	3%	24%
Nandi	170	5%	59%	70%	71%	51%	66%	65%	32%	76%	73%	9%	27%
Narok	122	7%	55%	84%	83%	73%	83%	82%	48%	87%	83%	11%	29%
Nyamira	106	13%	70%	94%	97%	82%	97%	93%	65%	94%	94%	16%	58%
Nyandarua	103	4%	44%	69%	76%	73%	82%	73%	26%	81%	75%	7%	24%
Nyeri	205	3%	49%	52%	64%	54%	62%	53%	22%	67%	69%	8%	17%
Samburu	67	5%	57%	58%	71%	66%	74%	60%	21%	84%	77%	3%	27%
Siaya	147	13%	65%	89%	91%	81%	89%	84%	48%	90%	91%	8%	59%
Taita Taveta	78	1%	49%	74%	86%	76%	83%	74%	18%	89%	80%	0%	14%
Tana River	46	0%	49%	89%	77%	53%	79%	70%	28%	64%	72%	2%	30%
Tharaka Nithi	109	6%	49%	50%	67%	50%	55%	47%	17%	76%	69%	4%	18%
Trans-Nzoia	131	2%	39%	51%	51%	47%	55%	47%	33%	58%	57%	1%	24%
Turkana	129	4%	66%	71%	80%	70%	61%	54%	27%	79%	63%	0%	32%
Uasin Gishu	134	7%	59%	76%	80%	63%	78%	70%	44%	75%	75%	5%	23%
Vihiga	79	1%	45%	76%	80%	75%	81%	71%	48%	87%	82%	5%	35%
Wajir	99	12%	61%	56%	66%	56%	58%	49%	20%	75%	62%	15%	26%
West Pokot	79	1%	56%	63%	63%	51%	62%	48%	36%	71%	70%	2%	34%

**Table 9: Proportion of hospitals providing KEPH Services for elimination of communicable conditions**

County	Total number of hospitals	% of facilities offering all services	% of hospitals facilities providing specific KEPH Services for elimination of communicable conditions										
			Mean availability of services	Immunization	Child health	Screening for communicable conditions	Antenatal care	Prevention of mothers-to-child transmission of HIV	Integrated vector management	Good hygiene practices	HIV and STI prevention	Port health	Control and prevention of NTDs
Baringo	7	0%	64%	100%	100%	100%	100%	100%	86%	100%	86%	14%	57%
Bomet	5	0%	64%	100%	100%	100%	100%	100%	60%	100%	100%	0%	60%
Bungoma	11	0%	48%	100%	100%	91%	100%	100%	91%	91%	100%	0%	82%
Busia	7	0%	51%	100%	100%	100%	100%	100%	43%	100%	100%	0%	43%
Elgeyo-Marakwet	9	0%	61%	100%	100%	100%	100%	100%	78%	100%	100%	11%	44%
Embu	8	0%	48%	88%	88%	75%	100%	75%	63%	100%	100%	13%	38%
Garissa	9	11%	63%	100%	100%	89%	100%	100%	56%	100%	100%	11%	56%
Homa Bay	13	15%	78%	100%	100%	100%	100%	100%	92%	100%	92%	23%	85%
Isiolo	3	0%	75%	100%	100%	100%	100%	100%	50%	100%	100%	0%	0%
Kajiado	30	3%	46%	48%	71%	58%	65%	35%	32%	65%	77%	13%	35%
Kakamega	16	0%	48%	100%	100%	88%	100%	88%	63%	100%	94%	0%	44%
Kericho	11	9%	77%	100%	100%	100%	100%	100%	82%	100%	100%	18%	55%
Kiambu	52	2%	45%	57%	68%	58%	66%	42%	34%	81%	79%	15%	34%
Kilifi	11	0%	64%	82%	82%	82%	100%	91%	45%	100%	100%	9%	45%
Kirinyaga	22	5%	45%	23%	36%	36%	50%	32%	18%	50%	64%	5%	14%
Kisii	18	6%	74%	100%	100%	100%	100%	100%	67%	94%	100%	11%	67%
Kisumu	17	29%	78%	94%	94%	94%	94%	100%	88%	100%	94%	18%	88%
Kitui	13	0%	59%	93%	93%	87%	87%	87%	60%	80%	87%	0%	27%
Kwale	4	0%	80%	100%	100%	100%	100%	100%	33%	67%	100%	33%	67%
Laikipia	4	0%	68%	100%	100%	75%	100%	100%	50%	75%	75%	0%	75%
Lamu	3	0%	50%	100%	100%	67%	100%	100%	33%	100%	100%	0%	0%
Machakos	8	0%	64%	100%	100%	100%	100%	100%	86%	100%	100%	14%	71%
Makueni	12	17%	64%	100%	100%	100%	100%	92%	75%	100%	83%	17%	50%
Mandera	5	40%	84%	100%	100%	100%	100%	100%	20%	100%	100%	20%	60%
Marsabit	4	0%	28%	100%	100%	50%	100%	100%	25%	75%	75%	0%	50%
Meru	25	0%	43%	81%	74%	70%	81%	81%	41%	78%	74%	4%	33%
Migori	13	15%	71%	100%	92%	92%	100%	100%	85%	100%	100%	8%	62%
Mombasa	15	6%	39%	75%	75%	81%	75%	69%	44%	81%	75%	6%	38%
Muranga	10	10%	45%	80%	100%	90%	90%	90%	60%	100%	90%	30%	60%
Nairobi	78	3%	36%	50%	54%	49%	50%	45%	16%	54%	50%	9%	24%
Nakuru	17	18%	64%	94%	94%	88%	100%	100%	59%	94%	100%	6%	41%
Nandi	5	0%	64%	100%	100%	100%	100%	100%	60%	100%	100%	0%	40%
Narok	7	14%	70%	100%	86%	71%	100%	86%	57%	71%	86%	29%	71%
Nyamira	8	38%	78%	100%	100%	100%	100%	100%	75%	100%	100%	25%	88%
Nyandarua	13	0%	35%	46%	62%	46%	69%	62%	31%	77%	77%	15%	23%
Nyeri	40	2%	47%	39%	59%	39%	44%	34%	15%	63%	54%	10%	22%
Samburu	4	33%	73%	100%	100%	100%	100%	100%	100%	100%	100%	0%	67%
Siaya	8	13%	68%	100%	100%	100%	100%	100%	88%	100%	100%	50%	75%
Taita Taveta	3	0%	76%	100%	100%	100%	100%	100%	80%	100%	100%	0%	20%
Tana River	3	0%	75%	100%	100%	50%	100%	100%	50%	100%	100%	0%	50%
Tharaka Nithi	7	13%	70%	100%	100%	88%	100%	88%	25%	88%	75%	0%	13%
Trans-Nzoia	6	0%	58%	100%	100%	100%	100%	83%	83%	100%	100%	17%	67%
Turkana	7	14%	71%	100%	100%	100%	100%	86%	57%	100%	86%	0%	57%
Uasin Gishu	12	0%	55%	77%	85%	77%	85%	85%	77%	92%	77%	8%	54%
Vihiga	8	0%	31%	88%	88%	75%	88%	88%	50%	100%	88%	0%	25%
Wajir	11	9%	76%	82%	91%	73%	82%	82%	27%	100%	100%	9%	45%
West Pokot	5	0%	58%	100%	100%	80%	100%	100%	80%	100%	100%	20%	80%

### 3.2 To halt and reverse the rising burden of non-communicable conditions

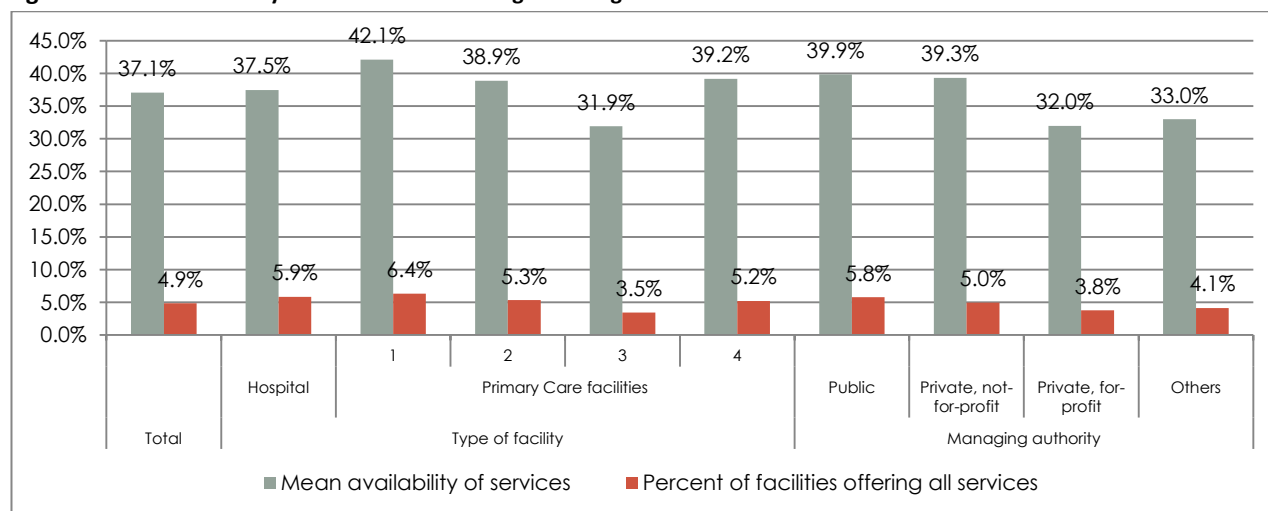
The mean availability of services to halt and reverse the rising burden of non communicable conditions is at 37% across all facilities, with availability higher at primary care facilities as compared to hospitals. Availability of services is marginally higher amongst public facilities as compared to private facilities. On the other hand, only 4.9% of facilities are providing ALL KEPH services required to halt and reverse the rising burden of non communicable conditions, with dispensaries and public facilities having the highest proportion of facilities providing all of their expected services.

Looking at the specific services, health promotion and workplace health and safety are most available, while rehabilitation and NCD screening were least available.

**Table 10: Summary National information on provision of KEPH Services**

Variable	Total	Type of facility					Managing authority			
		Hospital	Primary Care facilities				Public	Private, not-for-profit	Private, for-profit	Others
			1	2	3	4				
Total number of facilities	7995	607	1065	3676	2346	301	3978	1327	2538	152
Mean availability of services	37%	37%	42%	39%	32%	39%	40%	39%	32%	33%
Percent of facilities offering all services	5%	6%	6%	6%	3%	5%	6%	5%	4%	4%
Specific services										
Health promotion and education for NCD's	46%	63%	64%	53%	28%	49%	59%	48%	31%	29%
Institutional screening for NCD's	28%	51%	48%	30%	16%	33%	38%	32%	18%	18%
Rehabilitation	10%	33%	15%	11%	7%	16%	14%	13%	8%	11%
Workplace health and safety	58%	73%	76%	65%	40%	64%	69%	63%	44%	46%
Food quality and safety	35%	64%	57%	40%	18%	50%	47%	39%	23%	28%

**Figure 7: Mean availability of services for reversing the rising burden of non-communicable conditions**



KEY: 1 – Health Centre; 2 – Dispensaries; 3 – medical clinics/standalone VCT's; 4 - Others

Availability of services by County is shown in the proceeding two tables – for primary care facilities, and hospitals respectively.

**Table 11: Proportion of Primary Care Facilities providing KEPH Services for reversing the rising burden of NCD's**

County	Total number of facilities	% of facilities offering all services	Mean availability of services	% of primary care facilities providing specific KEPH Services for reversing the NCD burden				
				Health promotion and education for NCD's	Institutional screening for NCD's	Rehabilitation	Workplace health and safety	Food quality and safety
Baringo	169	4%	42%	34%	19%	2%	75%	60%
Bomet	111	4%	45%	59%	25%	3%	76%	54%
Bungoma	141	1%	33%	67%	47%	9%	57%	36%
Busia	80	12%	44%	64%	47%	14%	62%	32%
Elgeyo-Marakwet	116	4%	40%	29%	10%	5%	64%	34%
Embu	149	4%	37%	46%	20%	9%	60%	29%
Garissa	129	10%	47%	53%	40%	8%	68%	30%
Homa Bay	180	7%	47%	81%	59%	25%	77%	60%
Isiolo	41	5%	41%	45%	13%	13%	48%	50%
Kajiado	224	5%	35%	40%	24%	10%	53%	34%
Kakamega	229	1%	33%	64%	43%	14%	68%	40%
Kericho	174	4%	38%	50%	32%	21%	66%	50%
Kiambu	346	4%	36%	55%	34%	13%	64%	43%
Kilifi	199	3%	30%	38%	26%	6%	52%	21%
Kirinyaga	142	3%	35%	37%	19%	6%	50%	25%
Kisii	140	7%	51%	74%	50%	21%	80%	53%
Kisumu	154	5%	46%	80%	54%	25%	76%	57%
Kitui	313	5%	38%	42%	19%	6%	69%	33%
Kwale	95	3%	29%	63%	48%	7%	65%	41%
Laikipia	86	5%	40%	45%	31%	17%	71%	39%
Lamu	42	3%	32%	25%	18%	10%	48%	30%
Machakos	255	6%	37%	40%	22%	12%	64%	31%
Makueni	184	3%	31%	56%	34%	9%	68%	44%
Mandera	64	6%	45%	31%	6%	2%	50%	16%
Marsabit	89	5%	32%	30%	6%	5%	45%	22%
Meru	361	5%	36%	26%	10%	6%	44%	22%
Migori	169	9%	48%	70%	56%	26%	70%	56%
Mombasa	293	3%	33%	26%	18%	5%	35%	17%
Muranga	184	2%	37%	62%	54%	9%	66%	38%
Nairobi	868	5%	32%	29%	17%	10%	43%	25%
Nakuru	317	5%	40%	45%	24%	5%	59%	32%
Nandi	175	5%	37%	41%	20%	7%	61%	37%
Narok	129	7%	37%	59%	25%	12%	74%	50%
Nyamira	114	13%	51%	77%	60%	26%	82%	68%
Nyandarua	116	4%	30%	47%	31%	12%	64%	44%
Nyeri	245	3%	31%	43%	34%	12%	46%	26%
Samburu	71	5%	39%	51%	15%	7%	58%	34%
Siaya	155	13%	50%	77%	55%	21%	74%	56%
Taita Taveta	81	1%	29%	38%	26%	3%	47%	25%
Tana River	49	0%	29%	47%	28%	2%	32%	38%
Tharaka Nithi	116	6%	27%	23%	10%	6%	54%	33%
Trans-Nzoia	137	2%	24%	48%	25%	9%	43%	26%
Turkana	136	4%	41%	51%	16%	9%	54%	33%
Uasin Gishu	146	7%	39%	40%	29%	12%	68%	30%
Vihiga	87	1%	34%	63%	51%	15%	68%	38%
Wajir	110	12%	51%	48%	29%	2%	42%	20%
West Pokot	84	1%	40%	42%	12%	4%	62%	36%

**Table 12: Proportion of hospitals providing KEPH Services for reversing the rising burden of NCD's**

County	Total number of hospitals	% of facilities offering all services	Mean availability of services	% of hospitals providing specific KEPH Services for reversing the NCD burden				
				Health promotion and education for NCD's	Institutional screening for NCD's	Rehabilitation	Workplace health and safety	Food quality and safety
Baringo	7	0%	37%	71%	86%	14%	100%	71%
Bomet	5	0%	32%	100%	100%	60%	100%	100%
Bungoma	11	0%	40%	100%	73%	55%	91%	64%
Busia	7	0%	43%	86%	86%	29%	100%	71%
Elgeyo-Marakwet	9	0%	42%	67%	44%	22%	100%	100%
Embu	8	0%	28%	88%	50%	50%	88%	88%
Garissa	9	11%	51%	89%	78%	22%	89%	89%
Homa Bay	13	15%	65%	92%	85%	54%	100%	92%
Isiolo	3	0%	60%	100%	50%	50%	100%	100%
Kajiado	30	3%	30%	48%	35%	13%	52%	42%
Kakamega	16	0%	40%	81%	69%	44%	94%	88%
Kericho	11	9%	47%	91%	82%	55%	100%	91%
Kiambu	52	2%	35%	51%	38%	23%	66%	45%
Kilifi	11	0%	33%	36%	27%	36%	73%	73%
Kirinyaga	22	5%	20%	23%	18%	27%	32%	23%
Kisii	18	6%	51%	94%	83%	28%	94%	89%
Kisumu	17	29%	67%	100%	71%	65%	94%	94%
Kitui	13	0%	28%	67%	33%	33%	93%	80%
Kwale	4	0%	67%	100%	67%	100%	100%	100%
Laikipia	4	0%	45%	75%	75%	75%	75%	75%
Lamu	3	0%	20%	0%	0%	33%	67%	67%
Machakos	8	0%	43%	100%	86%	71%	100%	86%
Makueni	12	17%	47%	75%	50%	50%	92%	83%
Mandera	5	40%	80%	80%	60%	20%	60%	60%
Marsabit	4	0%	15%	50%	25%	25%	50%	50%
Meru	25	0%	24%	48%	48%	30%	70%	52%
Migori	13	15%	55%	85%	85%	46%	100%	85%
Mombasa	15	6%	24%	56%	63%	38%	63%	56%
Muranga	10	10%	40%	100%	70%	70%	100%	90%
Nairobi	78	3%	23%	41%	30%	20%	54%	45%
Nakuru	17	18%	47%	65%	65%	59%	88%	82%
Nandi	5	0%	32%	100%	80%	40%	100%	100%
Narok	7	14%	51%	43%	57%	57%	57%	71%
Nyamira	8	38%	70%	100%	88%	13%	88%	88%
Nyandarua	13	0%	22%	31%	23%	31%	54%	46%
Nyeri	40	2%	36%	44%	37%	12%	41%	39%
Samburu	4	33%	53%	100%	33%	33%	67%	100%
Siaya	8	13%	55%	88%	88%	63%	88%	100%
Taita Taveta	3	0%	40%	60%	60%	40%	60%	60%
Tana River	3	0%	40%	50%	50%	0%	50%	50%
Tharaka Nithi	7	13%	45%	38%	38%	38%	63%	50%
Trans-Nzoia	6	0%	23%	83%	50%	33%	100%	100%
Turkana	7	14%	46%	86%	43%	14%	86%	57%
Uasin Gishu	12	0%	40%	77%	69%	46%	77%	69%
Vihiga	8	0%	28%	63%	38%	25%	63%	63%
Wajir	11	9%	53%	73%	27%	18%	82%	45%
West Pokot	5	0%	44%	100%	80%	20%	100%	80%

### 3.3 To reduce the burden of violence and injuries

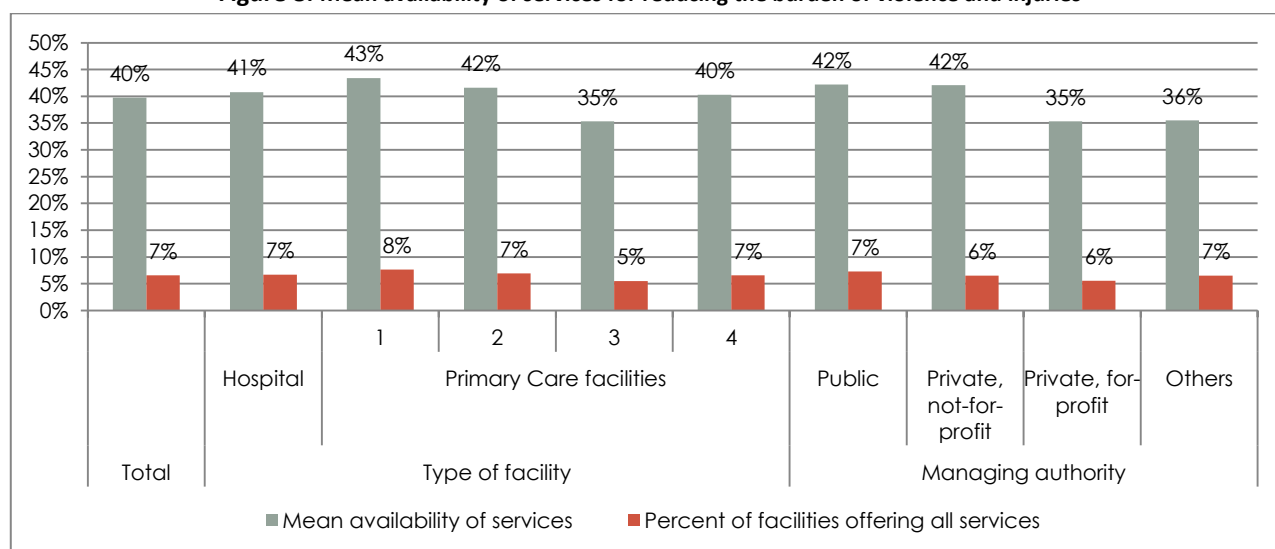
The mean availability of services to reduce the burden of violence and injuries is at 40% across all facilities, with availability higher at primary care facilities as compared to hospitals. Availability of services is similar public and not for profit facilities. On the other hand, only 7% of facilities are providing ALL KEPH services required to reduce the burden of violence and injuries, with dispensaries and public facilities having the highest proportion of facilities providing all of their expected services.

Looking at the specific services, pre-hospital care is most available, while emergency services are least available.

**Table 13: Summary National information on provision of KEPH Services**

Variable	Total	Type of facility					Managing authority			
		Hospital	Primary Care facilities				Public	Private, not-for-profit	Private, for-profit	Others
			1	2	3	4				
Total number of facilities	7995	607	1065	3676	2346	301	3978	1327	2538	152
Mean availability of services	40%	41%	43%	42%	35%	40%	42%	42%	35%	36%
Percent of facilities offering all services	7%	7%	8%	7%	5%	7%	7%	6%	6%	7%
Specific services										
Health Promotion and education on violence / injuries	64%	79%	83%	70%	45%	75%	76%	67%	50%	41%
Pre-hospital care	36%	48%	52%	39%	24%	43%	43%	40%	26%	33%
OPD/accident and emergency	44%	70%	65%	46%	29%	65%	53%	49%	35%	32%
Management for injuries	64%	79%	83%	70%	45%	75%	76%	67%	50%	41%
Rehabilitation	10%	33%	15%	11%	7%	16%	14%	13%	8%	11%

**Figure 8: Mean availability of services for reducing the burden of violence and injuries**



KEY: 1 – Health Centre; 2 – Dispensaries; 3 – medical clinics/standalone VCT's; 4 - Others

Availability of services by County is shown in the proceeding two tables – for primary care facilities, and hospitals respectively.

**Table 14: Proportion of Primary Care Facilities providing KEPH Services for reducing the burden of violence and injuries**

County	Total number of facilities	% of facilities offering all services	Mean availability of services	% of primary care facilities providing specific KEPH Services for reducing burden of violence and injuries				
				Health Promotion and education on violence / injuries	Pre-hospital care	OPD/accident and emergency	Management for injuries	Rehabilitation
Baringo	162	5%	40%	NO DATA	21%	35%	67%	2%
Bomet	106	6%	46%	NO DATA	38%	19%	75%	3%
Bungoma	130	6%	39%	NO DATA	35%	57%	74%	9%
Busia	73	14%	45%	NO DATA	54%	74%	84%	14%
Elgeyo-Marakwet	107	5%	42%	NO DATA	13%	29%	51%	5%
Embu	141	6%	40%	NO DATA	35%	44%	70%	9%
Garissa	120	10%	49%	NO DATA	30%	41%	81%	8%
Homa Bay	167	12%	49%	NO DATA	75%	74%	85%	25%
Isiolo	38	10%	44%	NO DATA	18%	33%	63%	13%
Kajiado	194	5%	39%	NO DATA	33%	52%	75%	10%
Kakamega	213	3%	34%	NO DATA	53%	60%	76%	14%
Kericho	163	6%	39%	NO DATA	44%	55%	75%	21%
Kiambu	294	5%	38%	NO DATA	39%	51%	75%	13%
Kilifi	188	4%	35%	NO DATA	32%	45%	61%	6%
Kirinyaga	120	6%	41%	NO DATA	27%	49%	62%	6%
Kisii	122	10%	52%	NO DATA	61%	54%	83%	21%
Kisumu	137	10%	47%	NO DATA	72%	66%	80%	25%
Kitui	300	7%	40%	NO DATA	33%	43%	63%	6%
Kwale	91	3%	32%	NO DATA	46%	53%	82%	7%
Laikipia	82	7%	41%	NO DATA	33%	48%	71%	17%
Lamu	39	5%	38%	NO DATA	25%	63%	78%	10%
Machakos	247	6%	39%	NO DATA	27%	40%	64%	12%
Makueni	172	8%	33%	NO DATA	31%	51%	66%	9%
Mandera	59	8%	45%	NO DATA	33%	31%	56%	2%
Marsabit	85	7%	36%	NO DATA	18%	39%	60%	5%
Meru	336	6%	38%	NO DATA	23%	25%	45%	6%
Migori	156	11%	48%	NO DATA	60%	66%	80%	26%
Mombasa	278	3%	38%	NO DATA	15%	22%	43%	5%
Muranga	174	3%	41%	NO DATA	58%	55%	81%	9%
Nairobi	790	7%	35%	NO DATA	31%	28%	40%	10%
Nakuru	300	6%	41%	NO DATA	32%	44%	68%	5%
Nandi	170	7%	40%	NO DATA	30%	40%	61%	7%
Narok	122	5%	40%	NO DATA	41%	46%	71%	12%
Nyamira	106	14%	55%	NO DATA	73%	78%	92%	26%
Nyandarua	103	2%	31%	NO DATA	43%	56%	77%	12%
Nyeri	205	5%	37%	NO DATA	38%	41%	62%	12%
Samburu	67	3%	44%	NO DATA	25%	30%	66%	7%
Siaya	147	13%	55%	NO DATA	61%	68%	85%	21%
Taita Taveta	78	1%	34%	NO DATA	37%	58%	63%	3%
Tana River	46	0%	32%	NO DATA	21%	43%	60%	2%
Tharaka Nithi	109	6%	31%	NO DATA	31%	21%	42%	6%
Trans-Nzoia	131	4%	26%	NO DATA	30%	31%	49%	9%
Turkana	129	6%	46%	NO DATA	33%	38%	58%	9%
Uasin Gishu	134	7%	46%	NO DATA	46%	52%	70%	12%
Vihiga	79	5%	38%	NO DATA	46%	62%	75%	15%
Wajir	99	21%	54%	NO DATA	33%	54%	65%	2%
West Pokot	79	4%	38%	NO DATA	15%	38%	60%	4%

**Table 15: Proportion of hospitals providing KEPH Services for reducing the burden of violence and injuries**

County	Total number of hospitals	% of facilities offering all services	Mean availability of services	% of hospitals providing specific KEPH Services for reducing burden of violence and injuries				
				Health Promotion and education on violence / injuries	Pre-hospital care	OPD/accident and emergency	Management for injuries	Rehabilitation
Baringo	7	0%	46%	NO DATA	86%	86%	100%	14%
Bomet	5	0%	30%	NO DATA	80%	100%	100%	60%
Bungoma	11	0%	41%	NO DATA	73%	91%	82%	55%
Busia	7	0%	46%	NO DATA	86%	86%	100%	29%
Elgeyo-Marakwet	9	0%	44%	NO DATA	11%	56%	100%	22%
Embu	8	13%	28%	NO DATA	0%	63%	100%	50%
Garissa	9	22%	61%	NO DATA	33%	67%	89%	22%
Homa Bay	13	15%	65%	NO DATA	69%	100%	100%	54%
Isiolo	3	50%	63%	NO DATA	50%	50%	100%	50%
Kajiado	30	3%	37%	NO DATA	39%	55%	74%	13%
Kakamega	16	0%	41%	NO DATA	81%	88%	88%	44%
Kericho	11	0%	61%	NO DATA	55%	100%	100%	55%
Kiambu	52	0%	36%	NO DATA	49%	68%	81%	23%
Kilifi	11	0%	36%	NO DATA	36%	82%	100%	36%
Kirinyaga	22	5%	34%	NO DATA	23%	36%	32%	27%
Kisii	18	6%	54%	NO DATA	72%	94%	94%	28%
Kisumu	17	18%	68%	NO DATA	76%	94%	94%	65%
Kitui	13	0%	28%	NO DATA	40%	80%	93%	33%
Kwale	4	33%	42%	NO DATA	67%	100%	100%	100%
Laikipia	4	25%	56%	NO DATA	75%	100%	75%	75%
Lamu	3	0%	42%	NO DATA	67%	100%	100%	33%
Machakos	8	14%	43%	NO DATA	29%	86%	100%	71%
Makueni	12	25%	54%	NO DATA	42%	83%	83%	50%
Mandera	5	20%	70%	NO DATA	60%	100%	100%	20%
Marsabit	4	0%	31%	NO DATA	25%	75%	100%	25%
Meru	25	0%	27%	NO DATA	41%	70%	78%	30%
Migori	13	23%	58%	NO DATA	85%	92%	100%	46%
Mombasa	15	0%	27%	NO DATA	44%	63%	81%	38%
Muranga	10	10%	38%	NO DATA	70%	90%	90%	70%
Nairobi	78	3%	30%	NO DATA	33%	41%	47%	20%
Nakuru	17	12%	41%	NO DATA	35%	88%	94%	59%
Nandi	5	0%	50%	NO DATA	60%	80%	100%	40%
Narok	7	14%	54%	NO DATA	43%	86%	71%	57%
Nyamira	8	38%	69%	NO DATA	100%	100%	100%	13%
Nyandarua	13	0%	25%	NO DATA	15%	31%	77%	31%
Nyeri	40	5%	36%	NO DATA	34%	41%	54%	12%
Samburu	4	0%	58%	NO DATA	33%	67%	100%	33%
Siaya	8	25%	53%	NO DATA	100%	100%	100%	63%
Taita Taveta	3	0%	30%	NO DATA	40%	80%	80%	40%
Tana River	3	0%	38%	NO DATA	50%	50%	100%	0%
Tharaka Nithi	7	25%	59%	NO DATA	63%	63%	75%	38%
Trans-Nzoia	6	0%	25%	NO DATA	50%	50%	100%	33%
Turkana	7	14%	61%	NO DATA	29%	100%	100%	14%
Uasin Gishu	12	8%	37%	NO DATA	62%	85%	92%	46%
Vihiga	8	0%	25%	NO DATA	50%	75%	75%	25%
Wajir	11	9%	52%	NO DATA	36%	91%	91%	18%
West Pokot	5	20%	50%	NO DATA	60%	60%	100%	20%

### 3.4 To provide essential health services

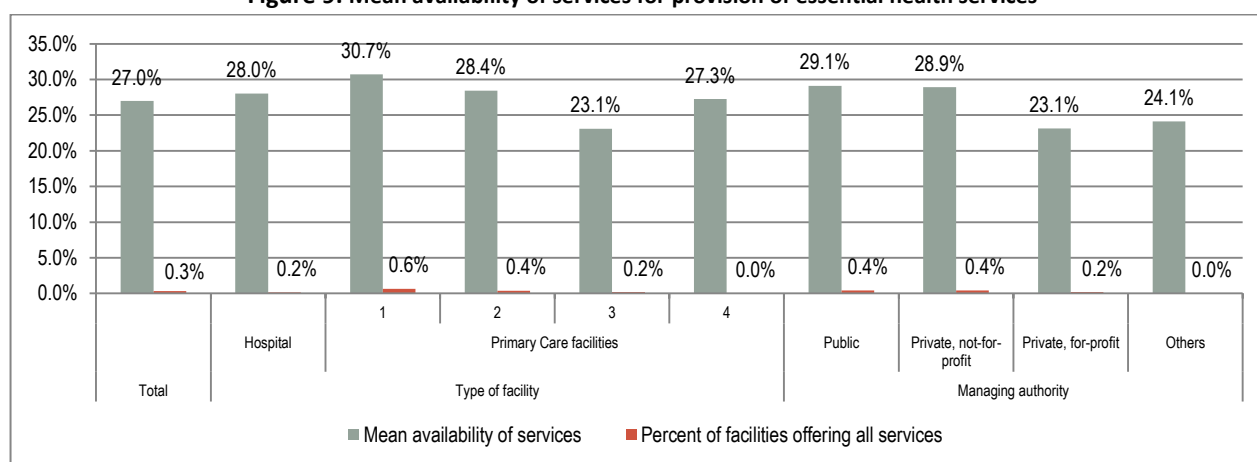
The mean availability of essential health services is low, at 27% across all facilities, with availability higher at primary care facilities as compared to hospitals. Availability of services is marginally higher amongst public facilities as compared to private facilities. On the other hand, only 0.3% of facilities are providing ALL their expected essential health services, with dispensaries marginally having the highest proportion of facilities providing all their expected services.

Looking at the specific services, general outpatient, integrated MNCH and reproductive health services are most available, while laboratory, imaging and palliative care services are least available.

**Table 16: Summary National information on provision of KEPH Services**

Variable	Total	Type of facility					Managing authority			
		Hospital	Primary Care facilities				Public	Private, not-for-profit	Private, for-profit	Others
			1	2	3	4				
Total number of facilities	7995	607	1065	3676	2346	301	3978	1327	2538	152
Mean availability of services	27.0%	28.0%	30.7%	28.4%	23.1%	27.3%	29.1%	28.9%	23.1%	24.1%
Percent of facilities offering all services	0.3%	0.2%	0.6%	0.4%	0.2%	0.0%	0.4%	0.4%	0.2%	0.0%
<b>Specific services</b>										
General outpatient	77%	83%	92%	85%	58%	84%	88%	78%	64%	54%
Integrated MCH/family planning services	64%	77%	84%	76%	36%	71%	84%	59%	42%	38%
Accident and emergency	27%	55%	42%	26%	18%	51%	31%	32%	23%	24%
Emergency life support	15%	41%	26%	14%	11%	35%	18%	21%	14%	17%
Maternity	35%	69%	74%	35%	14%	67%	49%	37%	21%	21%
Newborn services	34%	64%	63%	37%	14%	57%	48%	37%	20%	21%
Reproductive health	58%	76%	80%	67%	33%	68%	76%	53%	39%	36%
Inpatient	14%	67%	41%	7%	7%	58%	18%	25%	14%	12%
Clinical laboratory	41%	78%	75%	34%	34%	68%	42%	56%	42%	31%
Specialized laboratory	4%	25%	9%	2%	4%	17%	5%	8%	7%	4%
Imaging X – ray	2%	36%	3%	1%	2%	18%	4%	7%	6%	2%
Pharmaceutical	40%	68%	61%	43%	25%	59%	50%	48%	29%	30%
Blood safety	6%	42%	10%	3%	5%	26%	8%	12%	8%	7%
Rehabilitation	10%	33%	15%	11%	7%	16%	14%	13%	8%	11%
Palliative care	4%	23%	7%	3%	3%	19%	5%	9%	5%	5%
Specialized clinics	6%	38%	12%	4%	7%	16%	8%	12%	9%	6%
Comprehensive youth friendly services	10%	25%	18%	9%	7%	19%	12%	15%	8%	7%
General operations	5%	38%	7%	3%	4%	30%	7%	11%	8%	1%

**Figure 9: Mean availability of services for provision of essential health services**



KEY: 1 – Health Centre; 2 – Dispensaries; 3 – medical clinics/standalone VCT's; 4 – Others

Availability of services by County is shown in the proceeding two tables – for primary care facilities, and hospitals respectively.

**Table 17: Proportion of Primary Care Facilities providing KEPH Essential Health Services**

County	Total number of facilities	% of facilities offering all services	Mean availability of services	% of primary care facilities providing specific Essential Health Services																Specialized clinics	Comprehensive youth friendly services	General operations
				General outpatient	Integrated MCH/family planning services	Accident and emergency	Emergency life support	Maternity	Newborn services	Reproductive health	Inpatient	Clinical laboratory	Specialized laboratory	Imaging X – ray	Pharmaceutical	Blood safety	Rehabilitation	Palliative care				
Baringo	162	0%	29%	83%	71%	25%	7%	20%	43%	69%	8%	22%	1%	0%	42%	1%	2%	0%	0%	2%	2%	
Bomet	106	0%	31%	95%	92%	12%	2%	28%	41%	80%	6%	30%	1%	0%	58%	7%	3%	4%	6%	9%	0%	
Bungoma	130	1%	23%	86%	74%	44%	15%	57%	54%	75%	20%	64%	5%	1%	54%	4%	9%	8%	4%	12%	5%	
Busia	73	0%	29%	88%	79%	59%	25%	51%	39%	75%	28%	50%	7%	4%	50%	11%	14%	3%	3%	12%	4%	
Elgeyo-Marakwet	107	0%	29%	74%	57%	18%	11%	24%	24%	66%	16%	20%	1%	0%	44%	2%	5%	1%	0%	3%	2%	
Embu	141	1%	29%	87%	77%	29%	17%	15%	29%	65%	10%	56%	2%	1%	47%	6%	9%	3%	5%	4%	5%	
Garissa	120	1%	31%	85%	56%	23%	11%	30%	26%	48%	13%	58%	7%	2%	56%	10%	8%	2%	6%	6%	4%	
Homa Bay	167	0%	32%	89%	83%	43%	29%	76%	60%	78%	31%	39%	4%	1%	50%	9%	25%	13%	11%	25%	8%	
Isiolo	38	0%	32%	95%	85%	18%	18%	38%	40%	73%	20%	45%	3%	3%	60%	0%	13%	0%	0%	0%	0%	
Kajiado	194	1%	25%	84%	69%	31%	16%	38%	36%	62%	22%	43%	5%	2%	41%	5%	10%	5%	6%	14%	4%	
Kakamega	213	0%	24%	87%	79%	39%	19%	63%	56%	77%	20%	48%	3%	1%	45%	6%	14%	1%	3%	12%	3%	
Keicho	163	1%	27%	87%	80%	29%	23%	32%	38%	66%	13%	31%	3%	1%	44%	7%	21%	4%	3%	8%	1%	
Kiambu	294	0%	25%	79%	63%	33%	13%	29%	28%	57%	17%	44%	8%	4%	36%	7%	13%	5%	8%	13%	6%	
Kilifi	188	0%	27%	78%	63%	35%	16%	47%	38%	58%	10%	37%	2%	1%	35%	5%	6%	5%	4%	11%	4%	
Kirinyaga	120	0%	26%	73%	62%	26%	11%	24%	21%	57%	17%	54%	3%	4%	36%	8%	6%	4%	10%	7%	7%	
Kisii	122	1%	36%	89%	85%	37%	25%	72%	54%	80%	25%	59%	6%	2%	50%	14%	21%	10%	5%	25%	12%	
Kisumu	137	0%	33%	86%	78%	40%	34%	60%	60%	79%	27%	54%	8%	5%	58%	17%	25%	17%	12%	39%	20%	
Kitui	300	1%	28%	89%	77%	18%	9%	33%	29%	66%	7%	32%	3%	1%	35%	2%	6%	3%	3%	6%	4%	
Kwale	91	0%	26%	96%	83%	41%	25%	74%	61%	79%	10%	52%	3%	2%	57%	7%	7%	3%	5%	18%	7%	
Laikipia	82	1%	27%	85%	76%	28%	14%	31%	37%	61%	15%	33%	2%	1%	54%	6%	17%	5%	5%	6%	2%	
Lamu	39	0%	26%	85%	60%	45%	13%	45%	48%	73%	15%	33%	3%	3%	53%	0%	10%	5%	3%	8%	5%	
Machakos	247	1%	28%	77%	64%	21%	13%	39%	33%	55%	7%	43%	3%	1%	38%	3%	12%	3%	3%	7%	5%	
Makueni	172	0%	22%	91%	79%	29%	13%	57%	54%	73%	12%	54%	3%	1%	37%	3%	9%	3%	6%	9%	13%	
Mandera	59	0%	29%	72%	39%	28%	19%	36%	25%	34%	19%	33%	8%	2%	30%	9%	2%	2%	6%	6%	3%	
Marsabit	85	0%	26%	77%	69%	31%	17%	33%	37%	48%	15%	23%	5%	3%	38%	6%	5%	5%	5%	7%	2%	
Meru	336	0%	25%	71%	40%	13%	9%	10%	15%	38%	5%	45%	3%	2%	32%	2%	6%	2%	5%	3%	2%	
Migori	156	1%	33%	83%	83%	50%	35%	71%	63%	75%	28%	49%	10%	6%	41%	12%	26%	11%	13%	21%	11%	
Mombasa	278	0%	27%	55%	33%	12%	10%	17%	15%	30%	8%	38%	5%	2%	22%	4%	5%	2%	6%	9%	3%	
Muranga	174	0%	27%	93%	75%	23%	13%	28%	25%	71%	8%	53%	3%	2%	21%	4%	9%	1%	2%	6%	2%	
Nairobi	790	0%	23%	49%	37%	20%	13%	15%	15%	30%	13%	33%	7%	6%	30%	8%	10%	6%	16%	10%	6%	
Nakuru	300	0%	29%	81%	71%	24%	19%	30%	30%	66%	11%	50%	5%	4%	53%	7%	5%	4%	6%	10%	4%	
Nandi	170	1%	29%	79%	68%	20%	11%	21%	23%	54%	14%	40%	3%	1%	38%	3%	7%	3%	3%	4%	4%	
Narok	122	0%	26%	83%	82%	27%	13%	39%	43%	70%	20%	35%	9%	5%	46%	4%	12%	8%	5%	13%	3%	
Nyamira	106	0%	37%	94%	93%	53%	33%	84%	75%	83%	26%	42%	6%	2%	48%	7%	26%	11%	8%	21%	7%	
Nyandarua	103	0%	20%	82%	73%	36%	18%	40%	40%	65%	11%	43%	6%	2%	46%	8%	12%	5%	8%	10%	3%	
Nyeri	205	0%	24%	69%	52%	20%	10%	18%	25%	48%	10%	38%	3%	2%	38%	3%	12%	3%	4%	6%	2%	
Samburu	67	0%	29%	84%	66%	14%	11%	33%	23%	63%	12%	12%	1%	0%	48%	1%	7%	1%	3%	3%	0%	
Siaya	147	1%	34%	90%	85%	48%	31%	76%	68%	79%	30%	57%	7%	4%	61%	12%	21%	11%	19%	25%	11%	
Taita Taveta	78	1%	27%	89%	75%	43%	16%	70%	58%	78%	13%	54%	4%	1%	50%	5%	3%	1%	4%	12%	5%	
Tana River	46	0%	26%	87%	72%	17%	23%	40%	40%	64%	4%	26%	0%	0%	40%	4%	2%	2%	0%	6%	4%	
Tharaka Nithi	109	0%	21%	89%	54%	16%	9%	13%	21%	53%	11%	61%	2%	1%	28%	2%	6%	2%	4%	2%	1%	
Trans-Nzoia	131	0%	18%	59%	52%	15%	10%	28%	37%	50%	12%	22%	1%	0%	37%	1%	9%	3%	2%	10%	16%	
Turkana	129	0%	30%	75%	57%	24%	15%	26%	24%	50%	12%	22%	1%	0%	37%	9%	9%	3%	1%	4%	7%	
Uasin Gishu	134	0%	29%	78%	71%	24%	9%	39%	39%	68%	10%	43%	4%	2%	54%	3%	12%	5%	5%	5%	7%	
Vihiga	79	0%	22%	89%	77%	39%	19%	58%	61%	81%	32%	41%	0%	1%	39%	4%	15%	9%	10%	16%	1%	
Wajir	99	1%	36%	81%	53%	21%	13%	33%	34%	39%	11%	31%	3%	1%	47%	4%	2%	2%	4%	5%	4%	
West Pokot	79	0%	26%	62%	59%	8%	7%	15%	25%	35%	8%	33%	0%	0%	9%	2%	4%	0%	1%	2%	1%	

**Table 18: Proportion of hospitals providing KEPH Essential Health Services**

County	Total number of hospitals	% of facilities offering all services	Mean availability of services	% of primary care facilities providing specific Essential Health Services																Specialized clinics	Comprehensive youth friendly services	General operations
				General outpatient	Integrated MCH/family planning services	Accident and emergency	Emergency life support	Maternity	Newborn services	Reproductive health	Inpatient	Clinical laboratory	Specialized laboratory	Imaging X – ray	Pharmaceutical	Blood safety	Rehabilitation	Palliative care				
Baringo	7	0%	28%	100%	86%	71%	43%	86%	86%	86%	86%	100%	57%	43%	100%	71%	14%	29%	57%	14%	43%	
Bomet	5	0%	19%	100%	100%	60%	80%	80%	100%	80%	100%	100%	40%	60%	100%	60%	60%	40%	80%	60%	60%	
Bungoma	11	0%	22%	100%	100%	82%	36%	100%	73%	100%	100%	100%	18%	45%	91%	73%	55%	18%	45%	55%	55%	
Busia	7	0%	23%	100%	100%	86%	43%	100%	100%	100%	100%	100%	29%	86%	100%	86%	29%	14%	57%	43%	57%	
Elgeyo-Marakwet	9	0%	22%	100%	89%	56%	33%	100%	78%	89%	100%	100%	44%	33%	89%	33%	22%	22%	22%	0%	44%	
Embu	8	0%	24%	100%	75%	25%	38%	75%	50%	88%	88%	100%	25%	63%	100%	38%	50%	38%	38%	25%	38%	
Garissa	9	0%	41%	100%	100%	78%	56%	100%	78%	100%	89%	100%	22%	22%	100%	44%	22%	44%	22%	0%	44%	
Homa Bay	13	0%	44%	100%	92%	92%	85%	92%	100%	100%	92%	85%	31%	23%	77%	46%	54%	38%	38%	54%	38%	
Isiolo	3	0%	53%	100%	100%	100%	50%	100%	100%	100%	100%	100%	50%	50%	100%	50%	50%	50%	50%	50%	50%	
Kajiado	30	0%	27%	77%	58%	48%	29%	35%	35%	71%	42%	68%	19%	19%	61%	23%	13%	6%	19%	19%	26%	
Kakamega	16	0%	27%	94%	100%	81%	38%	100%	88%	100%	100%	100%	19%	31%	100%	38%	44%	13%	38%	38%	38%	
Kenicho	11	0%	41%	100%	100%	73%	64%	100%	82%	82%	100%	100%	27%	64%	91%	64%	55%	27%	36%	18%	64%	
Kiambu	52	2%	23%	87%	72%	49%	30%	47%	47%	79%	40%	58%	15%	25%	47%	21%	23%	19%	25%	19%	26%	
Kilifi	11	0%	26%	91%	100%	91%	64%	82%	91%	73%	73%	91%	45%	55%	82%	55%	36%	36%	36%	18%	55%	
Kirinyaga	22	0%	23%	45%	45%	27%	14%	18%	27%	36%	27%	59%	5%	9%	27%	18%	27%	5%	18%	23%	23%	
Kisii	18	0%	43%	100%	94%	67%	78%	100%	67%	94%	100%	100%	33%	39%	89%	50%	28%	39%	56%	50%	44%	
Kisumu	17	0%	47%	94%	94%	71%	65%	100%	88%	100%	100%	100%	35%	53%	100%	82%	65%	24%	47%	47%	59%	
Kitui	13	0%	26%	87%	80%	67%	40%	93%	80%	87%	87%	93%	33%	33%	73%	47%	33%	27%	67%	20%	33%	
Kwale	4	0%	33%	100%	100%	100%	67%	100%	100%	100%	100%	100%	67%	67%	100%	100%	100%	0%	100%	33%	100%	
Lakipia	4	0%	32%	100%	100%	75%	75%	100%	100%	100%	100%	100%	50%	50%	100%	50%	75%	25%	75%	25%	50%	
Lamu	3	0%	30%	100%	100%	100%	33%	100%	100%	100%	100%	100%	33%	67%	100%	33%	33%	67%	67%	0%	67%	
Machakos	8	0%	30%	100%	86%	71%	29%	86%	71%	86%	100%	100%	57%	100%	100%	71%	71%	57%	71%	29%	71%	
Makueni	12	0%	40%	100%	92%	42%	25%	92%	92%	83%	67%	100%	42%	25%	67%	25%	50%	17%	67%	33%	50%	
Mandera	5	0%	44%	100%	100%	80%	60%	100%	80%	100%	80%	80%	20%	20%	100%	80%	20%	40%	20%	40%	20%	
Marsabit	4	0%	19%	100%	100%	75%	25%	100%	100%	75%	100%	100%	25%	50%	75%	100%	25%	0%	0%	0%	50%	
Meru	25	0%	19%	81%	70%	44%	33%	74%	63%	70%	56%	85%	15%	44%	70%	33%	30%	19%	33%	26%	30%	
Migori	13	0%	43%	100%	92%	69%	54%	100%	100%	92%	100%	100%	23%	23%	92%	69%	46%	15%	46%	38%	54%	
Mombasa	15	0%	19%	88%	63%	63%	44%	75%	75%	69%	75%	81%	50%	75%	75%	56%	38%	38%	50%	25%	63%	
Muranga	10	0%	22%	80%	90%	70%	50%	70%	60%	80%	70%	80%	50%	30%	60%	60%	70%	50%	50%	40%	60%	
Nairobi	78	0%	18%	49%	49%	37%	29%	37%	37%	46%	38%	49%	17%	32%	42%	29%	20%	22%	32%	25%	22%	
Nakuru	17	0%	31%	94%	94%	71%	65%	88%	82%	94%	100%	88%	24%	71%	82%	59%	59%	35%	71%	41%	71%	
Nandi	5	0%	32%	100%	100%	80%	60%	100%	80%	100%	100%	100%	20%	40%	100%	20%	40%	40%	40%	40%	40%	
Narok	7	0%	37%	86%	100%	43%	57%	100%	86%	86%	71%	71%	14%	43%	71%	57%	57%	14%	29%	0%	43%	
Nyamira	8	0%	49%	100%	100%	75%	75%	88%	88%	100%	100%	100%	25%	13%	75%	38%	13%	25%	25%	13%	25%	
Nyandarua	13	0%	17%	69%	69%	23%	23%	46%	38%	46%	38%	46%	15%	23%	31%	23%	31%	8%	23%	15%	38%	
Nyeri	40	0%	24%	71%	39%	24%	15%	24%	29%	46%	22%	49%	12%	20%	34%	20%	12%	12%	27%	15%	22%	
Samburu	4	0%	48%	100%	100%	67%	67%	100%	100%	100%	100%	100%	33%	67%	100%	67%	33%	67%	67%	0%	67%	
Siaya	8	0%	47%	88%	100%	63%	88%	88%	75%	100%	100%	100%	38%	63%	88%	88%	63%	50%	63%	63%	50%	
Taita Taveta	3	0%	29%	80%	100%	60%	60%	100%	80%	80%	100%	100%	20%	60%	80%	60%	40%	0%	60%	60%	20%	
Tana River	3	0%	36%	100%	100%	50%	50%	50%	100%	50%	100%	100%	0%	0%	50%	50%	0%	0%	50%	0%	100%	
Tharaka Nithi	7	0%	37%	100%	100%	63%	33%	100%	100%	88%	88%	100%	25%	38%	63%	50%	38%	13%	38%	25%	38%	
Trans-Nzoia	6	0%	16%	100%	100%	33%	33%	83%	83%	100%	83%	83%	17%	33%	83%	33%	33%	33%	50%	17%	50%	
Turkana	7	0%	36%	100%	100%	71%	29%	100%	86%	100%	100%	71%	14%	14%	71%	43%	14%	0%	14%	0%	29%	
Uasin Gishu	12	0%	28%	92%	85%	69%	54%	77%	77%	85%	77%	92%	38%	46%	85%	62%	46%	38%	46%	15%	54%	
Vihiga	8	0%	20%	100%	75%	38%	38%	88%	75%	100%	75%	63%	38%	25%	63%	38%	25%	38%	50%	25%	13%	
Wajir	11	0%	40%	91%	82%	55%	27%	82%	73%	82%	64%	73%	27%	18%	91%	36%	18%	0%	0%	0%	18%	
West Pokot	5	0%	30%	100%	100%	0%	20%	80%	60%	80%	100%	100%	0%	20%	80%	40%	20%	0%	20%	0%	40%	

### 3.5 To minimize exposure to health risk factors

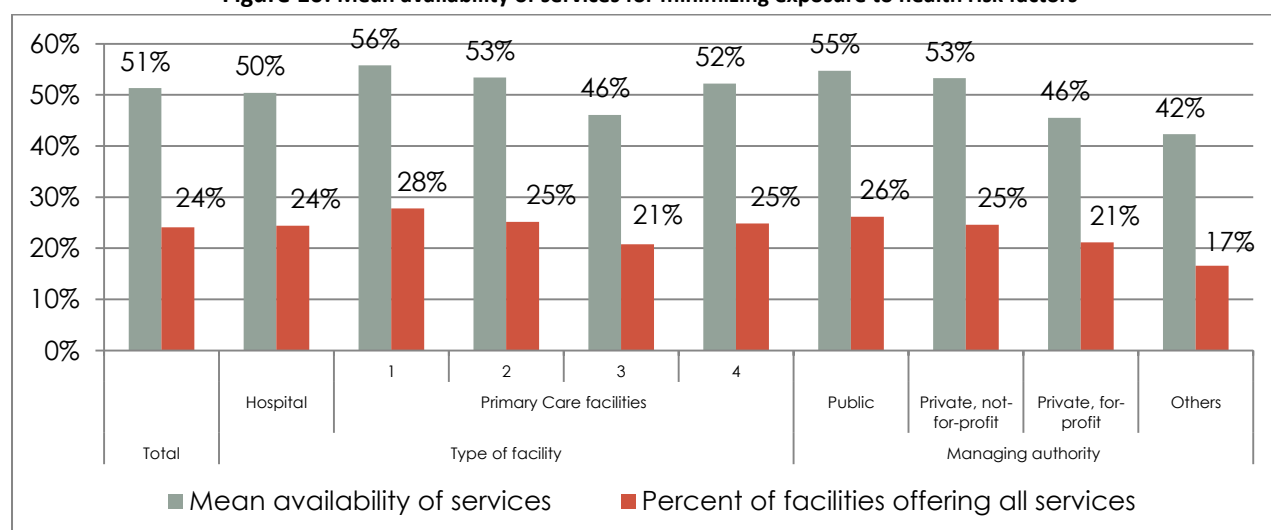
Health promotion and education is the cornerstone to minimize exposure to health risks factors. Over 71% of health facilities have health promotion and education services available. Notably such services are predominantly available in public facilities that in private facilities. Fewer health facilities provided sex education (55%) and substance abuse (33%) services. mean availability of services to minimize the exposure to health risk factors is only 24% across all facilities, with availability higher at primary care facilities as compared to hospitals. Availability of services is higher amongst public facilities as compared to private facilities. On the other hand, 24% of facilities are providing ALL their required KEPH services to minimize exposure to health risk factors, with dispensaries and public facilities having the highest proportion of facilities providing all services.

Looking at the specific services, health promotion and education are most available, while no facilities reported promoting physical activity services as being available.

**Table 19: Summary National information on provision of KEPH Services**

Variable	Total	Type of facility					Managing authority			
		Hospital	Primary Care facilities				Public	Private, not-for-profit	Private, for-profit	Others
			1	2	3	4				
Total number of facilities	7995	607	1065	3676	2346	301	3978	1327	2538	152
Mean availability of services	51%	50%	56%	53%	46%	52%	55%	53%	46%	42%
Percent of facilities offering all services	24%	24%	28%	25%	21%	25%	26%	25%	21%	17%
Specific services										
Health promotion including health education	71%	79%	87%	81%	50%	74%	85%	76%	52%	50%
Sexual education	55%	65%	69%	61%	39%	59%	66%	59%	40%	39%
Substance abuse	33%	47%	45%	37%	21%	35%	40%	39%	22%	23%
Micronutrient deficiency control	43%	58%	63%	53%	18%	38%	60%	44%	21%	24%
Physical activity										

**Figure 10: Mean availability of services for minimizing exposure to health risk factors**



KEY: 1 – Health Centre; 2 – Dispensaries; 3 – medical clinics/standalone VCT's; 4 - Others

Availability of services by County is shown in the proceeding two tables – for primary care facilities, and hospitals respectively.

**Table 20: Proportion of Primary Care Facilities providing KEPH Services for minimizing exposure to health risk factors**

County	Total number of facilities	% of facilities offering all services	Mean availability of services	% of primary care facilities providing specific KEPH Services for minimizing exposure to health risk factors				
				Health promotion including health education	Sexual education	Substance abuse	Micronutrient deficiency control	Physical activity
Baringo	162	20%	52%	73%	38%	13%	62%	NO DATA
Bomet	106	26%	60%	92%	70%	30%	55%	NO DATA
Bungoma	130	20%	51%	81%	74%	38%	53%	NO DATA
Busia	73	30%	58%	92%	82%	47%	74%	NO DATA
Elgeyo-Marakwet	107	23%	57%	68%	41%	18%	23%	NO DATA
Embu	141	24%	52%	81%	68%	46%	37%	NO DATA
Garissa	120	27%	58%	72%	43%	28%	38%	NO DATA
Homa Bay	167	35%	62%	92%	86%	58%	60%	NO DATA
Isiolo	38	25%	46%	70%	43%	25%	48%	NO DATA
Kajiado	194	19%	49%	74%	59%	47%	55%	NO DATA
Kakamega	213	23%	50%	86%	77%	43%	53%	NO DATA
Kericho	163	23%	55%	82%	67%	40%	50%	NO DATA
Kiambu	294	24%	49%	79%	62%	45%	49%	NO DATA
Kilifi	188	21%	48%	66%	46%	14%	32%	NO DATA
Kirinyaga	120	24%	50%	76%	51%	39%	33%	NO DATA
Kisii	122	34%	66%	87%	85%	52%	64%	NO DATA
Kisumu	137	33%	63%	88%	80%	58%	64%	NO DATA
Kitui	300	25%	50%	79%	62%	34%	52%	NO DATA
Kwale	91	14%	46%	87%	67%	34%	71%	NO DATA
Laikipia	82	21%	49%	80%	60%	44%	62%	NO DATA
Lamu	39	13%	39%	73%	30%	20%	33%	NO DATA
Machakos	247	28%	53%	67%	45%	23%	28%	NO DATA
Makueni	172	22%	47%	78%	60%	33%	62%	NO DATA
Mandera	59	33%	58%	70%	22%	19%	42%	NO DATA
Marsabit	85	34%	57%	71%	46%	28%	49%	NO DATA
Meru	336	22%	49%	56%	39%	24%	25%	NO DATA
Migori	156	29%	60%	88%	82%	52%	58%	NO DATA
Mombasa	278	20%	47%	45%	33%	17%	15%	NO DATA
Muranga	174	23%	52%	85%	65%	49%	65%	NO DATA
Nairobi	790	21%	43%	50%	36%	22%	25%	NO DATA
Nakuru	300	25%	55%	73%	58%	32%	32%	NO DATA
Nandi	170	23%	51%	78%	54%	27%	28%	NO DATA
Narok	122	26%	51%	80%	57%	29%	43%	NO DATA
Nyamira	106	42%	69%	92%	91%	70%	67%	NO DATA
Nyandarua	103	19%	43%	73%	53%	47%	55%	NO DATA
Nyeri	205	24%	46%	67%	52%	34%	32%	NO DATA
Samburu	67	30%	55%	79%	62%	27%	64%	NO DATA
Siaya	147	33%	64%	91%	86%	56%	65%	NO DATA
Taita Taveta	78	18%	44%	79%	62%	24%	46%	NO DATA
Tana River	46	19%	51%	55%	40%	17%	62%	NO DATA
Tharaka Nithi	109	16%	42%	48%	43%	34%	30%	NO DATA
Trans-Nzoia	131	16%	38%	53%	47%	33%	27%	NO DATA
Turkana	129	26%	57%	71%	48%	34%	49%	NO DATA
Uasin Gishu	134	24%	56%	72%	58%	24%	36%	NO DATA
Vihiga	79	18%	45%	89%	73%	41%	48%	NO DATA
Wajir	99	40%	67%	67%	26%	16%	58%	NO DATA
West Pokot	79	15%	53%	71%	41%	15%	56%	NO DATA

**Table 21: Proportion of hospitals providing KEPH Services for minimizing exposure to health risk factors**

County	Total number of hospitals	% of facilities offering all services	Mean availability of services	% of primary care facilities providing specific KEPH Services for minimizing exposure to health risk factors				
				Health promotion including health education	Sexual education	Substance abuse	Micronutrient deficiency control	Physical activity
Baringo	7	14%	54%	100%	71%	57%	100%	NO DATA
Bomet	5	20%	50%	100%	100%	80%	80%	NO DATA
Bungoma	11	27%	41%	100%	91%	73%	82%	NO DATA
Busia	7	29%	68%	100%	86%	57%	100%	NO DATA
Elgeyo-Marakwet	9	33%	64%	89%	56%	0%	44%	NO DATA
Embu	8	13%	41%	100%	88%	63%	75%	NO DATA
Garissa	9	22%	58%	89%	67%	44%	78%	NO DATA
Homa Bay	13	54%	79%	100%	100%	62%	77%	NO DATA
Isiolo	3	50%	63%	50%	100%	100%	100%	NO DATA
Kajiado	30	10%	38%	52%	39%	23%	26%	NO DATA
Kakamega	16	44%	64%	94%	81%	50%	69%	NO DATA
Kericho	11	27%	64%	91%	64%	73%	73%	NO DATA
Kiambu	52	15%	43%	81%	62%	53%	58%	NO DATA
Kilifi	11	27%	43%	100%	82%	55%	64%	NO DATA
Kirinyaga	22	9%	35%	68%	55%	50%	36%	NO DATA
Kisii	18	44%	74%	94%	94%	67%	72%	NO DATA
Kisumu	17	71%	87%	100%	88%	59%	88%	NO DATA
Kitui	13	20%	53%	73%	80%	40%	87%	NO DATA
Kwale	4	33%	75%	100%	100%	33%	100%	NO DATA
Laikipia	4	75%	81%	75%	75%	75%	75%	NO DATA
Lamu	3	0%	33%	100%	33%	67%	33%	NO DATA
Machakos	8	14%	61%	86%	86%	71%	86%	NO DATA
Makueni	12	8%	44%	83%	58%	42%	83%	NO DATA
Mandera	5	20%	70%	80%	60%	40%	60%	NO DATA
Marsabit	4	0%	44%	75%	50%	25%	75%	NO DATA
Meru	25	22%	46%	74%	63%	37%	63%	NO DATA
Migori	13	31%	62%	100%	100%	62%	77%	NO DATA
Mombasa	15	13%	27%	69%	44%	31%	50%	NO DATA
Muranga	10	30%	48%	90%	60%	60%	80%	NO DATA
Nairobi	78	18%	35%	51%	36%	29%	26%	NO DATA
Nakuru	17	24%	65%	88%	76%	53%	59%	NO DATA
Nandi	5	60%	85%	100%	80%	60%	60%	NO DATA
Narok	7	29%	64%	86%	57%	43%	57%	NO DATA
Nyamira	8	38%	72%	100%	100%	75%	63%	NO DATA
Nyandarua	13	15%	42%	77%	54%	38%	31%	NO DATA
Nyeri	40	24%	45%	63%	56%	39%	34%	NO DATA
Samburu	4	67%	83%	100%	100%	100%	100%	NO DATA
Siaya	8	13%	50%	100%	88%	63%	88%	NO DATA
Taita Taveta	3	40%	45%	100%	60%	40%	80%	NO DATA
Tana River	3	50%	63%	50%	50%	0%	50%	NO DATA
Tharaka Nithi	7	38%	66%	75%	63%	38%	38%	NO DATA
Trans-Nzoia	6	0%	29%	100%	100%	67%	83%	NO DATA
Turkana	7	29%	46%	71%	71%	57%	43%	NO DATA
Uasin Gishu	12	31%	52%	92%	92%	62%	77%	NO DATA
Vihiga	8	13%	44%	88%	63%	50%	88%	NO DATA
Wajir	11	27%	66%	100%	55%	36%	73%	NO DATA
West Pokot	5	0%	45%	100%	60%	40%	100%	NO DATA

### 3.6 To strengthen collaboration with health related sectors

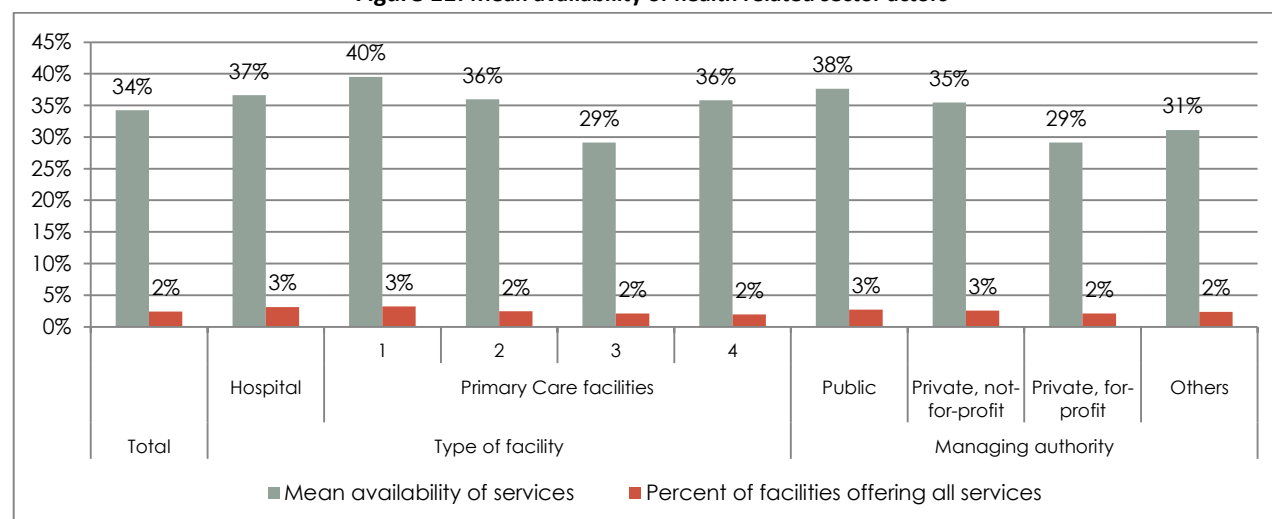
The mean availability of health related services in the area of responsibility of facilities is at 34% across all facilities, with availability higher at primary care facilities as compared to hospitals. Availability of services is higher amongst public facilities as compared to private facilities. On the other hand, only 2% of facilities are collaborating with ALL health related sectors in their areas of responsibility.

Looking at the specific services, initiatives to support safe water and sanitation/hygiene are most common, while transport and food fortification initiatives are least available for collaboration with facilities.

**Table 22: Summary National information on provision of KEPH Services**

Variable	Total	Type of facility					Managing authority			
		Hospital	Primary Care facilities				Public	Private, not-for-profit	Private, for-profit	Others
			1	2	3	4				
Total number of facilities	7995	607	1065	3676	2346	301	3978	1327	2538	152
Mean availability of services	34%	37%	40%	36%	29%	36%	38%	35%	29%	31%
Percent of facilities offering all services	2%	3%	3%	2%	2%	2%	3%	3%	2%	2%
Specific services										
Safe water	65%	75%	82%	73%	44%	67%	78%	68%	47%	47%
Sanitation and hygiene	67%	75%	84%	76%	44%	69%	81%	69%	47%	46%
Nutrition services	48%	65%	72%	58%	22%	49%	66%	50%	26%	30%
Pollution control	30%	48%	46%	34%	16%	35%	38%	35%	18%	29%
Housing	22%	41%	40%	26%	7%	26%	31%	29%	9%	15%
School health	36%	44%	58%	48%	9%	22%	55%	36%	10%	20%
Food fortification	10%	21%	19%	12%	3%	13%	16%	10%	4%	6%
Population management	18%	28%	29%	21%	8%	24%	26%	19%	9%	15%
Road infrastructure and transport	8%	21%	12%	10%	4%	14%	11%	12%	5%	7%

**Figure 11: Mean availability of health related sector actors**



KEY: 1 – Health Centre; 2 – Dispensaries; 3 – medical clinics/standalone VCT's; 4 - Others

Availability of services by County is shown in the proceeding two tables – for primary care facilities, and hospitals respectively.

**Table 23: Proportion of Primary Care Facilities with health related sector actors in their areas of responsibility**

County	Total number of primary Health facilities	% of facilities offering all services	Mean availability of services	% of primary care facilities with specific health related sectors offering services in their area of responsibility								
				Safe water	Sanitation and hygiene	Nutrition services	Pollution control	Housing	School health	Food fortification	Population management	Road infrastructure and transport
Baringo	162	2%	38%	78%	83%	75%	32%	20%	63%	6%	14%	12%
Bomet	106	1%	43%	84%	90%	49%	45%	38%	64%	26%	37%	30%
Bungoma	130	1%	33%	73%	78%	56%	33%	28%	51%	2%	25%	9%
Busia	73	1%	35%	88%	86%	58%	37%	30%	62%	22%	41%	14%
Elgeyo-Marakwet	107	2%	41%	74%	76%	24%	25%	25%	45%	14%	15%	6%
Embu	141	2%	34%	73%	71%	37%	25%	19%	29%	3%	8%	0%
Garissa	120	3%	39%	65%	73%	47%	38%	17%	38%	10%	19%	12%
Homa Bay	167	6%	46%	91%	89%	75%	57%	53%	64%	20%	55%	11%
Isiolo	38	0%	26%	78%	73%	73%	13%	15%	38%	3%	3%	0%
Kajiado	194	0%	33%	67%	69%	62%	38%	26%	39%	12%	27%	6%
Kakamega	213	1%	31%	79%	82%	57%	34%	21%	41%	9%	29%	10%
Kericho	163	2%	39%	79%	77%	57%	37%	37%	60%	23%	35%	20%
Kiambu	294	4%	31%	69%	69%	53%	31%	25%	29%	15%	17%	10%
Kilifi	188	1%	28%	55%	59%	39%	18%	12%	31%	5%	5%	4%
Kirinyaga	120	2%	32%	66%	61%	39%	25%	18%	39%	7%	19%	8%
Kisii	122	4%	49%	85%	78%	67%	49%	37%	49%	27%	36%	15%
Kisumu	137	3%	44%	85%	86%	72%	59%	42%	57%	30%	49%	18%
Kitui	300	2%	31%	70%	72%	57%	24%	12%	32%	9%	14%	6%
Kwale	91	1%	28%	77%	83%	76%	30%	21%	58%	27%	22%	1%
Laikipia	82	1%	38%	70%	74%	52%	28%	29%	49%	8%	9%	7%
Lamu	39	0%	29%	63%	65%	48%	15%	15%	48%	10%	8%	10%
Machakos	247	3%	32%	61%	62%	37%	23%	13%	19%	4%	8%	4%
Makueni	172	3%	27%	71%	76%	59%	36%	21%	44%	6%	15%	7%
Mandera	59	6%	43%	38%	44%	55%	22%	22%	22%	8%	9%	2%
Marsabit	85	0%	30%	61%	64%	71%	16%	10%	26%	3%	14%	3%
Meru	336	2%	30%	49%	47%	26%	22%	10%	18%	4%	7%	3%
Migori	156	4%	45%	86%	86%	61%	60%	43%	62%	27%	52%	21%
Mombasa	278	0%	30%	40%	38%	15%	12%	5%	9%	3%	4%	3%
Muranga	174	1%	31%	71%	71%	54%	37%	25%	32%	13%	25%	8%
Nairobi	790	4%	29%	47%	48%	32%	19%	12%	13%	6%	9%	5%
Nakuru	300	2%	37%	64%	66%	42%	33%	18%	32%	5%	15%	23%
Nandi	170	3%	38%	70%	69%	44%	32%	29%	47%	5%	16%	12%
Narok	122	2%	36%	65%	68%	50%	27%	36%	49%	16%	12%	5%
Nyamira	106	6%	50%	87%	90%	72%	65%	48%	60%	35%	52%	14%
Nyandarua	103	2%	23%	69%	67%	55%	46%	36%	50%	20%	22%	9%
Nyeri	205	5%	32%	59%	61%	41%	25%	18%	29%	7%	12%	7%
Samburu	67	1%	37%	74%	78%	66%	18%	25%	53%	3%	8%	0%
Siaya	147	2%	46%	89%	91%	73%	51%	39%	59%	19%	38%	15%
Taita Taveta	78	1%	31%	78%	75%	50%	14%	17%	42%	3%	5%	5%
Tana River	46	2%	27%	55%	64%	72%	9%	9%	28%	21%	15%	15%
Tharaka Nithi	109	3%	27%	55%	53%	45%	27%	16%	19%	13%	9%	4%
Trans-Nzoia	131	2%	26%	46%	50%	33%	29%	16%	33%	6%	22%	8%
Turkana	129	2%	42%	60%	74%	69%	32%	22%	44%	12%	13%	3%
Uasin Gishu	134	3%	36%	65%	71%	43%	32%	24%	46%	7%	16%	5%
Vihiga	79	0%	31%	82%	78%	57%	30%	30%	35%	6%	29%	8%
Wajir	99	5%	47%	43%	60%	57%	14%	15%	34%	4%	8%	5%
West Pokot	79	3%	39%	63%	65%	46%	19%	24%	40%	3%	0%	1%

**Table 24: Proportion of hospitals with health related sector actors in their areas of responsibility**

County	Total number of hospitals	% of facilities offering all services	Mean availability of services	% of hospitals with specific health related sectors offering services in their area of responsibility								
				Safe water	Sanitation and hygiene	Nutrition services	Pollution control	Housing	School health	Food fortification	Population management	Road infrastructure and transport
Baringo	7	0%	43%	100%	100%	100%	71%	57%	71%	14%	43%	14%
Bomet	5	0%	31%	100%	100%	100%	80%	100%	80%	80%	60%	40%
Bungoma	11	0%	34%	100%	100%	100%	73%	73%	91%	9%	82%	82%
Busia	7	0%	40%	100%	100%	100%	57%	86%	71%	0%	57%	29%
Elgeyo-Marakwet	9	0%	54%	89%	100%	89%	78%	67%	67%	22%	11%	11%
Embu	8	0%	19%	100%	100%	88%	38%	38%	38%	0%	13%	0%
Garissa	9	11%	52%	89%	100%	100%	67%	33%	56%	22%	44%	22%
Homa Bay	13	15%	58%	92%	100%	92%	100%	62%	85%	54%	69%	31%
Isiolo	3	0%	44%	100%	100%	100%	50%	100%	100%	0%	50%	0%
Kajiado	30	0%	26%	35%	39%	32%	19%	13%	19%	6%	13%	6%
Kakamega	16	6%	47%	88%	81%	75%	44%	50%	56%	31%	56%	6%
Kericho	11	18%	60%	100%	100%	91%	82%	91%	64%	27%	55%	55%
Kiambu	52	2%	28%	74%	75%	60%	43%	36%	30%	21%	21%	19%
Kilifi	11	0%	26%	100%	91%	55%	0%	27%	36%	0%	0%	27%
Kirinyaga	22	0%	25%	45%	41%	32%	18%	18%	27%	14%	14%	14%
Kisii	18	6%	54%	100%	100%	67%	78%	72%	67%	39%	61%	56%
Kisumu	17	0%	65%	100%	100%	100%	82%	71%	59%	59%	53%	41%
Kitui	13	0%	30%	93%	93%	87%	60%	40%	67%	40%	53%	33%
Kwale	4	0%	52%	100%	67%	100%	67%	100%	67%	100%	100%	33%
Laikipia	4	0%	53%	75%	75%	75%	50%	50%	50%	0%	0%	25%
Lamu	3	0%	30%	67%	100%	100%	0%	33%	67%	0%	0%	0%
Machakos	8	14%	40%	100%	100%	86%	86%	71%	29%	43%	43%	14%
Makueni	12	0%	42%	92%	92%	83%	83%	50%	67%	17%	50%	33%
Mandera	5	0%	78%	80%	80%	100%	40%	60%	60%	20%	20%	40%
Marsabit	4	0%	19%	75%	75%	100%	25%	25%	50%	25%	25%	0%
Meru	25	0%	31%	74%	78%	56%	59%	41%	52%	15%	26%	7%
Migori	13	0%	47%	100%	100%	77%	85%	77%	85%	69%	85%	62%
Mombasa	15	0%	22%	69%	63%	63%	44%	19%	25%	25%	6%	6%
Muranga	10	0%	44%	70%	90%	70%	40%	50%	50%	30%	10%	10%
Nairobi	78	4%	25%	43%	45%	33%	20%	13%	20%	5%	8%	7%
Nakuru	17	0%	46%	94%	94%	82%	53%	53%	59%	29%	24%	41%
Nandi	5	0%	58%	100%	100%	100%	60%	80%	40%	0%	60%	40%
Narok	7	14%	49%	100%	86%	86%	57%	43%	57%	14%	14%	14%
Nyamira	8	25%	65%	100%	88%	75%	88%	63%	75%	50%	75%	25%
Nyandarua	13	0%	21%	54%	54%	38%	31%	23%	15%	8%	8%	15%
Nyeri	40	5%	30%	49%	51%	37%	20%	12%	17%	5%	5%	5%
Samburu	4	0%	41%	100%	100%	100%	100%	67%	67%	33%	0%	0%
Siaya	8	0%	51%	100%	88%	100%	88%	88%	50%	25%	75%	88%
Taita Taveta	3	0%	31%	80%	100%	80%	20%	40%	40%	40%	0%	0%
Tana River	3	0%	44%	100%	50%	50%	50%	0%	100%	0%	0%	0%
Tharaka Nithi	7	13%	50%	63%	63%	63%	38%	25%	13%	13%	13%	13%
Trans-Nzoia	6	0%	24%	100%	100%	100%	83%	67%	67%	17%	67%	33%
Turkana	7	0%	43%	86%	86%	86%	71%	57%	71%	43%	0%	14%
Uasin Gishu	12	0%	30%	92%	92%	77%	69%	31%	46%	23%	38%	31%
Vihiga	8	0%	18%	88%	75%	63%	75%	50%	63%	50%	38%	38%
Wajir	11	0%	52%	73%	91%	91%	18%	18%	45%	9%	0%	0%
West Pokot	5	0%	53%	100%	100%	80%	60%	100%	80%	20%	20%	60%

## CAPACITY TO PROVIDE HEALTH SERVICES

04



## 4. CAPACITY TO PROVIDE HEALTH SERVICES

Capacity to provide health services looked at availability of critical inputs required to provide health services. The SARAM provides four areas around which capacity to provide health services was captured.

- (i) Physical Health facility availability: Physical availability of health facilities across the Country
- (ii) Health Infrastructure availability: Availability and functionality of critical physical infrastructure, equipment, transport and ICT across the Country
- (iii) Health Workforce availability: Availability of different health worker cadres and skills across the Country
- (iv) Health Products availability: Availability of critical health products across the Country

### 4.1 Physical health facility availability

The health services must be physically accessible for the population to benefit from the services offered. Different Counties have different numbers of facilities. The total numbers of facilities in each County are shown below.

**Table 25: Numbers of Health facilities per County**

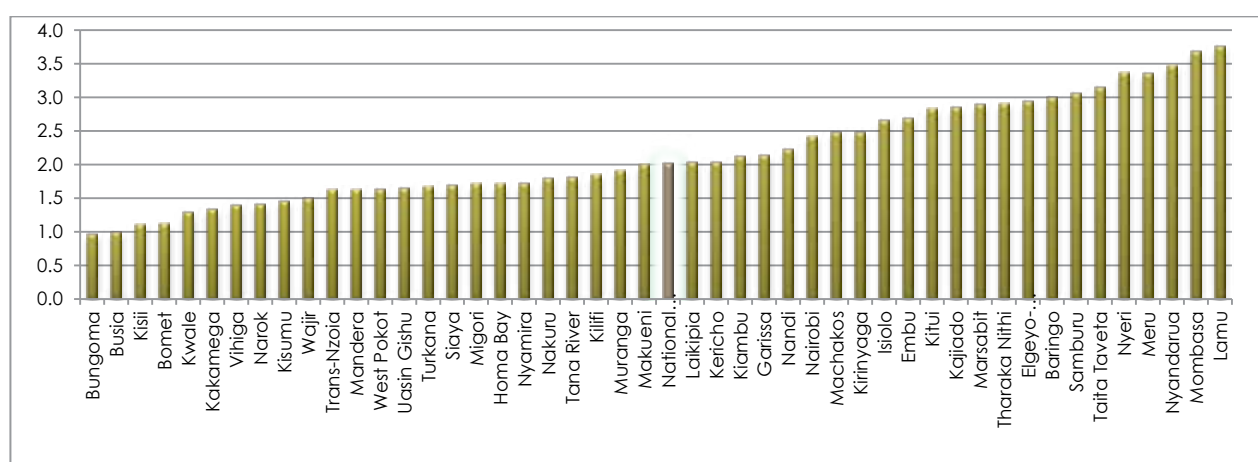
Sno	County	Population estimates	Number of Facilities	% of facilities		Sno	County	Population estimates	Number of Facilities	% of facilities
1	Baringo	625,904	169	2.1%		25	Marsabit	319,706	89	1.1%
2	Bomet	1,008,485	111	1.4%		26	Meru	1,460,546	361	4.5%
3	Bungoma	1,527,632	141	1.8%		27	Migori	1,012,113	169	2.1%
4	Busia	824,392	80	1.0%		28	Mombasa	1,005,892	293	3.7%
5	Elgeyo-Marakwet	415,959	116	1.5%		29	Muranga	956,823	184	2.3%
6	Embu	554,583	149	1.9%		30	Nairobi	3,608,362	868	10.9%
7	Garissa	618,868	129	1.6%		31	Nakuru	1,812,902	317	4.0%
8	Homa Bay	1,058,610	180	2.3%		32	Nandi	849,793	175	2.2%
9	Isiolo	157,269	41	0.5%		33	Narok	950,057	129	1.6%
10	Kajiado	788,422	224	2.8%		34	Nyamira	700,597	114	1.4%
11	Kakamega	1,865,958	229	2.9%		35	Nyandarua	332,987	116	1.5%
12	Kericho	850,983	174	2.2%		36	Nyeri	746,694	245	3.1%
13	Kiambu	1,651,014	346	4.3%		37	Samburu	250,478	71	0.9%
14	Kilifi	1,244,420	199	2.5%		38	Siaya	929,402	155	1.9%
15	Kirinyaga	569,871	142	1.8%		39	TaitaTaveta	256,340	81	1.0%
16	Kisii	1,268,693	140	1.8%		40	Tana River	269,164	49	0.6%
17	Kisumu	1,059,733	154	1.9%		41	TharakaNithi	401,442	116	1.5%
18	Kitui	1,136,087	313	3.9%		42	Trans-Nzoia	868,593	137	1.7%
19	Kwale	728,880	95	1.2%		43	Turkana	911,770	136	1.7%
20	Laikipia	454,887	86	1.1%		44	UasinGishu	1,018,651	146	1.8%
21	Lamu	113,845	42	0.5%		45	Vihiga	615,897	87	1.1%
22	Machakos	1,200,556	255	3.2%		46	Wajir	750,933	110	1.4%
23	Makueni	961,155	184	2.3%		47	West Pokot	582,733	84	1.1%
24	Mandera	424,044	64	0.8%			NATIONAL AVERAGE	43,726,652	7995	
	Managing authority						Facility type			
	Public		3978	49.8%			Hospital		607	7.6%
	Private, not-for-profit		1327	16.6%			Health centre		1064	13.3%
	Private, for-profit		2538	31.7%			Dispensary		3676	46.0%
	Others		152	1.9%			Medical clinic/ Stand-alone VCT		2346	29.3%
	Urban/Rural						Maternity/ Nursing home		301	3.8%
	Urban		2,834	33.7%						
	Rural		5,567	66.3%						

SARAMKenya identified a total of 8,401 health facilities, with Nairobi having the highest number of facilities (875) which was 10.4% of the total facilities, while Isiolo had the least number of health facilities (42) which constituted 0.5% of the total health facilities. 49% of all the health facilities in the Country are public, 16%

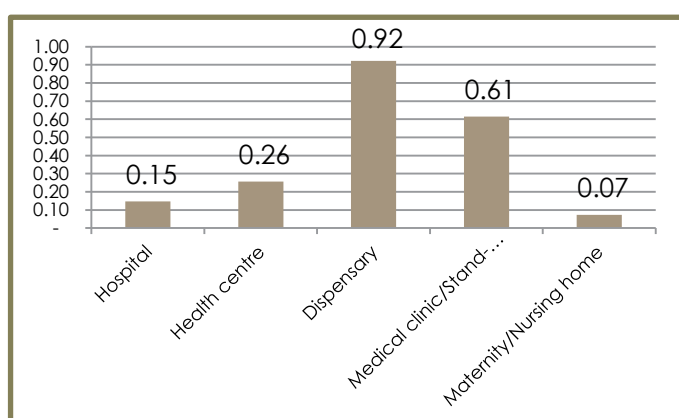
are private not-for-profit and 33% are private for-profit. Of the the total health facilities, 66% were from rural areas and urban health facilities constituted 34%. Hospitals constituted 7%, Health Centres 13%, dispensaries making the largest proportion, at 46% of all facilities, private clinics 31% while Maternity and nursing homes 4% with 66% of the facilities rural based.

Health facility density per 10,000 populations by County is shown in figure 12 below. Bungoma had the lowest facility density of less than 1 facility per 10,000 persons, while Mombasa had the highest health facilities density of over 3.5 per 10, 000 population. The national average facility density was 2.04 facilities per 10,000 persons. The facility density by type was dispensaries with 0.93, private clinics 0.62, hospitals 0.15 and health centres 0.26 in that order per 10,000 populations. Public health facilities had the highest density of 0.99 or 1, Private not-for profit 0.33 and private for- profit 0.67 per 10,000 persons.

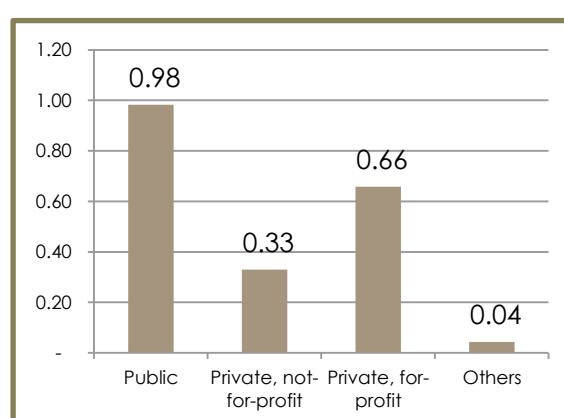
**Figure 12: County Health Facility density, per 10,000 populations**



**Facility density by type of facility**



**Facility density, by ownership**



On County specific facilities, there is widerdisperities in types of facilities across the Country. However, most Counties had dispensaries (46%) as the most common facilities. See table 26 for details. On the other hand, ownership of facilities also varies significantly across counties with Mombasa 69% and Nairobi 66%.

The two counties had the highest concentration of private for-profit and Bomet and Tana River having the highest concentration of public facilities with 85% and 82% respectively. Kirinyaga, Kiambu and Isiolo counties had the highest concentration of private not-for-profit facilities thus 26%, 25% and 24%

respectively. The distribution of health facilities type and ownership by county is shown in tables 26 and 27 below.

**Table 26: County Health facility numbers, by type of facility**

County	Total Health Facilities	Facility type					% of total facilities				
		Hospital	Primary Care facilities				Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity /Nursing home
			Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/Nursing home					
Baringo	169	7	22	126	14	0	4%	13%	75%	8%	0%
Bomet	111	5	14	89	3	0	5%	13%	80%	3%	0%
Bungoma	141	11	20	79	26	5	8%	14%	56%	18%	4%
Busia	80	7	15	47	8	3	9%	19%	59%	10%	4%
Elgeyo-Marakwet	116	9	20	84	3	0	8%	17%	72%	3%	0%
Embu	149	8	12	77	50	2	5%	8%	52%	34%	1%
Garissa	129	9	23	39	52	6	7%	18%	30%	40%	5%
Homa Bay	180	13	40	99	23	5	7%	22%	55%	13%	3%
Isiolo	41	3	6	26	5	1	7%	15%	63%	12%	2%
Kajiado	224	30	31	79	70	14	13%	14%	35%	31%	6%
Kakamega	229	16	37	96	67	13	7%	16%	42%	29%	6%
Kericho	174	11	12	133	16	2	6%	7%	76%	9%	1%
Kiambu	346	52	40	140	84	30	15%	12%	40%	24%	9%
Kilifi	199	11	15	80	89	4	6%	8%	40%	45%	2%
Kirinyaga	142	22	11	61	39	9	15%	8%	43%	27%	6%
Kisii	140	18	31	68	17	6	13%	22%	49%	12%	4%
Kisumu	154	17	34	70	21	12	11%	22%	45%	14%	8%
Kitui	313	13	36	207	51	6	4%	12%	66%	16%	2%
Kwale	95	4	9	56	23	3	4%	9%	59%	24%	3%
Laikipia	86	4	9	56	15	2	5%	10%	65%	17%	2%
Lamu	42	3	4	22	11	2	7%	10%	52%	26%	5%
Machakos	255	8	31	117	94	5	3%	12%	46%	37%	2%
Makueni	184	12	23	108	35	6	7%	13%	59%	19%	3%
Mandera	64	5	19	22	13	5	8%	30%	34%	20%	8%
Marsabit	89	4	15	49	15	6	4%	17%	55%	17%	7%
Meru	361	25	30	114	182	10	7%	8%	32%	50%	3%
Migori	169	13	27	93	26	10	8%	16%	55%	15%	6%
Mombasa	293	15	20	49	196	13	5%	7%	17%	67%	4%
Muranga	184	10	17	117	36	4	5%	9%	64%	20%	2%
Nairobi	868	78	94	116	524	56	9%	11%	13%	60%	6%
Nakuru	317	17	45	135	102	18	5%	14%	43%	32%	6%
Nandi	175	5	19	130	20	1	3%	11%	74%	11%	1%
Narok	129	7	25	86	9	2	5%	19%	67%	7%	2%
Nyamira	114	8	39	42	18	7	7%	34%	37%	16%	6%
Nyandarua	116	13	20	50	32	1	11%	17%	43%	28%	1%
Nyeri	245	40	20	90	90	5	16%	8%	37%	37%	2%
Samburu	71	4	6	51	9	1	6%	8%	72%	13%	1%
Siaya	155	8	37	90	15	5	5%	24%	58%	10%	3%
Taita Taveta	81	3	16	40	18	4	4%	20%	49%	22%	5%
Tana River	49	3	4	40	2	0	6%	8%	82%	4%	0%
Tharaka Nithi	116	7	11	70	28	0	6%	9%	60%	24%	0%
Trans-Nzoia	137	6	12	43	70	6	4%	9%	31%	51%	4%
Turkana	136	7	18	92	18	1	5%	13%	68%	13%	1%
Uasin Gishu	146	12	23	80	28	3	8%	16%	55%	19%	2%
Vihiga	87	8	18	26	32	3	9%	21%	30%	37%	3%
Wajir	110	11	27	37	31	4	10%	25%	34%	28%	4%
West Pokot	84	5	8	55	16	0	6%	10%	65%	19%	0%
Kenya	7995	607	1065	3676	2346	301	8%	13%	46%	29%	4%

**Table 27: County Health facility numbers, by ownership**

County	Total Health Facilities	Number of Facilities				% of total numbers of facilities			
		Public	Private, not-for-profit	Private, for-profit	Others	Public	Private, not-for-profit	Private, for-profit	Others
Baringo	169	138	17	13	1	81.7%	10.1%	7.7%	0.6%
Bomet	111	95	12	3	1	85.6%	10.8%	2.7%	0.9%
Bungoma	141	91	20	24	6	64.5%	14.2%	17.0%	4.3%
Busia	80	58	15	6	1	72.5%	18.8%	7.5%	1.3%
Elgeyo-Marakwet	116	99	13	4	0	85.3%	11.2%	3.4%	0.0%
Embu	149	76	32	41	0	51.0%	21.5%	27.5%	0.0%
Garissa	129	69	6	53	1	53.5%	4.7%	41.1%	0.8%
Homa Bay	180	121	42	13	4	67.2%	23.3%	7.2%	2.2%
Isiolo	41	26	9	5	1	63.4%	22.0%	12.2%	2.4%
Kajiado	224	78	40	102	4	34.8%	17.9%	45.5%	1.8%
Kakamega	229	120	35	69	5	52.4%	15.3%	30.1%	2.2%
Kericho	174	132	24	15	3	75.9%	13.8%	8.6%	1.7%
Kiambu	346	88	87	169	2	25.4%	25.1%	48.8%	0.6%
Kilifi	199	87	23	82	7	43.7%	11.6%	41.2%	3.5%
Kirinyaga	142	50	37	55	0	35.2%	26.1%	38.7%	0.0%
Kisii	140	100	21	17	2	71.4%	15.0%	12.1%	1.4%
Kisumu	154	89	37	21	7	57.8%	24.0%	13.6%	4.5%
Kitui	313	233	25	52	3	74.4%	8.0%	16.6%	1.0%
Kwale	95	62	10	22	1	65.3%	10.5%	23.2%	1.1%
Laikipia	86	54	16	13	3	62.8%	18.6%	15.1%	3.5%
Lamu	42	24	5	13	0	57.1%	11.9%	31.0%	0.0%
Machakos	255	128	35	90	2	50.2%	13.7%	35.3%	0.8%
Makueni	184	115	30	38	1	62.5%	16.3%	20.7%	0.5%
Mandera	64	44	1	18	1	68.8%	1.6%	28.1%	1.6%
Marsabit	89	55	14	19	1	61.8%	15.7%	21.3%	1.1%
Meru	361	113	52	193	3	31.3%	14.4%	53.5%	0.8%
Migori	169	108	36	24	1	63.9%	21.3%	14.2%	0.6%
Mombasa	293	48	38	190	17	16.4%	13.0%	64.8%	5.8%
Muranga	184	106	33	43	2	57.6%	17.9%	23.4%	1.1%
Nairobi	868	98	161	571	38	11.3%	18.5%	65.8%	4.4%
Nakuru	317	126	80	101	10	39.7%	25.2%	31.9%	3.2%
Nandi	175	116	32	23	4	66.3%	18.3%	13.1%	2.3%
Narok	129	84	33	9	3	65.1%	25.6%	7.0%	2.3%
Nyamira	114	69	25	20	0	60.5%	21.9%	17.5%	0.0%
Nyandarua	116	59	17	40	0	50.9%	14.7%	34.5%	0.0%
Nyeri	245	101	25	117	2	41.2%	10.2%	47.8%	0.8%
Samburu	71	45	15	10	1	63.4%	21.1%	14.1%	1.4%
Siaya	155	118	22	11	4	76.1%	14.2%	7.1%	2.6%
Taita Taveta	81	55	6	18	2	67.9%	7.4%	22.2%	2.5%
Tana River	49	40	5	4	0	81.6%	10.2%	8.2%	0.0%
Tharaka Nithi	116	57	26	29	4	49.1%	22.4%	25.0%	3.4%
Trans-Nzoia	137	52	22	62	1	38.0%	16.1%	45.3%	0.7%
Turkana	136	94	27	15	0	69.1%	19.9%	11.0%	0.0%
Uasin Gishu	146	90	26	29	1	61.6%	17.8%	19.9%	0.7%
Vihiga	87	44	16	25	2	50.6%	18.4%	28.7%	2.3%
Wajir	110	73	5	32	0	66.4%	4.5%	29.1%	0.0%
West Pokot	84	50	19	15	0	59.5%	22.6%	17.9%	0.0%
Kenya	7995	3978	1327	2538	152	49.8%	16.6%	31.7%	1.9%

## 4.2 Physical infrastructure availability

Physical infrastructure is required, for actual provision of health services. This takes different forms. Depending on the type of facility. The physical infrastructure captured here is shown in the table below.

**Table 28: Physical infrastructure assessed, at primary care and hospital levels**

Form of stand alone physical infrastructure	Level of care at which infrastructure presence was assessed	
	<i>Primary Care</i>	<i>Hospital</i>
Out patients department	✓	✓
Casualty department		✓
Maternal and Child Health Unit	✓	✓
Maternity Unit	✓	✓
In patient Unit		✓
Administration unit	✓	✓
Diagnostics and investigation Unit		✓
Medical Support Services (Intensive Care Unit, Physical Therapy Unit, mortuary, and maintenance workshop)		✓
Support Unit		✓

The presence of this physical infrastructure in facilities by County, are shown in the proceeding tables.

Table 29: County specific availability of OPD infrastructure for primary health facilities

	Number of primary Health facilities	Available numbers of infrastructure in primary facilities having different OPD																	Appropriately designed disability access	
		waiting room	consultation rooms	Registration room	injection rooms	plaster room	minor theatre	dental unit	ENT services room	laboratory Unit	Outpatient Pharmacies	Psychiatric Clinic room	Ophthalmology Unit	Trauma and Emergency Department	Revenue Office	OPD Registry Room	Specialized Clinic Unit	Dressing room		Nursing station
Baringo	162	85	163	54	109	65	5	2	1	33	67	0	0	1	10	12	1	20	6	0
Bomet	106	75	104	30	73	53	1	1	0	32	54	1	0	0	12	12	3	17	2	1
Bungoma	130	107	130	75	85	76	12	3	3	78	77	5	4	6	11	13	4	24	10	9
Busia	73	52	83	47	55	47	17	1	3	42	49	3	0	1	6	13	1	21	9	9
Elgeyo Marakwet	107	48	90	51	60	48	1	1	1	22	50	0	1	1	12	24	0	28	9	3
Embu	141	125	162	54	60	63	9	9	4	77	63	3	3	2	14	15	9	44	13	3
Garissa	120	97	105	36	73	64	8	6	4	64	64	4	1	6	12	15	4	28	21	0
Homa Bay	167	146	188	102	99	101	31	5	7	74	101	8	1	5	34	42	16	37	27	17
Isiolo	38	37	38	22	17	20	0	3	0	18	21	0	0	0	4	8	0	10	9	1
Kajiado	194	175	222	119	127	97	17	14	14	84	102	11	5	6	36	62	21	94	45	19
Kakamega	213	135	209	125	142	104	11	7	7	104	104	7	2	6	18	36	5	46	37	14
Kericho	163	127	157	60	104	99	4	3	8	55	98	3	0	5	16	25	7	49	20	8
Kiambu	294	274	332	185	159	138	20	25	8	143	140	16	5	18	51	69	28	125	72	38
Kilifi	188	159	222	109	114	100	17	4	3	86	108	4	0	4	12	28	9	76	33	9
Kirinyaga	120	96	107	61	62	56	7	6	4	68	59	11	2	0	23	23	5	47	20	8
Kisii	122	110	121	79	88	72	15	4	5	70	74	5	1	8	33	37	13	43	28	6
Kisumu	137	123	172	103	96	83	20	4	5	64	86	9	1	12	42	59	24	44	53	24
Kitui	300	235	313	169	161	136	14	11	9	105	136	3	1	3	28	59	11	100	36	10
Kwale	91	81	101	52	45	63	2	1	0	46	66	2	0	1	6	21	8	33	12	6
Lakipia	82	74	89	48	65	47	11	5	4	32	47	3	1	1	12	20	4	43	16	8
Lamu	39	24	39	14	28	24	3	3	2	12	24	3	0	0	1	5	1	18	7	2
Machakos	247	195	289	162	152	123	15	7	9	115	123	2	0	5	15	53	10	99	37	14
Makueni	172	124	177	108	100	94	8	6	3	79	98	4	1	3	19	39	8	62	35	8
Mandera	59	47	55	33	32	22	9	2	5	16	23	5	3	2	4	9	4	13	8	2
Marsabit	85	40	75	21	51	23	8	1	0	22	23	1	3	3	9	7	2	14	7	0
Meru	336	291	344	147	178	141	18	15	1	143	143	8	2	4	32	33	9	96	41	6
Migori	156	122	164	104	108	68	22	4	3	66	68	3	4	5	19	37	11	30	32	24
Mombasa	278	267	324	197	148	91	19	11	5	119	95	9	3	2	29	57	13	90	47	11
Muranga	174	168	194	112	109	90	4	5	8	97	93	8	2	4	18	47	10	69	22	11
Nairobi	790	816	1083	590	506	318	96	112	63	311	335	47	24	44	112	177	103	261	205	87
Nakuru	300	266	339	175	177	161	22	10	11	155	167	8	4	8	51	66	21	105	57	16
Nandi	170	106	164	84	109	95	8	4	2	66	97	4	0	4	17	15	6	48	15	3
Narok	122	96	136	70	78	65	12	8	4	46	68	5	4	7	17	27	9	26	24	12
Nyamira	106	86	112	60	71	57	7	6	4	38	57	6	1	4	11	26	5	34	22	17
Nyandarua	103	114	120	71	72	65	5	7	3	55	68	7	1	7	19	33	11	52	29	10
Nyeri	205	184	204	135	110	94	11	13	10	95	89	9	6	4	37	33	17	68	29	19
Samburu	67	47	61	27	33	21	1	1	1	13	22	0	5	0	8	4	4	13	5	3
Siaya	147	110	182	103	105	87	19	4	7	69	88	8	1	10	40	55	23	54	36	18
Taita Taveta	78	59	84	36	48	54	2	3	0	44	55	4	0	0	7	6	3	33	2	10
Tana River	46	26	48	17	33	22	0	0	0	9	24	0	0	2	6	3	0	15	12	0
Tharaka Nithi	109	91	109	45	71	44	5	2	4	68	46	4	1	1	6	12	4	31	14	9
Trans Nzoia	131	115	137	72	75	61	12	7	5	65	63	3	0	3	23	26	9	43	11	26
Turkana	129	79	86	51	54	37	2	1	3	12	40	1	2	0	8	23	1	15	8	5
Uasin Gishu	134	116	171	104	93	76	20	3	3	64	80	9	0	3	21	44	4	42	28	27
Vihiga	79	60	77	43	55	40	5	1	1	31	40	2	1	0	5	15	6	17	10	3
Wajir	99	51	85	18	43	32	5	4	6	29	33	6	4	5	6	16	5	19	9	3
West Pokot	79	40	68	19	60	27	1	1	0	32	28	0	0	0	4	6	0	4	6	1
Kenya	7388	6101	8035	4199	4493	3564	561	356	253	3155	3656	264	100	216	936	1467	472	2300	1236	540

**Table 30: County specific availability of OPD infrastructure for Hospital facilities**

	Total number of hospitals	Available numbers of infrastructure in hospitals OPD														Appropriately designed disability access				
		waiting room	consultation rooms	Registration room	injection rooms	plaster room	minor theatre	dental unit	ENT services room	laboratory Unit	Outpatient Pharmacies	Psychiatric Clinic room	Ophthalmology Unit	Trauma and Emergency Department	Revenue Office	OPD Registry Room	Specialized Clinic Unit	Dressing room	Nursing station	Appropriately designed disability access
Baringo	7	6	14	6	7	6	4	5	2	6	6	1	4	2	6	6	12	5	4	4
Bomet	5	7	15	5	4	6	1	5	4	10	6	1	2	2	8	5	15	3	3	6
Bungoma	11	13	24	11	10	12	8	4	2	11	12	3	4	2	6	4	4	4	7	4
Busia	7	11	24	9	8	10	4	2	1	7	10	1	1	1	7	4	9	3	11	3
Elgeyo Marakwet	9	7	20	11	8	8	4	4	1	7	8	3	2	1	7	5	2	5	5	4
Embu	8	10	16	7	8	9	5	6	2	10	9	2	3	2	10	4	8	8	7	1
Garissa	9	12	17	6	6	8	3	7	3	8	8	2	2	2	6	5	8	3	2	3
Homa Bay	13	16	24	10	11	13	7	3	3	13	13	3	2	1	10	8	11	8	6	4
Isiolo	3	7	7	2	2	2	1	2	1	3	2	1	1	0	1	1	3	1	1	0
Kaliado	30	39	53	31	28	18	12	8	3	18	19	4	4	3	12	13	12	15	11	7
Kakamega	16	34	45	14	15	14	6	5	4	13	14	5	1	5	15	8	5	9	6	4
Kericho	11	16	33	11	11	11	8	3	3	10	11	3	3	3	13	10	6	12	14	0
Kiambu	52	67	82	34	31	25	16	17	9	27	26	8	10	7	18	18	21	23	23	15
Kilifi	11	32	25	11	11	11	7	5	3	11	12	2	4	6	10	8	13	9	7	3
Kirinyaga	22	22	31	13	10	6	5	4	3	14	8	5	4	4	6	5	3	8	6	3
Kisii	18	26	39	20	19	18	7	5	3	19	18	5	3	7	20	14	12	22	17	10
Kisumu	17	42	55	19	15	16	8	6	3	18	17	4	4	9	13	15	12	12	14	12
Kitui	13	10	26	12	12	14	5	4	1	13	15	1	0	0	8	9	6	10	8	3
Kwale	4	4	12	2	2	2	2	3	0	2	2	0	0	1	3	2	4	1	1	0
Lakipla	4	6	9	2	4	4	2	2	1	4	4	1	1	2	3	2	2	3	3	1
Lamu	3	2	8	2	3	3	1	2	0	2	3	1	1	0	2	2	4	2	4	0
machakos	8	16	31	11	10	7	5	6	3	7	7	5	3	1	6	5	10	10	10	7
makueni	12	15	23	13	11	15	4	5	1	10	15	1	1	1	6	9	9	8	9	4
Mandera	5	11	15	7	6	4	4	3	2	5	5	1	1	4	3	3	4	4	5	7
marasabit	4	4	11	7	4	4	1	4	0	3	4	1	1	0	2	4	1	2	1	0
Meru	25	35	76	27	20	21	9	12	6	26	21	1	3	2	25	9	5	12	7	10
Migori	13	15	20	14	14	13	8	4	1	14	13	3	1	4	13	10	6	12	11	9
Mombasa	15	47	93	26	16	15	12	15	7	13	15	8	3	10	11	10	23	13	11	8
Muranga	10	13	27	13	10	10	4	6	3	10	10	3	1	3	7	8	7	9	8	1
Nairobi	78	164	153	81	66	56	26	39	16	45	40	14	17	20	33	34	124	47	47	14
Nakuru	17	39	64	21	17	16	10	14	4	16	16	7	4	7	13	12	14	13	17	7
Nandi	5	7	13	5	4	5	2	3	2	10	5	0	1	0	5	2	2	2	1	3
Narok	7	11	14	8	7	5	3	4	0	8	5	2	2	2	6	2	2	3	8	1
Nyamira	8	9	10	6	7	8	2	1	1	7	8	1	0	1	8	6	3	5	3	2
Nyandarua	13	14	38	11	10	7	7	4	2	8	7	2	3	2	6	5	8	4	2	2
Nyeri	40	46	62	22	20	16	7	10	4	16	16	4	4	3	16	9	17	15	7	11
Samburu	4	4	8	3	3	3	0	2	1	2	3	0	1	0	2	1	1	2	1	1
Siaya	8	7	13	9	6	7	2	3	2	7	7	1	1	3	7	6	3	3	5	3
Taita Taveta	3	7	8	3	3	3	2	2	0	3	3	1	1	0	3	2	1	2	0	2
Tana River	3	2	5	3	3	3	1	1	0	1	3	0	0	0	2	1	0	0	4	0
Tharaka Nithi	7	6	17	4	6	7	4	3	1	7	7	2	1	1	10	4	6	5	8	6
Trans Nzola	6	10	10	4	4	5	4	3	1	4	5	1	1	0	7	5	6	4	6	3
Turkana	7	12	16	7	7	7	4	1	1	4	7	2	2	0	3	4	3	4	4	6
Uasi Gishu	12	19	73	11	12	11	10	4	4	10	11	3	3	5	11	10	10	8	7	5
Vihiga	8	8	18	9	8	8	4	3	1	6	8	0	1	1	5	3	2	7	7	3
Wajir	11	8	14	4	10	7	2	3	1	7	7	1	1	1	5	1	2	3	5	1
West Pokot	5	5	8	4	6	5	2	1	1	5	5	0	1	0	5	3	3	8	1	0
Kenya	607	923	1419	570	516	484	255	258	117	480	476	120	114	131	404	316	444	371	355	203

**Table 31: County specific availability of Casualty unit infrastructure in hospitals**

	Total number of hospitals	Available infrastructure in hospitals having casualty						
		Causality Unit with beds	Waiting Room of patients	Consultation Rooms	Injection Rooms	Dressing room	Nursing station	Appropriately designed disability access
Baringo	7	1	2	4	4	2	2	1
Bomet	5	3	4	5	5	3	2	4
Bungoma	11	1	1	5	5	2	1	2
Busia	7	0	1	3	3	1	1	0
Elgeyo Marakwet	9	0	1	2	2	1	1	2
Embu	8	0	2	3	3	1	1	1
Garissa	9	9	3	4	4	2	2	2
Homa Bay	13	0	4	8	7	3	2	2
Isiolo	3	1	1	1	1	1	1	0
Kajiado	30	6	7	10	10	5	6	3
Kakamega	16	1	0	3	3	1	1	1
Kericho	11	3	2	3	3	3	3	0
Kiambu	52	15	8	16	16	7	7	4
Kilifi	11	4	3	5	5	4	3	3
Kirinyaga	22	3	2	3	3	2	0	0
Kisii	18	9	6	9	9	4	8	3
Kisumu	17	10	7	8	8	4	5	5
Kitui	13	0	1	3	3	1	1	1
Kwale	4	3	2	4	4	2	2	0
Laikipia	4	3	1	1	1	1	0	0
Lamu	3	0	0	0	0	0	0	0
machakos	8	2	2	6	6	3	3	2
makueni	12	1	1	0	0	1	0	1
Mandera	5	0	5	4	1	2	2	0
marsabit	4	0	1	2	1	1	0	0
Meru	25	4	6	18	18	3	1	3
Migori	13	5	2	4	4	4	5	2
Mombasa	15	26	12	22	22	15	11	6
Muranga	10	5	5	4	4	4	4	2
Nairobi	78	35	27	45	39	21	18	11
Nakuru	17	4	7	7	7	5	5	3
Nandi	5	0	0	0	0	0	0	0
Narok	7	1	2	2	2	1	1	1
Nyamira	8	14	2	1	1	1	1	1
Nyandarua	13	3	2	2	2	3	2	2
Nyeri	40	5	3	1	1	2	1	1
Samburu	4	0	0	0	0	0	0	0
Siaya	8	0	0	4	4	2	1	1
Taita Taveta	3	1	1	0	0	0	1	1
Tana River	3	0	0	0	0	0	0	0
Tharaka Nithi	7	1	0	0	0	0	0	1
Trans Nzoia	6	0	0	0	0	0	0	0
Turkana	7	3	2	3	3	2	2	0
Uasi Gishu	12	10	2	6	6	4	1	2
Vihiga	8	2	1	3	3	1	1	1
Wajir	11	0	1	1	1	1	1	0
West Pokot	5	0	0	0	0	0	0	0
Kenya	607	194	142	235	224	126	110	75

**Table 32: County specific availability of MCH/FP infrastructure in primary care facilities**

	No. of Primary Health facilities	Available infrastructure for primary facilities in MCH / FP											Appropriately designed disability access				
		Immunization and Growth Monitoring Rooms	FP Coordinati on Room	Antenatal Consultation Room	Waiting Bay/Room	Records Office	Central Administration Room	Abution Room	Consultation Room For Sick Under 5's	ORT Room	PMCT Room	GBV Services Room	Laboratory Room	Dressing room	Nursing station	Appropriately designed disability access	
Baringo	162	115	32	43	43	2	2	11	5	1	12	2	10	3	0	0	0
Bomet	106	91	42	70	53	7	0	3	2	6	19	0	7	7	2	0	0
Bungoma	130	82	26	41	38	1	3	3	1	18	12	0	9	3	1	5	5
Busia	73	50	27	28	27	0	4	3	3	11	5	0	3	1	1	1	1
Elgeyo Marakwet	107	54	27	35	22	6	3	4	1	9	8	1	7	7	6	3	3
Embu	141	86	50	56	59	6	5	1	16	11	15	2	16	7	8	3	3
Garissa	120	46	33	33	31	7	6	9	7	9	5	1	16	8	7	3	3
Homa Bay	167	112	63	73	73	26	19	30	19	48	47	5	17	14	10	7	7
Isiolo	38	29	13	13	13	7	4	6	4	7	9	0	5	4	2	0	0
Kajiado	194	96	56	65	72	27	17	19	17	25	29	4	28	20	13	8	8
Kakamega	213	117	61	87	77	13	10	22	16	37	30	3	15	13	5	3	3
Kericho	163	117	59	72	62	9	10	9	6	12	31	1	23	9	10	2	2
Kiambu	294	143	108	109	94	37	20	36	33	43	54	15	42	31	29	25	25
Kilifi	188	86	63	65	61	14	10	12	13	31	33	3	34	25	10	6	6
Kirinyaga	120	55	39	39	36	6	2	3	7	10	11	0	16	14	9	95	95
Kisii	122	91	67	65	66	28	26	28	26	35	40	10	22	19	13	13	13
Kisumu	137	90	72	73	75	42	30	43	31	43	48	8	38	26	25	22	22
Kitui	300	170	85	109	104	22	13	17	16	34	42	5	19	20	12	5	5
Kwale	91	61	28	39	37	7	4	4	13	15	17	2	20	11	7	1	1
Lakipla	82	54	35	34	43	10	4	22	4	14	15	3	14	14	9	2	2
Lamu	39	24	13	17	18	1	2	1	2	12	16	1	6	5	2	1	1
machakos	247	150	93	95	79	19	16	16	19	34	39	4	24	21	17	5	5
makeni	172	127	68	84	84	11	13	6	21	35	40	1	30	19	12	4	4
Mandera	59	20	8	16	18	9	3	2	5	4	9	0	8	7	6	2	2
marahit	85	46	12	23	18	5	4	2	6	4	17	2	3	6	3	1	1
Meru	336	136	70	90	71	22	12	10	17	31	36	3	28	19	8	2	2
Migori	156	97	58	55	68	19	23	30	22	49	42	10	27	14	13	11	11
Mombasa	278	70	68	76	58	18	16	30	15	29	21	4	30	17	14	4	4
Muranga	174	112	85	75	72	13	5	2	15	13	26	2	29	23	7	1	1
Nairobi	790	243	204	224	187	111	86	82	71	67	105	36	115	100	80	33	33
Nakuru	300	178	99	106	89	29	18	14	23	26	42	9	46	34	23	8	8
Nandi	170	114	54	92	55	12	8	4	5	3	46	2	17	6	3	3	3
Narok	122	73	47	50	56	22	13	13	15	22	26	5	15	16	14	10	10
Nyamira	106	73	51	56	48	18	13	9	14	34	35	3	25	18	10	9	9
Nyandarua	103	71	48	47	44	12	7	10	12	22	21	4	15	11	7	4	4
Nyeri	205	96	60	57	62	14	5	11	14	20	21	2	12	11	4	5	5
Samburu	67	28	8	17	18	3	3	1	5	4	5	1	2	4	2	2	2
Siaya	147	103	72	84	74	31	28	59	28	56	43	10	26	21	19	10	10
Taita Taveta	78	54	33	39	39	3	1	7	10	12	14	2	13	7	3	8	8
Tana River	46	38	17	12	21	1	0	5	12	21	6	0	11	9	6	0	0
Tharaka Nithi	109	44	40	32	24	3	3	6	5	13	12	1	13	7	5	2	2
Trans Nzoia	131	71	50	58	54	12	6	16	3	24	24	2	18	11	6	14	14
Turkana	129	38	15	26	23	2	1	5	2	2	10	0	8	8	2	1	1
Uasi Gishu	134	97	74	81	83	14	3	26	18	31	41	6	17	23	10	14	14
Vihiga	79	44	20	27	26	3	3	9	7	9	10	2	5	2	2	0	0
Wajir	99	30	5	7	15	4	1	5	3	1	2	0	5	3	3	0	0
West Pokot	79	44	13	18	24	2	0	3	2	6	2	2	5	0	1	1	1
Kenya	7388	3966	2371	2713	2514	690	485	669	611	1003	1189	179	914	678	461	359	359

**Table 33: County specific availability infrastructure for MCH/FP in Hospitals**

	No. of hospitals	Immunization and Growth Monitoring Rooms	FP Coordinator Room	Antenatal Consultation Room	Waiting Bay/Room	Records Office	Central Administration Room	Abution Room	Consultation Room For Sick Under 5s	ORT Room	PMCT Room	GBV Services Room	Laboratory Room	Dressing room	Nursing station	Appropriately designed disability access
Baringo	7	8	5	8	6	4	3	10	3	2	4	0	2	3	3	3
Bomet	5	6	4	7	6	2	0	1	3	2	6	1	1	0	2	4
Bungoma	11	13	11	10	9	3	3	2	5	4	4	1	2	0	0	2
Busia	7	11	4	7	6	2	2	0	3	4	3	0	1	0	1	0
Elgeyo Marakwet	9	9	6	18	9	3	1	5	1	1	5	0	3	1	1	2
Embu	8	10	8	9	9	6	7	3	3	1	4	2	3	4	6	2
Garissa	9	9	7	7	8	1	3	5	8	6	2	2	3	5	8	2
Homa Bay	13	11	12	12	11	13	4	9	4	6	13	2	2	2	5	15
Isiolo	3	4	2	1	3	1	0	2	1	0	1	1	0	0	1	0
Kajiado	30	13	9	11	13	6	5	6	2	2	3	2	6	3	6	3
Kakamega	16	16	12	14	16	5	4	6	3	7	6	2	2	1	3	3
Kericho	11	11	9	9	10	8	3	8	4	3	9	3	2	2	2	1
Kiambu	52	27	20	25	24	8	9	17	9	10	11	4	9	8	6	6
Kilifi	11	10	9	12	10	6	4	4	2	2	4	2	3	3	3	3
Kirinyaga	22	4	6	4	4	2	2	1	1	1	2	0	0	0	1	0
Kisii	18	19	16	21	16	10	8	10	7	13	13	4	6	4	8	7
Kisumu	17	16	18	16	14	13	10	30	11	10	11	3	9	6	7	7
Kitui	13	11	10	13	10	4	4	2	3	4	7	3	1	2	1	2
Kwale	4	4	4	4	3	1	2	0	2	3	2	1	1	0	1	0
Laikipia	4	4	3	2	2	3	2	2	1	2	3	1	1	1	1	1
Lamu	3	5	4	3	3	1	0	0	0	0	0	0	0	0	0	0
machakos	8	7	5	6	6	3	2	3	4	4	5	3	1	3	4	3
makueni	12	11	9	11	13	3	0	1	3	4	6	0	5	3	2	2
Mandera	5	6	3	5	3	3	1	2	6	2	2	0	3	1	2	0
marasabit	4	5	2	4	7	2	1	1	2	2	3	0	2	1	1	0
Meru	25	22	14	25	15	5	5	5	9	3	8	3	2	1	1	6
Migori	13	12	9	13	14	4	4	3	6	8	9	1	5	4	5	4
Mombasa	15	15	13	14	12	5	3	12	13	6	9	4	3	5	7	8
Muranga	10	7	9	7	8	2	1	4	4	5	4	1	2	2	3	2
Nairobi	78	43	38	52	39	27	25	42	26	15	35	8	28	23	25	11
Nakuru	17	17	15	14	15	6	5	5	6	3	9	5	3	3	7	3
Nandi	5	6	3	4	5	0	0	3	1	1	4	0	1	0	2	3
Narok	7	8	3	5	5	1	4	3	1	2	3	0	5	0	1	0
Nyamira	8	8	6	7	4	2	0	0	0	1	5	0	0	0	0	0
Nyandarua	13	8	5	5	6	5	2	3	1	2	2	1	2	2	2	2
Nyeri	40	11	8	13	13	2	2	5	6	5	7	0	2	3	2	2
Samburu	4	3	3	3	3	3	1	1	0	1	3	0	2	1	1	0
Siaya	8	6	7	5	7	5	3	2	5	5	4	4	4	3	4	3
Taita Taveta	3	3	2	2	3	0	0	1	1	0	1	2	0	0	1	0
Tana River	3	3	2	2	2	2	1	2	0	1	1	0	3	0	0	0
Tharaka Nithi	7	7	4	5	4	1	1	1	3	0	1	0	0	0	1	1
Trans Nzoia	6	4	5	5	5	1	1	3	2	3	5	0	0	0	0	1
Turkana	7	6	5	5	6	4	3	3	3	2	4	3	4	3	3	0
Uasi Gishu	12	11	8	9	8	5	5	6	3	4	7	0	5	3	3	3
Vhiga	8	6	4	5	4	3	1	1	2	2	2	1	2	2	3	1
Wajir	11	6	3	3	5	1	0	1	3	1	2	0	1	0	1	0
West Pokot	5	5	4	4	4	0	0	0	1	2	2	0	0	0	0	1
Kenya	607	467	368	446	408	195	147	236	187	167	256	70	142	108	147	119

**Table 34: County specific availability of Maternity infrastructure in primary care facilities**

	No. of Primary Health facilities	Available infrastructure in primary care Maternity units												Appropriately designed disability access
		Antenatal ward with beds	First stage room/ward	Second stage room	Postnatal ward with beds	Nursery rooms with incubators	Maternity theatre with beds	Pantry Room	Ablution	Isolation Room with beds	Mothers' hostel with babies in nursery	Dressing room	Nursing station	
Baringo	162	21	12	21	15	0	8	14	1	0	2	2	9	0
Bomet	106	25	9	18	10	0	2	4	0	0	2	0	7	0
Bungoma	130	51	10	27	42	1	1	7	3	1	1	0	4	4
Busia	73	39	10	21	22	0	4	5	1	0	1	1	5	2
Elgeyo Marakwet	107	22	8	13	17	1	6	10	2	0	3	1	8	2
Embu	141	19	16	17	17	2	5	4	1	1	2	4	4	2
Garissa	120	26	12	15	11	0	4	11	1	1	3	2	8	2
Homa Bay	167	93	55	39	37	6	10	24	11	0	7	10	14	7
Isiolo	38	11	6	6	8	2	1	3	0	0	1	1	2	0
Kajiado	194	32	32	36	37	12	6	17	4	2	6	16	12	8
Kakamega	213	49	40	76	49	1	13	27	3	1	1	6	12	4
Kenya	163	51	22	24	26	6	6	8	2	0	2	4	10	1
Kenya	294	79	52	61	96	4	27	30	14	6	13	19	30	17
Kenya	188	29	32	53	34	1	12	23	3	0	6	4	14	5
Kenya	120	19	34	29	17	1	12	13	1	0	4	5	16	6
Kenya	122	57	34	30	48	13	15	27	3	2	11	6	15	8
Kenya	137	97	34	41	67	4	17	30	15	8	14	12	29	19
Kenya	300	49	44	55	54	2	8	17	1	2	2	7	8	3
Kenya	91	11	11	22	16	2	3	9	1	0	1	2	5	0
Kenya	82	11	8	14	19	0	4	5	0	1	2	1	2	1
Kenya	39	3	4	9	3	1	1	1	0	0	2	1	2	0
Kenya	247	39	31	38	37	2	7	15	0	1	6	3	9	2
Kenya	172	56	44	68	49	2	9	6	1	0	8	0	10	3
Kenya	59	21	16	17	12	1	2	6	2	1	5	1	8	1
Kenya	85	10	8	11	14	1	5	3	1	1	5	2	4	0
Kenya	336	43	27	34	43	3	13	15	1	1	7	5	17	3
Kenya	156	113	37	50	59	10	5	29	3	2	9	2	15	9
Kenya	278	25	23	36	28	1	8	11	2	2	10	2	8	3
Kenya	174	34	26	31	26	1	7	7	0	1	2	1	9	3
Kenya	790	138	86	111	143	22	48	45	22	15	38	38	49	24
Kenya	300	71	50	65	72	3	18	22	1	1	11	9	19	7
Kenya	170	19	13	22	18	3	6	11	0	0	1	4	7	1
Kenya	122	29	23	26	22	0	4	6	6	2	3	8	7	8
Kenya	106	66	22	26	27	4	6	11	2	1	7	3	7	7
Kenya	103	29	22	32	22	3	10	15	3	1	2	5	12	5
Kenya	205	37	16	22	34	4	12	24	3	1	1	3	9	6
Kenya	67	15	8	11	9	0	3	1	0	0	2	1	5	2
Kenya	147	114	46	53	72	4	17	43	9	3	16	10	23	5
Kenya	78	14	12	26	22	0	8	13	1	2	2	4	6	8
Kenya	46	5	3	8	4	0	2	1	0	0	0	1	2	1
Kenya	109	18	8	12	11	0	8	7	0	0	2	6	4	2
Kenya	131	27	25	30	33	3	8	19	4	5	4	10	9	8
Kenya	129	15	6	5	6	0	0	1	0	0	1	0	1	1
Kenya	134	62	37	38	35	6	20	16	4	5	14	10	14	10
Kenya	79	20	10	29	19	0	7	2	1	0	2	4	8	1
Kenya	99	10	7	11	10	0	2	1	1	0	1	2	3	1
Kenya	79	7	6	8	5	0	1	1	0	0	1	2	2	1
Kenya	7388	1831	1097	1447	1477	132	401	620	134	70	246	240	483	213

Table 35: County specific availability of maternity infrastructure in hospitals

	No. of hospitals	Available infrastructure in hospital Maternity units												Appropriately designed disability access			
		Antenatal ward with beds	First stage room/ward	Second stage room	Postnatal ward with beds	Nursery rooms with incubators	Maternity theatre with beds	Pantry Room	Abution	Isolation Room with beds	Mothers' hostel with babies in nursery	Dressing room	Nursing station				
Baringo	7	7	4	5	4	2	9	6	5	2	3	3	4				4
Bomet	5	3	3	4	6	2	1	9	3	1	2	6	4				6
Bungoma	11	21	13	9	10	2	6	7	2	0	2	4	8				4
Busia	7	24	1	7	4	1	3	6	1	1	1	8	4				0
Elgeyo Marakwet	9	7	4	7	5	1	2	6	2	1	2	6	5				1
Embu	8	6	4	6	7	5	7	8	2	1	4	3	8				1
Garissa	9	17	9	13	28	2	4	8	3	1	1	8	6				2
Homa Bay	13	38	12	10	36	2	6	11	5	0	1	7	6				4
Isiolo	3	4	2	2	2	0	1	3	3	0	0	2	1				0
Kajiado	30	18	11	11	25	7	5	4	5	1	4	5	8				4
Kakamega	16	87	6	12	79	7	7	24	1	2	3	16	8				3
Kericho	11	11	8	10	25	1	5	11	3	4	2	10	8				1
Kiambu	52	38	20	19	55	6	13	14	13	5	6	15	12				8
Kilifi	11	29	3	8	31	2	3	13	5	1	2	7	5				2
Kirinyaga	22	2	5	4	3	0	1	1	0	1	2	3	4				1
Kisii	18	80	21	15	33	5	7	18	8	2	5	14	10				8
Kisumu	17	21	21	15	30	4	12	35	9	3	8	14	14				9
Kitui	13	9	13	10	18	2	6	7	4	1	1	6	7				2
Kwale	4	2	6	4	4	0	3	3	2	0	2	4	3				1
Laikipia	4	13	4	2	15	1	2	2	2	2	0	2	2				1
Lamu	3	2	1	3	2	0	2	2	0	0	0	3	3				1
machakos	8	20	4	8	33	3	8	12	7	2	5	12	9				3
makueni	12	8	6	7	11	0	6	3	1	1	2	3	6				3
Mandera	5	2	3	4	9	0	4	4	4	0	2	3	4				1
marasabit	4	3	2	2	2	0	1	4	1	0	0	2	1				0
Meru	25	32	18	22	60	3	7	44	3	3	6	15	8				4
Migori	13	23	8	11	26	18	6	7	8	0	4	9	9				6
Mombasa	15	78	30	30	87	5	6	42	7	1	3	14	11				7
Muranga	10	14	12	8	12	3	4	6	8	1	1	4	7				1
Nairobi	78	138	219	46	247	29	19	18	16	16	14	23	20				17
Nakuru	17	20	10	34	20	15	7	14	11	2	4	16	14				12
Nandi	5	9	2	7	13	5	1	5	1	0	0	3	3				2
Narok	7	4	4	5	4	2	4	2	0	1	2	5	3				2
Nyamira	8	13	9	6	23	0	4	6	2	0	0	5	2				0
Nyandarua	13	29	8	6	17	3	11	16	2	0	1	6	4				2
Nyeri	40	17	13	10	28	4	6	14	3	4	4	14	7				3
Samburu	4	2	2	2	5	0	3	2	5	0	2	2	2				0
Siaya	8	10	4	6	11	2	2	5	4	1	4	2	6				2
Taita Taveta	3	1	1	3	3	0	1	1	0	0	0	2	2				2
Tana River	3	2	1	1	0	2	0	1	0	0	0	1	1				0
Tharaka Nithi	7	14	7	12	17	1	2	11	3	1	0	8	6				5
Trans Nzoia	6	15	0	5	10	0	3	4	0	1	1	3	3				3
Turkana	7	2	2	4	8	1	2	2	1	1	2	1	3				2
Uasin Gishu	12	43	25	26	42	4	5	8	2	34	3	9	5				2
Vihiga	8	22	11	6	27	1	1	3	0	0	1	3	4				1
Wajir	11	6	2	7	3	1	1	1	1	1	2	2	2				0
West Pokot	5	12	4	4	12	0	2	2	2	1	2	2	2				1
Kenya	607	978	578	458	1152	154	221	435	177	100	116	315	274				144

**Table 36: County specific availability of inpatient infrastructure in hospitals**

	No of hospitals	Available inpatient infrastructure in hospitals										Appropriately designed disability access
		beds Surgical inpatients ward	Bed Medical inpatient ward	beds Surgical Female inpatients ward	Bed Medical Female inpatient ward	Bed Pediatric Ward	Operating theatre	in-patient Pharmacy	Intensive care unit with beds	Dressing room	Nursing station	
Baringo	7	44	58	37	36	53	4	2	0	3	8	9
Bomet	5	50	37	32	27	62	8	2	1	2	10	9
Bungoma	11	100	105	86	79	73	7	1	4	6	12	11
Busia	7	73	58	61	51	88	7	1	1	3	9	0
Elgeyo Marakwet	9	19	16	16	12	10	6	0	2	3	12	2
Embu	8	121	202	59	51	141	6	3	1	5	24	2
Garissa	9	56	56	43	32	85	21	2	1	8	9	2
Homa Bay	13	67	97	49	56	102	5	4	0	3	19	2
Isiolo	3	16	21	15	15	16	2	0	0	4	7	0
Kajiado	30	37	28	30	28	33	8	4	0	7	5	4
Kakamega	16	76	88	42	43	111	6	3	0	0	12	3
Kericho	11	88	89	32	75	82	9	6	1	5	24	0
Kiambu	52	87	90	50	45	90	14	12	3	6	16	8
Kilifi	11	83	84	2	2	52	6	4	0	7	6	2
Kirinyaga	22	2	3	2	3	2	2	2	0	2	2	1
Kisii	18	130	156	116	84	167	13	6	2	10	16	10
Kisumu	17	59	58	42	43	51	14	8	5	16	31	17
Kitui	13	31	35	10	11	36	5	1	1	0	6	2
Kwale	4	39	43	9	8	29	3	0	0	1	2	0
Lakipia	4	23	41	18	15	39	3	1	0	1	2	2
Lamu	3	2	2	0	0	2	3	0	0	0	3	1
machakos	8	50	59	38	36	58	7	3	6	15	21	4
makueni	12	31	33	15	15	10	4	0	0	3	7	4
Mandera	5	14	13	2	2	2	3	2	0	5	7	0
marasabit	4	39	41	2	2	2	2	2	0	4	4	0
Meru	25	86	119	49	53	111	9	3	0	8	4	3
Migori	13	62	62	26	29	40	5	2	1	8	9	8
Mombasa	15	149	130	103	105	221	18	7	27	5	24	7
Muranga	10	5	6	4	5	7	7	4	0	5	6	2
Nairobi	78	604	176	131	398	120	51	14	31	20	38	8
Nakuru	17	117	135	48	47	123	11	7	8	17	31	14
Nandi	5	40	40	36	36	24	4	2	0	0	11	2
Narok	7	31	38	13	9	37	5	1	1	1	7	2
Nyamira	8	21	33	20	18	12	1	2	0	1	1	1
Nyandarua	13	20	21	23	24	27	8	2	0	7	8	6
Nyeri	40	152	148	89	92	96	12	3	5	7	24	5
Samburu	4	26	26	26	26	40	3	1	1	6	6	0
Siaya	8	29	13	12	18	17	4	2	0	2	5	2
Taita Taveta	3	7	8	1	1	2	1	1	0	0	2	1
Tana River	3	1	2	1	1	2	2	0	0	0	3	0
Tharaka Nithi	7	70	67	60	41	51	4	1	0	5	11	1
Trans Nzoia	6	31	30	33	32	53	3	0	0	1	3	2
Turkana	7	17	19	2	2	11	4	4	0	2	2	1
Uasi Gishu	12	48	48	22	27	67	10	3	4	2	3	1
Vihiga	8	25	36	36	28	39	4	2	1	2	7	1
Wajir	11	76	53	25	26	12	4	1	0	2	5	1
West Pokot	5	22	41	16	0	42	2	0	1	1	5	0
Kenya	607	2976	2764	1584	1789	2550	340	130	108	221	489	163

Table 37: County specific availability of administration unit infrastructure for primary care facilities

	No of Primary Health facilities	Available infrastructure administration units for primary care facilities																	
		pharmacy	drug dispensing room	cash office	Drug and non-pharmaceutical Stores	administration offices	room for health records	community services room	board room	HR Registry Room	Resource Centre Room	Call Rooms For Persons	Staff Canteen Room	ablation Room	Staff Quarters For officers	Fence And Gate	Protected Composite Pit	Water Storage For Roof Catchment	Primary care Minimum Acreage
Baringo	162	23	31	6	43	6	1	0	2	0	0	4	0	11	36	46	31	49	96.3
Bomet	106	16	45	12	41	4	2	1	0	1	0	1	0	1	62	52	56	72	60.05
Bungoma	130	27	33	6	43	10	4	3	2	5	2	3	13	15	62	63	43	55	98.8323
Busia	73	10	12	7	17	7	1	1	2	0	0	1	1	17	26	52	31	51	53.75
Elgeyo Marakwet	107	17	23	10	24	7	5	0	2	0	0	0	1	1	37	14	33	36	117.9
Embu	141	20	35	15	38	9	4	3	2	0	0	0	1	3	41	57	31	75	57.95
Garissa	120	22	21	14	23	14	9	2	3	4	3	1	0	12	19	10	16	23	52.25
Homa Bay	167	55	49	32	56	38	29	16	10	7	10	7	7	21	80	92	58	121	89.34
Isiolo	38	11	9	3	8	3	2	0	0	0	0	2	0	3	8	8	10	10	23.75
Kajiado	194	39	44	26	35	25	19	8	1	1	3	5	2	17	44	59	36	59	111.75
Kakamega	213	30	35	12	35	25	8	9	5	2	3	1	2	8	55	66	51	83	69.94
Kericho	163	25	38	5	42	8	14	3	4	0	0	4	4	4	63	22	43	49	45.074
Kiambu	294	59	58	55	60	58	38	7	23	14	7	10	10	33	79	82	72	71	47.45
Kilifi	188	42	49	16	45	17	13	5	4	1	2	1	5	21	40	53	39	61	79.66
Kirinyaga	120	31	35	24	34	14	12	3	7	1	0	0	3	10	35	33	30	48	86.075
Kisii	122	43	41	20	36	18	20	7	4	3	4	2	5	21	56	41	49	174	119.3
Kisumu	137	58	57	45	63	61	42	18	14	12	15	19	21	48	75	75	66	142	172
Kitui	300	54	83	25	89	14	10	2	6	2	0	5	1	7	71	26	103	147	65.5
Kwale	91	23	32	9	30	6	4	2	2	1	0	6	0	5	19	59	19	62	43.5
Laikipia	82	19	22	13	26	5	8	1	4	3	1	2	3	8	31	22	35	49	217.6
Lamu	39	10	11	6	12	5	3	1	2	1	1	1	0	1	11	1	7	12	19.25
machakos	247	31	52	22	50	18	17	3	7	5	3	7	3	10	58	22	66	80	56.2
makueni	172	28	55	19	51	14	8	5	7	1	1	1	3	22	50	46	55	86	118.15
Mandera	59	8	11	7	13	4	3	0	2	0	0	2	0	3	6	9	9	9	41
masabit	85	9	13	7	15	7	3	3	2	1	0	3	2	1	15	8	10	28	8
Meru	336	32	56	31	48	29	13	4	7	5	2	2	4	11	53	44	57	48	186.35
Migori	156	49	56	27	60	34	25	14	7	3	3	5	9	34	60	62	58	100	10.84
Mombasa	278	23	32	26	25	17	11	5	5	2	4	3	4	25	23	5	16	17	13
Muranga	174	18	47	18	32	8	9	1	3	0	1	0	1	3	63	54	60	87	541.05
Nairobi	790	158	143	128	144	151	118	58	63	43	38	41	19	57	95	33	55	93	56.68
Nakuru	300	40	60	38	65	32	25	6	12	7	4	11	6	88	58	60	109	176.2	
Nandi	170	32	44	16	36	10	4	3	4	2	1	6	11	4	57	66	41	64	110.1
Narok	122	29	30	17	36	18	14	6	7	7	5	2	4	16	42	85	47	84	156.1
Nyamira	106	29	37	17	31	18	16	8	3	3	1	7	4	18	41	36	30.5	56.5	54.025
Nyandarua	103	29	26	13	28	10	6	8	9	4	15	42	2	10	32	42	25	39	97.75
Nyeri	205	24	36	25	39	11	8	3	15	2	1	8	1	11	44	69	35	62	93.05
Samburu	67	5	12	5	17	7	4	2	1	1	1	0	2	3	22	28	22	54	28
Siaya	147	44	59	36	62	55	29	13	18	14	10	11	6	32	59	74	75	108	59.6
Taita Taveta	78	32	32	7	29	6	4	2	4	0	0	0	3	17	16	34	17	33	45.4
Tana River	46	20	22	9	16	0	0	1	0	0	0	1	0	0	10	6	6	6	41.5
Tharaka Nithi	109	14	17	5	17	2	0	1	0	0	0	0	0	3	13	7	17	18	23.015
Trans Nzoia	131	21	34	17	29	13	14	10	5	3	2	5	4	6	34	45	35	36	65.8
Turkana	129	36	34	8	15	12	4	2	4	0	1	0	0	1	10	21	11	14	10
Uasi Gishu	134	22	26	20	29	12	12	7	5	3	2	2	2	5	28	28	26	34	36.5
Vhiga	79	10	13	2	15	5	4	1	1	0	1	2	2	2	17	10	13	25	12.94
Wajir	99	14	16	5	13	2	1	0	0	0	1	0	0	2	12	26	12	20	8
West Pokot	79	6	12	1	16	3	1	1	0	0	0	0	0	0	18	28	11	33	131.95
Kenya	7388	1397	1738	888	1731	852	601	259	290	164	148	236	171	571	1916	1879	1728.5	2792.5	5808.421

**Table 38: County specific availability of administration unit infrastructure for hospitals**

	No of Hospitals	Available administration unit infrastructure for hospitals																	Hospital Minimum Acreage
		pharmacy	drug dispensing room	cash office	Drug and non-pharmaceutical Stores	administration offices	Room for health records	community services room	board Room	HR Registry Room	Resource Centre Room	Call Rooms For Persons	Staff Canteen Room	ablation Room	Staff Quarters For officers	Fence And Gate	Protected Composite Pit	Water Storage For Roof Catchment	
Baringo	7	4	4	5	5	12	5	1	3	3	1	13	1	12	5	7	7	2	32.5
Bomet	5	4	3	3	5	23	7	0	4	3	2	1	2	7	69	8	40	6	24
Bungoma	11	2	4	6	6	25	8	2	4	7	2	1	4	12	52	18	10	10	65.1
Busia	7	3	0	4	4	16	5	2	1	2	1	9	1	3	60	7	6	5	95.7
Elgeyo Marakwet	9	8	7	8	4	12	4	1	3	4	1	3	3	8	55	12	8	10	100
Embu	8	4	5	7	5	11	6	2	5	6	1	1	1	4	91	12	6	7	43
Garissa	9	1	3	5	3	12	5	2	2	3	2	2	5	4	15	6	8	3	39.7
Homa Bay	13	10	11	7	13	24	9	7	3	2	1	4	5	7	55	14	29	7	61.5
Isiolo	3	3	4	2	3	3	4	0	1	2	0	1	2	10	60	0	2	1	23
Kajiado	30	9	11	12	9	17	10	2	5	5	5	1	2	1	28	8	10	9	9
Kakamega	16	7	5	10	12	49	11	5	5	5	2	2	16	12	75	15	22	13	60.1
Kericho	11	9	8	16	12	25	13	2	7	6	5	12	3	10	42	11	28	8	48
Kiambu	52	9	14	13	15	42	23	8	9	7	7	4	9	12	147	19	13	15	19.9
Kilifi	11	6	7	7	8	16	9	1	6	5	1	4	1	14	3	14	4	4	52.3
Kirinyaga	22	3	4	4	4	6	4	1	3	1	1	1	3	1	11	5	5	5	9
Kisii	18	17	14	12	13	24	15	4	12	11	6	9	4	43	66	23	59	15	46.9
Kisumu	17	16	12	11	13	43	15	9	12	11	6	4	6	17	32	20	24	16	24
Kitui	13	9	10	8	14	17	8	0	3	2	0	2	3	5	64	15	25	11	52
Kwale	4	2	2	3	2	18	2	1	2	3	1	1	0	4	32	3	8	1	21.5
Lalipia	4	2	2	1	3	3	1	2	1	3	1	1	1	2	0	2	10	2	79
Lamu	3	2	2	1	2	1	1	0	0	0	0	0	0	0	16	2	2	1	12
machakos	8	3	3	4	4	22	8	2	6	5	1	6	4	5	29	7	10	5	45
makeni	12	9	7	7	11	8	5	0	6	2	1	4	2	0	25	11	18	8	74
Mandera	5	3	2	4	4	17	4	2	3	1	1	1	0	2	9	4	5	3	24
masabit	4	2	2	2	4	8	2	1	0	2	1	0	1	4	7	7	13	4	10
Meru	25	10	11	16	17	28	12	3	6	6	4	17	4	6	133	19	25	23	81.5
Migori	13	8	7	8	10	18	12	4	1	5	4	5	4	13	80	17	25	14	31.9
Mombasa	15	14	14	11	15	27	22	9	8	8	7	17	7	19	18	15	5	11	3.9
Muranga	10	5	6	5	12	8	5	2	3	3	0	0	0	3	6	10	19	7	40
Nairobi	78	35	29	30	25	105	33	10	19	18	12	18	13	47	91	34	37	17	52.3
Nakuru	17	10	10	13	16	27	23	4	6	8	3	6	4	7	207	16	15	14	188
Nandi	5	2	3	4	4	7	4	0	3	2	0	0	1	2	54	6	9	5	38.6
Narok	7	2	2	2	2	13	2	0	1	1	1	0	1	1	1	5	6	10	17
Nyamira	8	4	5	6	7	9	2	1	1	1	2	1	2	4	7	6	13	7	7
Nyandarua	13	3	2	5	6	11	2	1	2	3	2	0	0	5	192	2	3	3	197
Nyeri	40	8	6	9	9	19	12	5	4	5	5	5	3	16	122	10	17	6	73.3
Samburu	4	0	0	2	1	9	1	1	1	2	1	1	0	2	39	3	5	2	3
Siaya	8	4	3	5	6	14	7	1	1	2	2	4	4	14	3	11	7	7	21
Taita Taveta	3	1	1	3	2	7	5	0	1	2	0	1	1	6	8	3	2	1	13.3
Tana River	3	2	2	0	0	1	2	0	1	2	0	0	0	2	8	1	4	2	1
Tharaka Nithi	7	2	1	3	4	7	1	0	3	3	1	2	3	3	49	6	6	7	69
Trans Nzola	6	3	2	3	7	13	5	2	2	1	0	0	0	4	12	5	5	3	22
Turkana	7	4	4	2	4	2	3	0	1	1	1	2	1	1	1	4	1	2	5
Uasin Gishu	12	7	7	9	7	11	8	5	5	4	3	2	5	6	4	7	5	5	55
Vihiga	8	3	2	3	11	7	3	2	3	1	2	4	13	14	56	19	15	7	31.5
Wajir	11	4	6	3	5	9	5	0	1	1	2	0	1	1	38	7	32	5	67.4
West Pokot	5	2	2	2	2	12	3	0	3	2	1	0	1	0	54	5	16	6	62
Kenya	607	280	271	306	350	818	356	107	182	182	103	172	147	375	2231	461	644	335	2151

**Table 39: County specific availability of Diagnostic/Investigative infrastructure**

	No of hospitals	Available Diagnostic/ investigative infrastructure for Hospitals											RADIOLOGY UNIT						
		LABORATORY/DIAGNOSTIC UNIT WITH:				IMAGING UNIT							RADIOLOGY UNIT						
		Unit for laboratory services	Unit for forensic services	Appropriately designed disability access	x-ray room	US Scan room	CT Scan	Mammography	MRI Room	Dressing room	Appropriately designed disability access	Radiotherapy bunkers	Isotope therapy isolation rooms	Renal unit	Water purification plant	Dialysis room	Appropriately designed disability access		
Baringo	7	11	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0		
Bomet	5	10	0	7	3	3	1	0	0	2	2	0	0	0	0	0	0		
Bungoma	11	15	2	4	4	3	0	0	0	3	3	0	0	1	1	1	1		
Busia	7	15	0	0	2	1	0	0	0	3	1	0	0	0	0	0	0		
Elgeyo Marakwet	9	8	0	3	3	2	1	0	0	1	2	0	0	0	0	0	0		
Embu	8	29	0	0	5	3	0	1	1	7	0	0	0	0	0	0	0		
Garissa	9	8	3	2	2	2	1	1	1	1	2	1	1	1	0	1	1		
Homa Bay	13	10	3	5	1	0	3	1	4	4	0	0	0	0	0	0	1		
Isiolo	3	1	0	0	1	1	0	0	0	2	0	0	0	0	0	0	0		
Kajiado	30	13	1	3	2	4	0	0	0	5	5	0	0	1	1	1	1		
Kakamega	16	13	3	3	3	9	1	0	0	16	3	1	1	0	0	0	1		
Kericho	11	15	0	7	6	6	1	0	0	3	1	0	0	0	0	0	0		
Kiambu	52	24	4	5	7	10	2	1	1	7	8	0	0	1	1	1	1		
Kilifi	11	10	0	3	2	7	0	0	0	2	3	0	0	0	0	0	0		
Kirinyaga	22	8	0	1	3	1	0	1	1	2	1	0	0	0	0	0	0		
Kisii	18	15	0	6	5	5	1	2	0	5	6	0	0	0	0	0	0		
Kisumu	17	23	1	11	7	11	3	2	1	16	8	3	3	2	2	2	4		
Kitui	13	12	1	3	4	5	2	0	0	2	3	0	0	0	0	0	0		
Kwale	4	4	0	0	2	2	0	0	0	3	0	0	0	0	0	0	0		
Laikipia	4	4	1	1	1	1	1	0	1	2	1	0	0	0	0	0	0		
Lamu	3	1	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0		
Machakos	8	7	2	4	3	6	1	1	0	11	7	1	1	0	0	0	1		
Makueni	12	15	1	3	2	2	0	0	0	0	1	0	0	0	0	0	0		
Mandera	5	6	0	0	1	2	1	0	0	3	0	0	0	0	0	0	0		
Marsabit	4	4	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0		
Meru	25	22	0	5	6	7	1	1	0	3	3	0	0	0	0	0	1		
Migori	13	14	3	2	3	4	0	1	0	0	3	2	2	1	1	1	0		
Mombasa	15	19	2	6	3	14	5	3	2	34	9	0	0	5	5	6	1		
Muranga	10	6	2	3	3	4	2	1	0	0	0	1	1	1	1	1	1		
Nairobi	78	51	6	7	18	25	9	5	4	30	12	4	3	7	6	5	2		
Nakuru	17	20	4	4	9	8	2	1	0	2	2	0	0	1	1	3	1		
Nandi	5	8	0	2	2	1	0	0	0	1	2	0	0	0	0	0	1		
Narok	7	8	0	1	2	2	0	0	0	1	2	0	0	0	0	0	1		
Nyamira	8	10	0	2	1	1	0	0	0	2	1	1	1	1	1	1	1		
Nyandarua	13	11	1	2	3	4	2	2	0	2	2	0	0	0	0	1	1		
Nyeri	40	17	4	7	7	10	2	1	0	4	6	1	1	1	1	1	0		
Samburu	4	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0		
Siaya	8	5	2	2	4	2	2	0	0	4	2	1	1	0	0	0	1		
Taita Taveta	3	2	0	1	2	2	0	0	0	1	2	0	0	0	0	0	0		
Tana River	3	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0		
Tharaka Nithi	7	6	0	1	2	2	1	0	0	0	1	1	1	0	0	0	1		
Trans Nzoia	6	5	0	3	2	1	0	0	0	0	1	0	0	0	0	0	0		
Turkana	7	5	0	1	2	1	0	0	0	1	0	0	0	0	0	0	0		
Uasi Gishu	12	11	2	4	1	3	2	1	1	3	1	0	0	1	1	1	1		
Vihiga	8	6	0	1	1	1	0	0	1	2	1	0	0	0	0	0	1		
Wajir	11	8	0	0	0	3	0	0	0	0	1	0	0	0	0	0	0		
West Pokot	5	2	0	0	2	0	0	0	0	1	0	0	0	0	0	0	0		
Kenya	607	519	49	127	151	188	49	26	18	192	108	17	16	24	22	26	23		

**Table 40: County specific availability of Medical support infrastructure (Intensive Care, physical therapy, mortuary, and maintenance) in hospitals**

		Available medical support infrastructure for Intensive care, physical therapy, mortuary and maintenance in hospital												
	No of hospitals	INTENSIVE CARE			PHYSICAL THERAPY UNIT WITH:					MAINTENANCE WORKSHOP UNIT WITH:				
		Intensive Care Unit	High Dependency Unit	Appropriately designed disability access	Physiotherapy Unit	Orthopedic Unit	Occupational Unit	MORTUARY	Rooms for maintenance equipment and spares	Room for the workshop	Appropriately designed disability access			
Baringo	7	0	0	0	3	2	2	2	4	2	0			
Bomet	5	1	1	1	8	1	3	3	5	10	11			
Bungoma	11	2	0	1	6	3	4	4	5	3	3			
Busia	7	0	0	0	4	4	4	2	10	1	0			
Elgeyo Marakwet	9	1	0	0	3	2	3	3	5	15	1			
Embu	8	0	0	0	5	1	5	5	6	4	1			
Garissa	9	1	1	1	6	5	2	2	2	2	2			
Homa Bay	13	0	0	0	3	1	1	1	5	2	1			
Isiolo	3	0	0	0	2	1	1	1	2	2	0			
Kajiado	30	0	0	0	8	3	5	2	5	2	0			
Kakamega	16	1	0	1	5	1	2	3	8	6	3			
Kericho	11	0	1	0	5	3	2	7	8	6	1			
Kiambu	52	0	1	0	13	5	9	6	13	10	6			
Kilifi	11	0	1	1	5	4	3	2	8	7	2			
Kirinyaga	22	0	0	0	3	1	4	3	3	3	0			
Kisii	18	3	2	2	5	3	3	5	10	8	7			
Kisumu	17	3	2	3	9	3	4	7	7	16	7			
Kitui	13	1	1	0	2	1	2	5	5	2	0			
Kwale	4	0	0	0	2	2	2	2	5	1	0			
Lakipia	4	0	0	0	1	2	1	1	3	2	2			
Lamu	3	0	0	0	1	0	1	2	0	0	0			
machakos	8	1	1	1	7	4	5	3	5	4	3			
makueni	12	0	0	0	5	2	3	2	7	2	1			
Mandera	5	0	0	0	1	0	1	1	1	2	0			
marasabit	4	0	0	0	2	0	1	3	3	3	0			
Meru	25	0	0	0	8	4	3	6	9	6	2			
Migori	13	2	1	0	4	3	6	3	2	4	2			
Mombasa	15	14	3	4	9	3	3	3	14	12	6			
Muranga	10	1	0	0	5	3	2	4	4	3	1			
Nairobi	78	9	8	2	15	12	14	11	21	20	8			
Nakuru	17	4	4	2	15	19	10	9	8	8	2			
Nandi	5	0	0	0	2	2	3	2	2	3	1			
Narok	7	0	0	0	2	1	1	2	2	1	2			
Nyamira	8	0	0	0	2	1	2	1	1	2	1			
Nyandarua	13	0	0	0	3	4	3	3	3	4	2			
Nyeri	40	3	2	2	10	4	5	8	10	10	4			
Samburu	4	1	0	0	2	0	1	3	0	0	0			
Siaya	8	0	0	0	3	1	2	4	2	2	1			
Taita Taveta	3	0	0	0	2	2	2	2	2	2	1			
Tana River	3	0	0	0	1	0	0	1	1	1	0			
Tharaka Nithi	7	0	0	0	3	1	2	2	5	2	2			
Trans Nzola	6	0	0	0	2	1	2	2	1	1	1			
Turkana	7	0	0	0	2	1	2	2	1	1	0			
Uasi Gishu	12	2	1	1	7	4	4	1	5	4	2			
Vhiga	8	0	0	0	2	2	9	1	2	2	2			
Wajir	11	0	0	0	1	0	1	0	2	0	0			
West Pokot	5	0	0	0	1	1	1	2	1	1	0			
Kenya	607	50	30	22	215	123	151	149	233	204	91			

Table 41: County specific availability of support infrastructure in hospitals

	No of hospital	Available hospitals support infrastructure in hospitals										Supply services unit with:			
		Slance pit latrine	Source of running water	Water reservoir	Protected placenta pit	Power Supply		Protected Diesel Incinerator	Kitchen			Laundry			Store
						Generator	Main Power		Generator	Main Power	Solar Energy	Kitchen	Laundry	Store	
Baringo	7	12	3	6	3	5	7	1	5	7	0	6	5	6	
Bomet	5	19	29	10	6	6	6	2	6	6	0	6	4	16	
Bungoma	11	29	68	19	13	9	10	3	9	10	4	8	6	7	
Busia	7	17	7	11	6	6	5	4	6	5	1	7	3	7	
Elgeyo Marakwet	9	23	8	20	9	10	8	3	10	8	4	7	5	8	
Embu	8	24	14	14	8	6	9	5	6	9	2	8	6	12	
Garissa	9	33	11	29	8	8	5	3	8	5	8	10	5	12	
Homa Bay	13	44	19	53	13	8	11	3	8	11	2	11	6	14	
Isiolo	3	3	2	2	1	1	1	1	1	1	0	2	1	1	
Kajiado	30	19	30	22	9	12	16	4	12	16	0	11	8	8	
Kakamega	16	32	18	17	13	11	13	7	11	12	3	12	7	11	
Kericho	11	21	13	45	12	12	13	5	12	12	4	12	9	17	
Kiambu	52	36	56	54	17	28	36	11	28	26	4	26	21	32	
Kilifi	11	22	19	30	9	8	10	2	8	9	3	9	7	13	
Kirinyaga	22	11	10	9	5	7	11	2	7	4	1	4	4	6	
Kisii	18	48	20	50	17	14	16	7	14	16	4	16	9	16	
Kisumu	17	33	47	29	14	15	14	8	15	15	16	15	13	22	
Kitui	13	26	7	19	10	9	8	5	9	10	3	10	7	12	
Kwale	4	5	23	14	2	3	3	0	3	3	0	3	2	3	
Laikipia	4	4	7	15	2	4	3	2	4	4	11	4	2	3	
Lamu	3	2	1	2	1	2	3	1	2	3	1	2	2	2	
machakos	8	17	9	11	7	8	7	3	8	7	1	7	5	11	
makueni	12	17	11	15	12	9	12	4	9	10	1	10	7	11	
Mandera	5	11	20	16	15	5	4	1	5	4	51	3	2	5	
marasabit	4	8	16	20	4	5	3	0	5	4	2	4	4	5	
Meru	25	42	29	55	17	18	22	7	18	19	4	19	10	19	
Migori	13	49	24	35	12	10	12	2	10	13	3	9	6	8	
Mombasa	15	3	16	24	8	17	14	7	17	11	4	11	9	18	
Muranga	10	51	12	28	9	7	11	2	7	7	4	7	7	13	
Nairobi	78	12	56	89	18	44	49	9	44	49	12	31	24	36	
Nakuru	17	9	12	26	11	14	12	4	14	18	2	18	16	20	
Nandi	5	9	23	6	5	3	5	0	3	5	0	5	4	6	
Narok	7	10	4	2	4	4	4	1	4	4	1	4	4	6	
Nyamira	8	25	16	20	8	6	6	2	6	6	3	7	4	7	
Nyandarua	13	10	7	5	4	7	6	1	7	5	4	5	4	5	
Nyeri	40	23	22	26	8	13	24	7	13	24	1	11	8	10	
Samburu	4	5	2	2	2	4	3	2	4	3	1	3	2	3	
Siaya	8	26	7	9	8	9	6	6	9	6	3	8	8	11	
Taita Taveta	3	1	6	6	3	2	3	0	2	3	0	3	2	2	
Tana River	1	2	1	1	1	2	2	1	2	2	2	2	2	2	
Tharaka Nithi	7	7	7	15	5	6	6	1	6	6	4	6	6	6	
Trans Nzola	6	15	6	11	5	2	5	2	2	5	0	5	5	3	
Turkana	7	6	4	11	7	32	1	2	32	1	3	4	3	3	
Uasi Gishu	12	11	11	13	9	8	10	9	8	10	3	11	10	10	
Vihiga	8	13	6	6	5	5	7	2	5	7	1	6	5	6	
Wajir	11	26	21	48	7	5	4	11	5	4	27	7	3	11	
West Pokot	5	11	6	16	4	6	4	2	6	4	2	5	3	8	
Kenya	607	882	766	979	376	435	450	168	400	295	211	400	295	473	

### 4.3 Communication equipment availability

Assessment of the availability of different forms of communication equipment was carried out, across the facilities. The presence of these different forms of communication equipment is shown, for primary care facilities and for hospitals in the subsequent 2 tables.

**Table 42: County specific availability of communication equipment in primary care facilities**

	No of primary health facilities	Available communication equipment in primary care facilities														
		Desktops	Laptops	Handheld devices (PDA, )	Phone (Mobile institutional)	Phone (Fixed)	Camera	Projector	Photocopier	OCR Scanner for digitalization of documents	2-Way Radio	Television	Printer	Scanner	Duplicator Machine	Internet services
Baringo	162	22	5	2	28	7	4	0	7	2	0	15	10	2	0	11
Bomet	106	23	1	0	3	0	1	1	2	0	0	4	8	3	1	4
Bungoma	130	40	11	2	23	6	2	1	4	2	0	30	21	6	0	7
Busia	73	23	11	0	24	5	13	1	8	0	0	18	16	2	0	4
Elgeyo Marakwet	107	11	3	0	7	0	0	0	5	0	0	2	7	3	0	4
Embu	141	67	7	1	39	22	3	3	14	1	5	37	39	6	4	12
Garissa	120	42	8	2	32	12	5	1	6	4	13	20	20	6	1	19
Homa Bay	167	86	50	5	50	9	11	5	25	4	9	41	34	9	2	21
Isiolo	38	9	2	0	7	3	1	0	0	0	3	7	1	0	0	4
Kajiado	194	171	42	8	81	38	6	5	34	8	8	67	76	25	3	63
Kakamega	213	67	14	6	58	18	2	0	12	0	3	44	22	6	1	17
Kericho	163	50	7	3	28	15	6	6	15	4	4	32	32	5	3	9
Kiambu	294	598	75	33	175	308	21	16	56	14	35	141	111	34	8	71
Kilifi	188	105	53	6	86	51	15	3	30	16	21	52	43	24	1	24
Kirinyaga	120	36	8	1	55	14	1	0	3	1	2	28	16	5	1	6
Kisii	122	24	6	3	58	15	3	0	7	2	2	27	10	6	3	10
Kisumu	137	175	92	13	83	46	19	8	27	9	1	66	49	24	11	44
Kitui	300	47	13	8	50	14	3	2	21	4	3	26	22	9	4	14
Kwale	91	12	5	1	30	2	3	0	4	0	7	18	3	3	3	5
Laikipia	82	36	19	1	26	16	5	2	14	1	2	28	19	11	2	18
Lamu	39	13	2	0	25	6	5	1	1	1	4	5	9	4	0	4
Machakos	247	77	25	4	98	24	2	1	15	7	7	47	49	16	6	26
Makueni	172	42	10	5	36	5	8	2	14	3	6	24	17	7	3	14
Mandera	59	12	10	4	8	4	0	2	7	0	8	9	7	3	1	4
Marsabit	85	22	11	0	19	12	3	0	13	3	11	11	15	12	3	11
Meru	336	139	50	13	130	47	16	5	30	6	8	82	51	25	7	34
Migori	156	64	35	7	62	21	8	3	15	3	5	22	23	7	4	17
Mombasa	278	259	55	13	134	77	75	8	30	6	5	99	99	30	5	61
Muranga	174	35	3	3	66	9	3	0	9	2	3	27	11	3	0	15
Nairobi	790	1527	429	67	642	718	123	56	188	49	83	537	484	184	32	409
Nakuru	300	180	35	11	92	68	14	4	45	14	16	91	64	23	11	39
Nandi	170	55	22	1	36	8	4	4	8	2	4	38	25	8	3	17
Narok	122	38	40	2	29	4	10	3	14	3	0	27	20	10	7	10
Nyamira	106	19	4	3	30	7	2	0	8	1	3	14	10	5	0	9
Nyandarua	103	36	6	3	53	13	0	0	21	3	8	33	31	7	1	17
Nyeri	205	124	38	3	86	26	7	4	22	4	7	40	53	11	2	36
Samburu	67	9	9	0	8	3	0	0	3	1	3	3	5	2	0	3
Siaya	147	104	33	9	125	24	11	5	20	6	3	43	25	10	6	37
Taita Taveta	78	32	7	2	48	9	0	0	12	0	16	30	19	9	3	9
Tana River	46	10	0	2	2	1	0	0	0	0	7	1	2	0	0	1
Tharaka Nithi	109	20	3	0	10	3	0	1	3	0	0	3	6	2	0	3
Trans Nzoia	131	53	27	4	62	14	6	3	11	3	2	31	21	9	3	13
Turkana	129	9	9	5	8	1	7	0	3	1	18	8	7	3	0	4
Uasi Gishu	134	75	27	3	36	41	4	5	14	2	3	36	32	10	5	16
Vihiga	79	29	7	0	24	20	2	1	7	2	1	24	14	5	2	11
Wajir	99	18	15	7	20	5	2	0	7	0	12	10	8	3	2	13
West Pokot	79	3	3	0	9	0	1	0	1	0	1	2	3	1	1	1
Kenya	7388	4648	1347	266	2841	1771	437	162	815	194	362	2000	1669	598	155	1201

**Table 43: County specific availability of communication equipment in hospitals**

	No of Hospitals	Available communication equipment in hospitals														
		Desktops	Laptops	Handheld devices (PDA, )	Phone (Mobile institutional)	Phone (Fixed)	Camera	Projector	Photocopier	OCR Scanner for digitalization of documents	2-Way Radio	Television	Printer	Scanner	Duplicator Machine	Internet services
Baringo	7	34	7	1	6	14	0	1	10	4	0	15	12	7	1	6
Bomet	5	150	11	10	53	18	22	5	8	0	0	11	26	4	2	5
Bungoma	11	194	29	0	12	37	4	6	7	2	0	54	37	4	1	4
Busia	7	81	15	2	9	73	2	3	5	2	0	11	12	2	1	5
Elgeyo Marakwet	9	40	6	0	9	28	1	2	6	1	0	15	13	1	0	9
Embu	8	116	9	0	8	10	17	3	11	2	0	59	37	7	6	10
Garissa	9	54	6	0	5	3	3	2	5	1	3	7	13	7	6	4
Homa Bay	13	80	11	1	13	18	0	2	11	1	0	12	17	6	2	17
Isiolo	3	6	0	0	0	0	0	0	0	0	1	1	1	0	0	0
Kajiado	30	83	17	7	23	29	31	3	12	7	1	34	25	8	3	13
Kakamega	16	126	14	0	13	5	3	3	8	1	0	27	27	4	1	12
Kericho	11	196	30	0	14	86	6	7	9	4	2	32	40	9	5	8
Kiambu	52	356	49	8	50	214	22	13	34	7	6	73	134	14	4	24
Kilifi	11	82	13	4	20	79	8	8	12	2	1	22	27	8	2	12
Kirinyaga	22	85	21	2	15	26	3	2	8	1	0	22	24	6	0	5
Kisii	18	162	24	2	24	43	2	1	10	2	0	85	37	9	4	17
Kisumu	17	209	35	1	26	92	48	12	13	7	8	38	49	13	4	14
Kitui	13	70	16	0	11	4	3	1	13	3	0	13	33	8	0	24
Kwale	4	23	4	0	4	25	0	2	4	1	1	7	8	2	0	2
Laikipia	4	63	5	0	9	3	2	3	3	2	0	9	12	2	1	4
Lamu	3	15	2	0	4	1	0	1	3	0	1	0	3	1	1	2
machakos	8	279	13	0	9	21	3	6	10	1	0	42	39	12	3	14
makueni	12	52	7	1	10	3	1	3	7	1	2	23	30	8	3	10
Mandera	5	12	0	0	0	1	0	0	4	0	1	2	4	3	2	1
marsabit	4	34	4	0	2	30	1	1	8	1	2	8	12	5	2	5
Meru	25	159	24	7	29	22	7	12	20	0	10	22	57	14	4	14
Migori	13	100	14	2	18	43	3	1	9	2	0	19	27	8	4	5
Mombasa	15	588	36	1	33	366	16	11	23	6	7	147	130	27	5	17
Muranga	10	43	9	0	11	25	2	2	9	2	0	11	22	5	4	6
Nairobi	78	1229	193	26	270	698	66	51	82	29	96	214	351	69	20	220
Nakuru	17	303	15	2	39	60	29	8	16	6	3	92	55	10	5	30
Nandi	5	53	4	1	4	5	0	1	2	0	0	10	11	1	1	2
Narok	7	32	5	1	4	3	3	2	3	4	2	16	8	4	0	4
Nyamira	8	36	4	0	5	0	0	0	4	3	0	3	8	5	3	5
Nyandarua	13	65	14	0	8	44	1	4	8	4	7	21	20	2	1	4
Nyeri	40	200	21	3	28	66	4	9	16	4	0	63	41	9	3	14
Samburu	4	8	3	0	3	1	1	0	2	0	3	2	7	2	0	1
Siaya	8	44	16	0	9	1	2	5	4	6	2	16	14	4	1	8
Taita Taveta	3	16	3	0	4	3	1	1	1	0	0	13	8	5	0	4
Tana River	3	16	2	5	2	4	0	0	2	0	6	2	5	0	1	1
Tharaka Nithi	7	61	6	4	15	21	3	2	8	1	2	18	11	3	0	33
Trans Nzoia	6	71	1	0	6	10	1	2	3	1	0	11	12	3	0	7
Turkana	7	0	0	0	1	0	0	0	1	0	4	4	2	0	0	1
Uasi Gishu	12	586	34	28	25	985	13	13	14	5	0	91	72	10	2	29
Vihiga	8	34	10	0	7	30	3	2	4	3	0	13	13	1	0	4
Wajir	11	38	3	1	1	4	1	0	6	1	3	3	14	2	1	5
West Pokot	5	11	7	0	4	19	0	0	2	0	1	6	4	0	2	7
Kenya	607	6295	772	120	875	3273	338	216	460	130	175	1419	1564	334	111	648

## 4.4 Transport availability

The SARAM documented the different forms of transport available across the Country. Motor cycles are the most common form of transport, followed by utility vehicles. There is a wide disparity across Counties regarding availability of transport in general, and ambulances in particular as shown in the table below.

**Table 44: County specific availability of different forms of transport**

County	County population	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
			Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
Baringo	629,183	169	9	11		51		6	0.96	0.06
Bomet	820,154	111	6	20		37		4	0.4	0.18
Bungoma	1,847,063	141	8	27	6	48		8	0.52	0.18
Busia	552,754	80	2	5	6	4		2	0.24	0.06
ElgeyoMarakwet	419,030	116	14	16		50		12	2.88	0.13
Embu	584,620	149	30	70	1	41		29	5.23	0.47
Garissa	705,627	129	32	17	11	59		8	1.29	0.13
Homa Bay	1,091,515	180	4	12		2		4	0.38	0.07
Isiolo	162,283	41	2	6				2	1.27	0.14
Kajiado	778,394	224	14	28	4	50		14	1.78	0.12
Kakamega	1,880,718	229	7	18	8	32		7	0.41	0.08
Kericho	858,833	174	18	23		9		18	2.12	0.13
Kiambu	1,838,397	346	27	56		31		25	1.51	0.16
Kilifi	1,256,796	199	20	32	20	77		14	1.13	0.14
Kirinyaga	598,031	142	8	7	1	3		7	1.23	0.05
Kisii	1,304,981	140	4	8		8		4	0.32	0.06
Kisumu	1,097,307	154	1	10	1	7		1	0.09	0.06
Kitui	1,146,912	313	17	46	19	100		14	1.23	0.14
Kwale	736,059	95	13	24	11	87		6	0.82	0.25
Laikipia	452,132	86	11	22		40		11	2.42	0.24
Lamu	114,995	42	3	8		35	3	3	2.64	0.19
machakos	1,244,167	255	12	40	61	83		12	1	0.13
makueni	1,001,743	184	13	23	12	32		12	1.25	0.12
Mandera	1,161,688	64	5	18	10	38		3	0.71	0.26
marsabit	329,751	89	5	24	16	62		3	0.94	0.26
Meru	1,536,036	361	13	37	10	20		12	1	0.09
Migori	1,038,712	169	7	16	3	14		7	0.69	0.09
Mombasa	1,063,854	293	11	31	1	17		11	1.09	0.08
Muranga	1,067,490	184	7	13		15		7	0.73	0.07
Nairobi	3,554,261	868	103	361		17		101	2.8	0.41
Nakuru	1,815,795	317	25	69	9	41		25	1.38	0.21
Nandi	852,747	175	7	19	11	43		6	0.71	0.1
Narok	963,683	129	7	23	1	18		6	0.63	0.17
Nyamira	677,532	114	10	20		25		8	1.22	0.18
Nyandarua	675,285	116	7	12	3	22		7	2.1	0.1
Nyeri	785,467	245	12	34	1	17		12	1.61	0.13
Samburu	253,624	71	6	22		88		6	2.4	0.29
Siaya	953,925	155	1	9		28		1	0.11	0.06
TaitaTaveta	322,379	81	8		2	6		8	3.12	0
Tana River	271,889	49	8	22	22	41		6	2.23	0.45
TharakaNithi	413,743	116	4	10	7	33		3	0.75	0.09
Trans Nzoia	927,258	137	8	18		18		6	0.69	0.13
Turkana	968,755	136	10	19		38		8	0.95	0.13
UasiGishu	1,012,674	146	6	7	14	11		5	0.49	0.04
Vihiga	628,120	87	13	31		6		13	2.11	0.36
Wajir	749,660	110	5	6		19		5	0.67	0.05
West Pokot	580,631	84	12	20	10	92		10	1.72	0.21
Kenya	43,726,652	7995	575	1370	281	1615	3	502	1.22	0.16

## 4.5 Medical equipment availability

The SARAM also documented the availability of different equipments across the Country. The equipments were captured based on the service units within the facility that they were utilized. The availability of the specific service units with required equipment, by County are shown in the table below.

**Table 45: Availability of different service units by County**

County	Total number of facilities	Facilities with specific service Units														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
Baringo	169	21	44	10	38	3	2	2	1	2	3	1	2	3	1	3
Bomet	111	0	34	10	27	3	3	1	1	2	2	1	3	2	2	3
Bungoma	141	20	42	20	34	12	5	4	1	5	4	1	3	5	4	2
Busia	80	17	25	9	18	11	3	1	1	3	1	1	1	3	2	1
Elgeyo-Marakwet	116	0	22	6	20	5	3	3	1	2	3	0	2	3	1	3
Embu	149	22	48	22	37	8	3	3	2	2	2	0	4	3	2	4
Garissa	129	20	29	13	21	4	2	2	0	2	2	0	1	3	0	1
Homa Bay	180	55	67	19	52	17	4	5	1	4	3	1	3	6	2	3
Isiolo	41	7	15	3	11	1	1	1	0	0	2	1	1	1	0	1
Kajiado	224	0	69	26	68	12	6	5	2	3	2	2	3	3	2	2
Kakamega	229	47	73	20	51	15	4	2	2	5	5	3	3	7	4	3
Kericho	174	0	55	15	40	8	6	4	4	4	5	2	3	5	3	3
Kiambu	346	74	134	52	98	24	10	10	7	7	6	5	10	11	7	5
Kilifi	199	52	63	26	57	12	5	3	3	3	3	2	4	5	3	3
Kirinyaga	142	22	44	21	38	7	3	3	1	2	1	0	1	2	1	2
Kisii	140	45	48	18	40	21	5	3	3	7	2	1	5	8	3	6
Kisumu	154	49	57	28	58	27	7	6	4	8	3	3	4	10	4	6
Kitui	313	57	79	24	71	14	3	4	2	4	4	1	3	3	1	3
Kwale	95	26	37	12	24	5	2	2	1	1	0	0	1	2	2	1
Laikipia	86	15	28	13	25	4	1	2	1	1	1	0	1	3	0	1
Lamu	42	9	16	5	12	4	2	0	1	1	1	0	1	1	1	1
Machakos	255	53	84	29	63	17	4	3	2	3	2	1	4	4	4	3
Makueni	184	46	68	23	47	5	2	3	1	2	1	1	2	3	2	3
Mandera	64	12	14	5	10	3	2	2	1	2	1	0	1	2	1	0
Marsabit	89	15	22	9	22	5	2	2	1	1	2	1	1	3	1	1
Meru	361	36	67	37	66	15	7	6	4	6	4	2	5	8	4	5
Migori	169	48	58	19	47	22	4	2	4	3	2	1	2	5	3	4
Mombasa	293	48	71	41	77	19	10	7	6	6	5	1	6	7	4	5
Muranga	184	28	77	30	49	9	5	5	3	2	1	1	2	4	2	4
Nairobi	868	92	173	96	209	53	18	16	14	18	11	8	19	15	13	7
Nakuru	317	64	118	47	98	19	11	10	6	9	3	2	6	10	6	9
Nandi	175	25	37	11	30	7	1	2	0	1	1	1	1	2	1	2
Narok	129	27	41	11	30	7	2	2	1	3	2	0	2	2	1	1
Nyamira	114	36	45	11	34	7	1	1	1	2	1	1	1	2	1	1
Nyandarua	116	32	49	15	34	7	3	3	1	2	1	1	2	3	1	2
Nyeri	245	26	73	30	56	14	7	7	5	5	7	5	7	7	4	7
Samburu	71	12	19	4	16	5	1	1	1	1	0	1	1	1	1	1
Siaya	155	50	62	19	49	16	3	1	2	3	2	0	2	4	1	4
Taita Taveta	81	21	32	10	24	3	2	1	1	1	1	0	1	1	1	1
Tana River	49	8	18	1	13	1	1	1	0	1	0	0	0	1	1	1
Tharaka Nithi	116	7	27	12	32	2	3	3	0	2	2	1	1	3	1	2
Trans-Nzoia	137	23	35	13	26	5	2	3	1	1	1	0	1	3	1	1
Turkana	136	14	22	6	23	3	2	2	0	2	2	0	0	3	1	3
Uasin Gishu	146	31	52	19	36	10	4	3	2	2	3	2	2	4	1	3
Vihiga	87	17	27	8	17	7	3	1	1	1	1	0	1	1	1	1
Wajir	110	15	15	7	14	3	2	2	0	0	1	0	0	2	1	0
West Pokot	84	8	21	4	14	3	1	2	0	1	0	0	0	2	1	1
Kenya	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

Availability of specific equipment in these service units is shown in the proceeding tables.

**Table 46: County specific availability of Maternity unit equipment**

	No of facilities	No with maternity units	Total number of maternity unit equipment												
			Baby cot	Delivery bed	Fetus detector/monitor/Doppler	Infant Incubator	Patient monitor	Oxygen concentrator/cylinder with a flow meter	Manual vacuum aspiration set.	Phototherapy unit	Infant weighing scale	Adult weighing scale	Autoclave	Wheel chair	Refrigerator
Baringo	169	21	21	42	12	6	4	10	15	4	46	46	31	8	24
Bomet	111	0	16	48	18	7	1	13	11	4	48	38	25	18	20
Bungoma	141	20	14	61	10	10	4	19	25	3	42	28	15	11	14
Busia	80	17	12	41	21	9	1	11	19	5	33	19	25	13	15
Elgeyo-Marakwet	116	0	13	26	15	5	2	11	16	1	44	30	22	11	13
Embu	149	22	17	40	10	10	3	15	18	7	41	41	37	17	27
Garissa	129	20	14	32	15	7	6	12	16	6	37	38	35	17	19
Homa Bay	180	55	50	120	51	23	24	31	37	9	113	99	69	39	48
Isiolo	41	7	6	15	5	2	0	5	6	1	12	17	9	9	10
Kajiado	224	0	36	83	46	21	10	39	52	9	76	91	72	40	62
Kakamega	229	47	44	111	34	23	6	31	48	9	92	68	67	41	34
Kericho	174	0	27	69	26	12	7	18	24	9	75	72	46	21	34
Kiambu	346	74	69	102	60	36	17	62	58	32	127	126	104	72	103
Kilifi	199	52	26	100	28	14	10	33	46	11	97	104	93	41	77
Kirinyaga	142	22	18	31	16	9	3	20	19	8	33	35	37	23	28
Kisii	140	45	38	91	41	22	11	33	29	5	92	86	59	39	43
Kisumu	154	49	40	85	41	26	17	44	43	6	95	89	57	50	42
Kitui	313	57	27	141	57	8	6	16	32	5	124	149	87	35	59
Kwale	95	26	15	61	15	6	1	10	21	2	55	50	59	15	22
Laikipia	86	15	11	26	15	6	4	11	12	5	34	30	22	9	15
Lamu	42	9	5	22	6	4	1	5	6	1	14	21	17	3	13
Machakos	255	53	38	111	39	13	3	24	36	7	120	116	76	38	68
Makueni	184	46	46	118	32	9	6	23	31	2	99	90	79	25	37
Mandera	64	12	11	23	11	5	1	7	14	4	23	27	17	8	9
Marsabit	89	15	14	28	10	5	3	13	11	2	34	31	23	12	14
Meru	361	36	30	60	22	18	7	33	26	13	77	68	45	30	40
Migori	169	48	41	113	48	15	22	21	42	6	102	99	51	31	29
Mombasa	293	48	28	68	29	19	16	36	40	18	82	92	71	54	76
Muranga	184	28	21	55	37	11	3	15	23	3	48	49	43	16	34
Nairobi	868	92	75	115	71	47	39	86	73	35	137	150	140	94	132
Nakuru	317	64	54	100	45	30	23	56	55	17	122	93	89	58	85
Nandi	175	25	20	48	19	8	3	15	20	4	46	56	32	23	26
Narok	129	27	19	44	24	14	10	16	19	9	51	60	40	19	25
Nyamira	114	36	22	84	43	13	11	16	26	3	83	78	54	17	20
Nyandarua	116	32	26	56	27	12	7	25	25	6	60	60	52	23	39
Nyeri	245	26	20	47	14	18	0	30	26	10	51	44	31	21	28
Samburu	71	12	10	21	10	3	1	6	6	2	30	37	13	7	13
Siaya	155	50	30	106	42	23	14	33	44	9	103	96	66	42	47
Taita Taveta	81	21	10	40	17	7	1	12	17	3	47	45	43	13	20
Tana River	49	8	1	24	3	3	3	2	4	0	26	21	8	4	4
Tharaka Nithi	116	7	7	14	9	7	3	8	8	1	11	8	9	5	3
Trans-Nzoia	137	23	17	38	20	13	4	21	19	7	43	41	27	20	23
Turkana	136	14	8	17	5	1	0	5	8	0	42	44	15	11	30
Uasin Gishu	146	31	33	55	24	12	13	28	21	9	57	44	49	27	33
Vihiga	87	17	16	42	16	7	1	11	16	1	40	25	22	9	14
Wajir	110	15	8	31	23	7	1	6	13	0	25	33	28	5	11
West Pokot	84	8	7	19	3	6	0	4	5	1	14	17	10	8	10
Kenya	7995	1472	1131	2824	1185	592	333	1001	1181	314	2903	2801	2121	1152	1592

**Table 47: County specific availability of MCH / FP unit equipment**

	No of facilities	No with MCH/FP units	Total number of MCH / FP unit equipment										
			Cold boxes	Electric cookers	Infant weighing scale	Refrigerator, KEPI	Tape measure	Weighing scale adult	Wheel chair adult	IUD Insertion/removal set	Implant insertion set	Implant removal kit	Autoclave
Baringo	169	44	85	8	102	89	28	89	7	24	22	14	20
Bomet	111	34	82	13	79	67	23	65	9	9	6	8	15
Bungoma	141	42	61	18	68	75	34	70	15	37	40	33	16
Busia	80	25	32	8	51	55	18	37	4	18	26	18	7
Elgeyo-Marakwet	116	22	33	10	54	44	15	40	8	7	10	9	12
Embu	149	48	62	11	85	76	26	86	13	51	43	32	45
Garissa	129	29	40	7	49	64	37	63	8	10	10	11	22
Homa Bay	180	67	116	30	116	99	61	104	31	53	46	39	44
Isiolo	41	15	27	3	24	34	12	26	8	5	7	6	13
Kajiado	224	69	110	17	104	102	63	116	34	56	46	48	66
Kakamega	229	73	112	36	119	112	46	109	21	77	73	55	42
Kericho	174	55	100	24	111	92	40	107	17	23	27	24	36
Kiambu	346	134	167	27	189	182	139	201	57	142	125	122	122
Kilifi	199	63	79	18	105	105	55	114	27	46	44	41	63
Kirinyaga	142	44	48	4	68	58	62	71	15	55	33	29	40
Kisii	140	48	85	12	99	62	35	72	23	35	37	31	34
Kisumu	154	57	97	22	103	66	63	81	32	40	45	38	42
Kitui	313	79	119	13	143	144	75	165	22	47	51	43	49
Kwale	95	37	54	9	60	62	40	61	9	30	27	23	31
Laikipia	86	28	37	12	53	50	28	53	12	17	19	14	12
Lamu	42	16	18	3	22	26	20	30	7	9	11	11	14
Machakos	255	84	121	29	153	143	80	142	27	65	61	51	49
Makueni	184	68	95	13	121	115	59	127	18	54	50	41	57
Mandera	64	14	24	8	23	30	15	27	5	5	6	3	7
Marsabit	89	22	37	3	49	54	16	43	7	8	12	7	9
Meru	361	67	96	15	119	118	67	129	22	45	46	37	40
Migori	169	58	85	24	93	80	66	75	26	51	55	45	38
Mombasa	293	71	88	25	103	80	64	112	49	67	57	62	73
Muranga	184	77	103	18	106	110	70	121	22	88	66	64	78
Nairobi	868	173	197	59	233	211	193	258	109	175	130	151	185
Nakuru	317	118	167	29	186	198	101	178	48	109	107	88	86
Nandi	175	37	66	7	88	80	23	68	10	14	15	17	22
Narok	129	41	68	13	77	73	42	78	19	18	19	15	30
Nyamira	114	45	85	24	93	80	66	75	26	51	55	45	38
Nyandarua	116	49	69	17	77	69	39	74	14	58	39	43	43
Nyeri	245	73	88	17	102	96	64	111	25	96	65	64	74
Samburu	71	19	34	3	36	37	15	45	5	4	14	5	8
Siaya	155	62	88	35	105	85	72	93	27	44	43	41	46
Taita Taveta	81	32	49	8	57	57	25	55	11	22	24	21	24
Tana River	49	18	38	1	39	35	21	28	3	5	6	4	15
Tharaka Nithi	116	27	23	1	31	49	43	55	12	27	20	13	22
Trans-Nzoia	137	35	45	12	64	61	27	60	9	29	28	23	25
Turkana	136	22	35	1	44	51	29	47	7	5	4	5	9
Uasin Gishu	146	52	96	17	98	77	31	80	20	42	37	36	42
Vihiga	87	27	31	10	44	41	19	38	4	40	33	24	14
Wajir	110	15	19	5	25	58	6	29	2	3	5	4	9
West Pokot	84	21	33	5	48	44	19	48	6	5	4	4	13
Kenya	7995	2356	3434	694	4000	3778	2167	3949	898	1910	1735	1555	1796

**Table 48: County specific availability of Theatre equipment**

	No of hospitals	No with theatres	Total number of theatre equipments available											
			Anaesthetic Machine	Defibrillator	Laryngo-scope	Oxygen Regulator	Vital Signs Monitor	Autoclave	Electrosurgical Unit	Operating Theatre Lamp, Ceiling Mounted	Pulse oximeter	Refrigerator	Suction machine, electric	Theatre Bed
Baringo	7	2	3	1	3	3	1	2	0	3	2	3	3	3
Bomet	5	3	2	2	3	3	3	3	2	3	4	2	3	3
Bungoma	11	5	7	4	7	6	5	6	0	6	5	4	6	6
Busia	7	3	4	1	3	4	1	4	1	4	2	3	3	4
Elgeyo Marakwet	9	3	3	2	4	4	3	4	1	3	2	1	4	3
Embu	8	3	5	1	3	3	3	4	1	4	2	4	5	5
Garissa	9	2	4	3	4	3	4	3	4	3	3	3	3	3
Homa Bay	13	4	5	3	5	5	5	4	3	5	5	2	4	5
Isiolo	3	1	1	0	1	1	1	1	1	1	1	1	1	1
Kajiado	30	6	7	6	8	6	8	11	5	8	8	8	7	8
Kakamega	16	4	6	2	5	5	4	5	1	3	5	4	6	5
Kericho	11	6	6	4	6	6	6	6	2	6	6	5	6	6
Kianbu	52	10	12	4	10	11	10	8	6	10	9	8	14	12
Kilifi	11	5	6	3	5	5	3	5	4	5	4	5	6	6
Kirinyaga	22	3	4	1	4	2	4	3	1	4	2	3	4	4
Kisii	18	5	7	4	3	7	7	5	5	7	2	2	5	6
Kisumu	17	7	9	2	8	7	7	6	5	8	6	7	10	9
Kitui	13	3	5	1	4	5	3	4	1	6	2	1	4	6
Kwale	4	2	1	0	1	1	1	2	0	2	1	1	2	0
Lakipia	4	1	2	1	1	1	2	2	0	2	2	2	2	1
Lamu	3	2	3	1	0	1	2	2	0	2	1	3	2	3
machakos	8	4	5	1	5	5	4	4	3	4	5	3	5	5
makueni	12	2	4	0	1	3	3	3	1	4	0	2	4	5
Mandera	5	2	3	1	3	2	3	1	1	2	1	1	2	3
marasabit	4	2	2	1	2	3	2	3	2	2	2	1	3	3
Meru	25	7	9	5	8	8	7	7	3	7	7	7	10	9
Migori	13	4	4	3	5	5	5	5	3	5	5	1	5	5
Mombasa	15	10	11	8	10	11	10	11	7	10	8	11	10	10
Muranga	10	5	6	4	6	4	6	6	2	6	4	5	7	6
Nairobi	78	18	16	9	15	15	16	15	7	16	15	17	17	17
Nakuru	17	11	13	5	9	11	12	11	9	12	10	10	13	11
Nandi	5	1	2	1	2	2	1	2	0	2	1	1	2	3
Narok	7	2	1	1	1	1	1	1	1	1	1	1	1	1
Nyamira	8	1	1	1	0	0	1	1	0	1	0	0	1	1
Nyandarua	13	3	3	3	3	4	4	2	1	3	4	4	2	4
Nyeri	40	7	9	5	9	8	8	9	5	8	7	5	9	9
Samburu	4	1	1	0	1	1	1	1	0	1	1	1	2	1
Siaya	8	3	4	3	4	4	3	1	2	3	4	2	4	4
Taita Taveta	3	2	2	1	2	2	1	2	0	2	1	2	2	2
Tana River	3	1	1	1	1	2	1	2	0	2	2	0	2	2
Tharaka Nithi	7	3	4	1	4	2	3	4	1	3	3	2	4	4
Trans Nzoia	6	2	2	1	2	2	1	2	1	2	1	1	2	1
Turkana	7	2	2	0	1	2	2	2	1	2	1	2	3	2
Uasin Gishu	12	4	5	2	5	5	5	5	2	4	3	3	5	5
Vihiga	8	3	3	1	3	3	3	2	2	3	1	3	3	3
Wajir	11	2	4	1	4	3	3	4	0	3	2	2	4	4
West Pokot	5	1	1	0	2	2	2	1	0	2	1	1	2	0
Kenya	607	181	220	105	196	199	191	197	97	205	164	160	224	219

**Table 49: County specific availability of CSSD and imaging units equipment**

	No of hospitals	No with CSSD units	No with imaging units	Total number of CSSD equipments					Total number of imaging unit equipments				
				CSSD					IMAGING UNIT				
				Autoclave, large	Instrument drying cabinet	Sterilizing drums (assorted)	X-ray unit	Ultra sound unit (general)	OPG Unit	Radiography unit	Radioactive isotopes		
Baringo	7	2	1	3	1	2	2	2	1	0	0	0	0
Bomet	5	1	1	2	0	1	2	2	0	1	0	0	0
Bungoma	11	4	1	5	2	5	3	3	0	1	0	0	0
Busia	7	1	1	2	0	2	2	2	0	1	0	0	0
Elgeyo Marakwet	9	3	1	3	2	4	1	1	0	1	1	0	0
Embu	8	3	2	3	2	3	4	3	0	2	0	0	0
Garissa	9	2	0	3	3	3	2	2	1	1	1	1	1
Homa Bay	13	5	1	5	3	6	2	2	0	1	1	1	1
Isiolo	3	1	0	1	1	2	1	1	0	0	0	0	0
Kajiado	30	5	2	4	4	6	5	6	1	2	2	2	2
Kakamega	16	2	2	2	1	3	2	3	1	1	1	1	1
Kenicho	11	4	4	5	2	5	6	6	2	5	1	1	1
Kiambu	52	10	7	10	5	11	11	12	2	6	0	0	0
Kilifi	11	3	3	3	1	4	7	6	2	2	0	0	0
Kinnyaga	22	3	1	3	2	4	1	1	0	1	1	0	0
Kisii	18	3	3	4	1	4	6	6	1	2	0	0	0
Kisumu	17	6	4	7	4	8	8	7	1	3	3	3	3
Kitui	13	4	2	5	2	4	4	4	1	3	0	0	0
Kwale	4	2	1	1	0	1	0	1	0	0	0	0	0
Laikipia	4	2	1	2	2	2	1	1	0	1	1	0	0
Lamu	3	0	1	0	0	1	2	2	0	0	0	1	1
machakos	8	3	2	3	2	3	4	4	0	3	0	0	0
makueni	12	3	1	4	1	4	2	2	0	0	0	0	0
Mandera	5	2	1	2	1	2	1	1	0	1	1	0	0
marsabit	4	2	1	1	0	1	1	1	0	0	0	0	0
Meru	25	6	4	8	5	6	8	7	0	2	2	2	2
Migori	13	2	4	3	0	3	5	5	3	3	3	3	3
Mombasa	15	7	6	9	6	5	11	10	2	5	1	1	1
Muranga	10	5	3	6	4	6	4	5	1	2	3	3	3
Nairobi	78	16	14	13	8	16	17	22	6	8	4	4	4
Nakuru	17	10	6	11	6	13	12	9	2	5	2	2	2
Nandi	5	2	0	2	1	2	0	0	0	0	0	0	0
Narok	7	2	1	1	1	1	1	1	0	1	1	0	0
Nyamira	8	1	1	2	1	1	1	1	1	0	1	1	1
Nyandarua	13	3	1	4	2	3	2	3	1	0	0	0	0
Nyeri	40	7	5	9	5	7	10	10	0	3	0	0	0
Samburu	4	1	1	1	1	1	1	1	1	1	1	0	0
Siaya	8	1	2	1	1	2	3	3	0	2	1	1	1
Taita Taveta	3	1	1	1	1	1	2	2	0	0	0	0	0
Tana River	3	1	0	1	0	1	1	0	0	0	0	0	0
Tharaka Nithi	7	3	0	3	2	3	1	1	0	0	0	0	0
Trans Nzoia	6	3	1	2	2	4	1	1	0	1	1	0	0
Turkana	7	2	0	1	1	3	1	0	0	0	0	0	0
Uasi Gishu	12	3	2	4	2	4	3	3	0	3	2	2	2
Vihiga	8	1	1	0	1	1	2	2	0	2	0	0	0
Wajir	11	2	0	2	1	2	2	2	0	0	0	0	0
West Pokot	5	2	0	2	1	2	0	0	0	0	1	1	1
Kenya	607	153	97	170	95	179	170	171	30	76	30	30	30

**Table 50: County specific availability of Laboratory unit equipment**

	No. of facilities	No with laboratories	Total numbers of laboratory units equipments																					Refrigerator for reagents
			Analytic weighing balance	Binocular microscope	Blood bank refrigerator	Blood cell counter	Calometer	Centrifuge	Glucose meter	Haemoglobin omeiter	Weighing scale adult	Hot air oven	Bilirubin meter	Incubator, laboratory	pH meter	Water distiller	Electrophoresis apparatus	Neluber chamber	Autoclave	CD4 Machine	ECT Machine	Dissecting microscope	CO <sub>2</sub> jar	
Baringo	169	10	11	30	6	6	8	37	32	29	7	2	2	5	3	3	0	6	5	0	0	2	0	23
Bomet	111	10	11	32	5	8	11	29	23	42	9	4	4	2	3	3	0	5	2	1	0	2	1	17
Burgoma	141	20	18	86	12	13	19	62	52	58	11	8	6	10	6	7	0	13	10	4	0	4	5	32
Busa	80	9	10	39	8	6	12	28	24	24	1	6	1	6	0	1	0	5	3	2	0	0	2	22
Elgeyo Marakwet	116	6	6	25	5	3	6	21	18	11	1	4	1	4	3	1	0	2	4	1	0	2	0	9
Embu	149	22	16	86	13	16	17	58	68	54	13	11	2	18	3	2	1	7	16	2	0	1	8	64
Garissa	129	13	9	48	5	10	10	31	42	43	11	6	4	8	9	3	0	4	13	2	1	0	4	22
Homa Bay	180	19	17	68	9	10	17	51	52	57	16	13	9	9	5	9	1	7	13	11	0	2	4	30
Isiolo	41	3	3	12	1	1	2	13	6	5	5	1	1	1	1	0	0	3	3	1	0	0	1	7
Kajiado	224	26	25	70	15	25	28	77	76	67	28	11	7	20	9	9	2	15	23	4	1	1	6	55
Kakamega	229	20	17	85	12	13	27	54	63	52	5	9	3	13	3	6	2	11	7	9	1	4	2	43
Keicho	174	15	10	47	8	7	11	49	45	53	11	8	3	10	3	5	0	10	10	3	0	1	4	34
Kisumu	346	52	35	137	22	31	43	156	172	120	61	27	13	29	15	24	6	21	44	12	5	21	13	135
Kilifi	199	26	21	82	9	30	21	66	81	63	23	16	7	15	4	7	3	27	23	5	1	4	5	53
Kirinyaga	142	21	19	71	8	11	22	64	78	53	19	7	6	10	5	5	2	11	15	2	1	3	5	52
Kisii	140	18	22	69	12	13	12	44	46	46	17	11	3	10	7	10	2	10	19	5	0	3	8	34
Kisumu	154	28	32	66	18	26	26	54	64	61	25	22	14	24	24	20	2	20	31	13	2	4	15	50
Kilui	313	24	14	93	9	6	14	68	77	73	30	12	4	9	15	12	0	8	14	4	0	2	7	48
Kwale	95	12	8	37	3	10	8	27	36	42	12	5	3	11	4	5	0	7	15	1	1	3	2	23
Lakipia	86	13	13	32	7	8	8	30	39	28	14	13	7	10	5	3	4	10	16	2	0	0	4	29
Lamu	42	5	7	12	3	5	6	11	12	9	3	2	1	6	3	2	2	4	2	0	0	1	2	11
mechakos	255	29	29	93	8	13	28	66	97	67	34	16	6	21	10	9	4	14	27	5	0	3	8	69
makueni	184	23	23	77	7	9	25	67	77	62	20	11	2	17	7	6	2	8	16	6	2	5	5	49
Mandera	64	5	3	19	3	5	3	17	17	12	7	0	1	1	2	1	0	2	8	0	0	1	1	14
mersabit	89	9	15	23	7	11	13	18	20	20	10	3	6	5	7	9	1	3	10	3	0	2	0	16
Meru	361	37	23	134	16	22	27	111	127	87	33	13	13	20	11	6	0	10	25	7	2	5	10	107
Migori	169	19	26	74	21	13	13	41	49	51	23	10	5	12	10	9	1	7	17	4	1	1	6	29
Mombasa	293	41	29	116	21	38	38	107	114	87	40	26	13	29	16	19	11	34	39	10	2	6	15	86
Muranga	184	30	17	103	11	15	29	93	113	85	19	9	9	12	14	8	2	5	14	2	5	5	7	75
Nairobi	868	96	112	224	49	84	92	241	240	188	102	81	52	92	45	50	15	50	109	26	13	12	41	202
Nakuru	317	47	42	121	22	38	47	139	152	109	42	24	18	38	19	12	7	23	33	6	10	9	14	102
Nandi	175	11	10	33	5	6	8	41	34	39	5	3	2	4	2	4	1	6	2	1	2	2	0	27
Narok	129	11	10	34	4	10	14	34	28	29	13	7	2	9	3	4	2	5	5	2	0	1	1	14
Nyamira	114	11	6	45	2	1	3	32	43	33	11	4	1	3	1	5	0	4	6	2	0	0	4	25
Nyandarua	116	15	10	42	6	8	14	52	51	40	7	4	3	10	5	1	1	5	12	3	4	2	4	37
Nyeri	245	30	26	88	11	19	27	94	113	80	8	11	9	17	8	11	2	10	18	8	1	6	9	82
Samburu	71	4	4	10	1	3	3	12	10	12	3	1	1	1	1	2	1	2	3	0	0	1	1	10
Siaya	155	19	21	66	18	15	12	47	44	58	19	11	5	6	7	8	3	6	13	7	0	5	6	43
Taita Taveta	81	10	8	35	5	5	8	24	30	24	11	4	1	6	1	2	0	5	10	3	0	1	2	28
Tana River	49	1	2	5	1	0	1	4	6	3	1	1	0	0	1	0	0	2	1	0	0	0	1	3
Tharaka Nithi	116	12	5	62	4	3	7	30	51	37	8	4	2	9	2	2	0	5	6	3	0	2	2	22
Trans Nzoia	137	13	16	40	6	5	17	49	37	38	10	5	3	9	4	4	0	5	14	2	0	0	2	25
Turkana	136	6	8	14	1	6	5	14	16	16	12	2	2	3	5	3	1	1	5	2	0	1	1	9
Uasin Gishu	146	19	21	48	11	17	26	51	43	41	17	17	12	13	11	7	3	14	18	0	0	5	5	31
Vihiga	87	8	6	30	4	7	8	24	28	27	2	5	1	8	4	2	1	3	2	2	0	1	1	14
Wajir	110	7	9	28	3	5	7	21	23	18	5	2	4	4	3	1	0	3	4	1	0	0	2	14
West Pokot	84	4	6	26	3	2	4	13	9	9	2	0	0	2	1	1	0	3	2	0	0	1	0	9
Kenya	7995	885	811	2817	440	618	807	2472	2678	2262	766	472	274	581	330	323	85	441	707	189	55	137	246	1935

**Table 51: County specific availability of OPD and minor theatre equipment**

	No of facilities	No with OPD's	No with minor theatres	Total number of OPD and minor theatre equipments											Minor theatre
				OPD											
				Examination couch	Infant weighing scale	Screen bed	Weighing scale adult	Wheel chair adult	Diagnostic set	X-Ray viewer	Suction machine, electrical	Oxygen Set	Operating table, simple	Examination couch metal/wooden	
Baringo	169	38	3	129	77	1	90	8	24	3	5	6	1	4	
Bomet	111	27	3	89	45	0	61	13	16	2	4	5	2	4	
Bungoma	141	34	12	107	49	0	64	28	23	9	14	8	10	13	
Busia	80	18	11	58	25	1	34	15	10	6	8	4	7	14	
Egeyo Marakwet	116	20	5	74	35	0	38	13	7	1	8	5	3	6	
Embu	149	37	8	111	55	0	82	17	30	12	14	11	7	9	
Garissa	129	21	4	64	30	3	50	12	18	2	3	4	4	4	
Homa Bay	180	52	17	132	101	2	114	36	34	9	14	13	15	18	
Isiolo	41	11	1	33	19	1	24	8	7	1	5	2	1	0	
Kajiado	224	68	12	149	94	35	119	47	66	18	40	31	10	14	
Kakamega	229	51	15	164	64	0	115	36	42	10	20	9	13	17	
Kericho	174	40	8	123	73	2	92	18	21	8	13	7	6	9	
Kericho	346	98	24	236	140	18	189	74	89	41	51	39	16	31	
Kilifi	199	57	12	144	82	32	109	34	37	12	36	21	8	15	
Kirinyaga	142	38	7	103	48	9	86	17	35	11	15	12	6	8	
Kisii	140	40	21	96	80	1	89	28	30	10	14	14	18	23	
Kisumu	154	58	27	120	100	6	110	48	52	20	29	27	28	26	
Kitui	313	71	14	235	110	3	184	33	43	7	18	7	9	18	
Kwale	95	24	5	78	26	12	58	17	13	3	6	1	4	5	
Lakipia	86	25	4	69	38	2	50	12	28	3	13	9	3	5	
Lamu	42	12	4	32	14	6	26	5	10	2	4	3	3	5	
machakos	255	63	17	193	104	1	146	32	40	15	22	13	12	21	
makueni	184	47	5	152	75	3	107	28	35	6	6	9	3	6	
Mandera	64	10	3	29	15	2	22	3	6	4	5	1	3	3	
marakwet	89	22	5	62	37	0	48	10	18	5	9	5	5	5	
Meru	361	66	15	212	94	1	145	33	41	22	24	19	12	17	
Migori	169	47	22	121	88	4	100	29	36	10	19	15	20	24	
Mombasa	293	77	19	170	88	9	149	74	86	33	45	27	18	19	
Muranga	184	49	9	148	73	13	103	25	43	12	14	8	8	9	
Nairobi	868	209	53	388	271	64	346	171	188	115	120	125	52	54	
Nakuru	317	98	19	238	131	79	189	56	78	26	44	35	17	21	
Nandi	175	30	7	94	43	9	60	19	16	5	13	7	3	10	
Narok	129	30	7	75	51	10	59	23	20	5	12	8	5	8	
Nyamira	114	34	7	98	65	1	79	17	25	5	15	4	6	7	
Nyandarua	116	34	7	83	45	9	63	16	47	15	12	11	6	7	
Nyeri	245	56	14	157	62	12	107	30	80	20	21	13	11	17	
Samburu	71	16	5	49	31	0	42	4	10	1	5	2	3	6	
Siaya	155	49	16	130	80	3	103	40	35	12	22	16	14	17	
Taita Taveta	81	24	3	63	26	27	48	14	21	4	6	3	2	4	
Tana River	49	13	1	36	24	17	24	2	8	0	4	0	1	0	
Tharaka Nithi	116	32	2	90	69	6	68	18	15	4	6	8	3	1	
Trans Nzoia	137	26	5	76	37	1	55	18	27	5	10	6	3	7	
Turkana	136	23	3	57	57	1	61	8	5	1	5	4	3	3	
Uasin Gishu	146	36	10	96	64	0	74	26	23	8	16	14	9	11	
Vihiga	87	17	7	62	23	0	32	9	18	4	6	2	5	8	
Wajir	110	14	3	63	15	2	30	3	6	1	6	2	2	4	
West Pokot	84	14	3	49	27	1	30	6	8	2	2	1	2	3	
Kenya	7995	1972	471	5337	3000	409	4074	1233	1570	530	803	596	402	540	

**Table 52: County specific availability of Pharmacy, eye, ENT and dental unit equipments**

	No of hospitals	No with pharmacy units	No with eye units	No with ENT units	No with dental units	Total numbers of equipments for pharmacy, eye, ENT, dental units										DENTAL UNIT			
						PHARMACY					EYE UNIT					ENT			
						Pharmaceutical Fridge	Precision Balance	Weighing scale (electronic)	Eye Chart E-type	Eye charts	Direct Ophthalmoscope	ENT Diagnostic Set	Audiometer diagnostic	ENT Treatment Chair	ENT Table	Amalgamator	Dental chair unit	Suction machine	X-ray viewer
Baringo	7	2	3	1	2	6	0	0	3	4	3	2	1	1	1	3	3	3	0
Bomet	5	2	2	1	3	3	1	1	2	2	2	2	1	1	1	3	4	3	1
Bungoma	11	5	4	1	3	8	3	3	5	3	4	3	1	1	0	3	4	4	1
Busia	7	3	1	1	1	7	0	1	0	1	1	2	0	1	1	1	1	1	1
Elgeyo Marakwet	9	2	3	0	2	4	1	0	2	3	3	1	0	0	0	2	2	1	1
Embu	8	2	2	0	4	6	0	0	2	2	2	0	0	0	0	4	4	3	3
Garissa	9	2	2	0	1	5	2	2	2	1	2	1	0	0	0	2	2	1	2
Homa Bay	13	4	3	1	3	7	3	1	3	5	2	1	1	1	1	3	2	3	3
Isiolo	3	0	2	1	1	1	0	0	2	2	1	1	0	1	1	1	1	0	0
Kajiado	30	3	2	2	3	11	4	0	4	3	3	3	1	1	1	4	6	6	4
Kakamega	16	5	5	3	3	11	1	2	6	6	3	4	3	2	1	3	4	3	3
Kenicho	11	4	5	2	3	8	2	1	6	4	4	3	1	1	1	3	3	3	2
Kianbu	52	7	6	5	10	14	3	3	4	6	6	8	3	2	3	12	12	9	6
Kilifi	11	3	3	2	4	6	1	1	3	3	2	3	2	3	1	5	5	4	2
Kimunga	22	2	1	0	1	4	1	0	2	1	1	0	0	0	0	1	2	2	0
Kisii	18	7	2	1	5	14	5	2	3	3	1	2	1	1	1	5	5	4	5
Kisumu	17	8	3	3	4	13	7	4	3	3	3	4	2	2	2	5	5	3	4
Kilui	13	4	4	1	3	6	3	3	4	4	4	2	0	1	1	2	3	3	2
Kwale	4	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0
Lakipia	4	1	1	0	1	2	0	0	1	1	1	1	0	0	0	1	2	1	1
Lamu	3	1	1	0	1	2	0	0	1	1	1	0	0	0	0	1	2	0	1
Machakos	8	3	2	1	4	6	3	1	2	1	2	3	0	0	0	4	5	4	2
Makueni	12	2	1	1	2	5	0	1	1	2	1	1	0	1	1	2	4	2	0
Mandera	5	2	1	0	1	3	2	1	0	1	1	1	0	0	0	1	1	0	0
Marsabit	4	1	2	1	1	2	0	0	3	4	0	2	0	1	0	1	2	1	0
Meru	25	6	4	2	5	14	4	1	4	4	3	3	2	2	1	5	6	5	3
Migori	13	3	2	1	2	8	1	1	2	2	1	1	2	1	0	3	2	2	0
Montessa	15	6	5	1	6	11	4	4	6	3	6	2	2	1	0	5	7	6	4
Muranga	10	2	1	1	2	5	2	0	3	1	0	1	1	1	1	1	3	1	3
Nairobi	78	18	11	8	19	25	8	11	7	10	8	10	3	5	4	17	18	19	10
Nakuru	17	9	3	2	6	14	6	5	3	4	3	4	1	1	1	6	8	6	3
Nandi	5	1	1	1	1	4	0	0	2	0	1	2	0	0	0	2	2	0	0
Narok	7	3	2	0	2	3	1	0	1	1	1	0	0	0	0	1	2	2	1
Nyamira	8	2	1	1	1	5	1	1	1	1	0	1	1	1	1	1	1	1	0
Nyandania	13	2	1	1	2	5	1	1	1	1	1	2	1	0	1	2	2	2	1
Nyeri	40	5	7	5	7	10	2	2	6	7	8	8	4	5	3	8	10	7	4
Samburu	4	1	0	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	0
Siaya	8	3	2	0	2	6	3	1	2	3	1	0	0	0	0	3	3	2	1
Tata Taveta	3	1	1	0	1	2	1	0	1	1	0	1	0	0	0	2	1	1	1
Tana River	3	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	1	0	0
Tharaka Nithi	7	2	2	1	1	6	1	0	2	2	2	2	0	0	0	1	1	1	0
Trans Nzoia	6	1	1	0	1	4	0	0	1	1	1	0	0	1	0	1	1	1	0
Turkana	7	2	2	0	0	4	2	1	3	3	1	1	0	0	0	0	0	0	0
Uasin Gishu	12	2	3	2	2	6	0	1	4	4	2	4	1	1	1	2	2	1	2
Vihiga	8	1	1	0	1	3	0	0	2	0	0	0	0	0	0	1	1	1	0
Wajir	11	0	1	0	0	1	0	0	1	1	1	0	0	0	0	0	2	1	0
West Pokot	5	1	0	0	0	3	0	0	0	0	0	1	0	0	0	0	1	0	0
Kenya	607	148	112	53	125	297	81	57	116	115	94	94	35	40	31	134	160	125	77

**Table 53: County specific availability of ward equipment**

	No of hospitals	No with wards	Total number of ward equipments											
			Commode chair	Cool box	Hospital bed	Baby cot	Examination lamp, mobile	Infant weighing scale	Refrigerator	Tape measure	Weghing scale adult with height measuring	Wheel chair adult	Manual sudion machine	Oxygen giving set
Barrago	7	3	0	1	6	5	2	3	1	2	2	3	2	4
Bomet	5	2	0	1	5	1	2	1	1	1	1	2	2	2
Bungoma	11	5	2	1	10	5	4	7	3	4	3	5	4	8
Busia	7	3	2	3	7	3	0	3	0	1	1	6	5	3
Egeyo Marakwet	9	3	2	1	7	5	4	3	1	2	2	4	5	3
Embu	8	3	0	1	7	5	3	3	1	2	1	6	4	5
Garissa	9	3	1	3	6	4	3	5	4	4	3	4	5	4
Homa Bay	13	6	4	3	10	8	6	4	4	3	6	6	7	8
Isiolo	3	1	0	1	2	2	1	2	1	1	1	1	1	1
Kajiado	30	3	0	2	1	2	4	4	3	2	4	4	4	2
Kakamega	16	7	3	4	15	9	9	6	2	7	4	8	9	8
Kericho	11	5	1	3	8	5	7	7	4	3	4	7	5	7
Kiambu	52	11	3	6	16	13	12	10	7	10	11	15	11	13
Kilifi	11	5	4	1	8	3	6	4	5	5	6	6	6	4
Kirinyaga	22	2	0	0	2	4	1	4	1	3	3	1	2	3
Kisii	18	8	4	7	14	12	6	8	2	6	6	6	11	8
Kisumu	17	10	6	11	16	5	9	10	6	7	10	11	11	13
Kitui	13	3	2	1	7	3	2	0	0	1	4	2	5	4
Kwale	4	2	0	0	2	2	0	1	0	1	1	1	1	2
Lakipia	4	3	2	3	4	3	4	3	2	3	1	2	4	3
Lamu	3	1	0	0	2	0	0	0	0	0	0	2	1	1
machakos	8	4	1	4	6	6	5	4	4	2	3	4	4	5
makueni	12	3	1	1	6	4	5	5	2	2	0	5	4	2
Mandera	5	2	1	1	3	4	1	2	2	0	2	1	3	0
masabiti	4	3	2	3	4	3	3	4	1	3	3	3	3	2
Meru	25	8	1	6	13	6	7	9	5	7	8	10	10	9
Migori	13	5	3	4	11	4	7	4	3	5	6	6	6	4
Mombasa	15	7	6	6	7	8	9	7	9	7	6	7	8	7
Muranga	10	4	2	4	5	2	3	4	2	2	4	4	5	5
Nairobi	78	15	9	11	17	13	14	13	10	13	11	15	8	15
Nakuru	17	10	5	8	13	9	10	11	8	8	8	11	8	12
Nandi	5	2	1	0	5	4	2	2	0	0	1	4	4	4
Narok	7	2	0	1	3	2	1	2	0	2	2	3	1	1
Nyamira	8	2	0	1	5	1	5	2	0	2	2	3	2	1
Nyeri	13	3	1	2	3	2	5	4	3	1	3	2	4	5
Nyandarua	40	7	3	6	10	6	9	9	7	7	5	4	9	8
Nyjeri	4	1	1	1	2	1	1	1	1	1	1	2	2	1
Samburu	4	1	1	1	2	1	1	1	1	1	1	2	1	1
Siaya	8	4	1	1	5	4	6	4	4	2	3	4	8	3
Taita Taveta	3	1	1	1	2	2	2	1	2	0	0	2	0	2
Tana River	3	1	0	1	1	0	0	1	0	0	0	2	2	2
Tharaka Nithi	7	3	2	2	6	4	4	4	2	3	2	3	3	5
Trans Nztia	6	3	1	2	4	4	4	1	1	3	2	3	3	4
Turkana	7	3	0	2	5	2	3	4	1	1	2	4	3	3
Uasin Gshu	12	4	2	2	7	5	6	3	3	3	3	5	5	5
Vihiga	8	1	0	0	3	1	2	2	1	0	1	2	1	2
Wajir	11	2	1	0	6	2	2	3	1	3	2	2	4	3
West Pokot	5	2	0	1	5	3	2	4	0	3	4	2	2	2
Kenya	607	166	81	124	312	201	203	198	120	148	193	215	217	218

**Table 54: County specific availability of physiotherapy unit equipment**

	No of hospitals	No with physiotherapy units	No of physiotherapy unit equipments										
			TENS Unit	Stimulator, electric	Static bicycle	Wheel chair	Walking frame	Cervical traction	Lumber traction	Cryotherapy	Phototherapy unit		
Baringo	7	1	2	1	2	0	2	2	1	1	1	1	
Bomet	5	2	2	1	3	1	2	2	1	1	1	3	
Bungoma	11	4	4	4	6	3	4	4	3	6	1	3	
Busia	7	2	3	2	4	2	4	4	0	2	1	0	
Elgeyo Marakwet	9	1	2	1	1	1	2	2	1	1	1	1	
Embu	8	2	4	2	3	3	4	4	2	1	0	1	
Garissa	9	0	1	2	3	1	1	1	1	1	2	1	
Homa Bay	13	2	3	3	3	4	3	3	1	0	0	1	
Isiolo	3	0	0	1	1	1	1	1	0	0	0	0	
Kajiado	30	2	2	3	4	3	2	2	1	1	1	0	
Kakamega	16	4	5	3	6	5	5	3	3	3	2	2	
Kericho	11	3	4	2	1	3	4	4	1	3	4	2	
Kisumu	52	7	8	5	6	7	9	3	3	4	4	5	
Kilifi	11	3	5	3	3	1	4	4	4	3	2	2	
Kirinyaga	22	1	1	2	1	1	1	1	0	0	0	1	
Kisii	18	3	2	3	2	5	5	2	2	3	2	3	
Kisumu	17	4	3	4	6	6	6	1	1	2	2	2	
Kitui	13	1	1	0	2	1	2	0	0	0	0	1	
Kwale	4	2	1	2	2	1	1	1	1	2	1	1	
Lakipia	4	0	0	0	1	1	0	1	1	1	0	0	
Lamu	3	1	1	0	2	1	2	0	0	0	0	1	
machakos	8	4	6	3	6	4	6	4	4	3	4	2	
makueni	12	2	3	3	5	3	2	2	0	0	0	0	
Mandera	5	1	0	1	1	1	1	1	1	1	1	1	
marasabit	4	1	2	2	2	1	1	1	0	1	0	0	
Meru	25	4	4	4	7	6	6	2	2	2	2	4	
Migori	13	3	4	4	2	2	2	2	2	1	4	2	
Mombasa	15	4	6	3	6	5	6	3	3	3	6	2	
Muranga	10	2	2	1	4	3	3	1	1	1	3	1	
Nairobi	78	13	14	11	12	14	16	9	10	11	3	6	
Nakuru	17	6	6	9	6	9	7	5	6	3	3	4	
Nandi	5	1	2	1	2	0	1	0	1	1	1	1	
Narok	7	1	1	1	1	0	1	0	0	0	0	0	
Nyamira	8	1	1	1	2	0	1	1	2	2	0	0	
Nyandarua	13	1	2	2	3	1	3	1	0	0	0	0	
Nyeri	40	4	6	5	8	4	4	4	3	2	4	4	
Samburu	4	1	1	1	1	1	1	0	1	0	0	0	
Siaya	8	1	1	0	3	1	1	0	0	0	0	0	
Taita Taveta	3	1	1	1	2	0	0	1	1	0	1	0	
Tana River	3	1	1	0	1	2	2	0	0	0	0	0	
Tharaka Nithi	7	1	2	1	2	2	2	1	1	1	1	1	
Trans Nzoia	6	1	1	2	1	1	1	1	1	1	1	0	
Turkana	7	1	0	1	2	1	1	1	1	1	1	0	
Uasin Gishu	12	1	1	0	0	2	2	0	0	1	2	1	
Vihiga	8	1	1	1	2	1	1	1	1	1	0	0	
Wajir	11	1	0	1	0	1	1	0	0	1	1	1	
West Pokot	5	1	1	1	1	1	1	0	1	1	1	1	
Kenya	607	102	123	104	144	116	137	66	75	72	62		

**Table 55: County specific availability of sanitation and mortuary equipments**

County	No of hospitals	No with mortuary units	Autopsy table	Cold room units	Viewing table	Preparation table
Baringo	7	3	3	2	3	3
Bomet	5	3	3	3	3	3
Bungoma	11	2	4	3	1	1
Busia	7	1	1	2	1	1
Elgeyo-Marakwet	9	3	3	3	2	4
Embu	8	4	4	5	3	5
Garissa	9	1	1	1	2	1
Homa Bay	13	3	3	3	3	3
Isiolo	3	1	1	1	0	1
Kajiado	30	2	2	2	1	1
Kakamega	16	3	3	3	1	3
Kericho	11	3	4	3	2	1
Kiambu	52	5	5	6	3	5
Kilifi	11	3	2	3	2	3
Kirinyaga	22	2	2	1	2	2
Kisii	18	6	6	6	5	5
Kisumu	17	6	7	5	6	6
Kitui	13	3	3	1	3	3
Kwale	4	1	1	1	0	1
Laikipia	4	1	1	1	1	0
Lamu	3	1	0	1	1	1
Machakos	8	3	3	4	2	3
Makueni	12	3	3	3	2	2
Mandera	5	0	0	0	0	0
Marsabit	4	1	1	1	1	0
Meru	25	5	4	4	4	6
Migori	13	4	4	4	4	4
Mombasa	15	5	5	4	5	5
Muranga	10	4	3	3	3	3
Nairobi	78	7	5	7	7	6
Nakuru	17	9	5	10	10	9
Nandi	5	2	2	1	2	1
Narok	7	1	1	1	0	1
Nyamira	8	1	1	1	0	1
Nyandarua	13	2	0	2	2	3
Nyeri	40	7	6	8	7	6
Samburu	4	1	1	0	0	1
Siaya	8	4	4	4	3	3
Taita Taveta	3	1	1	2	1	0
Tana River	3	1	0	0	1	1
Tharaka Nithi	7	2	3	2	2	2
Trans-Nzoia	6	1	1	1	0	1
Turkana	7	3	2	2	3	3
Uasin Gishu	12	3	3	2	2	3
Vihiga	8	1	1	0	1	1
Wajir	11	0	0	0	0	0
West Pokot	5	1	1	1	1	1
Kenya	607	120	119	123	108	119

## 4.6 Health Workforce availability

The human resource for health is one of the key health sector pillars for service interventions and inputs. From the SARAM information, the different health workforce cadres are found across the Counties. Of the total human Resources for Health (HRH) work force, 56% are females with the highest concentration in the nursing, clerks, medical social workers and supportive staff cadres with over 55%. Major Disparities were in economists, occupational therapists, medical engineering, environmental health and drivers with more than two thirds in one gender or sex. The doctor population ratio was less than one (<1) to 10,000 population but the nurse population ratio was 3 per 10,000 and 1 registered clinical officer to 10,000 population. The rest are all less than one (<1) per 10,000 persons. The numbers by gender/sex and health worker densities are shown below.

**Table 56: Human Resource for Health classification per cadre density and sex**

Sno	Cadres	Total numbers	Cadres per 10,000 population	Male	Female	% male	% female
1	Medical officers	2239	0.54	1565	674	69.9%	30.1%
2	RCO	4723	1.13	3056	1667	64.7%	35.3%
3	BSC Nursing	772	0.19	268	504	34.7%	65.3%
4	KRCHN	14214	3.41	3970	10244	27.9%	72.1%
5	KECHN	9201	2.21	2380	6821	25.9%	74.1%
6	Occupational Therapist	310	0.07	217	93	70.0%	30.0%
7	Dentist	186	0.04	116	70	62.4%	37.6%
8	Dental Technologist	180	0.04	108	72	60.0%	40.0%
9	Pharmacists	552	0.13	333	219	60.3%	39.7%
10	Pharmaceutical Technologist	1144	0.27	610	534	53.3%	46.7%
11	Physiotherapist	477	0.11	319	158	66.9%	33.1%
12	Orthopaedic technologist	144	0.03	97	47	67.4%	32.6%
13	Medical Social worker	291	0.07	99	192	34.0%	66.0%
14	Plaster technicians	206	0.05	85	121	41.3%	58.7%
15	Laboratory Technologists	2909	0.70	1708	1201	58.7%	41.3%
16	Laboratory Technician	1515	0.36	715	800	47.2%	52.8%
17	Health Record & Information Officers	497	0.12	267	230	53.7%	46.3%
18	Health Record & Information Technicians	347	0.08	148	199	42.7%	57.3%
19	Nutritionists	496	0.12	136	360	27.4%	72.6%
20	Public health officer	1232	0.30	872	360	70.8%	29.2%
21	Public health technician	737	0.18	539	198	73.1%	26.9%
22	Health Administrative Officer	413	0.10	282	131	68.3%	31.7%
23	Medical Engineering	417	0.10	344	73	82.5%	17.5%
24	ICT Officer	207	0.05	119	88	57.5%	42.5%
25	Procurement Officer	239	0.06	138	101	57.7%	42.3%
26	Accountant	583	0.14	368	215	63.1%	36.9%
27	Drivers	845	0.20	796	49	94.2%	5.8%
28	Clerk/cashier	2492	0.60	917	1575	36.8%	63.2%
29	Cooks	452	0.11	168	284	37.2%	62.8%
30	Store Man	131	0.03	80	51	61.1%	38.9%
31	Support Staff (Casuals)	9682	2.32	4277	5405	44.2%	55.8%
32	Trained CHW	395	0.09	169	226	42.8%	57.2%
33	Radiographer	347	0.08	262	85	75.5%	24.5%
34	Community Oral H/ Officer	150	0.04	72	78	48.0%	52.0%
35	Biochemist	10	0.00	4	6	40.0%	60.0%
36	Economist	6	0.00	6		100.0%	0.0%
37	Social Worker	28	0.01	9	19	32.1%	67.9%
38	Other	8306	1.99	4124	4182	49.7%	50.3%
	Kenya	67075	16.08	29743	37332	44.3%	55.7%

Most of the specialisations were general physicians, pharmacists, public health specialists and midwifery across all counties. It is important to note that some specializations were not found in some counties. These staff cadres are distributed at the County level as shown overleaf.

Table 57: Availability of different Specializations, by County

County	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologist s	ENT specialist	Dermatologist	Anesthesiologist s	Pathologist	Radiologist	Ophthalmologist s	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anesthesiologi st	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
Baringo	1	3	2	2				1		2						14		123			3		38	913	1102
Bomet			2													5		26					2	774	809
Bungoma	37	3	5	5			1	13		7	1	3				18		23	4		4	1	18	1321	1464
Busia	1	1	3	2				6		2						10		16					12	820	873
Elgeyo Marakwet	5		2	1			3			4						1		67			1	1	9	488	582
Embu	14	7	8	9	8		12	12	1	19	5	5				54	12	53	23	8	8	14	81	2622	2966
Garissa	9	6	1	4			3	3		1	1	1	1			30		25	4	1	1	4	4	1142	1249
Homa Bay	17	2	4			2		2		1						16		21	1	3		1	41	1067	1178
Isiolo	1	2	2	1	1		3	2		2						4		3	1	1				527	560
Kajiado	2	3	4	3				1		2		1				11		12				1	3	469	512
Kakamega	10	3	7	5		3	6	13		9	2	3			1	37		30	6	3	1	5	61	1966	2159
Kericho	10	1	5	3			3	1		5		1				22		29	7	2	2	2	37	944	1074
Kiambu	41	9	18	13		5	2	3		11	3	8		3		93		60	7	5	3	10	145	3383	4022
Kilifi	1	2	7	1			3	2		4						20		58	2		1	2		1036	1192
Kirinyaga	1	1	2	1		1				2						22		13			1		11	1135	1190
Kisii	15		5	2						1						7		34	2	1			67	542	676
Kisumu	30	6	14	8		1		1		4	2	13				26		35	5	8	6	2	40	883	1084
Kitui	3	7	7	6		1	5	2		2		1				22		54	6	1	2	2	37	1334	1492
Kwale	1	1	2	1						3						6		55	2			1	39	686	797
Laikipia	4	2	2	3			2	3		10		2				28		42	4				18	1282	1402
Lamu	1			5			1			1						2		2						130	142
Machakos	20	8	16	7		3	3	4		17	2	2		1	1	34		71	10	1	6		65	2171	2442
Makueni	11	5	5	1		2				8						21		56			1		59	922	1091
Mandera	4	1					1			6						9		20					2	430	473
Marsabit	2		3	4				1		6		2				4		65	2				34	624	747
Meru	12	8	12	10		2	13	10		18	2	4			2	36		48	22	2	11	4	76	2313	2605
Migori	25	2	1	5			1	3		1						11		46		2		1	66	863	1027
Mombasa	34	44	42	23		3	6	9		33	2	25				159		39	26	32	20	13	85	4099	4694
Muranga	2		3			1	1	1								14		33				1	10	757	823
Nairobi	43	34	48	50	3	17	18	15	9	43	6	14		6	3	1		47	12	142	8	32	89	5167	5807
Nakuru	28	5	23	6		2	5	5		19	1	14		3		81		117	16	6	4	12	63	3463	3873
Nandi	8	4	4	5		1		1	1	4	3			2		9		20	2	17		2	47	989	1115
Narok	7	4	2	3												17		31	1			2	13	622	702
Nyamira	18	3	1	3				2								10		42	2	2			46	548	677
Nyandarua	31	5	2	1		1		2	3	4	6	2		1		6		14	13	3	4	1	84	938	1121
Nyeri	2	1	9	7		2	4	2		6	1	3				4		11	9	3	5	3	30	964	1066
Semburu			1				1			3						1		12			1		7	498	524
Siaya	19	5	6	1				1								27		36	1		3		36	893	1028
Taita Taveta	2	1	4	4				2		4		1				15		31	5		2		5	705	781
Tana River	1						1			1								20					41	190	254
Tharaka Nithi	1	1	5	1		2	1	4		3		2				24		34	1		1		16	1116	1212
Trans Nzoia	2	4	6	3	1	2	2	4		7						21		31		4			47	1117	1251
Turkana	1	3	1	1				2								8		11				1	1	422	451
Uasin Gishu	19	10	19	21	1	21	10	12	7	24		5				24		80		4	7		63	3796	4123
Vihiga	2	2	4	2			6	2		2						5		20	2		1		22	666	736
Wajir	2	1	1				3			1						17		26		2		1	2	824	880
West Pokot	1	1	4				1	5		3					1	15		65		1			3	957	1057
Kenya	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

The highest number of staff reported for any form of absence was in Mombasa (1253), Kiambu (628), Nakuru (557) and Machakos (521) Counties, while the largest proportion was reported in Nyeri 42%, Elgeyo Marakwet 40% and Kericho 34%. Availability of staff at the time of the survey is shown in table 59 below. Less than 10% of staff was not available at work, due to a variety of reasons, as shown in the table by County. Most absences were approved, followed by staff on maternity / sick leave, and then in trainings.

**Table 58: Staff availability, and reasons for absence**

County	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
Baringo	771	327	29.67%	3	312	3	0	2	2	1	4	1102
Bomet	665	137	16.93%	0	137	0	0	0	0	0	0	809
Bungoma	1282	159	10.86%	15	128	3	0	0	0	8	5	1464
Busia	751	117	13.40%	10	93	9	0	0	0	5	0	873
Elgeyo Marakwet	343	233	40.03%	5	228	0	0	0	0	0	0	582
Embu	2494	423	14.26%	29	227	10	0	0	1	10	146	2966
Garissa	1142	94	7.53%	11	52	7	16	0	1	5	2	1249
Homa Bay	927	238	20.20%	13	200	12	0	0	8	3	2	1178
Isiolo	522	27	4.91%	12	9	6	0	0	0	0	0	550
Kajiado	339	170	33.20%	1	34	0	0	0	0	0	135	512
Kakamega	1868	250	11.58%	26	185	3	0	0	0	19	17	2159
Kericho	708	365	33.99%	10	341	3	0	1	3	0	7	1074
Kiambu	3360	628	15.61%	19	302	1	0	0	1	15	290	4022
Kilifi	985	179	15.02%	9	134	5	0	0	0	15	16	1192
Kirinyaga	1120	68	5.71%	2	42	1	0	0	0	2	21	1190
Kisii	413	252	37.28%	12	207	5	0	0	0	11	17	676
Kisumu	827	244	22.51%	10	196	22	0	0	3	5	8	1084
Kitui	1272	208	13.94%	15	169	5	0	0	1	14	4	1492
Kwale	683	107	13.43%	2	39	0	0	0	5	0	61	797
Laikipia	1338	37	2.64%	0	27	1	0	0	0	9	0	1402
Lamu	142	0	0.00%	0	0	0	0	0	0	0	0	142
Machakos	1897	521	21.33%	17	69	4	0	0	2	3	426	2442
Makueni	839	239	21.91%	1	171	0	0	0	64	0	3	1091
Mandera	441	26	5.50%	3	17	3	0	0	2	0	1	473
Marsabit	589	155	20.75%	19	134	2	0	0	0	0	0	747
Meru	2253	344	13.21%	13	135	8	0	0	0	2	186	2605
Migori	713	290	28.24%	7	243	18	0	0	5	11	6	1027
Mombasa	3429	1253	26.69%	8	1157	17	0	0	0	6	65	4694
Muranga	748	75	9.11%	0	14	0	0	0	2	0	59	823
Nairobi	5379	404	6.96%	4	279	7	0	0	0	27	87	5807
Nakuru	3270	557	14.38%	13	316	5	0	0	5	2	216	3873
Nandi	1110	4	0.36%	3	0	0	0	0	0	0	1	1115
Narok	567	134	19.09%	7	126	0	0	0	1	0	0	702
Nyamira	459	209	30.87%	8	149	29	0	0	3	18	2	677
Nyandarua	958	141	12.58%	4	46	37	0	0	0	5	49	1121
Nyeri	610	447	41.93%	9	361	1	0	0	0	1	75	1066
Samburu	486	35	6.68%	6	19	0	0	1	0	0	9	524
Siaya	732	279	27.14%	18	237	19	0	0	1	2	2	1028
Taita Taveta	730	43	5.51%	1	37	1	0	0	1	0	3	781
Tana River	160	74	29.13%	0	2	5	0	0	0	0	67	254
Tharaka Nithi	975	233	19.22%	2	23	0	0	0	11	0	197	1212
Trans Nzoia	1178	62	4.96%	7	42	3	0	0	1	3	6	1251
Turkana	328	120	26.61%	0	72	1	0	0	1	0	46	451
Uasin Gishu	3737	360	8.73%	31	325	2	0	0	0	0	2	4123
Vihiga	643	50	6.79%	12	31	2	0	0	0	4	1	736
Wajir	820	30	3.41%	9	14	2	0	1	4	0	0	880
West Pokot	1034	13	1.23%	2	11	0	0	0	0	0	0	1057
Kenya	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

On long term staff trainings, only 12% of the staff has undergone some form of training in the past 2 years. Out of the total staffs that have undergone longterm trainings, 4% of the healthworkers were on Masters Programmes, 13% on degree programmes, 51% on various Diploma programmes and the rest 32% on certificate programmes. Elgeyo Marakwet (40%), Nyeri (34%) and Kisii (33%) Counties had most health workers that have undergone some formal training in the past 2 years, while Isiolo had the lowest numbers of health workers that have undergone some formal training in the past 2 years. The breakdown of qualifications by County is shown in table 60 below.

**Table 59: Long term staff trainings in the past 2 years**

County	Total Staff	Number Long term Training	% - Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
Baringo	1102	322	29.22%	115	19	181	7	
Bomet	809	137	16.93%	63	7	65	2	
Bungoma	1464	136	9.29%	23	33	67	13	
Busia	873	98	11.23%	32	13	53		
Elgeyo Marakwet	582	234	40.21%	84	12	135	3	
Embu	2966	247	8.33%	31	32	161	23	
Garissa	1249	59	4.72%	3	20	30	6	
Homa Bay	1178	208	17.66%	59	11	136	2	
Isiolo	550	9	1.64%		7	1	1	
Kajiado	512	41	8.01%	8	2	20	11	
Kakamega	2159	193	8.94%	29	60	91	13	
Kericho	1074	347	32.31%	129	36	176	6	
Kiambu	4022	357	8.88%	114	34	179	26	4
Kilifi	1192	152	12.75%	37	49	57	9	
Kirinyaga	1190	52	4.37%	15	2	29	5	1
Kisii	676	223	32.99%	101	27	91	4	
Kisumu	1084	224	20.66%	72	22	116	13	1
Kitui	1492	177	11.86%	40	31	103	3	
Kwale	797	47	5.90%	8	14	25		
Laikipia	1402	28	2.00%		8	20		
Lamu	142	0	0.00%					
Machakos	2442	79	3.24%	19	15	33	12	
Makueni	1091	175	16.04%	73	14	86	2	
Mandera	473	18	3.81%	2	9	5	2	
Marsabit	747	136	18.21%	15	13	107	1	
Meru	2605	142	5.45%	23	42	73	4	
Migori	1027	275	26.78%	84	22	165	4	
Mombasa	4694	1173	24.99%	553	110	481	28	1
Muranga	823	20	2.43%	6	4	7		3
Nairobi	5807	326	5.61%	88	53	110	74	1
Nakuru	3873	349	9.01%	80	46	214	9	
Nandi	1115	2	0.18%			2		
Narok	702	127	18.09%	25	21	79	1	1
Nyamira	677	171	25.26%	44	41	71	15	
Nyandarua	1121	56	5.00%	18	14	17	6	1
Nyeri	1066	368	34.52%	117	74	161	8	8
Samburu	524	25	4.77%	7	2	16		
Siaya	1028	265	25.78%	92	24	146	3	
Taita Taveta	781	39	4.99%	9	11	17	2	
Tana River	254	55	21.65%	27		28		
Tharaka Nithi	1212	32	2.64%	9	6	16	1	
Trans Nzoia	1251	44	3.52%	9	4	29	2	
Turkana	451	100	22.17%	60	5	33	2	
Uasin Gishu	4123	356	8.63%	96	52	203	4	1
Vihiga	736	36	4.89%	6	5	21	2	2
Wajir	880	15	1.70%	3	7	5		
West Pokot	1057	11	1.04%	5		6		
Kenya	67075	7686	11.46%	2433	1033	3867	329	24

Finally, the short term staff trainings that had been provided to staff are shown, with the form of training highlighted in table 61 below. Most of the staffs have had short trainings in Child health, PMTCT, HIV and STI prevention, Antenatal care and financial management.

**Table 60: Numbers of staff participating in different forms of Short term trainings in the past 12 months by County**

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
Baringo	10	22	29	1	8	2	5	1	6	4	4		4	1043
Bomet	19	24	114	8	37		1	1	12	1	14	2	6	596
Bungoma	70	24	110	25	77	3	2	22	23	3	15	4	7	1084
Busia	30	35	79	2	47			1	10	1	5	11	2	618
Elgeyo Marakwet	15	13	108	6	25	1	1	4	1	11	7	14	9	404
Embu	71	37	163	19	177	33	49	33	46	20	68	33	71	1026
Garissa	65	109	133	65	142	16	3	21	30	11	47	48	45	507
Homa Bay	95	88	198	41	169	46	25	56	35	16	30	14	50	890
Isiolo	3	1	4	3	2				6	1	2	2	1	8
Kajiado	8	6	14		10		2	12	4		7		9	444
Kakamega	58	38	196	37	139	9	22	17	23	5	22	7	16	1064
Kericho	47	44	86	33	62	41	39	64	28	13	38	29	14	907
Kiambu	57	41	190	10	106	10	4	18	14	2	94	73	22	3060
Kilifi	98	59	117	7	79	7	6	21	70	5	15	7	8	627
Kirinyaga	6	7	19		20	1				4	1		2	550
Kisii	42	46	95	30	88	12	4	15	30	2	5	9	17	378
Kisumu	68	44	106	7	129	3	3	23	17	2	1	3	21	863
Kitui	29	55	130	12	79	15	9	17	22	6	64	9	34	871
Kwale		1	1		5						2		1	563
Laikipia	18	18	21	3	23	2	7		1	2	6	1		743
Lamu														
machakos	81	98	259	19	261	32	82	11	108	9	85	39	46	1564
makueni	80	99	152	6	80	62	13	32	60	4	84	29	22	673
Mandera			1		2	1		6	8					456
marsabit	71	12	103	5	41	12	2	11	20	1	7	3	31	345
Meru	60	43	209	17	159	36	22	36	37	10	24	22	18	1727
Migori	45	40	122	26	112	4	5	13	56	49	39	15	62	723
Mombasa	71	79	200	38	222	38	7	93	28	63	54	7	42	1270
Muranga	2	4	30		13	1	1	1	1		3		1	726
Nairobi	7	10	3	11		5	1	1	5	10	8	8	17	633
Nakuru	45	48	223	18	133	6	20	23	17	9	193	214	38	2496
Nandi	13	12	166	76	59	12		2	7	2	18	3	30	690
Narok	46	40	71	25	78	8	18	4	7		3	1	4	359
Nyamira	21	26	82	41	71	8	8	27	18	3	4	4	7	500
Nyandarua	5	4	9		2	1					3			937
Nyeri	18	17	28	1	4	3	2		1				4	928
Samburu	4	3	11	1	46				3	2	5	3		234
Siaya	36	40	111	24	97	12	1	20	33	4	11	4	14	775
Taita Taveta	77	63	72	12	67	60	56	53	4		4		13	631
Tana River	12	22	33	31	27	15	12	9	9			1		155
Tharaka Nithi	10	4	34	1	13			1	1		5		4	846
Trans Nzoia	5		4	1	8	2	5				2			1225
Turkana	63	50	103		75	32	11	38	22	8	11	13	16	268
Uasi Gishu	1	1	50		20		5	2	1	9	2	11	1	949
Vihiga	29	10	38	4	32	3	4	3	3		5		4	584
Wajir	195	36	85	26	93	30	2	57	47	4	7	7	118	446
West Pokot	84	51	89		10				8		73	46	35	702
Kenya	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

## 4.7 Health products availability

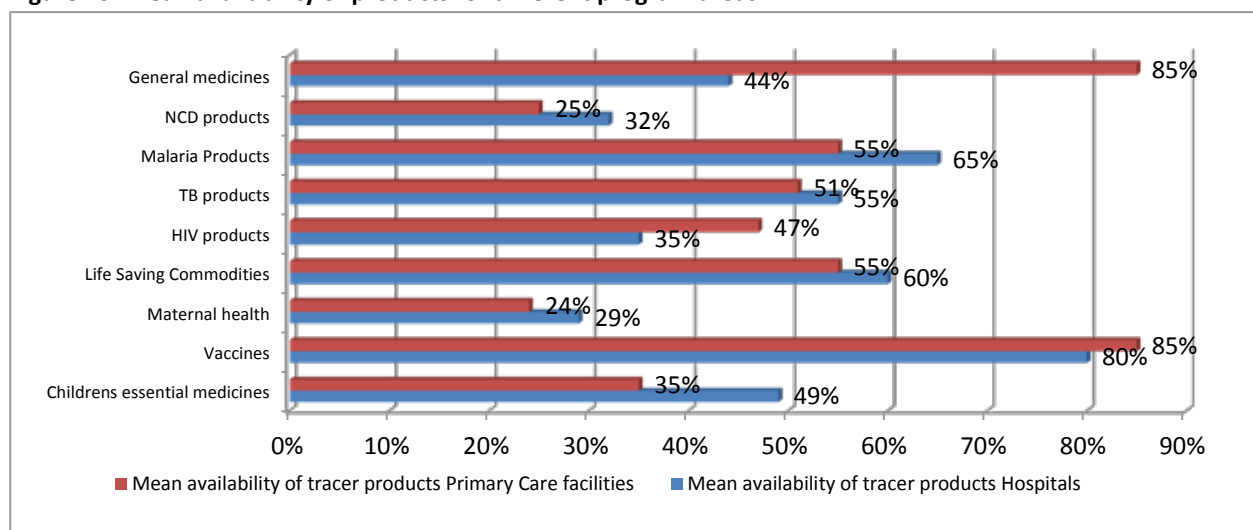
Health products are varied and cover a wide variety of different elements. The SARAM looked at availability of a few tracer commodities for different priority outcome areas for the health sector, to assess their availability. The priority outcome areas for which the SARAM reviewed availability of tracer commodities are shown below, with the selected tracer products.

**Table 61: Tracer products and priority outcomes**

Priority areas	essential medicines for children	vaccines	essential health products for maternal health	life saving commodities	HIV products	TB products	malaria products	NCD products	general medicines
Tracer commodities	Amoxicillin syrup / suspension Ampicillin powder for injection Ceftriaxone powder for injection Gentamycin injectable Procaine benzyl penicillin ORS sachets Zinc tablets ACT Vitamin A capsules Morphine granule (inj / cap) Paracetamol syrup	Measles vaccine Pentavalent vaccine Oral polio vaccine BCG vaccine Tetanus toxoid vaccine PCV-10 vaccine Rotavirus vaccine Rabies vaccine Yellow fever vaccine HPV vaccine Typhoid vaccine	Oxytocin injectable Sodium Chloride injectable Calcium gluconate injectable Magnesium sulphate injectable Ampicillin powder for injection Gentamycin injectable Metronidazole injectable Misoprostol cap / tab Benzathine benzyl penicillin Beta/dexamethasone injectable Nifedipine cap / tab	Oxytocin Misoprostol Magnesium sulphate Procaine Benzylpenicillin Gentamicin Ceftriaxone Antenatal corticosteroids Skin disinfectant Amoxicillin syrup Amoxicillin 500mg cap/tab Oral rehydration salts Zinc Female condoms	ZDV ZVD Syrup NVP D4T + 3TC + NVP AZT + 3TC AZT + 3TC + NVP TDF + 3TC + NVP TDF + 3TC + EFV All 1 <sup>st</sup> line drugs	Streptomycin 1gm injection Isoniazid Rifampicin Isoniazid + Rifampicin Isoniazid + Rifampicin + pyrazinamide Isoniazid + Rifampicin + Ethambutol Isoniazid + Rifampicin + pyrazinamide + Ethambutol	ACT Quinine 300gm Injectable Artemether oily injection Sulfadoxine + pyrimethamine tabs Paracetamol cap / tab ITN's Spray pumps for IRS RDT's IRS protective gear	Metformin cap / tab Insulin injection Glucose 50% (or 10%) inj Enalapril 5mg tab/cap Furosemide 40mg tabs Atenolol 50mg cap/tab Amlodipine 5mg tab Aspirin 300mg tab Beclomethasone 50mcg/dose inhaler Prednisolone cap/tab Hydrochloriazide 25mg tab Epinephrine injection	Normal saline (sodium chloride) IV solution Ringers lactate (sodium lactate) IV solution 5% dextrose IV solution 10% dextrose IV solution 50% dextrose IV solution Fluconazole Inj 2mg/ml (for fungal infections) Skin disinfectant Absorbable suture material Non-absorbable suture material Ketamine (injection) Lignocaine 1% or 2% (anaesthesia) Thiopentone 500mg or 1gm inj (powder) Suxamethonium bromide 50mg/ml inj (powder) Atropine 1mg/ml injection Diazepam 5mg/ml injection Halothane 250ml inhalation Bupivacaine spinal 0.5% spinal injection Epinephrine 1mg/ml injection Ephedrine (injection)

Mean availability of these tracer commodities is shown in the figure below.

**Figure 13: Mean availability of products for different program areas**



At the primary care facility level, health products for general services, and vaccines are the most available (85% of facilities have these), while those for NCD, maternal health and children essential medicines are the least available (25%, 24% and 35% of facilities having these, respectively).

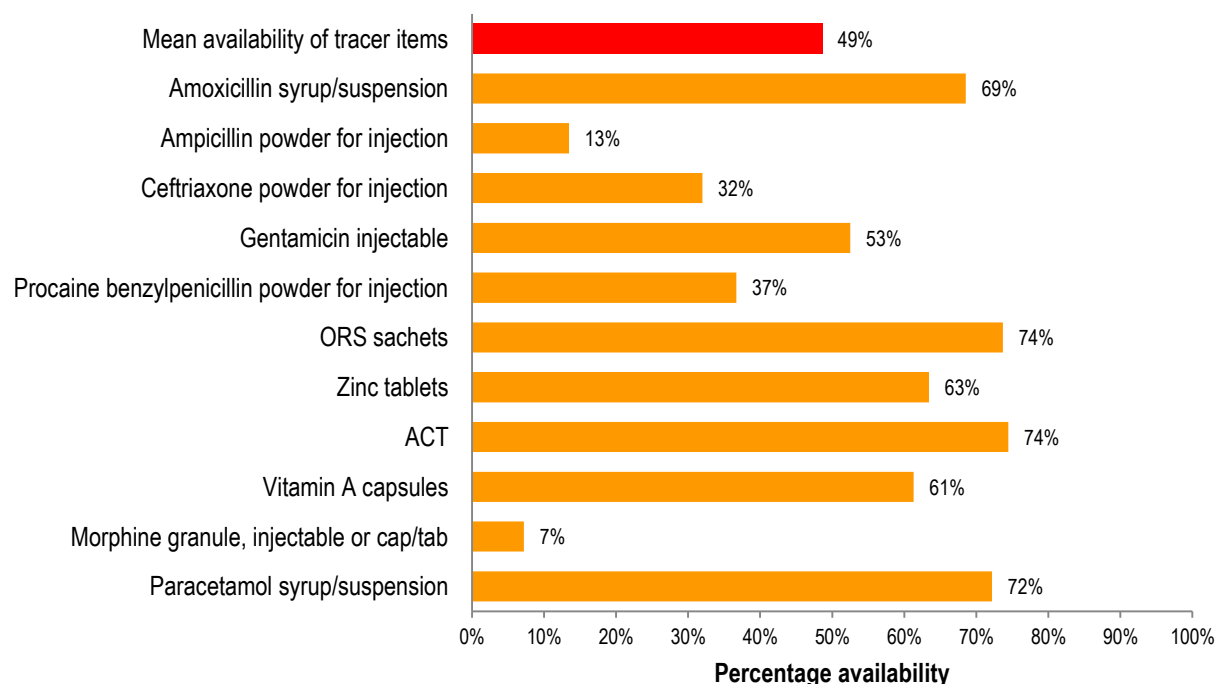
The picture is slightly different at the hospital level, with the most available products being vaccines, malaria commodities, life saving commodities and TB products (80%, 65%, 60% and 55% of facilities having these), while the least available at this level were again maternal health products, NCD products (29% and 32% respectively). The largest difference between hospitals and primary care facilities are in general medicines which are more available at the primary care level.

The following sections look at the specific availability of different commodities within each priority area – nationally and by County.

#### 4.7.1 Availability of essential medicines for children

The overall health facilities with all tracer items for essential medicines and medical services for children was 49% with 69% of the health facilities with Amoxicillin syrup/suspensions, 74% with ORS sachets, 63% with Zinc tablets, 74% with ACTs, 61% with Vitamin A capsules and 72% of the health facilities with stocked paracetamol syrups. Items that were not commonly available were Ampicillin powder for injections and Morphine granule injectable or caps/tabs. Maternity and Nursing homes had mean availability of 62%, Hospital 60% followed by health centres with 57%. This was more in private not-for-profit (54%) and in rural facilities (51%). The mean availability of essential medicines for children is shown below.

**Figure 14: Percentage of facilities that have essential medicines for children observed in stock and valid (N=7396)**



The percentage of facilities having the different tracer commodities for children, by County, is shown below.

**Table 62: Percentage of facilities having the different tracer commodities for children, by County**

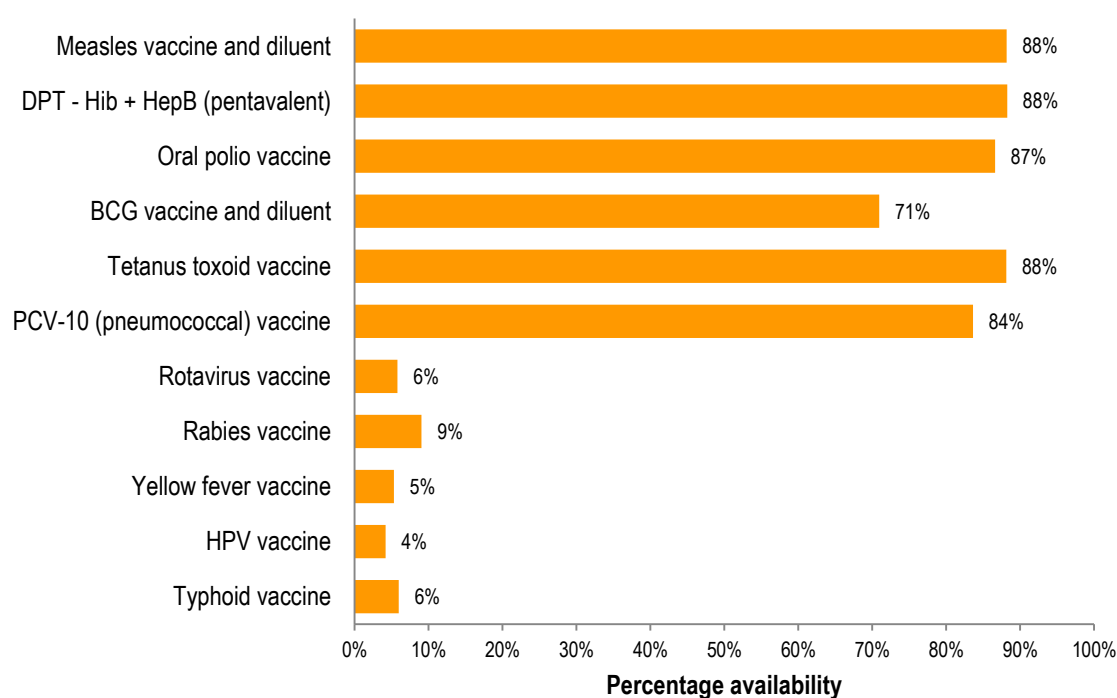
County	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for children										Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules			
Baringo	169	49%	79%	12%	10%	56%	31%	84%	76%	81%	65%	2%	72%	
Bomet	111	55%	84%	11%	13%	33%	33%	96%	85%	97%	81%	5%	83%	
Bungoma	141	49%	67%	12%	26%	56%	36%	77%	66%	81%	68%	4%	72%	
Busia	80	52%	70%	12%	22%	67%	29%	84%	76%	89%	80%	4%	78%	
Elgeyo-Marakwet	116	48%	82%	9%	15%	42%	26%	85%	75%	85%	46%	7%	78%	
Embu	149	54%	82%	9%	33%	63%	29%	81%	74%	88%	80%	5%	79%	
Garissa	129	58%	65%	29%	40%	49%	52%	85%	83%	82%	67%	10%	85%	
Homa Bay	180	54%	75%	14%	27%	51%	43%	85%	78%	82%	68%	9%	80%	
Isiolo	41	63%	81%	12%	24%	64%	36%	100%	95%	93%	100%	17%	93%	
Kajiado	224	53%	81%	16%	47%	54%	41%	80%	63%	75%	57%	4%	81%	
Kakamega	229	52%	64%	14%	28%	61%	43%	82%	64%	85%	71%	6%	80%	
Kericho	174	56%	86%	10%	25%	36%	46%	87%	78%	91%	68%	18%	87%	
Kiambu	346	55%	77%	18%	52%	71%	46%	78%	63%	77%	69%	11%	76%	
Kilifi	199	47%	70%	13%	37%	61%	37%	69%	56%	72%	55%	5%	72%	
Kirinyaga	142	42%	71%	11%	25%	44%	26%	71%	49%	61%	53%	7%	64%	
Kisii	140	57%	79%	15%	26%	55%	46%	84%	74%	93%	76%	13%	89%	
Kisumu	154	57%	77%	16%	44%	54%	46%	85%	75%	88%	68%	10%	86%	
Kitui	313	50%	58%	7%	20%	53%	29%	81%	70%	88%	76%	7%	75%	
Kwale	95	60%	93%	8%	34%	71%	52%	88%	81%	95%	77%	4%	86%	
Laikipia	86	53%	77%	10%	39%	42%	32%	78%	76%	82%	77%	9%	74%	
Lamu	42	55%	81%	12%	51%	70%	42%	74%	67%	84%	56%	14%	93%	
Machakos	255	49%	73%	11%	34%	58%	38%	73%	65%	73%	65%	6%	75%	
Makueni	184	51%	50%	11%	23%	59%	39%	82%	74%	84%	78%	6%	78%	
Mandera	64	55%	70%	25%	30%	52%	45%	83%	84%	81%	61%	13%	80%	
Marsabit	89	49%	57%	8%	27%	55%	19%	84%	76%	81%	72%	4%	80%	
Meru	361	42%	64%	11%	31%	51%	33%	62%	50%	67%	47%	4%	65%	
Migori	169	48%	46%	22%	30%	46%	41%	79%	67%	77%	57%	11%	72%	
Mombasa	293	38%	53%	15%	45%	41%	39%	48%	39%	51%	34%	8%	57%	
Muranga	184	60%	95%	20%	35%	72%	40%	91%	88%	84%	80%	8%	77%	
Nairobi	868	34%	45%	15%	38%	38%	31%	46%	36%	44%	36%	6%	46%	
Nakuru	317	53%	78%	15%	44%	62%	41%	78%	66%	74%	67%	9%	76%	
Nandi	175	40%	63%	9%	17%	43%	27%	62%	53%	68%	46%	4%	59%	
Narok	129	53%	76%	19%	27%	36%	42%	81%	75%	84%	70%	16%	74%	
Nyamira	114	57%	86%	16%	29%	54%	42%	82%	71%	93%	73%	10%	88%	
Nyandarua	116	50%	78%	9%	28%	65%	37%	87%	56%	69%	74%	4%	76%	
Nyeri	245	45%	74%	11%	31%	59%	25%	68%	60%	63%	57%	6%	74%	
Samburu	71	49%	75%	8%	21%	57%	30%	83%	70%	81%	69%	3%	73%	
Siaya	155	55%	79%	9%	28%	56%	47%	83%	79%	87%	72%	6%	85%	
Taita Taveta	81	50%	79%	10%	26%	56%	31%	75%	72%	78%	68%	7%	73%	
Tana River	49	48%	53%	10%	31%	61%	31%	67%	63%	76%	71%	14%	71%	
Tharaka Nithi	116	55%	87%	10%	21%	70%	46%	85%	72%	86%	70%	3%	84%	
Trans-Nzoia	137	35%	50%	9%	26%	44%	22%	57%	33%	57%	47%	6%	55%	
Turkana	136	54%	82%	20%	32%	62%	27%	82%	77%	82%	67%	10%	72%	
Uasin Gishu	146	50%	72%	22%	31%	40%	34%	72%	65%	74%	65%	14%	69%	
Vihiga	87	58%	82%	17%	37%	69%	48%	84%	69%	85%	78%	6%	89%	
Wajir	110	52%	44%	12%	32%	42%	40%	85%	85%	90%	71%	11%	84%	
West Pokot	84	49%	70%	5%	24%	49%	52%	75%	67%	80%	64%	3%	73%	
Facility type														
Hospital	607	60%	80%	24%	58%	74%	43%	79%	74%	79%	67%	26%	82%	
Health centre	1064	57%	75%	13%	27%	65%	40%	89%	79%	87%	82%	7%	83%	
Dispensary	3676	51%	73%	8%	17%	49%	32%	84%	77%	84%	75%	5%	77%	
Medical clinic/Stand-alone VCT	2346	37%	54%	16%	46%	45%	38%	50%	34%	53%	31%	5%	57%	
Maternity/Nursing home	301	62%	79%	41%	72%	76%	60%	76%	63%	77%	63%	12%	80%	
Managing authority														
Public	3978	52%	73%	7%	13%	51%	29%	87%	81%	87%	78%	6%	80%	
Private, not-for-profit	1327	54%	74%	18%	53%	61%	46%	76%	62%	74%	65%	10%	75%	
Private, for-profit	2538	42%	60%	21%	50%	51%	44%	55%	40%	57%	36%	7%	61%	
Others	152	35%	47%	10%	34%	39%	32%	49%	37%	53%	39%	7%	50%	
Urban/Rural														
Urban	2450	43%	59%	19%	48%	50%	38%	57%	47%	59%	43%	9%	61%	
Rural	4946	51%	74%	11%	24%	54%	36%	82%	72%	82%	71%	6%	78%	
Kenya	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%	

#### 4.7.2 Availability of vaccines

The proportion of Health facilities immunising was 63% of the total health facilities surveyed and overall, 88% of the health facilities visited had Measles and Pentavalent vaccines stocked and observed leaving 12% difference. BCG vaccine and diluents was least observed in 71% of the total health facilities giving a significant difference of 29% of the total expected health facilities without. HPV, typhoid, yellow fever, Rotavirus and rabies vaccines are not much widely used and only 4%, 6%, 5%, 6% and 9% of the total health facilities identified as potentially giving the vaccination. Primary care facilities were observed to have 80- 90% and hospitals 75% immunising with Public offering in 88% of the existing health facilities followed by private not-for-profit 65% and only in 29% of the private for- profit facilities.

The mean availability of vaccines is shown in the figure below;

**Figure 15: Percentage of facilities that have vaccines observed in stock and valid (N=7396)**



The percentage of facilities having the different vaccines, by County, is shown in the proceeding table.

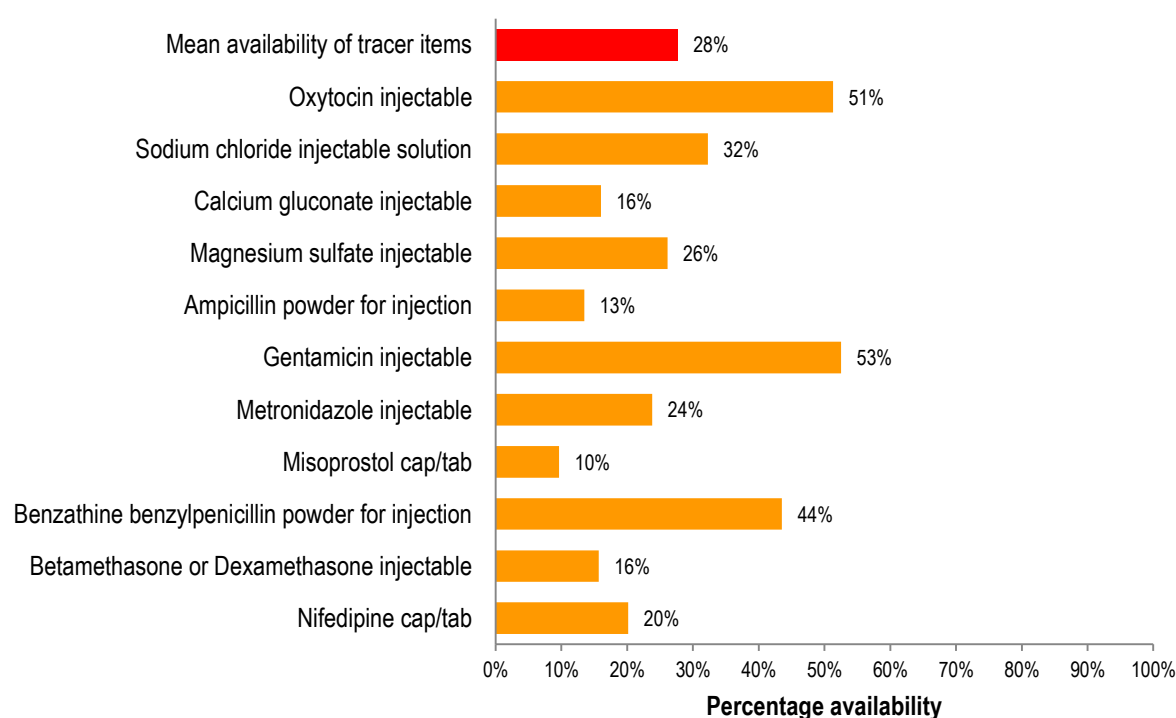
**Table 63: Percentage of facilities having the different vaccines by County**

County	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
			Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
Baringo	169	39%	65%	65%	63%	58%	65%	63%	3%	5%	41%	1%	1%
Bomet	111	43%	92%	93%	81%	29%	83%	83%	1%	4%	2%	3%	5%
Bungoma	141	37%	69%	70%	68%	46%	70%	66%	3%	5%	2%	2%	9%
Busia	80	41%	77%	77%	73%	60%	77%	71%	2%	7%	4%	2%	4%
Elgeyo-Marakwet	116	41%	66%	65%	64%	63%	66%	63%	2%	6%	51%	1%	1%
Embu	149	37%	63%	64%	63%	60%	71%	64%	3%	5%	1%	1%	7%
Garissa	129	31%	53%	52%	53%	37%	62%	51%	6%	7%	2%	8%	11%
Homa Bay	180	42%	79%	79%	78%	46%	77%	74%	5%	7%	3%	3%	5%
Isiolo	41	50%	90%	93%	93%	81%	90%	83%	2%	10%	2%	2%	2%
Kajiado	224	34%	53%	53%	53%	54%	69%	51%	8%	15%	3%	5%	8%
Kakamega	229	34%	62%	62%	61%	37%	66%	60%	3%	9%	2%	2%	6%
Kericho	174	43%	84%	82%	77%	44%	85%	79%	5%	7%	2%	4%	4%
Kiambu	346	34%	56%	56%	56%	50%	68%	55%	7%	8%	3%	5%	6%
Kilifi	199	28%	48%	48%	49%	42%	60%	47%	0%	4%	1%	3%	2%
Kirinyaga	142	25%	42%	43%	43%	30%	55%	41%	3%	5%	1%	2%	6%
Kisii	140	45%	80%	81%	79%	62%	78%	72%	10%	9%	4%	6%	9%
Kisumu	154	45%	75%	75%	74%	72%	77%	70%	10%	15%	8%	6%	11%
Kitui	313	29%	54%	53%	52%	44%	59%	49%	1%	5%	1%	1%	1%
Kwale	95	41%	72%	72%	69%	69%	83%	68%	1%	6%	3%	1%	2%
Laikipia	86	38%	66%	67%	66%	63%	78%	61%	3%	8%	1%	1%	9%
Lamu	42	33%	53%	58%	58%	53%	67%	56%	7%	7%	2%	0%	2%
Machakos	255	33%	58%	59%	57%	50%	66%	57%	2%	8%	1%	2%	3%
Makueni	184	39%	73%	73%	72%	55%	78%	72%	1%	6%	1%	1%	1%
Mandera	64	29%	52%	49%	48%	43%	48%	48%	12%	9%	3%	6%	3%
Marsabit	89	36%	63%	61%	63%	52%	68%	62%	3%	17%	1%	2%	2%
Meru	361	22%	39%	39%	38%	32%	48%	36%	2%	5%	0%	0%	2%
Migori	169	41%	72%	72%	71%	63%	74%	69%	8%	9%	4%	6%	6%
Mombasa	293	16%	25%	25%	25%	23%	39%	24%	4%	3%	2%	3%	3%
Muranga	184	39%	68%	69%	68%	62%	75%	63%	3%	5%	3%	5%	5%
Nairobi	868	23%	32%	32%	32%	30%	39%	31%	9%	9%	4%	6%	8%
Nakuru	317	37%	65%	66%	66%	54%	72%	62%	5%	10%	1%	3%	4%
Nandi	175	28%	52%	51%	52%	49%	51%	47%	2%	2%	0%	0%	1%
Narok	129	37%	70%	70%	69%	62%	61%	58%	1%	7%	1%	1%	4%
Nyamira	114	41%	80%	81%	78%	46%	79%	71%	4%	2%	1%	3%	3%
Nyandarua	116	36%	62%	62%	62%	57%	69%	61%	3%	8%	0%	7%	5%
Nyeri	245	25%	45%	45%	44%	33%	55%	43%	2%	3%	1%	2%	3%
Samburu	71	29%	51%	51%	43%	44%	57%	52%	1%	10%	3%	3%	1%
Siaya	155	41%	78%	79%	77%	56%	80%	69%	2%	6%	1%	1%	4%
Taita Taveta	81	39%	69%	68%	67%	67%	74%	67%	1%	9%	1%	1%	1%
Tana River	49	40%	71%	73%	73%	73%	73%	73%	0%	4%	0%	0%	0%
Tharaka Nithi	116	29%	51%	51%	50%	38%	57%	50%	3%	8%	2%	2%	3%
Trans-Nzoia	137	30%	52%	52%	51%	34%	54%	50%	1%	4%	1%	1%	1%
Turkana	136	32%	56%	56%	57%	53%	61%	50%	3%	6%	4%	2%	4%
Uasin Gishu	146	37%	66%	66%	66%	45%	66%	65%	5%	5%	3%	3%	3%
Vihiga	87	36%	68%	67%	66%	45%	68%	66%	3%	9%	0%	1%	9%
Wajir	110	30%	50%	50%	51%	43%	68%	46%	3%	9%	1%	4%	2%
West Pokot	84	30%	60%	57%	53%	38%	57%	54%	1%	6%	0%	0%	1%
Facility type													
Hospital	607		91%	91%	91%	76%	93%	88%	17%	28%	12%	16%	17%
Health centre	1064		94%	94%	93%	77%	94%	90%	5%	7%	5%	4%	8%
Dispensary	3676		88%	88%	86%	70%	87%	84%	3%	4%	4%	2%	3%
Medical clinic/ Stand-alone VCT	2346		76%	77%	76%	63%	80%	72%	11%	17%	6%	8%	9%
Maternity/ Nursing home	301		86%	87%	86%	70%	88%	82%	10%	26%	5%	5%	8%
Managing authority													
Public	3978		91%	91%	89%	72%	90%	86%	3%	4%	5%	3%	4%
Private, not-for-profit	1327		86%	87%	86%	70%	87%	80%	7%	16%	6%	6%	7%
Private, for-profit	2538		80%	80%	79%	66%	83%	75%	15%	22%	7%	9%	11%
Others	152		82%	79%	81%	67%	81%	73%	16%	18%	13%	15%	16%
Urban/Rural													
Urban	2450		85%	86%	85%	74%	88%	81%	15%	20%	9%	11%	14%
Rural	4946		89%	89%	87%	70%	88%	84%	3%	6%	4%	2%	4%
Kenya	7396		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### 4.7.3 Availability of maternal health products

The overall availability of tracer items of essential medicines for mothers was 28% with 51% of Oxytocin injectables, 26% magnesium sulphate injectables and 53% of gentamicin injectables. The essential products that were least stocked in health facilities were Ampicillin powder for injectable, Misoprostol Capsules or tablets and Calcium gluconate injectable. The mean availability of essential health products for maternal health is shown in the figure below

**Figure 16: Percentage of facilities that have essential medicines for mothers observed in stock and valid (N=7396)**



The percentage of facilities having the different maternal health tracer commodities, by County, is shown in the proceeding table.

**Table 64: Percentage of facilities having the different maternal health tracer commodities, by County**

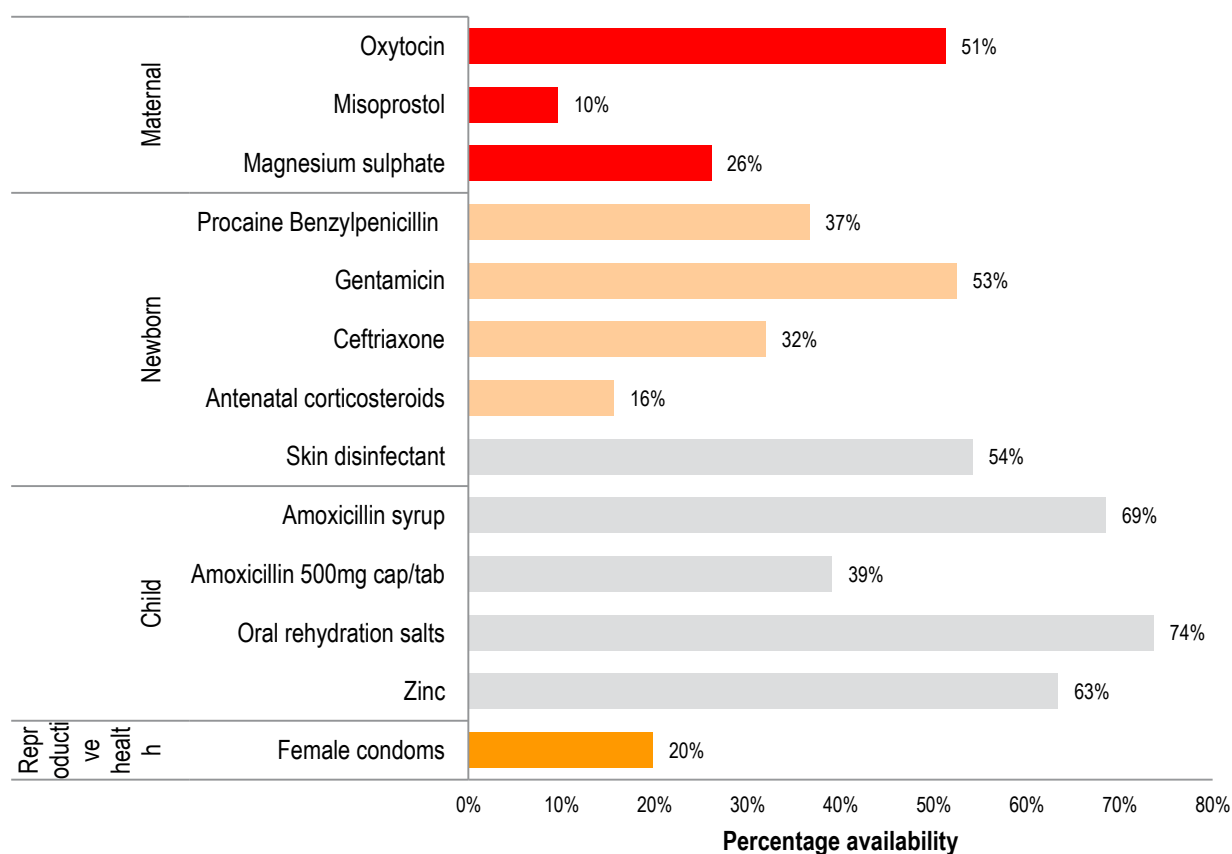
County	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
			Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
Baringo	169	20%	52%	24%	14%	19%	12%	56%	13%	1%	23%	4%	5%
Bomet	111	20%	73%	21%	8%	15%	11%	33%	11%	3%	34%	3%	4%
Bungoma	141	29%	66%	37%	15%	40%	12%	56%	23%	5%	32%	12%	17%
Busia	80	31%	75%	46%	18%	48%	12%	67%	20%	6%	24%	8%	14%
Elgeyo-Marakwet	116	18%	54%	27%	10%	17%	9%	42%	11%	2%	19%	5%	7%
Embu	149	26%	41%	36%	9%	31%	9%	63%	14%	5%	43%	10%	23%
Garissa	129	33%	53%	37%	20%	32%	29%	49%	44%	14%	46%	21%	21%
Homa Bay	180	32%	74%	42%	16%	38%	14%	51%	23%	6%	58%	15%	13%
Isiolo	41	36%	74%	55%	38%	57%	12%	64%	26%	14%	31%	7%	14%
Kajiado	224	31%	55%	36%	13%	17%	16%	54%	37%	11%	46%	25%	33%
Kakamega	229	30%	68%	34%	25%	35%	14%	61%	28%	12%	37%	11%	11%
Kericho	174	25%	75%	26%	16%	20%	10%	36%	15%	9%	41%	14%	13%
Kiambu	346	36%	52%	34%	22%	28%	18%	71%	27%	15%	59%	27%	38%
Kilifi	199	28%	52%	31%	16%	25%	13%	61%	26%	8%	39%	15%	19%
Kirinyaga	142	23%	33%	30%	11%	23%	11%	44%	13%	9%	48%	8%	19%
Kisii	140	32%	69%	44%	16%	34%	15%	55%	26%	11%	50%	16%	20%
Kisumu	154	38%	68%	50%	26%	46%	16%	54%	37%	16%	63%	25%	23%
Kitui	313	23%	57%	30%	7%	14%	7%	53%	18%	4%	47%	9%	13%
Kwale	95	35%	78%	51%	15%	43%	8%	71%	21%	4%	71%	13%	9%
Laikipia	86	32%	73%	43%	33%	34%	10%	42%	23%	8%	45%	22%	23%
Lamu	42	35%	60%	47%	14%	21%	12%	70%	35%	9%	63%	19%	35%
Machakos	255	29%	48%	37%	10%	22%	11%	58%	24%	7%	62%	13%	22%
Makueni	184	29%	64%	41%	14%	27%	11%	59%	21%	7%	40%	15%	18%
Mandera	64	34%	52%	32%	13%	36%	25%	52%	48%	13%	48%	22%	29%
Marsabit	89	28%	57%	35%	14%	40%	8%	55%	26%	9%	38%	14%	17%
Meru	361	21%	28%	19%	7%	15%	11%	51%	14%	10%	42%	15%	23%
Migori	169	32%	71%	34%	25%	43%	22%	46%	29%	10%	32%	21%	16%
Mombasa	293	24%	29%	24%	13%	13%	15%	41%	29%	18%	33%	20%	25%
Muranga	184	39%	66%	52%	24%	41%	20%	72%	21%	11%	71%	15%	35%
Nairobi	868	23%	26%	20%	16%	15%	15%	38%	27%	13%	37%	22%	26%
Nakuru	317	32%	56%	31%	18%	27%	15%	62%	23%	16%	59%	21%	28%
Nandi	175	23%	47%	24%	19%	33%	9%	43%	15%	2%	42%	7%	8%
Narok	129	27%	70%	34%	16%	18%	19%	36%	24%	10%	33%	18%	16%
Nyamira	114	29%	76%	38%	18%	28%	16%	54%	25%	9%	36%	11%	11%
Nyandarua	116	32%	68%	41%	22%	38%	9%	65%	16%	8%	43%	16%	25%
Nyeri	245	24%	31%	27%	8%	19%	11%	59%	13%	7%	48%	16%	25%
Samburu	71	24%	49%	31%	14%	32%	8%	57%	16%	3%	31%	16%	12%
Siaya	155	35%	75%	42%	26%	49%	9%	56%	27%	10%	63%	14%	15%
Taita Taveta	81	29%	65%	36%	12%	27%	10%	56%	16%	5%	58%	11%	17%
Tana River	49	22%	33%	20%	2%	41%	10%	61%	33%	2%	37%	4%	4%
Tharaka Nithi	116	28%	40%	26%	14%	29%	10%	70%	23%	3%	61%	12%	21%
Trans-Nzoia	137	21%	38%	32%	12%	17%	9%	44%	21%	10%	27%	11%	13%
Turkana	136	29%	43%	42%	39%	29%	20%	62%	31%	4%	33%	10%	6%
Uasin Gishu	146	26%	52%	34%	21%	22%	22%	40%	29%	16%	25%	13%	18%
Vihiga	87	37%	61%	44%	25%	48%	17%	69%	29%	21%	52%	20%	20%
Wajir	110	28%	53%	35%	11%	27%	12%	42%	40%	10%	34%	20%	29%
West Pokot	84	24%	41%	34%	17%	30%	5%	49%	27%	3%	34%	13%	8%
Facility type													
Hospital	607	52%	71%	62%	42%	59%	24%	74%	65%	30%	59%	42%	45%
Health centre	1064	36%	77%	50%	24%	47%	13%	65%	27%	9%	50%	14%	19%
Dispensary	3676	23%	57%	31%	12%	26%	8%	49%	12%	3%	41%	7%	9%
Medical clinic/ Stand-alone VCT	2346	22%	25%	18%	9%	9%	16%	45%	26%	12%	39%	19%	26%
Maternity/ Nursing home	301	55%	72%	50%	36%	41%	41%	76%	64%	41%	68%	56%	59%
Managing authority													
Public	3978	26%	67%	38%	16%	35%	7%	51%	14%	4%	40%	6%	7%
Private, not-for-profit	1327	33%	47%	33%	20%	24%	18%	61%	36%	14%	55%	25%	36%
Private, for-profit	2538	28%	31%	23%	15%	14%	21%	51%	32%	17%	44%	26%	32%
Others	152	22%	32%	26%	14%	17%	10%	39%	20%	7%	38%	14%	22%
Urban/Rural													
Urban	2450	29%	35%	28%	18%	20%	19%	50%	34%	17%	43%	26%	30%
Rural	4946	27%	60%	34%	15%	29%	11%	54%	19%	6%	44%	11%	15%
Kenya	7396	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

#### 4.7.4 Availability of life saving commodities

On lifesaving, 51% of the Health facilities had stocked lifesaving commodities of Oxytocin, 26% magnesium sulphate, 53% gentamicin, 69% amoxicillin syrup, 74% Oral rehydration salts, 63% Zinc and 20% female

condoms. The items least available was Misoprostol (10%) and antenatal corticosteroids (16%). Public Health facilities were well stocked with lifesaving commodities than Private not-for profit and Private for-profit. Most items were also in rural areas than urban. The mean availability of life saving commodities is shown in the figure below;

**Figure 17: Percentage of facilities that have lifesaving commodities observed in stock and valid (N=7396)**



The percentage of facilities having the different life saving commodities, by County, is shown in the proceeding table.

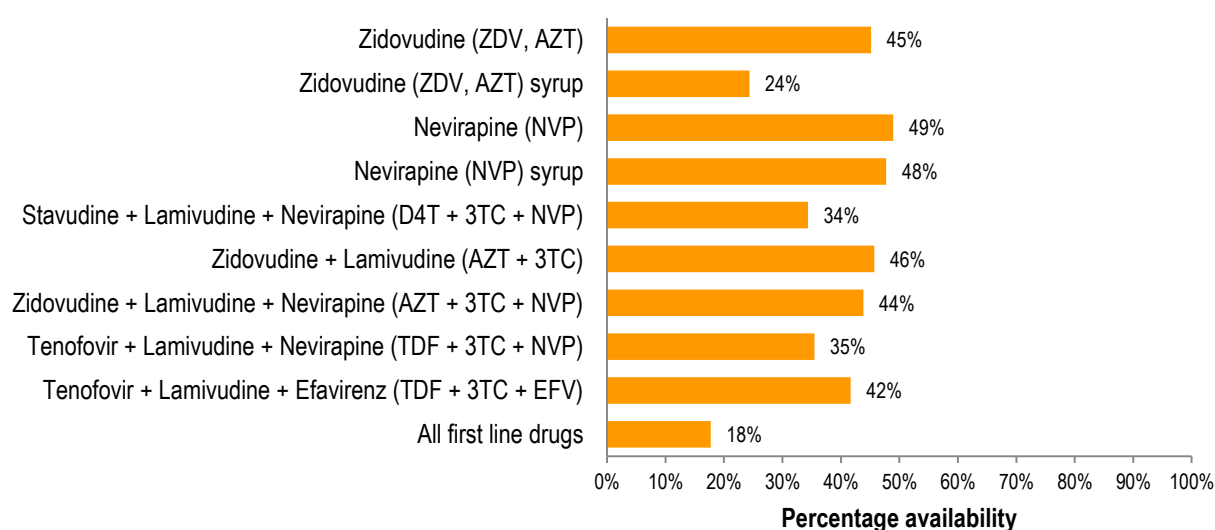
**Table 65: Percentage of facilities having the different life saving commodities, by County**

County	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
			Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
Baringo	169	37%	52%	1%	19%	31%	56%	10%	4%	49%	79%	44%	84%	76%	9%	6%
Bomet	111	41%	73%	3%	15%	33%	33%	13%	3%	70%	84%	47%	96%	85%	16%	3%
Bungoma	141	41%	66%	5%	40%	36%	56%	26%	12%	58%	67%	31%	77%	66%	22%	14%
Busia	80	43%	75%	6%	48%	29%	67%	22%	8%	59%	70%	28%	84%	76%	18%	13%
Elgeyo-Marakwet	116	36%	54%	2%	17%	26%	42%	15%	5%	52%	82%	38%	85%	75%	11%	5%
Embu	149	41%	41%	5%	31%	29%	63%	33%	10%	54%	82%	42%	81%	74%	15%	11%
Garissa	129	45%	53%	14%	32%	52%	49%	40%	21%	48%	65%	45%	85%	83%	17%	29%
Homa Bay	180	46%	74%	6%	38%	43%	51%	27%	15%	55%	75%	53%	85%	78%	31%	13%
Isiolo	41	50%	74%	14%	57%	36%	64%	24%	7%	67%	81%	40%	100%	95%	26%	10%
Kajiado	224	45%	55%	11%	17%	41%	54%	47%	25%	69%	81%	42%	80%	63%	18%	24%
Kakamega	229	43%	68%	12%	35%	43%	61%	28%	11%	59%	64%	36%	82%	64%	21%	17%
Kericho	174	44%	75%	9%	20%	46%	36%	25%	14%	61%	86%	47%	87%	78%	25%	11%
Kiambu	346	48%	52%	15%	28%	46%	71%	52%	27%	63%	77%	42%	78%	63%	32%	28%
Kilifi	199	41%	52%	8%	25%	37%	61%	37%	15%	52%	70%	44%	69%	56%	23%	20%
Kirinyaga	142	34%	33%	9%	23%	26%	44%	25%	8%	50%	71%	32%	71%	49%	32%	8%
Kisii	140	46%	69%	11%	34%	46%	55%	26%	16%	61%	79%	48%	84%	74%	30%	12%
Kisumu	154	51%	68%	16%	46%	46%	54%	44%	25%	64%	77%	48%	85%	75%	36%	24%
Kitui	313	37%	57%	4%	14%	29%	53%	20%	9%	47%	58%	47%	81%	70%	16%	9%
Kwale	95	50%	78%	4%	43%	52%	71%	34%	13%	59%	93%	47%	88%	81%	20%	21%
Laikipia	86	45%	73%	8%	34%	32%	42%	39%	22%	76%	77%	37%	78%	76%	23%	17%
Lamu	42	45%	60%	9%	21%	42%	70%	51%	19%	63%	81%	30%	74%	67%	19%	26%
Machakos	255	39%	48%	7%	22%	38%	58%	34%	13%	51%	73%	40%	73%	65%	13%	16%
Makueni	184	41%	64%	7%	27%	39%	59%	23%	15%	54%	50%	45%	82%	74%	23%	12%
Mandera	64	44%	52%	13%	36%	45%	52%	30%	22%	58%	70%	38%	83%	84%	10%	22%
Marsabit	89	40%	57%	9%	40%	19%	55%	27%	14%	62%	57%	39%	84%	76%	6%	13%
Meru	361	33%	28%	10%	15%	33%	51%	31%	15%	45%	64%	29%	62%	50%	14%	16%
Migori	169	44%	71%	10%	43%	41%	46%	30%	21%	57%	46%	53%	79%	67%	28%	18%
Mombasa	293	33%	29%	18%	13%	39%	41%	45%	20%	42%	53%	33%	48%	39%	20%	25%
Muranga	184	52%	66%	11%	41%	40%	72%	35%	15%	84%	95%	40%	91%	88%	26%	18%
Nairobi	868	30%	26%	13%	15%	31%	38%	38%	22%	38%	45%	26%	46%	36%	21%	21%
Nakuru	317	46%	56%	16%	27%	41%	62%	44%	21%	61%	78%	40%	78%	66%	27%	22%
Nandi	175	33%	47%	2%	33%	27%	43%	17%	7%	52%	63%	31%	62%	53%	9%	9%
Narok	129	43%	70%	10%	18%	42%	36%	27%	18%	62%	76%	50%	81%	75%	19%	18%
Nyamira	114	47%	76%	9%	28%	42%	54%	29%	11%	67%	86%	62%	82%	71%	28%	9%
Nyandarua	116	44%	68%	8%	38%	37%	65%	28%	16%	65%	78%	38%	87%	56%	20%	11%
Nyeri	245	36%	31%	7%	19%	25%	59%	31%	16%	64%	74%	29%	68%	60%	15%	10%
Samburu	71	39%	49%	3%	32%	30%	57%	21%	16%	61%	75%	27%	83%	70%	9%	12%
Siaya	155	48%	75%	10%	49%	47%	56%	28%	14%	65%	79%	53%	83%	79%	19%	17%
Taita Taveta	81	41%	65%	5%	27%	31%	56%	26%	11%	56%	79%	44%	75%	72%	16%	11%
Tana River	49	38%	33%	2%	41%	31%	61%	31%	4%	45%	53%	61%	67%	63%	20%	20%
Tharaka Nithi	116	42%	40%	3%	29%	46%	70%	21%	12%	53%	87%	44%	85%	72%	21%	11%
Trans-Nzoia	137	30%	38%	10%	17%	22%	44%	26%	11%	45%	50%	37%	57%	33%	13%	14%
Turkana	136	39%	43%	4%	29%	27%	62%	32%	10%	34%	82%	39%	82%	77%	9%	12%
Uasin Gishu	146	39%	52%	16%	22%	34%	40%	31%	13%	53%	72%	39%	72%	65%	15%	18%
Vihiga	87	50%	61%	21%	48%	48%	69%	37%	20%	64%	82%	51%	84%	69%	23%	22%
Wajir	110	40%	53%	10%	27%	40%	42%	32%	20%	55%	44%	30%	85%	85%	11%	19%
West Pokot	84	38%	41%	3%	30%	52%	49%	24%	13%	40%	70%	43%	75%	67%	14%	17%
Facility type																
Hospital	607	56%	71%	30%	59%	43%	74%	58%	42%	67%	80%	48%	79%	74%	36%	29%
Health centre	1064	48%	77%	9%	47%	40%	65%	27%	14%	66%	75%	46%	89%	79%	24%	16%
Dispensary	3676	39%	57%	3%	26%	32%	49%	17%	7%	56%	73%	41%	84%	77%	17%	7%
Medical clinic/Stand-alone VCT	2346	32%	25%	12%	9%	38%	45%	46%	19%	42%	54%	30%	50%	34%	17%	25%
Maternity/Nursing home	301	59%	72%	41%	41%	60%	76%	72%	56%	69%	79%	46%	76%	63%	32%	49%
Managing authority																
Public	3978	41%	67%	4%	35%	29%	51%	13%	6%	58%	73%	47%	87%	81%	20%	4%
Private, not-for-profit	1327	44%	47%	14%	24%	46%	61%	53%	25%	60%	74%	30%	76%	62%	20%	27%
Private, for-profit	2538	37%	31%	17%	14%	44%	51%	50%	26%	47%	60%	33%	55%	40%	19%	30%
Others	152	30%	32%	7%	17%	32%	39%	34%	14%	38%	47%	32%	49%	37%	24%	16%
Urban																
Urban	2450	38%	35%	17%	20%	38%	50%	48%	26%	47%	59%	33%	57%	47%	22%	26%
Rural	4946	41%	60%	6%	29%	36%	54%	24%	11%	58%	74%	42%	82%	72%	19%	12%
Kenya	7396	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

#### 4.7.5 Availability of HIV products

A total of 1,991 health facilities reported offering HIV services country wide. The proportion of health facilities with all first line ARV drugs was 18% of all facilities offering HIV related services. 49% of the health facilities stocked Nevirapine, a combination of Zidovudine + Lamivudine (AZT + 3TC) was in 46% of the facilities, and a combination of Zidovudine (ZDV, AZT) was stocked in 45% of the institutions. Public health facilities are well stocked to provide ARVs, followed by the private not-for-profit. The products were available in Hospitals, a few health centres and nursing homes with 24% of the hospitals and 23% of health centres with all first line drugs. The mean availability of HIV commodities is shown in the figure below;

**Figure 18: Percentage of facilities that have HIV commodities observed in stock and valid (N=1991)**



The percentage of facilities having the different HIV tracer commodities, by County, is shown in table 67 below.

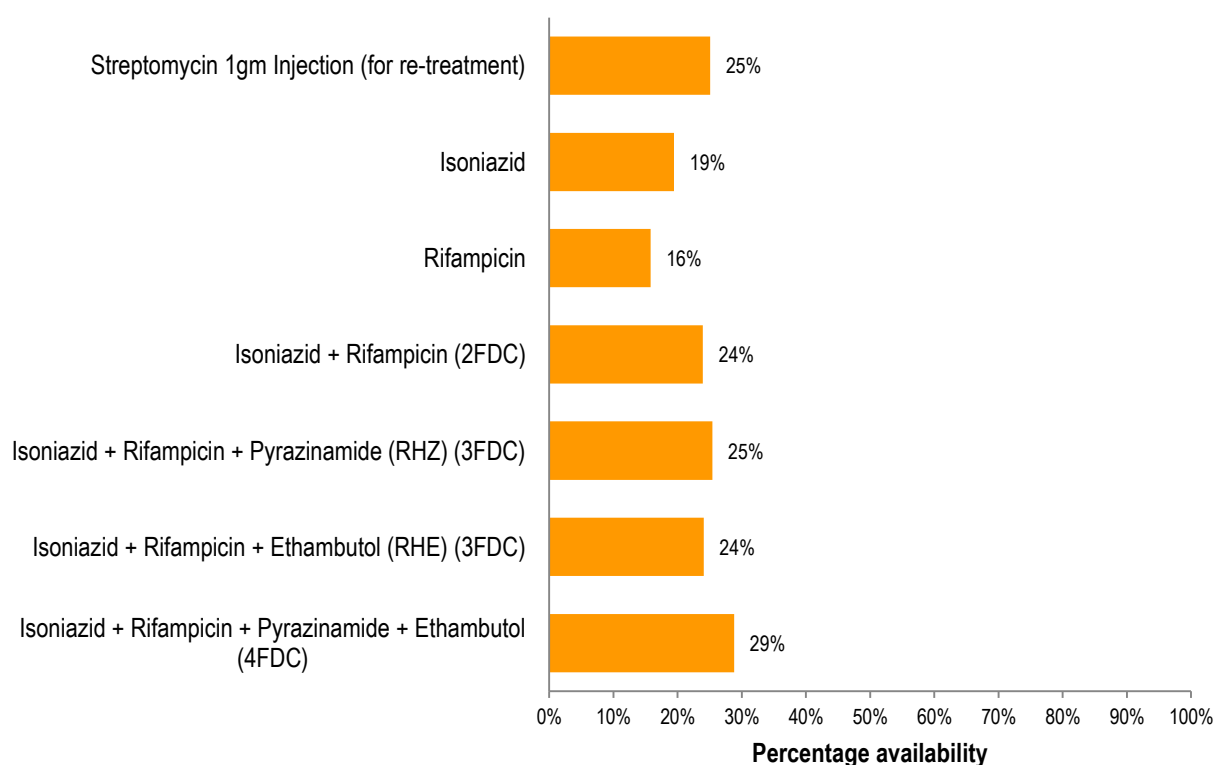
**Table 66: Percentage of facilities having the different HIV tracer commodities, by County**

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
Baringo	29	36%	38%	31%	45%	48%	31%	45%	38%	24%	34%	21%
Bomet	19	72%	79%	16%	95%	95%	68%	89%	95%	79%	89%	11%
Bungoma	36	57%	72%	31%	83%	81%	42%	69%	67%	44%	61%	17%
Busia	25	63%	64%	52%	72%	76%	52%	72%	72%	56%	76%	40%
Elgeyo-Marakwet	29	32%	31%	28%	52%	52%	17%	38%	41%	24%	24%	17%
Embu	22	52%	73%	23%	68%	73%	18%	73%	64%	41%	64%	23%
Garissa	38	21%	34%	11%	34%	21%	21%	34%	24%	11%	13%	5%
Homa Bay	59	70%	80%	44%	83%	83%	64%	78%	81%	69%	80%	41%
Isiolo	10	49%	60%	50%	60%	50%	50%	70%	50%	30%	30%	40%
Kajiado	77	29%	38%	23%	42%	39%	17%	34%	32%	25%	30%	12%
Kakamega	67	60%	76%	33%	76%	72%	60%	73%	69%	54%	58%	30%
Kericho	25	62%	68%	48%	76%	72%	56%	72%	72%	56%	64%	40%
Kiambu	123	33%	39%	24%	42%	41%	28%	39%	36%	28%	34%	17%
Kilifi	30	58%	67%	23%	77%	73%	57%	70%	67%	60%	67%	20%
Kirinyaga	42	33%	36%	19%	40%	40%	33%	38%	40%	29%	38%	17%
Kisii	55	66%	80%	45%	84%	75%	71%	80%	75%	60%	65%	29%
Kisumu	64	56%	59%	33%	69%	66%	56%	66%	66%	55%	66%	27%
Kitui	56	58%	68%	39%	73%	71%	46%	66%	70%	57%	64%	25%
Kwale	16	58%	75%	19%	75%	75%	38%	75%	75%	50%	75%	19%
Laikipia	16	46%	56%	19%	63%	63%	25%	69%	56%	44%	50%	19%
Lamu	9	46%	67%	11%	56%	78%	33%	56%	56%	33%	56%	11%
Machakos	44	69%	86%	36%	84%	86%	68%	77%	77%	70%	80%	30%
Makueni	42	64%	74%	40%	81%	81%	50%	79%	74%	57%	67%	38%
Mandera	29	16%	24%	17%	21%	28%	14%	24%	10%	7%	7%	3%
Marsabit	25	35%	40%	32%	60%	52%	32%	48%	48%	4%	24%	8%
Meru	66	36%	42%	14%	52%	53%	26%	52%	42%	29%	36%	11%
Migori	50	57%	68%	38%	68%	68%	56%	70%	64%	54%	58%	28%
Mombasa	50	35%	44%	26%	42%	46%	34%	42%	36%	30%	32%	20%
Muranga	184	27%	43%	0%	42%	45%	24%	37%	29%	19%	19%	15%
Nairobi	229	27%	34%	20%	34%	34%	25%	31%	29%	24%	27%	14%
Nakuru	80	44%	56%	20%	56%	55%	44%	51%	51%	41%	48%	16%
Nandi	26	60%	69%	35%	73%	77%	58%	69%	65%	58%	62%	31%
Narok	34	48%	50%	35%	74%	62%	47%	62%	59%	32%	44%	18%
Nyamira	54	63%	74%	31%	85%	87%	46%	83%	81%	57%	65%	17%
Nyandarua	34	46%	53%	35%	59%	68%	35%	50%	47%	44%	47%	24%
Nyeri	152	28%	41%	17%	47%	51%	9%	34%	26%	20%	23%	7%
Samburu	11	44%	64%	27%	64%	64%	18%	64%	64%	27%	27%	18%
Siaya	50	82%	86%	58%	90%	92%	86%	90%	92%	86%	90%	50%
Taita Taveta	23	49%	61%	13%	65%	52%	48%	65%	65%	39%	65%	13%
Tana River	7	42%	43%	29%	71%	71%	29%	43%	43%	43%	43%	0%
Tharaka Nithi	18	46%	56%	33%	72%	78%	17%	56%	44%	39%	44%	17%
Trans-Nzoia	24	28%	29%	8%	42%	46%	25%	38%	38%	21%	29%	0%
Turkana	26	45%	62%	38%	69%	54%	35%	50%	50%	31%	42%	19%
Uasin Gishu	40	33%	33%	33%	38%	38%	33%	38%	35%	28%	35%	23%
Vihiga	29	63%	76%	45%	72%	76%	66%	69%	69%	62%	62%	34%
Wajir	43	9%	9%	5%	14%	12%	12%	12%	14%	5%	9%	2%
West Pokot	13	48%	62%	46%	62%	54%	38%	54%	54%	38%	46%	23%
Facility type												
Hospital	607	49%	56%	30%	60%	58%	45%	58%	57%	47%	55%	24%
Health centre	1064	51%	61%	32%	66%	65%	44%	62%	59%	44%	52%	23%
Dispensary	0	0%	0	0	0	0	0	0	0	0	0	0
Medical clinic / VCT	0	0%	0	0	0	0	0	0	0	0	0	0
Maternity/ Nursing home	301	17%	23%	12%	27%	28%	13%	20%	17%	12%	15%	5%
Managing authority												
Public	1089	60%	71%	36%	76%	75%	54%	73%	71%	55%	65%	28%
Private, not-for-profit	360	43%	53%	31%	58%	58%	35%	52%	48%	34%	43%	20%
Private, for-profit	513	14%	18%	11%	19%	19%	11%	16%	14%	12%	13%	5%
Others	29	42%	52%	28%	52%	52%	48%	48%	45%	41%	38%	17%
Urban/Rural												
Urban	750	34%	41%	22%	43%	42%	29%	40%	37%	31%	35%	16%
Rural	1241	52%	61%	32%	67%	66%	46%	63%	61%	46%	54%	23%
Kenya	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

#### 4.7.6 Availability of TB products

A total of 5,840 health facilities reported offering Tuberculosis services country wide. The proportion of health facilities offering streptomycin 1gm injection (for re-treatment) was 47% and, a combination of Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC) in 45% of the health institutions. This was better in Primary care facilities i.e. Health centres (63%) than hospitals (57%). Public health facilities are well stocked with Tuberculosis Tracer commodities to provide Tuberculosis services and in urban centres. The mean availability of TB products is shown in the figure below;

**Figure 19: Percentage of facilities that have tuberculosis medicines observed in stock and valid (N= 5840)**



The percentage of facilities having the different TB tracer commodities, by County, is shown in the proceeding table.

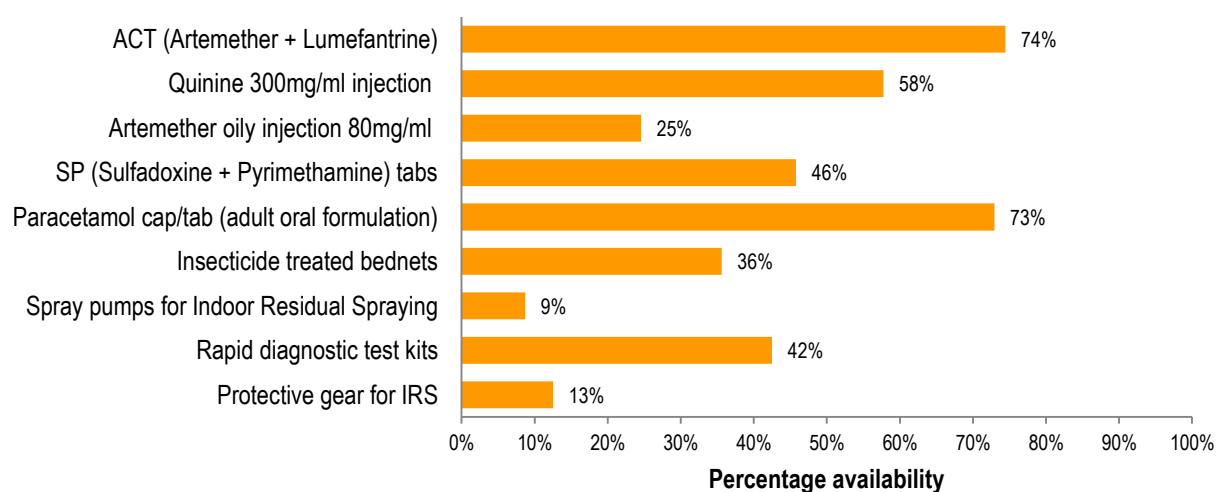
**Table 67: Percentage of facilities having the different TB tracer commodities, by County**

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
Baringo	174	14%	13%	7%	6%	17%	19%	18%	21%
Bomet	110	23%	22%	17%	15%	24%	27%	23%	31%
Bungoma	121	45%	53%	36%	27%	49%	43%	45%	60%
Busia	74	46%	49%	35%	27%	51%	47%	54%	57%
Elgeyo-Marakwet	119	14%	15%	10%	10%	16%	15%	16%	18%
Embu	99	43%	52%	31%	20%	42%	55%	46%	56%
Garissa	79	24%	25%	16%	20%	25%	27%	29%	29%
Homa Bay	158	59%	56%	57%	42%	62%	66%	62%	67%
Isiolo	37	36%	16%	30%	30%	35%	51%	35%	54%
Kajiado	156	13%	17%	9%	7%	13%	15%	13%	15%
Kakamega	165	36%	35%	18%	21%	42%	41%	40%	53%
Kericho	158	23%	23%	18%	18%	25%	25%	23%	30%
Kiambu	123	26%	33%	24%	15%	25%	27%	27%	30%
Kilifi	116	35%	25%	31%	25%	36%	47%	38%	42%
Kirinyaga	103	36%	42%	34%	20%	33%	43%	40%	43%
Kisii	124	49%	51%	47%	36%	47%	53%	53%	58%
Kisumu	134	52%	61%	48%	39%	55%	57%	50%	57%
Kitui	270	25%	23%	20%	16%	28%	26%	26%	34%
Kwale	72	51%	51%	49%	31%	46%	58%	58%	65%
Laikipia	75	16%	17%	11%	9%	20%	17%	15%	24%
Lamu	32	25%	19%	19%	19%	22%	31%	22%	41%
Machakos	180	37%	47%	31%	22%	41%	37%	32%	49%
Makueni	153	37%	40%	29%	18%	37%	44%	39%	54%
Mandera	56	19%	13%	16%	18%	20%	21%	21%	27%
Marsabit	76	19%	16%	13%	13%	16%	16%	24%	36%
Meru	192	27%	34%	23%	13%	29%	30%	27%	36%
Migori	147	44%	49%	41%	32%	45%	44%	42%	52%
Mombasa	104	43%	42%	43%	38%	44%	42%	44%	49%
Muranga	148	34%	42%	0%	24%	34%	46%	44%	45%
Nairobi	345	29%	34%	28%	22%	31%	30%	27%	33%
Nakuru	224	27%	25%	20%	19%	32%	31%	26%	37%
Nandi	169	14%	15%	8%	8%	15%	16%	16%	22%
Narok	125	22%	23%	13%	11%	25%	26%	26%	30%
Nyamira	96	45%	33%	39%	34%	48%	54%	54%	53%
Nyandarua	84	31%	32%	29%	19%	31%	31%	33%	40%
Nyeri	243	24%	26%	26%	14%	20%	28%	24%	30%
Samburu	63	26%	21%	19%	16%	24%	33%	30%	40%
Siaya	141	67%	75%	63%	55%	67%	70%	68%	74%
Taita Taveta	63	41%	43%	33%	21%	43%	43%	51%	56%
Tana River	47	35%	23%	32%	34%	45%	36%	36%	38%
Tharaka Nithi	88	28%	32%	24%	19%	26%	34%	25%	33%
Trans-Nzoia	69	37%	36%	25%	20%	43%	46%	43%	49%
Turkana	118	18%	18%	14%	12%	18%	21%	19%	21%
Uasin Gishu	136	17%	17%	18%	19%	18%	17%	16%	14%
Vihiga	55	47%	62%	31%	24%	51%	51%	51%	58%
Wajir	82	10%	9%	9%	7%	11%	10%	10%	12%
West Pokot	80	15%	19%	10%	6%	15%	16%	16%	21%
Facility type									
Hospital	607	51%	57%	48%	38%	53%	55%	52%	57%
Health centre	1064	51%	55%	43%	32%	51%	56%	54%	63%
Dispensary	3676	24%	23%	19%	15%	25%	27%	25%	31%
Medical clinic/Stand-alone VCT	0	0%	0	0	0	0	0	0	0
Maternity/Nursing home	301	19%	25%	15%	19%	19%	17%	15%	22%
Managing authority									
Public	3978	36%	37%	30%	22%	37%	40%	38%	46%
Private, not-for-profit	1327	27%	28%	24%	21%	29%	29%	27%	31%
Private, for-profit	2538	14%	20%	11%	14%	14%	14%	12%	16%
Others	152	22%	21%	21%	19%	24%	23%	21%	26%
Urban/Rural									
Urban	1197	33%	37%	29%	25%	35%	34%	33%	38%
Rural	4643	31%	32%	26%	20%	32%	35%	33%	40%
Kenya	5840	41%	47%	37%	31%	42%	42%	40%	45%

#### 4.7.7 Availability of malaria products

On Malaria medicines, 74% of the health facilities had stocked ACT drugs, 58% with quinine and 42% with rapid diagnostic test kits while 13% had protective gear for indoor residual spray (IRS) and 36% with Insecticide Treated Nets (ITNs). Public health facilities had better stocks of the malaria products followed by private-not-for-profit and rural health facilities had better stocks than the urban facilities across all the products. The mean availability of malaria tracer products is shown in the figure below;

**Figure 20: Percentage of facilities that have malaria medicines observed in stock and valid (N=7396)**



The percentage of facilities having the different malaria tracer commodities, by County, is shown in the proceeding table.

**Table 68: Percentage of facilities having the different malaria tracer commodities, by County**

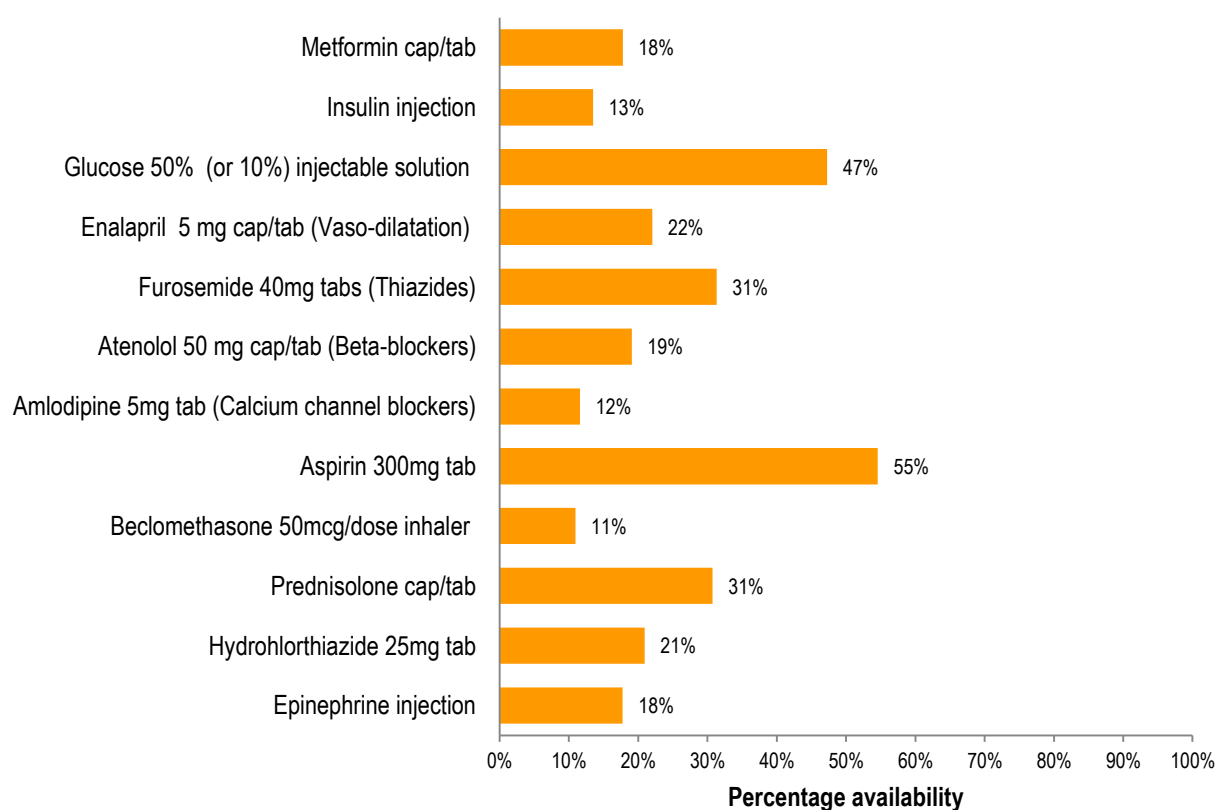
County	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
Baringo	169	49%	81%	66%	18%	65%	79%	56%	11%	59%	7%
Bomet	111	54%	97%	81%	9%	39%	88%	58%	22%	74%	21%
Bungoma	141	49%	81%	69%	24%	73%	76%	50%	12%	41%	11%
Busia	80	55%	89%	80%	20%	88%	82%	65%	8%	52%	8%
Elgeyo-Marakwet	116	51%	85%	62%	11%	72%	83%	55%	9%	71%	14%
Embu	149	44%	88%	65%	23%	28%	84%	46%	7%	47%	8%
Garissa	129	46%	82%	65%	59%	40%	71%	12%	10%	57%	18%
Homa Bay	180	55%	82%	76%	14%	83%	85%	68%	14%	59%	14%
Isiolo	41	62%	93%	79%	31%	81%	100%	76%	17%	67%	10%
Kajiado	224	49%	75%	68%	32%	64%	84%	38%	8%	54%	19%
Kakamega	229	50%	85%	76%	23%	70%	76%	54%	8%	50%	8%
Kericho	174	51%	91%	72%	24%	52%	84%	53%	16%	55%	16%
Kiambu	346	36%	77%	33%	30%	26%	78%	18%	9%	39%	16%
Kilifi	199	45%	72%	61%	22%	64%	75%	34%	9%	53%	16%
Kirinyaga	142	35%	61%	44%	28%	48%	70%	32%	7%	17%	10%
Kisii	140	53%	93%	73%	26%	36%	87%	71%	21%	52%	21%
Kisumu	154	58%	88%	77%	32%	78%	88%	61%	14%	63%	17%
Kitui	313	45%	88%	69%	23%	18%	74%	57%	7%	60%	11%
Kwale	95	52%	95%	82%	28%	89%	94%	54%	3%	20%	3%
Laikipia	86	43%	82%	70%	16%	47%	80%	0%	12%	59%	17%
Lamu	42	57%	84%	81%	30%	86%	86%	65%	16%	44%	23%
Machakos	255	39%	73%	59%	21%	24%	73%	44%	7%	44%	7%
Makueni	184	45%	84%	70%	12%	19%	70%	56%	11%	62%	17%
Mandera	64	41%	81%	52%	30%	43%	72%	13%	12%	48%	14%
Marsabit	89	39%	81%	61%	17%	56%	73%	11%	4%	48%	4%
Meru	361	33%	67%	48%	24%	26%	66%	27%	5%	26%	9%
Migori	169	48%	77%	57%	27%	77%	70%	64%	7%	45%	10%
Mombasa	293	32%	51%	49%	39%	42%	54%	18%	5%	19%	8%
Muranga	184	40%	84%	0%	20%	41%	91%	57%	13%	42%	15%
Nairobi	868	22%	44%	30%	25%	22%	44%	6%	4%	17%	10%
Nakuru	317	42%	74%	67%	29%	52%	77%	5%	4%	47%	27%
Nandi	175	41%	68%	68%	14%	39%	72%	43%	9%	47%	8%
Narok	129	51%	84%	78%	16%	51%	81%	60%	17%	56%	20%
Nyamira	114	53%	93%	78%	20%	43%	91%	73%	12%	39%	24%
Nyandarua	116	33%	69%	36%	22%	57%	77%	3%	11%	18%	7%
Nyeri	245	23%	63%	12%	7%	21%	63%	1%	7%	28%	8%
Samburu	71	39%	81%	57%	10%	47%	81%	4%	5%	56%	10%
Siaya	155	58%	87%	76%	16%	89%	89%	72%	9%	63%	18%
Taita Taveta	81	46%	78%	67%	27%	78%	84%	48%	10%	12%	12%
Tana River	49	52%	76%	71%	55%	69%	73%	45%	12%	59%	10%
Tharaka Nithi	116	41%	86%	57%	21%	49%	84%	27%	3%	35%	5%
Trans-Nzoia	137	35%	57%	48%	26%	28%	57%	39%	7%	39%	13%
Turkana	136	43%	82%	73%	30%	55%	79%	8%	3%	49%	5%
Uasin Gishu	146	47%	74%	61%	29%	57%	74%	49%	18%	48%	16%
Vihiga	87	55%	85%	82%	25%	80%	85%	66%	8%	53%	11%
Wajir	110	42%	90%	67%	56%	29%	69%	4%	6%	47%	9%
West Pokot	84	44%	80%	61%	23%	47%	76%	47%	17%	32%	11%
Facility type											
Hospital	607	51%	79%	71%	34%	58%	80%	45%	24%	41%	30%
Health centre	1064	53%	87%	72%	27%	59%	85%	53%	17%	60%	21%
Dispensary	3676	45%	84%	63%	16%	50%	80%	46%	7%	54%	9%
Medical clinic/Stand-alone VCT	2346	28%	53%	40%	30%	31%	54%	10%	4%	19%	8%
Maternity/Nursing home	301	50%	77%	69%	57%	50%	80%	39%	13%	41%	27%
Managing authority											
Public	3978	49%	87%	67%	15%	53%	82%	52%	12%	60%	14%
Private, not-for-profit	1327	42%	74%	57%	33%	48%	77%	35%	7%	34%	15%
Private, for-profit	2538	31%	57%	45%	35%	35%	59%	13%	5%	22%	10%
Others	152	27%	53%	39%	19%	27%	53%	19%	4%	22%	10%
Urban/Rural											
Urban	2450	33%	59%	45%	35%	36%	60%	18%	8%	26%	13%
Rural	4946	46%	82%	64%	19%	51%	80%	45%	9%	51%	12%
Kenya	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

#### 4.7.8

#### 4.7.9 Availability of NCD products

The proportion of health facilities stocking insulin injection was only in 13%, Aspirin 300mg tabulates was in 55% and Glucose solution in 47% of the health facilities. Most of the NCDs drugs are not stocked in the facilities surveyed. Hospitals and Maternity and nursing homes were better stocked with NCD products than primary care facilities for health centres and dispensaries. Also urban facilities had these tracer products better than in rural facilities. The mean availability of NCD tracer products is shown in the figure below;

**Figure 21: Percentage of facilities that have non-communicable disease tracer products observed in stock and valid (N=7396)**



The percentage of facilities having the different NCD tracer commodities, by County, is shown in the proceeding table.

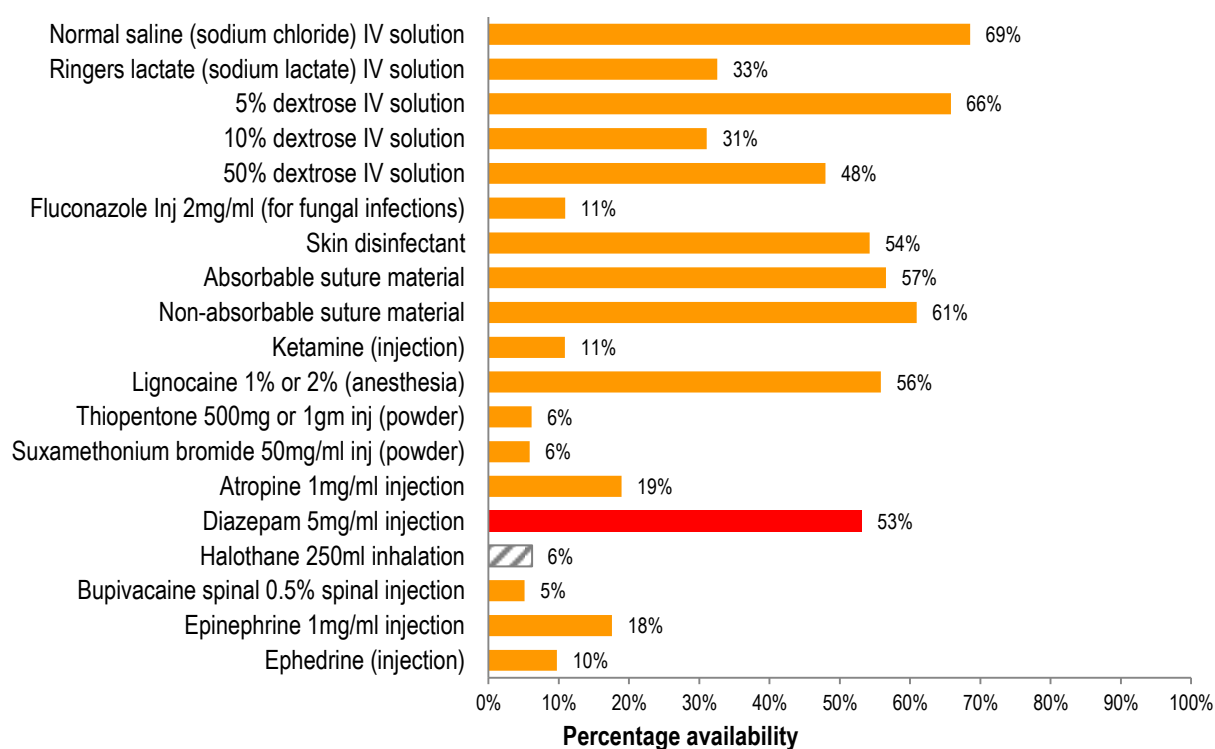
**Table 69: Percentage of facilities having the different NCD tracer commodities, by County**

County	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
Baringo	169	15%	4%	5%	42%	9%	12%	7%	4%	67%	3%	14%	6%	8%
Bomet	111	20%	11%	10%	64%	12%	13%	7%	3%	72%	10%	12%	8%	17%
Bungoma	141	22%	11%	11%	52%	20%	25%	15%	9%	54%	4%	24%	17%	19%
Busia	80	24%	12%	13%	61%	24%	24%	13%	5%	65%	4%	25%	19%	28%
Elgeyo-Marakwet	116	15%	6%	7%	42%	4%	12%	7%	3%	76%	2%	8%	7%	10%
Embu	149	26%	17%	13%	45%	24%	35%	15%	10%	64%	9%	33%	21%	25%
Garissa	129	30%	24%	23%	59%	26%	29%	24%	18%	60%	17%	32%	26%	24%
Homa Bay	180	20%	7%	10%	48%	18%	24%	13%	8%	57%	8%	21%	16%	15%
Isiolo	41	29%	12%	5%	62%	31%	31%	17%	19%	69%	12%	31%	21%	33%
Kajiado	224	32%	23%	17%	58%	28%	43%	28%	19%	62%	16%	46%	25%	13%
Kakamega	229	22%	11%	13%	55%	16%	26%	14%	7%	55%	6%	21%	17%	22%
Kericho	174	23%	10%	7%	60%	15%	21%	12%	10%	70%	15%	24%	16%	16%
Kiambu	346	37%	35%	21%	50%	40%	54%	34%	17%	55%	17%	55%	39%	24%
Kilifi	199	24%	18%	13%	53%	18%	39%	19%	14%	45%	8%	32%	13%	19%
Kirinyaga	142	22%	18%	13%	30%	24%	35%	19%	6%	50%	11%	29%	21%	11%
Kisii	140	28%	17%	22%	57%	23%	27%	23%	12%	63%	13%	28%	26%	26%
Kisumu	154	31%	21%	19%	59%	25%	37%	25%	16%	69%	14%	39%	23%	28%
Kitui	313	21%	11%	11%	54%	14%	21%	12%	5%	61%	7%	19%	18%	20%
Kwale	95	27%	13%	8%	56%	21%	40%	15%	4%	65%	13%	36%	20%	28%
Laikipia	86	33%	22%	19%	66%	25%	37%	29%	18%	71%	14%	32%	27%	35%
Lamu	42	33%	30%	12%	49%	40%	51%	35%	16%	53%	19%	42%	28%	26%
Machakos	255	25%	23%	14%	41%	22%	32%	19%	9%	59%	10%	29%	19%	21%
Makueni	184	25%	16%	16%	54%	20%	31%	19%	12%	59%	6%	27%	19%	26%
Mandera	64	32%	19%	22%	62%	28%	32%	32%	19%	72%	19%	28%	23%	22%
Marsabit	89	26%	15%	13%	40%	20%	30%	14%	11%	69%	12%	31%	24%	29%
Meru	361	24%	21%	11%	29%	28%	34%	17%	9%	46%	11%	37%	30%	15%
Migori	169	22%	14%	16%	51%	18%	29%	19%	7%	43%	10%	25%	20%	14%
Mombasa	293	23%	21%	16%	40%	18%	37%	20%	17%	26%	13%	36%	18%	15%
Muranga	184	28%	24%	0%	30%	27%	39%	26%	11%	68%	12%	38%	28%	33%
Nairobi	868	25%	22%	16%	36%	25%	34%	24%	18%	30%	17%	36%	24%	14%
Nakuru	317	31%	27%	17%	57%	30%	38%	23%	15%	59%	13%	43%	27%	19%
Nandi	175	14%	6%	7%	44%	11%	13%	5%	4%	49%	5%	12%	9%	7%
Narok	129	25%	17%	19%	61%	20%	26%	18%	11%	67%	11%	24%	16%	13%
Nyamira	114	23%	9%	14%	57%	21%	25%	15%	3%	70%	4%	25%	18%	15%
Nyandarua	116	30%	22%	11%	53%	30%	51%	23%	8%	61%	9%	41%	32%	15%
Nyeri	245	31%	28%	13%	29%	35%	45%	36%	21%	60%	14%	39%	38%	19%
Samburu	71	19%	3%	3%	57%	16%	23%	8%	4%	70%	6%	23%	9%	5%
Siaya	155	26%	19%	16%	61%	21%	30%	15%	8%	68%	11%	30%	16%	17%
Taita Taveta	81	25%	19%	12%	54%	27%	30%	23%	12%	59%	4%	21%	17%	26%
Tana River	49	17%	2%	20%	57%	8%	22%	6%	6%	55%	2%	14%	4%	4%
Tharaka Nithi	116	23%	13%	7%	31%	18%	29%	16%	7%	76%	6%	32%	21%	15%
Trans-Nzoia	137	15%	9%	8%	35%	13%	18%	11%	9%	32%	6%	21%	11%	6%
Turkana	136	17%	6%	11%	46%	11%	12%	9%	7%	43%	10%	27%	12%	11%
Uasin Gishu	146	24%	25%	8%	55%	25%	22%	16%	15%	60%	13%	26%	17%	11%
Vihiga	87	25%	8%	15%	62%	17%	34%	20%	9%	56%	14%	31%	22%	16%
Wajir	110	30%	23%	15%	54%	26%	35%	26%	18%	65%	14%	32%	22%	25%
West Pokot	84	14%	5%	4%	43%	7%	16%	7%	3%	61%	2%	14%	4%	4%
Facility type														
Hospital	607	54%	41%	61%	72%	65%	67%	64%	29%	66%	26%	55%	65%	39%
Health centre	1064	26%	17%	11%	61%	18%	29%	15%	10%	71%	10%	27%	19%	20%
Dispensary	3676	18%	9%	5%	46%	11%	17%	8%	6%	63%	6%	16%	10%	14%
Medical clinic/Stand-alone VCT	2346	25%	22%	12%	35%	26%	40%	23%	14%	31%	13%	43%	24%	15%
Maternity/Nursing home	301	52%	51%	47%	70%	56%	71%	51%	35%	57%	31%	72%	52%	34%
Managing authority														
Public	3978	18%	6%	8%	50%	10%	14%	9%	5%	68%	4%	10%	10%	16%
Private, not-for-profit	1327	37%	34%	22%	55%	38%	54%	31%	18%	56%	19%	57%	37%	22%
Private, for-profit	2538	30%	28%	17%	40%	32%	46%	28%	18%	35%	17%	48%	30%	18%
Others	152	20%	15%	13%	34%	19%	26%	17%	14%	31%	13%	32%	16%	12%
Urban/Rural														
Urban	2450	31%	27%	22%	45%	31%	43%	30%	20%	40%	18%	44%	29%	19%
Rural	4946	22%	13%	9%	48%	17%	25%	14%	7%	62%	7%	24%	17%	17%
Kenya	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

#### 4.7.10 Availability of general medicines

The general tracer medicines availability was Amoxicillin syrup suspensions (69%), gentamicin injection (53%), and ORS sachets (74%), Zinc tablets (63%), ACT (74%), Vitamin A capsules (61%) and paracetamol syrup / suspension (72%). On availability of other general medicines, 69% of the health facilities had stocked Normal saline IV solution, 33% with Ringers lactate IV solution while 66% had 5% dextrose IV solution. For the anaesthetic and pain relaxant drugs, 56% of the health facilities had stocked Lignocaine, 19% with Atropine, 53% with Diazepam and only 6% had Halothane. Maternity and nursing homes and hospitals had a mean availability of 62%, and 60% with private not-for-profit having better availability of general medicines (54%). The mean availability of the general tracer medicines/items was 49%. The mean availability of the general tracer medicines is shown in figure below

**Figure 22: Percentage of facilities that have general medicines observed in stock and valid (N=7396)**



The percentage of facilities having the different general medicines, by County, is shown in the proceeding table.

**Table 70: Percentage of facilities having the different general medicines, by County**

County	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Baringo	169	49%	79%	12%	10%	56%	31%	84%	76%	81%	65%	2%	72%
Bomet	111	55%	84%	11%	13%	33%	33%	96%	85%	97%	81%	5%	83%
Bungoma	141	49%	67%	12%	26%	56%	36%	77%	66%	81%	68%	4%	72%
Busia	80	52%	70%	12%	22%	67%	29%	84%	76%	89%	80%	4%	78%
Elgeyo-Marakwet	116	48%	82%	9%	15%	42%	26%	85%	75%	85%	46%	7%	78%
Embu	149	54%	82%	9%	33%	63%	29%	81%	74%	88%	80%	5%	79%
Garissa	129	58%	65%	29%	40%	49%	52%	85%	83%	82%	67%	10%	85%
Homa Bay	180	54%	75%	14%	27%	51%	43%	85%	78%	82%	68%	9%	80%
Isiolo	41	63%	81%	12%	24%	64%	36%	100%	95%	93%	100%	17%	93%
Kajiado	224	53%	81%	16%	47%	54%	41%	80%	63%	75%	57%	4%	81%
Kakamega	229	52%	64%	14%	28%	61%	43%	82%	64%	85%	71%	6%	80%
Kericho	174	56%	86%	10%	25%	36%	46%	87%	78%	91%	68%	18%	87%
Kiambu	346	55%	77%	18%	52%	71%	46%	78%	63%	77%	69%	11%	76%
Kilifi	199	47%	70%	13%	37%	61%	37%	69%	56%	72%	55%	5%	72%
Kirinyaga	142	42%	71%	11%	25%	44%	26%	71%	49%	61%	53%	7%	64%
Kisii	140	57%	79%	15%	26%	55%	46%	84%	74%	93%	76%	13%	89%
Kisumu	154	57%	77%	16%	44%	54%	46%	85%	75%	88%	68%	10%	86%
Kitui	313	50%	58%	7%	20%	53%	29%	81%	70%	88%	76%	7%	75%
Kwale	95	60%	93%	8%	34%	71%	52%	88%	81%	95%	77%	4%	86%
Laikipia	86	53%	77%	10%	39%	42%	32%	78%	76%	82%	77%	9%	74%
Lamu	42	55%	81%	12%	51%	70%	42%	74%	67%	84%	56%	14%	93%
Machakos	255	49%	73%	11%	34%	58%	38%	73%	65%	73%	65%	6%	75%
Makueni	184	51%	50%	11%	23%	59%	39%	82%	74%	84%	78%	6%	78%
Mandera	64	55%	70%	25%	30%	52%	45%	83%	84%	81%	61%	13%	80%
Marsabit	89	49%	57%	8%	27%	55%	19%	84%	76%	81%	72%	4%	80%
Meru	361	42%	64%	11%	31%	51%	33%	62%	50%	67%	47%	4%	65%
Migori	169	48%	46%	22%	30%	46%	41%	79%	67%	77%	57%	11%	72%
Mombasa	293	38%	53%	15%	45%	41%	39%	48%	39%	51%	34%	8%	57%
Muranga	184	60%	95%	20%	35%	72%	40%	91%	88%	84%	80%	8%	77%
Nairobi	868	34%	45%	15%	38%	38%	31%	46%	36%	44%	36%	6%	46%
Nakuru	317	53%	78%	15%	44%	62%	41%	78%	66%	74%	67%	9%	76%
Nandi	175	40%	63%	9%	17%	43%	27%	62%	53%	68%	46%	4%	59%
Narok	129	53%	76%	19%	27%	36%	42%	81%	75%	84%	70%	16%	74%
Nyamira	114	57%	86%	16%	29%	54%	42%	82%	71%	93%	73%	10%	88%
Nyandarua	116	50%	78%	9%	28%	65%	37%	87%	56%	69%	74%	4%	76%
Nyeri	245	45%	74%	11%	31%	59%	25%	68%	60%	63%	57%	6%	74%
Samburu	71	49%	75%	8%	21%	57%	30%	83%	70%	81%	69%	3%	73%
Siaya	155	55%	79%	9%	28%	56%	47%	83%	79%	87%	72%	6%	85%
Taita Taveta	81	50%	79%	10%	26%	56%	31%	75%	72%	78%	68%	7%	73%
Tana River	49	48%	53%	10%	31%	61%	31%	67%	63%	76%	71%	14%	71%
Tharaka Nithi	116	55%	87%	10%	21%	70%	46%	85%	72%	86%	70%	3%	84%
Trans-Nzoia	137	35%	50%	9%	26%	44%	22%	57%	33%	57%	47%	6%	55%
Turkana	136	54%	82%	20%	32%	62%	27%	82%	77%	82%	67%	10%	72%
Uasin Gishu	146	50%	72%	22%	31%	40%	34%	72%	65%	74%	65%	14%	69%
Vihiga	87	58%	82%	17%	37%	69%	48%	84%	69%	85%	78%	6%	89%
Wajir	110	52%	44%	12%	32%	42%	40%	85%	85%	90%	71%	11%	84%
West Pokot	84	49%	70%	5%	24%	49%	52%	75%	67%	80%	64%	3%	73%
Facility type													
Hospital	607	60%	80%	24%	58%	74%	43%	79%	74%	79%	67%	26%	82%
Health centre	1064	57%	75%	13%	27%	65%	40%	89%	79%	87%	82%	7%	83%
Dispensary	3676	51%	73%	8%	17%	49%	32%	84%	77%	84%	75%	5%	77%
Medical clinic/Stand-alone VCT	2346	37%	54%	16%	46%	45%	38%	50%	34%	53%	31%	5%	57%
Maternity/Nursing home	301	62%	79%	41%	72%	76%	60%	76%	63%	77%	63%	12%	80%
Managing authority													
Public	3978	52%	73%	7%	13%	51%	29%	87%	81%	87%	78%	6%	80%
Private, not-for-profit	1327	54%	74%	18%	53%	61%	46%	76%	62%	74%	65%	10%	75%
Private, for-profit	2538	42%	60%	21%	50%	51%	44%	55%	40%	57%	36%	7%	61%
Others	152	35%	47%	10%	34%	39%	32%	49%	37%	53%	39%	7%	50%
Urban/Rural													
Urban	2450	43%	59%	19%	48%	50%	38%	57%	47%	59%	43%	9%	61%
Rural	4946	51%	74%	11%	24%	54%	36%	82%	72%	82%	71%	6%	78%
Kenya	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE HEALTH SERVICES

05



## 5. READINESS TO PROVIDE HEALTH SERVICES

Service readiness looks at the capacity of the health facilities to provide required services. This is in terms of availability of basic requirements to provide services – infrastructure, amenities, basic equipment, standard precautions for infection control, diagnostic tests, medicines and commodities.

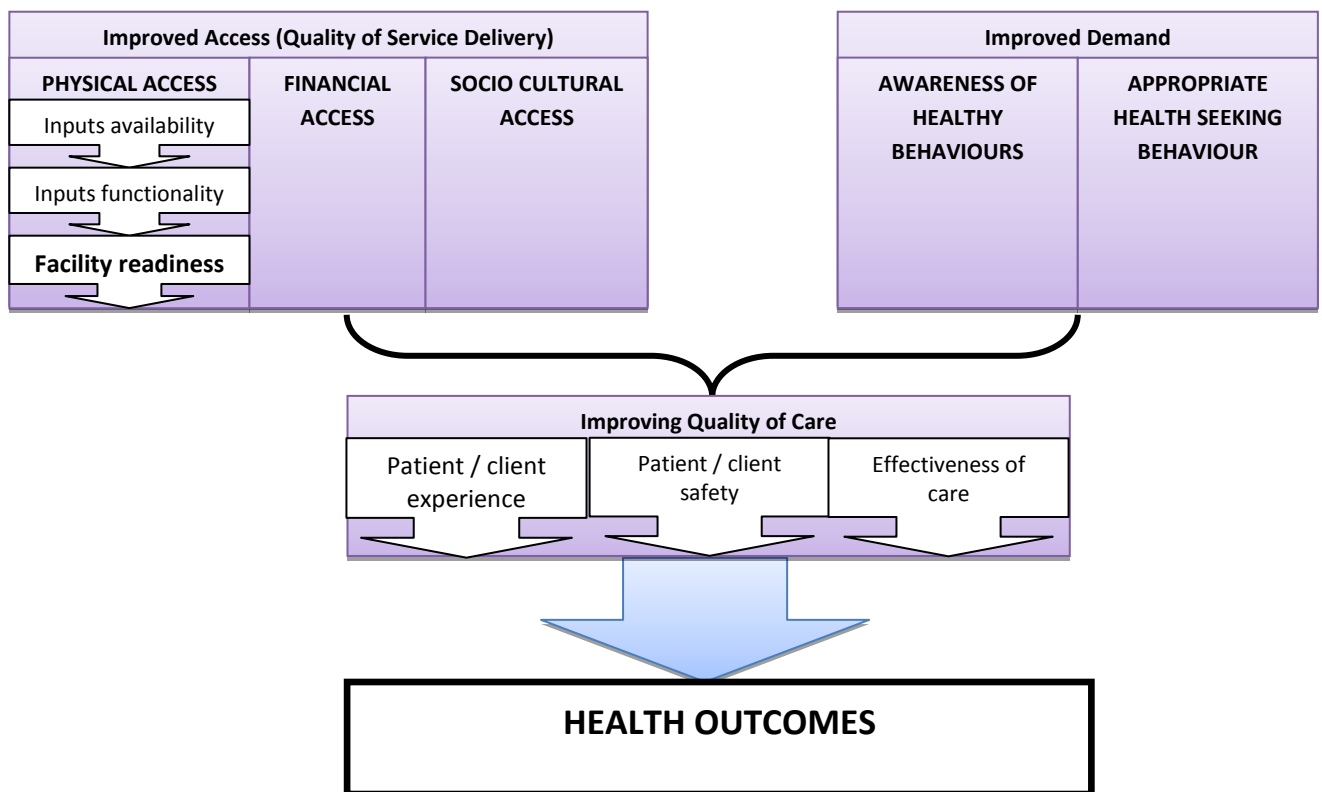
A facility may have the required infrastructure, and staff for a maternity unit, but without basic equipment, or services like water / electricity to allow it provide quality maternity services. Such a facility is not 'ready' for maternity services provision.

It may have the required staff and equipment for provision of child health services, but the staffs do not have the up to date skills in providing the services. Such a facility is not 'ready' for child health services provision

The said facility may have the staff, infrastructure and commodities for running immunization services, but the vaccines are expired / poorly stored that they are not potent. Such a facility is not 'ready' for immunization services provision.

Readiness is therefore a critical element in assuring access to quality health services, which affects utilization patterns. Significant investments may be made into improving inputs (building facilities; hiring staff; buying equipment, etc.), but if the facilities are not made 'ready' to provide services, then the utilization of the services will not be as expected – the investments would not be used maximally. Physical access to services can only be assured, if inputs are made available, are functional, and the facility is ready to provide the service.

**Figure 23: Health Outputs and the role of service readiness**



In the SARAM, we have focused on three elements of service readiness

- (1) **General Service Readiness:** Looking at the overall readiness of facilities to provide all Health Services they are expected to provide. The general service readiness is derived from four critical readiness variables:
- Availability of basic amenities.** The provision of an enabling working environment is a basic requirement for an effective and functional health care delivery system. Such enabling

environment includes the physical infrastructure and the availability of basic requirements for delivering quality services. Service readiness for basic amenities was assessed based on the availability of the following tracer items: room with privacy, power supply, communication equipment, improved water source, adequate sanitation facilities, computer with internet access, and emergency transportation.

- ii. **Availability of basic equipment.** This looks at the availability of critical equipment, required for cross cutting delivery of health services. Facilities were assessed on the availability of the following basic equipment items: adult weighingscale, child/infant weighing scale, thermometer, stethoscope, blood pressure machines and light source.
  - iii. **Availability of standard precautions.** Patients and health staff Safety is an essential part of the health service delivery system. Health care workers must be able to work in a safe working environment and provide services in a manner safest to their clients. Service readiness with respect to standard precautions was assessed based on the availability of the following 10 tracer items: safe disposal of sharps, safe final disposal of infectious wastes, appropriate storage of sharps wastes, appropriate storage of infectious waste, disinfectant, disposable or auto-disable syringes, soap and water or alcohol based hand rub, latex gloves, and guidelines on standard precautions.
  - iv. **Availability of essential medicines.** None availability of medicines is commonly cited as the most important element of quality by health care consumers, and the absence of medicines is a key factor in the underuse of public health services. Facilities were assessed on whether they had the following 14 essential medicines in stock on the day of the assessment: Amitriptyline, Amoxicillin, Atenolol, Captopril, Ceftriaxone injection, Ciprofloxacin, Co-trimoxazole suspension, Diazepam, Diclofenac, Glibenclamide, Omeprazole, Paracetamol suspension, Salbutamol inhaler, and Simvastatin. Only medicines that were observed at the facility with valid expiration date were considered.
- (2) **Service specific readiness:** Looking at readiness of facilities to provide specific health services – focusing on HIV, TB, Malaria, Immunization, Child Health, maternal health, NCD's and surgical services. Basic amenities and standard precautions are all considered cross cutting, and should be available for all services. Tracer equipment and essential medicines are defined for each program area in the table overleaf.
- (3) **Health leadership readiness:** Looking at the availability of critical capacity and actions needed for stewardship of the health agenda.

**Table 71: Specific service readiness for selected services**

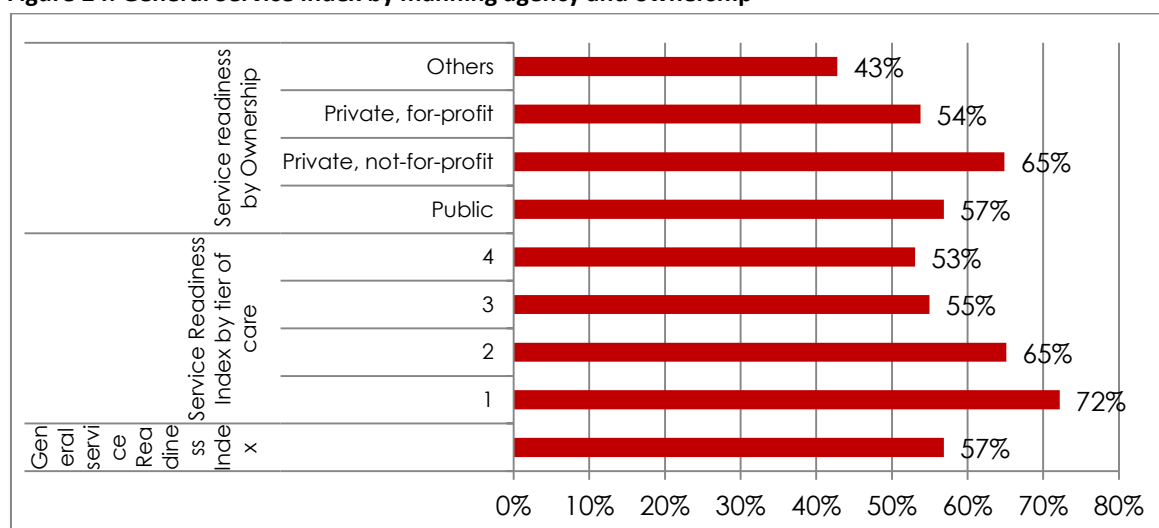
Program area	Readiness variables tracer items			
	Cross cutting basic amenities	Crises cutting standard precautions	Basic equipment	Specific essential medicines
<b>HIV</b>	<ul style="list-style-type: none"> <li>- room with privacy</li> <li>- power supply</li> <li>- communication equipment</li> <li>- improved water source</li> <li>- adequate sanitation facilities</li> <li>- computer with internet access</li> <li>- Emergency transportation.</li> </ul>	<ul style="list-style-type: none"> <li>- safe disposal of sharps</li> <li>- safe final disposal of infectious wastes</li> <li>- appropriate storage of sharps wastes</li> <li>- appropriate storage of infectious waste</li> <li>- disinfectant</li> <li>- disposable or auto-disable syringes</li> <li>- soap and water or alcohol based hand rub</li> <li>- latex gloves</li> <li>- Guidelines on standard precautions.</li> </ul>	<ul style="list-style-type: none"> <li>- adult weighing scale,</li> <li>- thermometer,</li> <li>- stethoscope</li> <li>- blood pressure machines</li> </ul>	<ul style="list-style-type: none"> <li>- ZDV</li> <li>- NVP</li> <li>- AZT + 3TC + NVP</li> <li>- TDF + 3TC + NVP</li> <li>- TDF + 3TC + EFV</li> </ul>
<b>TB</b>			<ul style="list-style-type: none"> <li>- adult weighing scale,</li> <li>- thermometer,</li> <li>- stethoscope</li> <li>- microscope</li> </ul>	<ul style="list-style-type: none"> <li>- Streptomycin 1gm injection</li> <li>- Isoniazid + Rifampicin + pyrazinamide + Ethambutol</li> <li>- Isoniazid + Rifampicin</li> </ul>
<b>Malaria</b>			<ul style="list-style-type: none"> <li>- thermometer,</li> <li>- stethoscope</li> <li>- light source</li> <li>- Spray pumps for IRS</li> <li>- RDT's</li> </ul>	<ul style="list-style-type: none"> <li>- ACT</li> <li>- Quinine 300gm Injectable</li> <li>- Paracetamol cap / tab</li> <li>- ITN's</li> </ul>
<b>Child Health - Immunization</b>			<ul style="list-style-type: none"> <li>- child/infant weighing scale</li> <li>- light source</li> </ul>	<ul style="list-style-type: none"> <li>- Measles vaccine</li> <li>- Pentavalent vaccine</li> <li>- Oral polio vaccine</li> <li>- BCG vaccine</li> <li>- Tetanus toxoid vaccine</li> <li>- PCV-10 vaccine</li> <li>- Rotavirus vaccine</li> </ul>
<b>Child Health – child care</b>			<ul style="list-style-type: none"> <li>- child/infant weighing scale</li> <li>- thermometer,</li> <li>- stethoscope</li> <li>- blood pressure machines</li> <li>- light source</li> </ul>	<ul style="list-style-type: none"> <li>- Amoxicillin syrup / suspension</li> <li>- Gentamycin injectable</li> <li>- Procaine benzyl penicillin</li> <li>- ORS sachets</li> <li>- Zinc tablets</li> <li>- Vitamin A capsules</li> <li>- Paracetamol syrup</li> </ul>
<b>Maternal Health</b>			<ul style="list-style-type: none"> <li>- adult weighing scale,</li> <li>- child/infant weighing scale</li> <li>- thermometer,</li> <li>- stethoscope</li> <li>- blood pressure machines</li> <li>- light source</li> </ul>	<ul style="list-style-type: none"> <li>- Oxytocin injectable</li> <li>- Magnesium sulphate injectable</li> <li>- Gentamycin injectable</li> <li>- Misoprostol cap / tab</li> <li>- Beta/dexa-methasone injectable</li> </ul>
<b>NCD's</b>			<ul style="list-style-type: none"> <li>- adult weighing scale,</li> <li>- stethoscope</li> <li>- blood pressure machines</li> </ul>	<ul style="list-style-type: none"> <li>- Glucose 50% (or 10%) inj</li> <li>- Furosemide 40mg tabs</li> <li>- Atenolol 50mg cap/tab</li> <li>- Aspirin 300mg tab</li> <li>- Beclomethasone 50mcg/dose inhaler</li> <li>- Prednisolone cap/tab</li> </ul>
<b>Surgical care</b>			<ul style="list-style-type: none"> <li>- adult weighing scale,</li> <li>- child/infant weighing scale</li> <li>- thermometer,</li> <li>- stethoscope</li> <li>- blood pressure machines</li> <li>- light source</li> </ul>	<ul style="list-style-type: none"> <li>- Amoxicillin,</li> <li>- Atenolol,</li> <li>- Ceftriaxone injection,</li> <li>- Ciprofloxacin,</li> <li>- Co-trimoxazole suspension,</li> <li>- Diazepam,</li> <li>- Diclofenac</li> </ul>

## 5.1 General Service readiness

General service Readiness refers to the overall capacity of the health facilities to provide the general health services. The readiness in this aspect showed the basic requirements to provide services such as infrastructure, amenities, basic equipment, standard precautions for infection control, diagnostic tests, medicines and commodities.

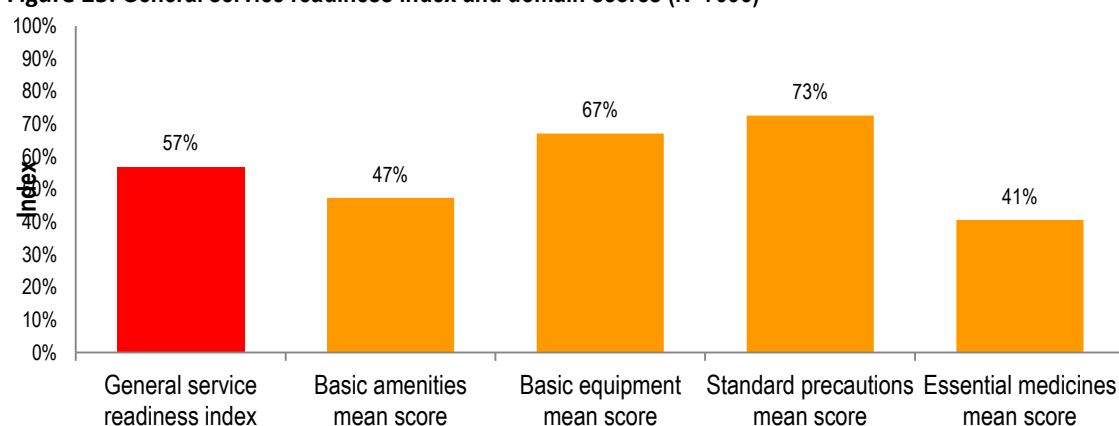
Information on readiness is captured around four domains of standard precautions, basic amenities, Basic equipment and Essential medicines. Generally, the service readiness index was 57% - implying 57% of all health facilities are ready to provide KEPH services. Of these, 47% have the basic amenities to provide services; 67% have the basic equipment required, 41% have essential medicines and 73% have the standard precautions. Hospitals had the highest service index of 72% followed by the nursing and maternity homes with 71% and health centres with 65%. On the other hand, the Private not-for-profit facilities have the highest general readiness index (65%) compared with the public (57%) and Private for-profit (54%). There was no significant difference between urban and rural health facilities.

**Figure 24: General Service index by manning agency and ownership**



**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

**Figure 25: General service readiness index and domain scores (N=7995)**



A similar pattern is seen across Counties, as shown in the proceeding tables.

**Table 72: General service readiness, by County**

County	Number of Health facilities	General service Readiness Index	Service Readiness Index by tier of care				Service readiness by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
Baringo	169	52%	84%	64%	49%	59%	12%	51%	60%	9%
Bomet	111	62%	87%	68%	59%	60%	60%	75%	77%	33%
Bungoma	141	56%	81%	65%	50%	57%	55%	65%	55%	46%
Busia	80	58%	78%	63%	54%	59%	55%	69%	64%	47%
Elgeyo-Marakwet	116	51%	86%	64%	47%	13%	51%	69%	20%	0
Embu	149	64%	90%	75%	62%	61%	62%	74%	61%	0
Garissa	129	58%	77%	59%	47%	61%	53%	79%	61%	90%
Homa Bay	180	60%	78%	61%	60%	49%	60%	64%	50%	50%
Isiolo	41	64%	67%	70%	60%	77%	60%	67%	81%	65%
Kajiado	224	62%	69%	66%	57%	64%	56%	66%	65%	82%
Kakamega	229	57%	79%	62%	53%	54%	58%	57%	55%	40%
Kericho	174	58%	86%	60%	57%	48%	57%	66%	62%	32%
Kiambu	346	67%	75%	72%	65%	64%	66%	68%	67%	27%
Kilifi	199	58%	86%	73%	57%	53%	60%	73%	55%	37%
Kirinyaga	142	59%	50%	76%	63%	53%	66%	59%	51%	0
Kisii	140	65%	83%	67%	55%	77%	61%	69%	83%	78%
Kisumu	154	66%	90%	68%	57%	74%	60%	79%	76%	56%
Kitui	313	57%	79%	61%	53%	65%	55%	68%	65%	27%
Kwale	95	65%	88%	76%	60%	67%	62%	69%	70%	64%
Laikipia	86	64%	87%	64%	64%	59%	64%	67%	64%	54%
Lamu	42	65%	71%	78%	61%	69%	61%	78%	69%	0
Machakos	255	56%	80%	67%	52%	56%	55%	59%	57%	11%
Makueni	184	60%	80%	61%	58%	58%	58%	72%	57%	69%
Mandera	64	52%	71%	51%	33%	75%	43%	66%	74%	73%
Marsabit	89	56%	85%	60%	51%	59%	51%	73%	57%	79%
Meru	361	56%	75%	70%	55%	53%	58%	68%	53%	40%
Migori	169	61%	83%	68%	52%	70%	55%	67%	75%	74%
Mombasa	293	50%	77%	68%	62%	44%	63%	66%	46%	37%
Muranga	184	66%	79%	68%	64%	70%	63%	73%	68%	68%
Nairobi	868	48%	47%	63%	60%	43%	60%	61%	42%	43%
Nakuru	317	60%	89%	66%	53%	60%	55%	63%	64%	52%
Nandi	175	51%	76%	66%	48%	49%	49%	55%	55%	29%
Narok	129	55%	74%	63%	51%	53%	51%	62%	63%	53%
Nyamira	114	65%	77%	65%	58%	71%	62%	66%	71%	0
Nyandarua	116	64%	68%	69%	64%	59%	63%	72%	61%	0
Nyeri	245	59%	63%	75%	61%	53%	64%	62%	55%	0%
Samburu	71	50%	45%	73%	54%	25%	50%	72%	25%	44%
Siaya	155	63%	79%	75%	57%	61%	61%	73%	60%	56%
Taita Taveta	81	64%	84%	68%	62%	64%	66%	74%	56%	68%
Tana River	49	53%	51%	73%	52%	41%	57%	38%	37%	0
Tharaka Nithi	116	62%	88%	72%	59%	60%	59%	67%	64%	51%
Trans-Nzoia	137	43%	79%	69%	51%	32%	60%	58%	25%	41%
Turkana	136	48%	72%	59%	47%	35%	47%	60%	35%	0
Uasin Gishu	146	52%	74%	57%	49%	51%	52%	55%	52%	26%
Vihiga	87	63%	80%	67%	56%	62%	62%	67%	64%	53%
Wajir	110	51%	66%	45%	43%	59%	43%	76%	66%	0
West Pokot	84	44%	79%	57%	40%	45%	45%	48%	45%	0%
Kenya	7995	57%	72%	65%	55%	53%	57%	65%	54%	43%

**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

**Table 73: General Service readiness across Counties, by readiness domain**

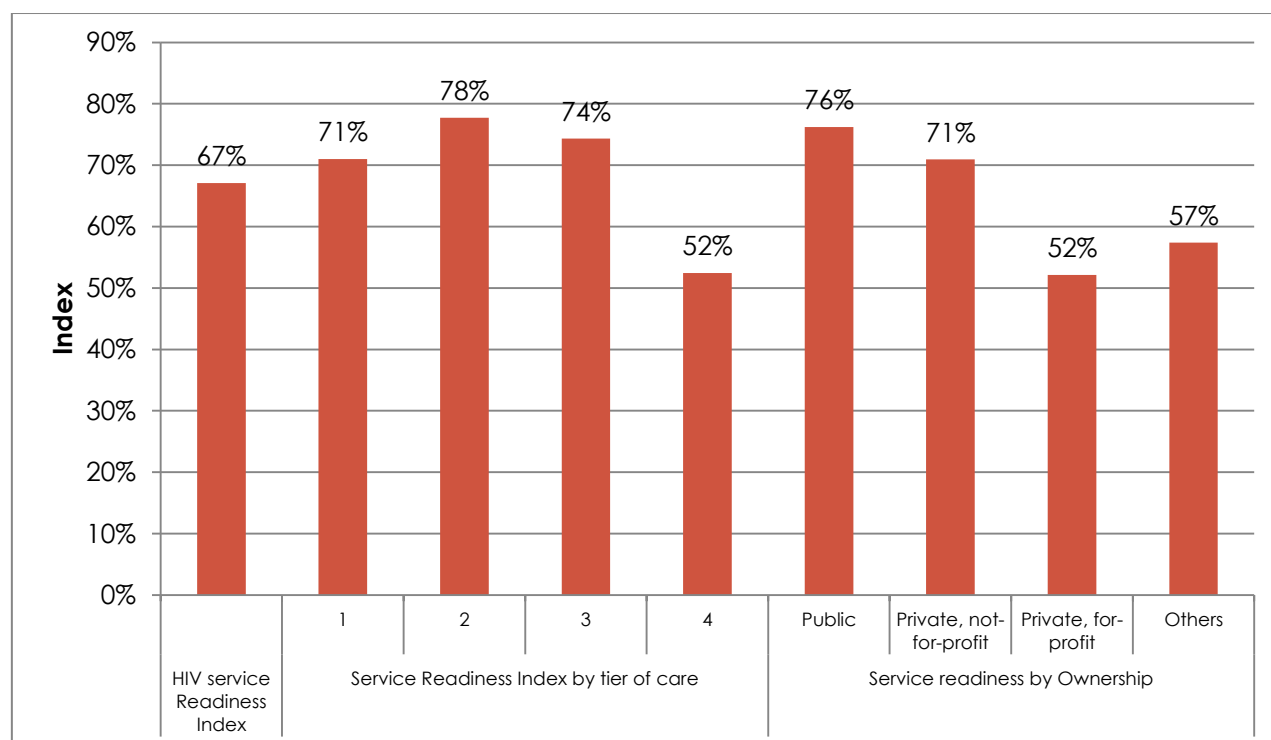
County	Total number of facilities	General service readiness index	Service Readiness Domain			
			Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
Baringo	169	52%	44%	65%	72%	29%
Bomet	111	62%	44%	81%	86%	35%
Bungoma	141	56%	45%	72%	72%	35%
Busia	80	58%	49%	72%	74%	37%
Elgeyo-Marakwet	116	51%	44%	57%	74%	30%
Embu	149	64%	52%	77%	82%	46%
Garissa	129	58%	45%	64%	74%	47%
Homa Bay	180	60%	43%	77%	78%	41%
Isiolo	41	64%	47%	90%	76%	44%
Kajiado	224	62%	52%	65%	81%	52%
Kakamega	229	57%	43%	76%	73%	36%
Kericho	174	58%	49%	66%	77%	40%
Kiambu	346	67%	58%	77%	77%	55%
Kilifi	199	58%	50%	68%	73%	40%
Kirinyaga	142	59%	52%	67%	77%	38%
Kisii	140	65%	51%	82%	81%	45%
Kisumu	154	66%	58%	78%	80%	50%
Kitui	313	57%	45%	71%	78%	34%
Kwale	95	65%	51%	82%	82%	44%
Laikipia	86	64%	49%	77%	82%	48%
Lamu	42	65%	55%	76%	77%	54%
Machakos	255	56%	44%	69%	69%	41%
Makueni	184	60%	47%	77%	78%	36%
Mandera	64	52%	39%	55%	65%	47%
Marsabit	89	56%	42%	71%	73%	38%
Meru	361	56%	49%	62%	73%	41%
Migori	169	61%	50%	79%	77%	37%
Mombasa	293	50%	44%	57%	59%	38%
Muranga	184	66%	56%	79%	85%	46%
Nairobi	868	48%	48%	48%	60%	35%
Nakuru	317	60%	50%	65%	74%	49%
Nandi	175	51%	41%	59%	73%	30%
Narok	129	55%	39%	63%	74%	42%
Nyamira	114	65%	49%	84%	83%	42%
Nyandarua	116	64%	55%	76%	78%	46%
Nyeri	245	59%	55%	65%	70%	46%
Samburu	71	50%	37%	61%	67%	33%
Siaya	155	63%	52%	77%	80%	42%
Taita Taveta	81	64%	64%	75%	79%	40%
Tana River	49	53%	29%	78%	71%	34%
Tharaka Nithi	116	62%	50%	76%	75%	47%
Trans-Nzoia	137	43%	35%	54%	56%	28%
Turkana	136	48%	30%	60%	64%	38%
Uasin Gishu	146	52%	38%	62%	68%	42%
Vihiga	87	63%	53%	76%	76%	46%
Wajir	110	51%	36%	59%	64%	43%
West Pokot	84	44%	29%	56%	64%	29%
Facility type	7995					
Hospital	607	72%	68%	77%	81%	63%
Health centre	1064	65%	56%	80%	82%	43%
Dispensary	3676	55%	41%	70%	75%	34%
Medical clinic/Stand-alone VCT	2346	51%	46%	54%	63%	41%
Maternity/Nursing home	301	71%	64%	75%	78%	66%
Managing authority						
Public	3978	57%	45%	73%	77%	33%
Private, not-for-profit	1327	65%	56%	72%	77%	54%
Private, for-profit	2538	54%	47%	57%	65%	45%
Others	152	43%	38%	45%	55%	33%
Urban/Rural						
Urban	2450	56%	52%	59%	67%	45%
Rural	4946	57%	45%	71%	75%	38%
Kenya	7396	57%	47%	67%	73%	41%

**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

## 5.2 Readiness for provision of HIV / AIDS services

The general service readiness index for provision of HIV/AIDS services was 67% - only 67% of facilities are ready to provide the KEPH-defined HIV/AIDS services. Readiness is highest at the Primary Care facilities, and lowest for hospital services. Similarly, the public facilities are most ready to provide the HIV services, as compared to other facilities.

**Figure 26: HIV services readiness index and domain scores in Kenya (N=7995)**



**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

Specific readiness for provision of HIV services, by County, are shown in the table overleaf.

**Table 74: HIV services readiness, by County**

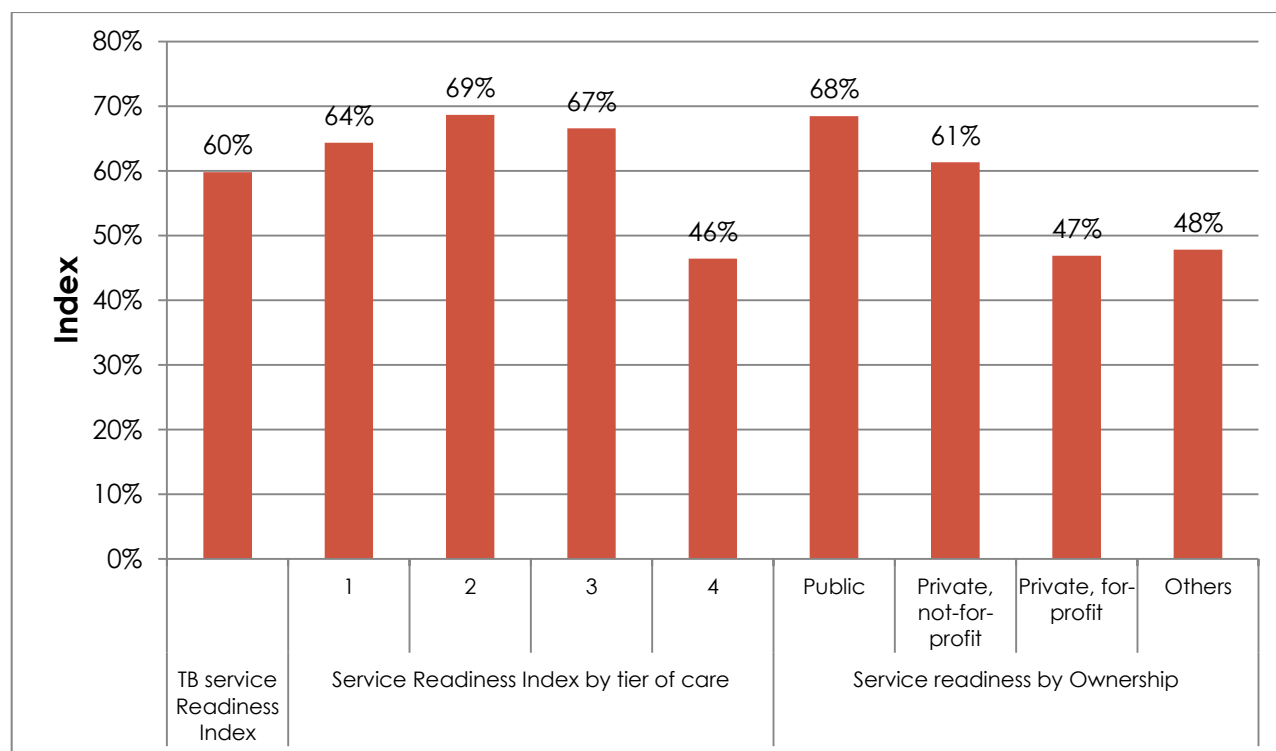
County	Number of Health facilities	HIV service Readiness Index	Service Readiness Index by tier of care				Service readiness by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
Baringo	169	68%	71%	84%	67%	57%	14%	71%	54%	20%
Bomet	111	78%	100%	82%	77%	50%	78%	79%	83%	50%
Bungoma	141	76%	95%	80%	78%	59%	81%	75%	56%	75%
Busia	80	77%	71%	80%	78%	71%	77%	70%	93%	50%
Elgeyo-Marakwet	116	73%	78%	85%	71%	38%	71%	96%	58%	0
Embu	149	73%	81%	83%	84%	54%	83%	78%	51%	0
Garissa	129	60%	83%	85%	63%	44%	73%	42%	45%	0%
Homa Bay	180	84%	100%	84%	86%	72%	88%	77%	82%	63%
Isiolo	41	76%	67%	75%	80%	67%	81%	70%	70%	50%
Kajiado	224	66%	55%	66%	77%	59%	79%	70%	55%	63%
Kakamega	229	80%	81%	81%	84%	75%	82%	92%	72%	80%
Kericho	174	76%	82%	75%	77%	67%	74%	79%	87%	83%
Kiambu	346	66%	62%	63%	70%	63%	69%	70%	62%	33%
Kilifi	199	62%	59%	70%	69%	56%	71%	65%	53%	69%
Kirinyaga	142	65%	57%	59%	71%	64%	70%	69%	59%	0
Kisii	140	90%	83%	100%	87%	93%	91%	98%	79%	100%
Kisumu	154	85%	88%	81%	90%	76%	91%	80%	71%	75%
Kitui	313	74%	68%	83%	76%	59%	77%	74%	59%	50%
Kwale	95	65%	63%	78%	66%	60%	68%	60%	59%	100%
Laikipia	86	69%	75%	75%	74%	53%	71%	82%	46%	75%
Lamu	42	60%	17%	75%	63%	62%	60%	60%	62%	0
Machakos	255	64%	81%	87%	69%	51%	74%	60%	53%	70%
Makueni	184	75%	83%	94%	79%	52%	83%	74%	55%	0%
Mandera	64	59%	100%	74%	46%	50%	64%	50%	47%	0%
Marsabit	89	61%	100%	73%	67%	33%	69%	75%	26%	100%
Meru	361	51%	71%	87%	65%	35%	73%	61%	36%	50%
Migori	169	83%	96%	89%	82%	76%	83%	79%	84%	100%
Mombasa	293	50%	53%	53%	69%	44%	63%	48%	46%	52%
Muranga	184	66%	90%	71%	72%	70%	77%	71%	65%	0%
Nairobi	868	48%	51%	63%	69%	41%	75%	56%	41%	45%
Nakuru	317	60%	85%	81%	77%	66%	79%	70%	72%	65%
Nandi	175	51%	90%	85%	72%	50%	73%	81%	54%	50%
Narok	129	55%	79%	90%	84%	75%	83%	85%	94%	67%
Nyamira	114	65%	100%	92%	86%	84%	91%	88%	83%	0
Nyandarua	116	64%	58%	73%	72%	58%	73%	74%	54%	0
Nyeri	245	59%	57%	78%	69%	58%	72%	56%	59%	25%
Samburu	71	50%	100%	92%	78%	43%	78%	88%	43%	100%
Siaya	155	63%	94%	88%	88%	75%	87%	89%	81%	63%
Taita Taveta	81	64%	83%	59%	68%	48%	66%	58%	42%	100%
Tana River	49	53%	67%	75%	53%	0%	53%	80%	25%	0
Tharaka Nithi	116	62%	79%	73%	77%	45%	74%	71%	55%	88%
Trans-Nzoia	137	43%	92%	67%	71%	56%	75%	72%	51%	100%
Turkana	136	48%	71%	67%	66%	70%	66%	70%	67%	0
Uasin Gishu	146	52%	85%	71%	73%	51%	77%	63%	56%	33%
Vihiga	87	63%	81%	72%	81%	70%	78%	72%	72%	50%
Wajir	110	51%	59%	76%	69%	40%	68%	80%	39%	0
West Pokot	84	44%	90%	50%	72%	56%	68%	80%	56%	50%
Kenya	7995	67%	71%	78%	74%	52%	76%	71%	52%	57%

**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

### 5.3 Readiness for provision of TB services

The general service readiness index for provision of TB services is 60% - only 60% of facilities are ready to provide the KEPH-defined TB services. Readiness is highest at the Primary Care facilities, and lowest for hospital services. Similarly, the public facilities are most ready to provide TB services, as compared to other facilities.

**Figure 27: TB services readiness index and domain scores in Kenya (N=7995)**



**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

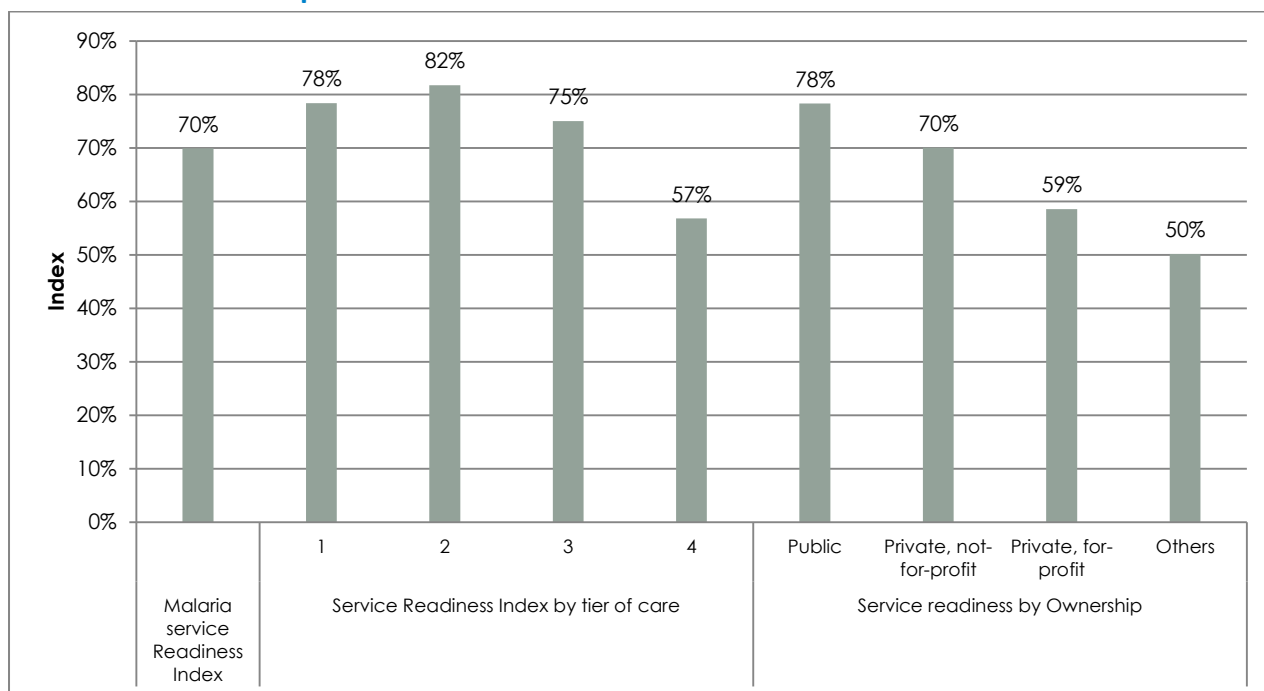
TB services readiness varied significantly across Counties, as shown in the table overleaf.

**Table 75: Tuberculosis (TB) services readiness, by County**

County	Number of Health facilities	TB service Readiness Index	Service Readiness Index by tier of care				Service readiness by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
Baringo	169	60%	100%	95%	54%	43%	9%	37%	46%	0%
Bomet	111	70%	100%	79%	68%	33%	73%	58%	33%	0%
Bungoma	141	79%	91%	95%	79%	64%	84%	80%	74%	25%
Busia	80	75%	100%	80%	80%	33%	82%	67%	29%	100%
Elgeyo-Marakwet	116	50%	100%	65%	43%	0%	51%	54%	17%	
Embu	149	65%	75%	92%	78%	40%	87%	44%	43%	
Garissa	129	65%	89%	78%	73%	50%	77%	50%	51%	0%
Homa Bay	180	78%	100%	93%	80%	41%	86%	72%	36%	50%
Isiolo	41	62%	100%	67%	52%	83%	62%	50%	80%	100%
Kajiado	224	61%	58%	77%	73%	45%	76%	83%	42%	50%
Kakamega	229	69%	88%	92%	80%	41%	89%	54%	43%	40%
Kericho	174	73%	100%	83%	74%	44%	76%	67%	60%	67%
Kiambu	346	61%	58%	80%	66%	48%	82%	61%	49%	33%
Kilifi	199	52%	82%	93%	67%	34%	76%	65%	32%	31%
Kirinyaga	142	50%	36%	82%	69%	25%	82%	46%	24%	
Kisii	140	82%	100%	87%	83%	61%	91%	57%	65%	50%
Kisumu	154	77%	94%	91%	70%	67%	79%	73%	76%	75%
Kitui	313	61%	86%	78%	62%	41%	67%	52%	41%	0%
Kwale	95	82%	100%	89%	91%	58%	92%	80%	55%	100%
Laikipia	86	68%	75%	90%	71%	45%	75%	68%	50%	25%
Lamu	42	42%	67%	75%	48%	15%	48%	80%	15%	
Machakos	255	55%	100%	94%	64%	31%	71%	52%	37%	0%
Makueni	184	75%	100%	92%	77%	57%	81%	84%	56%	0%
Mandera	64	48%	100%	63%	15%	67%	43%	0%	61%	100%
Marsabit	89	49%	50%	53%	53%	39%	47%	79%	33%	100%
Meru	361	38%	69%	80%	54%	20%	66%	56%	19%	25%
Migori	169	73%	92%	93%	70%	59%	76%	67%	68%	100%
Mombasa	293	50%	81%	75%	54%	34%	67%	50%	36%	22%
Muranga	184	66%	90%	100%	79%	50%	86%	67%	58%	0%
Nairobi	868	48%	53%	72%	59%	34%	61%	55%	36%	62%
Nakuru	317	60%	88%	73%	53%	50%	63%	50%	50%	80%
Nandi	175	51%	100%	80%	49%	32%	55%	51%	35%	25%
Narok	129	55%	71%	92%	68%	58%	76%	62%	78%	33%
Nyamira	114	65%	100%	85%	88%	68%	88%	84%	65%	
Nyandarua	116	64%	46%	100%	80%	45%	88%	71%	43%	
Nyeri	245	59%	39%	95%	66%	35%	74%	58%	33%	0%
Samburu	71	50%	75%	100%	73%	27%	76%	75%	27%	100%
Siaya	155	63%	100%	89%	84%	55%	86%	74%	54%	75%
Taita Taveta	81	64%	100%	100%	85%	45%	89%	83%	44%	50%
Tana River	49	53%	33%	75%	53%	50%	58%	40%	25%	
Tharaka Nithi	116	62%	86%	91%	59%	14%	61%	65%	20%	75%
Trans-Nzoia	137	43%	100%	92%	78%	45%	87%	70%	40%	0%
Turkana	136	48%	100%	83%	75%	32%	73%	85%	33%	
Uasin Gishu	146	52%	69%	92%	60%	38%	68%	66%	39%	33%
Vihiga	87	63%	75%	94%	85%	54%	89%	69%	48%	100%
Wajir	110	51%	73%	70%	62%	36%	66%	60%	34%	
West Pokot	84	44%	80%	88%	54%	19%	63%	55%	19%	0%
Kenya	7995	60%	73%	84%	67%	39%	74%	62%	39%	44%

**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

## 5.4 Readiness for provision of Malaria services



**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

**Table 76: Malaria services readiness, by County**

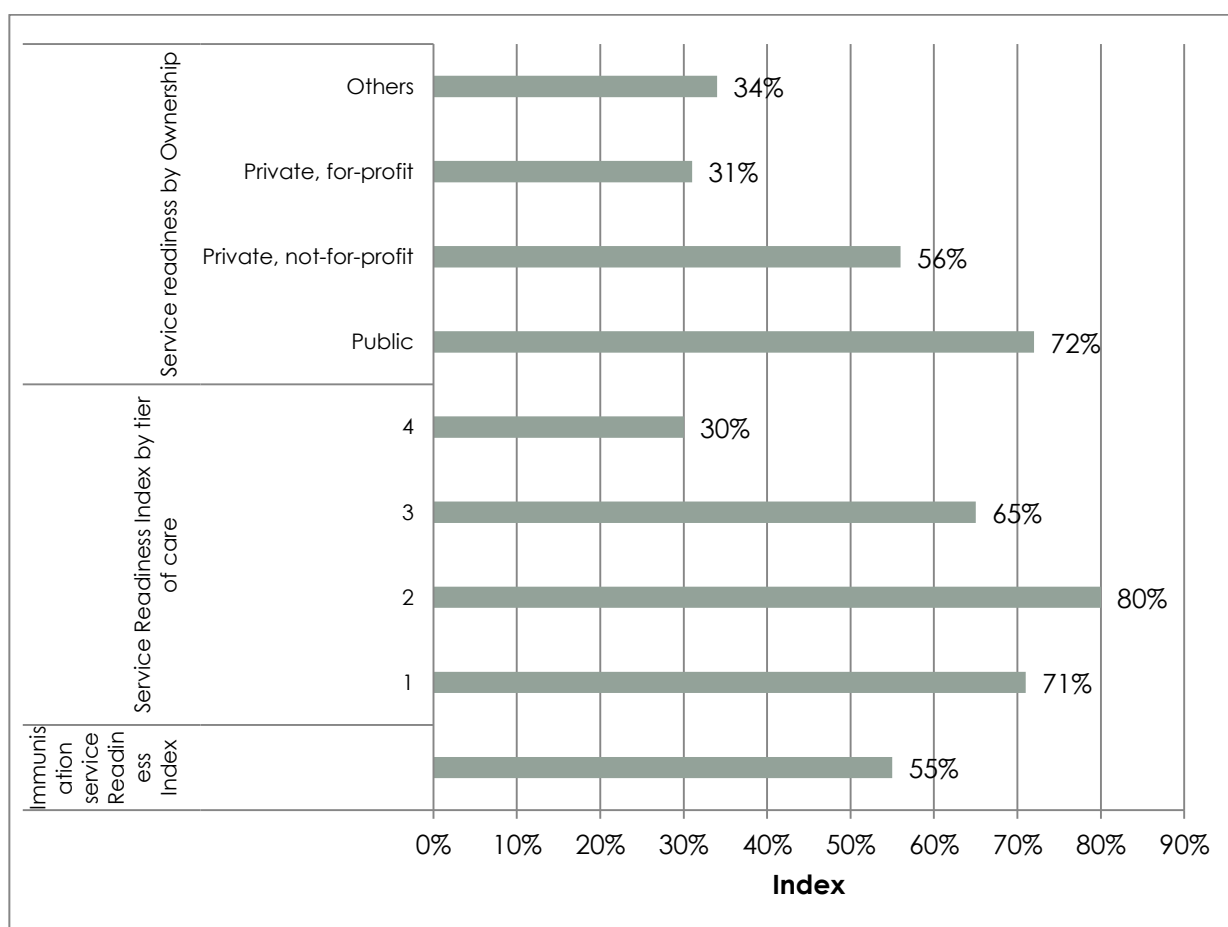
County	Number of Health facilities	Malaria service Readiness Index	Service Readiness Index by tier of care				Service readiness by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
Baringo	188	74%	100%	83%	72%	71%	16%	77%	72%	0%
Bomet	113	87%	100%	98%	86%	56%	89%	81%	89%	0%
Bungoma	149	75%	94%	78%	75%	66%	78%	77%	63%	67%
Busia	83	82%	86%	87%	84%	67%	83%	80%	81%	67%
Elgeyo-Marakwet	123	75%	100%	85%	71%	50%	76%	79%	50%	
Embu	150	77%	100%	86%	84%	61%	83%	78%	66%	
Garissa	133	79%	100%	78%	74%	80%	77%	94%	79%	100%
Homa Bay	182	80%	92%	81%	86%	53%	86%	74%	60%	50%
Isiolo	42	88%	78%	94%	88%	89%	87%	83%	100%	100%
Kajiado	226	76%	77%	82%	79%	70%	83%	67%	74%	75%
Kakamega	232	81%	100%	92%	82%	70%	86%	77%	73%	73%
Kericho	174	84%	94%	78%	88%	54%	89%	75%	71%	22%
Kiambu	352	64%	75%	80%	60%	57%	71%	60%	62%	56%
Kilifi	231	69%	94%	96%	78%	56%	83%	67%	59%	44%
Kirinyaga	142	57%	35%	76%	69%	48%	75%	57%	41%	
Kisii	141	85%	98%	87%	82%	83%	84%	86%	88%	83%
Kisumu	155	83%	92%	84%	84%	77%	84%	87%	75%	79%
Kitui	322	78%	90%	83%	77%	78%	79%	85%	77%	22%
Kwale	95	89%	100%	96%	86%	91%	89%	90%	89%	67%
Laikipia	93	75%	92%	80%	83%	47%	87%	65%	52%	42%
Lamu	43	86%	100%	92%	80%	92%	81%	93%	92%	
Machakos	299	69%	88%	87%	72%	61%	77%	65%	64%	0%
Makueni	193	78%	89%	86%	83%	58%	84%	83%	57%	67%
Mandera	69	71%	93%	74%	49%	94%	63%	67%	93%	100%
Marsabit	93	74%	100%	87%	76%	55%	78%	88%	54%	33%
Meru	405	60%	78%	79%	70%	51%	74%	74%	51%	25%
Migori	174	69%	90%	68%	64%	74%	65%	65%	89%	100%
Mombasa	373	50%	79%	87%	71%	46%	73%	63%	49%	38%
Muranga	184	66%	80%	61%	71%	63%	70%	68%	69%	33%
Nairobi	876	48%	54%	73%	65%	42%	55%	63%	44%	56%
Nakuru	328	60%	90%	81%	76%	64%	79%	66%	72%	60%
Nandi	190	51%	100%	90%	62%	58%	70%	48%	71%	42%
Narok	135	55%	90%	84%	82%	53%	84%	74%	70%	78%
Nyamira	114	65%	96%	85%	87%	83%	87%	85%	85%	
Nyandarua	116	64%	72%	75%	63%	49%	70%	55%	54%	
Nyeri	252	59%	48%	63%	58%	41%	63%	46%	41%	0%
Samburu	77	50%	50%	78%	81%	33%	73%	96%	33%	67%
Siaya	158	63%	88%	91%	81%	76%	86%	77%	74%	58%
Taita Taveta	81	64%	78%	73%	75%	67%	76%	83%	57%	83%
Tana River	49	53%	89%	75%	73%	33%	81%	40%	33%	
Tharaka Nithi	117	62%	86%	88%	73%	75%	77%	71%	80%	67%
Trans-Nzoia	141	43%	89%	83%	77%	64%	84%	72%	61%	33%
Turkana	142	48%	95%	85%	79%	53%	80%	79%	57%	
Uasin Gishu	170	52%	79%	78%	69%	62%	76%	61%	61%	22%
Vihiga	87	63%	79%	91%	82%	88%	83%	77%	95%	100%
Wajir	113	51%	94%	79%	75%	86%	76%	93%	93%	
West Pokot	96	44%	93%	79%	72%	73%	77%	73%	73%	0%
Kenya	8401	70%	78%	82%	75%	57%	78%	70%	59%	50%

**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

## 5.5 Readiness for provision of Immunization services

The general service readiness index for provision of immunization services is 64% - only 64% of facilities are ready to provide the KEPH-defined immunization services. Readiness is highest at the Primary Care and County hospital levels, and lowest at national referral facilities. Similarly, the public facilities are most ready to provide immunization services, as compared to other facilities.

**Figure 28: Immunization services readiness in Kenya**



**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

Immunization services readiness varied significantly across Counties, as shown in the table below.

**Table 77: Immunization services readiness, by County**

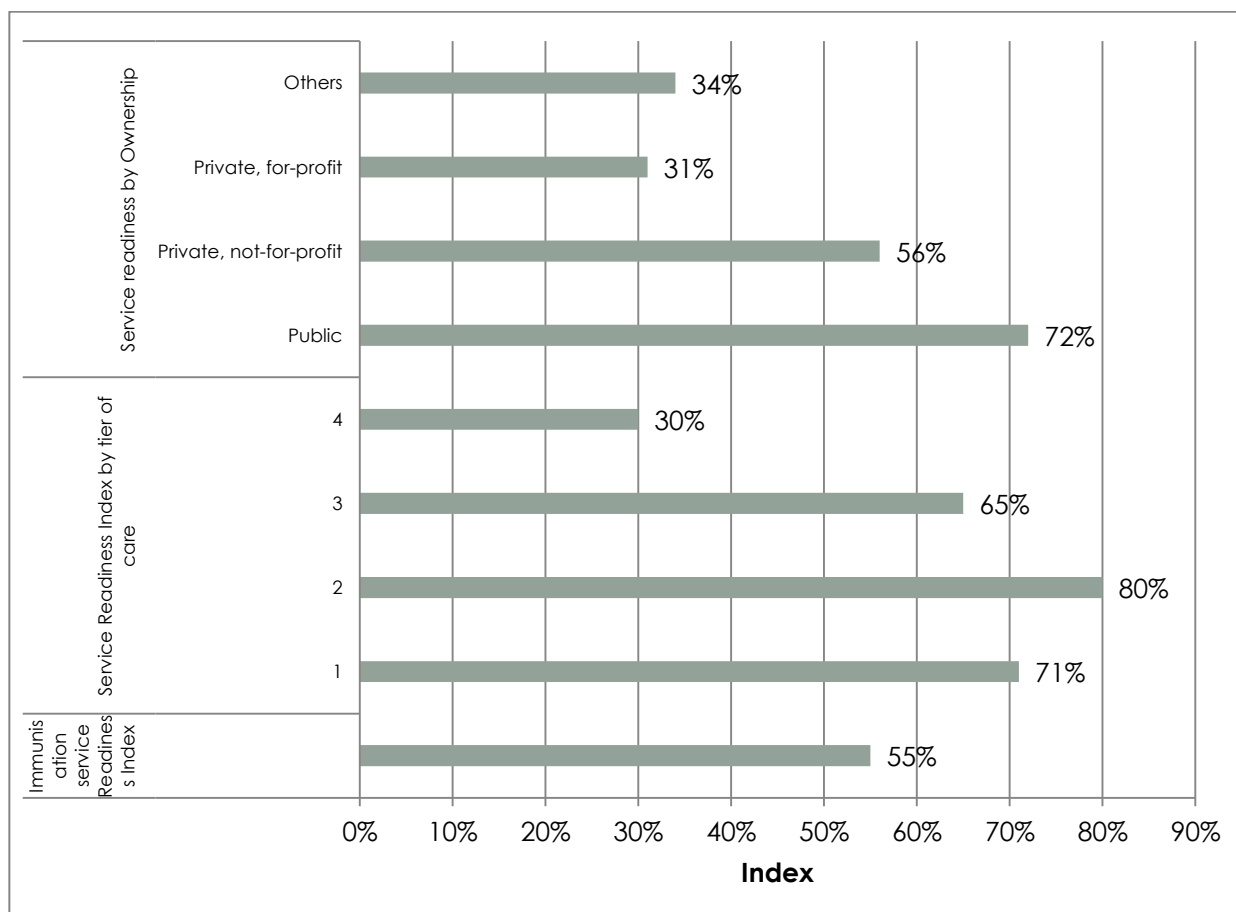
County	Number of Health facilities	Immunisation service Readiness Index	Service Readiness Index by tier of care				Service readiness by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
Baringo	169	65%	100%	100%	63%	21%	10%	58%	31%	0%
Bomet	111	92%	100%	93%	92%	67%	93%	100%	67%	0%
Bungoma	141	75%	100%	95%	84%	33%	90%	80%	33%	25%
Busia	80	83%	100%	100%	88%	33%	93%	60%	43%	100%
Elgeyo-Marakwet	116	67%	100%	95%	59%	25%	68%	69%	33%	
Embu	149	65%	88%	100%	84%	25%	89%	53%	29%	
Garissa	129	56%	100%	87%	88%	15%	90%	67%	11%	0%
Homa Bay	180	91%	100%	100%	96%	59%	99%	81%	57%	75%
Isiolo	41	95%	100%	100%	96%	83%	100%	90%	80%	100%
Kajiado	224	62%	52%	77%	80%	44%	92%	66%	38%	50%
Kakamega	229	74%	100%	97%	94%	33%	98%	73%	34%	60%
Kericho	174	92%	100%	92%	98%	44%	97%	83%	67%	67%
Kiambu	346	60%	57%	78%	70%	44%	89%	67%	43%	0%
Kilifi	199	55%	82%	93%	87%	24%	90%	78%	23%	23%
Kirinyaga	142	44%	23%	91%	77%	2%	94%	41%	2%	
Kisii	140	94%	100%	97%	97%	78%	97%	95%	76%	100%
Kisumu	154	86%	94%	97%	91%	58%	91%	78%	76%	88%
Kitui	313	70%	93%	94%	77%	21%	83%	56%	19%	0%
Kwale	95	75%	100%	89%	93%	27%	97%	40%	27%	100%
Laikipia	86	72%	100%	90%	81%	30%	91%	58%	36%	0%
Lamu	42	65%	100%	100%	78%	23%	84%	80%	23%	
Machakos	255	63%	100%	97%	81%	32%	90%	55%	34%	0%
Makueni	184	74%	100%	96%	86%	26%	91%	71%	33%	0%
Mandera	64	52%	100%	84%	33%	33%	61%	0%	33%	0%
Marsabit	89	75%	100%	87%	84%	43%	88%	79%	43%	0%
Meru	361	41%	81%	87%	61%	20%	77%	53%	20%	0%
Migori	169	80%	100%	89%	88%	49%	88%	72%	60%	0%
Mombasa	293	50%	75%	70%	69%	16%	71%	43%	20%	17%
Muranga	184	66%	80%	94%	74%	30%	91%	39%	33%	0%
Nairobi	868	48%	49%	75%	62%	28%	76%	53%	29%	54%
Nakuru	317	60%	94%	87%	79%	56%	88%	59%	62%	80%
Nandi	175	51%	100%	85%	78%	23%	80%	71%	39%	25%
Narok	129	55%	100%	100%	82%	50%	84%	82%	78%	100%
Nyamira	114	65%	100%	97%	100%	80%	100%	96%	75%	
Nyandarua	116	64%	46%	100%	82%	33%	97%	53%	30%	
Nyeri	245	59%	39%	95%	78%	20%	87%	54%	20%	0%
Samburu	71	50%	75%	83%	71%	0%	71%	75%	0%	100%
Siaya	155	63%	100%	97%	95%	50%	97%	78%	38%	75%
Taita Taveta	81	64%	100%	100%	90%	27%	95%	50%	28%	50%
Tana River	49	53%	100%	100%	88%	100%	93%	80%	75%	
Tharaka Nithi	116	62%	100%	100%	59%	14%	75%	58%	17%	0%
Trans-Nzoia	137	43%	100%	100%	84%	33%	98%	74%	22%	0%
Turkana	136	48%	100%	94%	79%	8%	78%	93%	5%	
Uasin Gishu	146	52%	69%	96%	77%	51%	84%	72%	50%	33%
Vihiga	87	63%	88%	94%	88%	49%	91%	69%	48%	50%
Wajir	110	51%	82%	93%	72%	8%	79%	60%	6%	
West Pokot	84	44%	100%	100%	69%	19%	79%	68%	19%	0%
Kenya	7995	64%	75%	91%	80%	30%	87%	65%	30%	39%

**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

## 5.6 Readiness for provision of Child health services

The general service readiness index for provision of immunization services is 55% - only 55% of facilities are ready to provide the KEPH-defined child health services. Readiness is highest at the Primary Care and Community levels, and lowest at national referral facilities. Similarly, the public facilities are most ready to provide immunization services, as compared to other facilities.

**Figure 29: Child health services readiness in Kenya**



**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

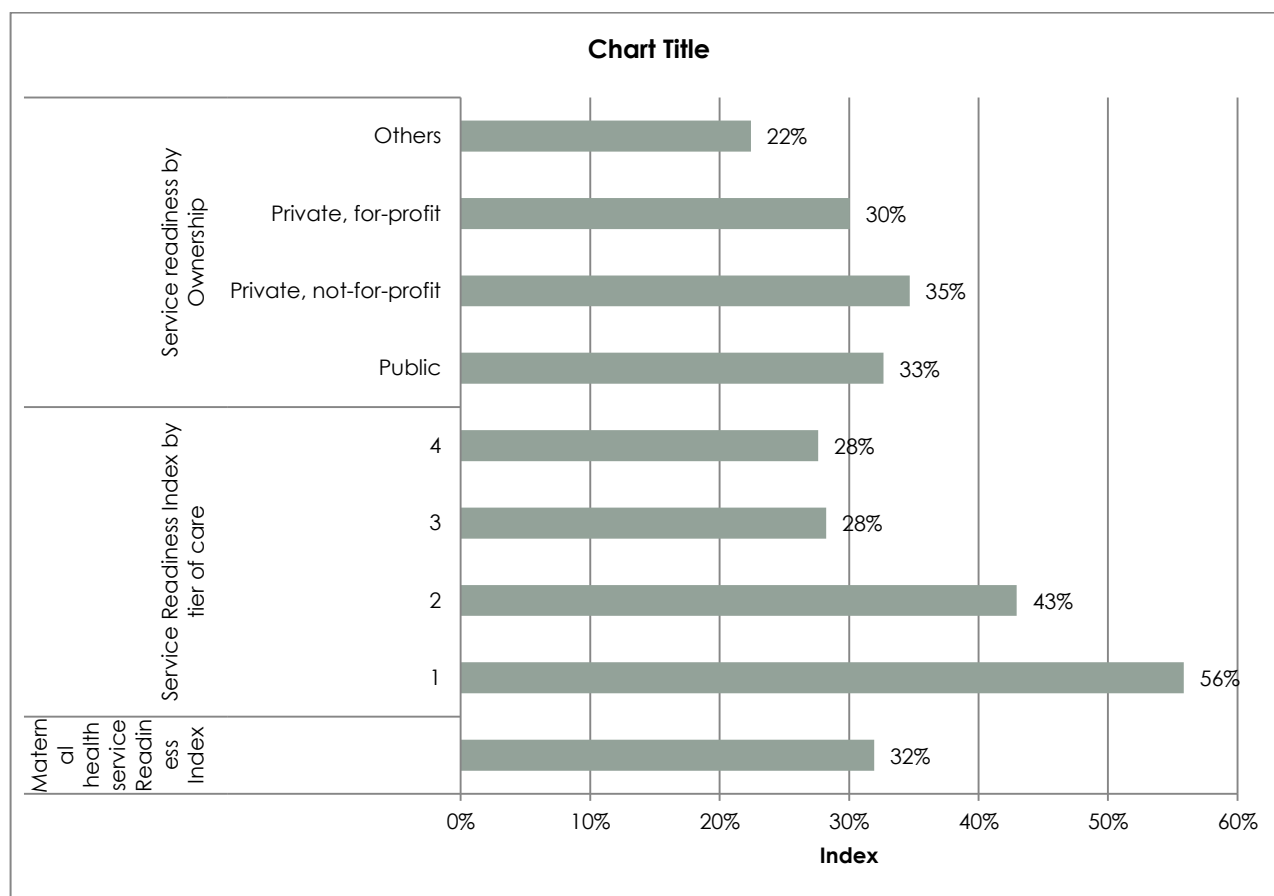
Child health services readiness varied significantly across Counties, as shown in the proceeding table.

**Table 78: Child health services readiness, by County**

County	Number of Health facilities	Child health service Readiness Index	Service Readiness Index by tier of care				Service readiness by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
Baringo	169	64%	96%	98%	61%	36%	10%	54%	40%	0%
Bomet	111	70%	100%	73%	68%	50%	70%	73%	58%	0%
Bungoma	141	67%	93%	90%	73%	32%	80%	70%	33%	25%
Busia	80	68%	100%	80%	68%	35%	75%	53%	39%	50%
Elgeyo-Marakwet	116	48%	92%	69%	40%	19%	48%	60%	29%	
Embu	149	52%	78%	92%	63%	25%	69%	43%	29%	
Garissa	129	51%	94%	77%	70%	21%	75%	67%	19%	0%
Homa Bay	180	80%	96%	87%	83%	50%	86%	77%	46%	56%
Isiolo	41	77%	92%	88%	77%	63%	83%	68%	70%	75%
Kajiado	224	57%	49%	72%	69%	43%	79%	60%	39%	50%
Kakamega	229	68%	91%	91%	78%	39%	84%	63%	42%	65%
Kericho	174	70%	93%	79%	71%	43%	74%	60%	60%	42%
Kiambu	346	55%	58%	68%	58%	45%	70%	57%	46%	25%
Kilifi	199	48%	77%	83%	76%	21%	81%	58%	20%	25%
Kirinyaga	142	41%	30%	80%	58%	16%	70%	41%	15%	
Kisii	140	78%	83%	87%	79%	60%	81%	79%	59%	75%
Kisumu	154	78%	94%	86%	77%	62%	79%	74%	77%	78%
Kitui	313	59%	88%	78%	62%	30%	67%	49%	30%	0%
Kwale	95	76%	94%	86%	89%	41%	92%	50%	43%	75%
Laikipia	86	60%	94%	83%	64%	31%	75%	47%	36%	0%
Lamu	42	58%	100%	94%	66%	23%	73%	75%	23%	
Machakos	255	51%	88%	73%	62%	30%	70%	43%	32%	0%
Makueni	184	67%	94%	84%	77%	28%	83%	57%	33%	0%
Mandera	64	53%	95%	76%	35%	42%	58%	0%	42%	25%
Marsabit	89	65%	100%	78%	69%	40%	72%	75%	40%	0%
Meru	361	33%	68%	77%	44%	17%	60%	42%	17%	6%
Migori	169	72%	92%	86%	74%	50%	78%	63%	58%	50%
Mombasa	293	50%	72%	63%	49%	16%	52%	34%	20%	17%
Muranga	184	66%	78%	84%	61%	36%	68%	55%	38%	0%
Nairobi	868	48%	46%	60%	49%	29%	58%	48%	30%	43%
Nakuru	317	60%	88%	76%	58%	42%	68%	46%	48%	63%
Nandi	175	51%	95%	78%	54%	23%	59%	53%	36%	25%
Narok	129	55%	89%	80%	62%	46%	65%	66%	69%	58%
Nyamira	114	65%	91%	87%	88%	75%	89%	85%	73%	
Nyandarua	116	64%	46%	83%	68%	40%	78%	53%	37%	
Nyeri	245	59%	41%	85%	62%	24%	71%	49%	24%	0%
Samburu	71	50%	75%	88%	65%	5%	68%	66%	5%	75%
Siaya	155	63%	94%	92%	82%	51%	86%	75%	44%	69%
Taita Taveta	81	64%	100%	84%	78%	34%	82%	50%	35%	50%
Tana River	49	53%	83%	88%	68%	63%	73%	65%	50%	
Tharaka Nithi	116	62%	89%	82%	52%	20%	62%	53%	26%	6%
Trans-Nzoia	137	43%	96%	94%	69%	30%	81%	62%	23%	0%
Turkana	136	48%	93%	81%	66%	17%	64%	82%	18%	
Uasin Gishu	146	52%	75%	78%	58%	41%	64%	59%	44%	17%
Vihiga	87	63%	78%	89%	74%	46%	80%	64%	45%	38%
Wajir	110	51%	84%	86%	63%	15%	75%	40%	13%	
West Pokot	84	44%	85%	94%	53%	13%	64%	51%	13%	0%
Kenya	7995	55%	71%	80%	65%	30%	72%	56%	31%	34%

**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

## 5.7 Readiness for provision of Maternal health services



**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

**Table 79: Maternal health services readiness, by County**

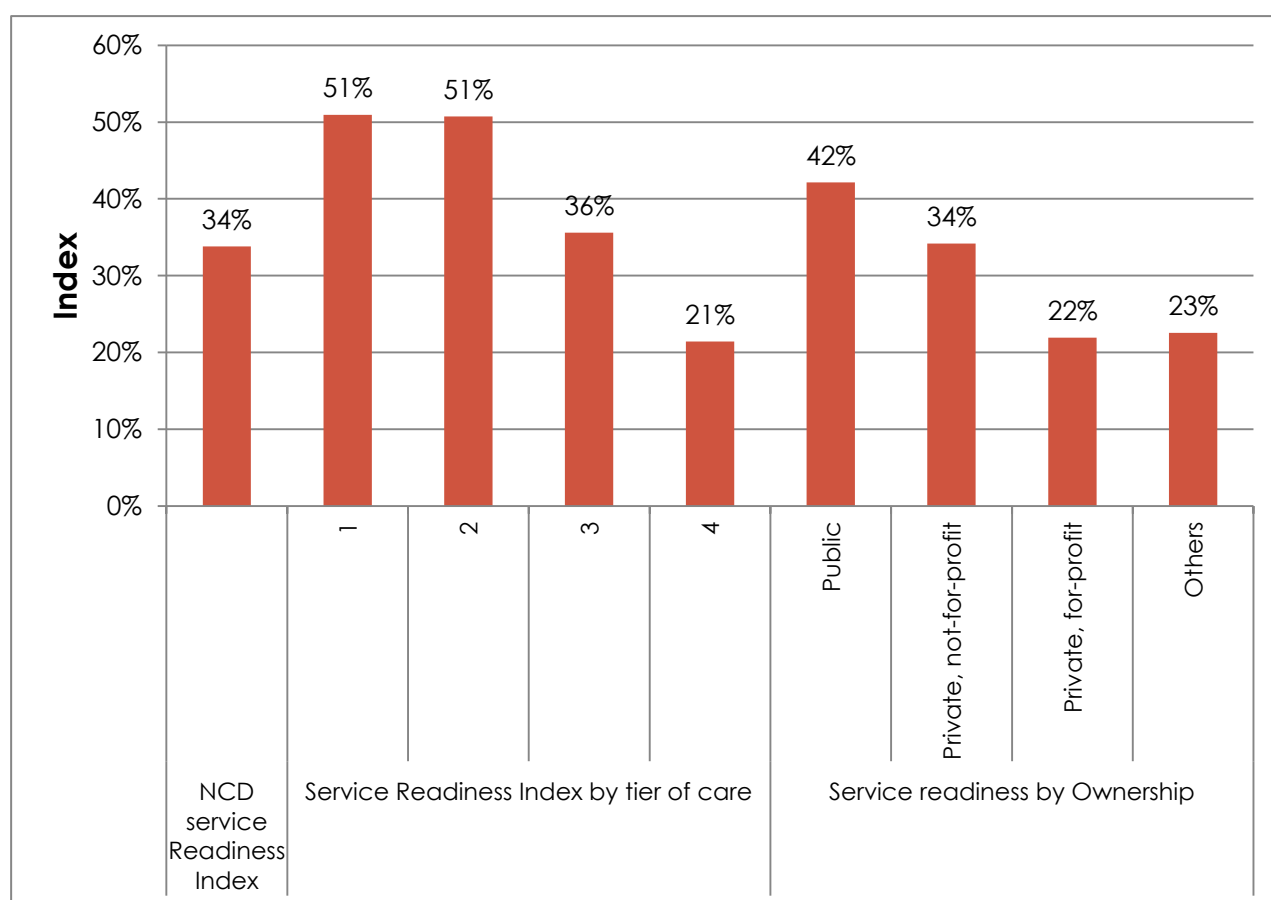
County	Number of Health facilities	Maternal service Readiness Index	Service Readiness Index by tier of care				Service readiness by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
Baringo	169	27%	60%	42%	23%	31%	6%	25%	32%	0%
Bomet	111	25%	68%	36%	22%	0%	25%	35%	7%	0%
Bungoma	141	36%	76%	50%	30%	30%	38%	40%	30%	25%
Busia	80	41%	46%	48%	40%	32%	41%	41%	43%	40%
Elgeyo-Marakwet	116	24%	56%	44%	17%	15%	23%	31%	20%	#DIV/0!
Embu	149	30%	60%	45%	32%	20%	38%	26%	20%	#DIV/0!
Garissa	129	34%	73%	48%	22%	31%	34%	60%	30%	100%
Homa Bay	180	37%	65%	43%	32%	32%	36%	41%	37%	25%
Isiolo	41	43%	73%	40%	41%	40%	46%	42%	36%	20%
Kajiado	224	33%	41%	44%	25%	34%	27%	34%	37%	45%
Kakamega	229	38%	69%	47%	34%	31%	41%	35%	35%	12%
Kericho	174	31%	84%	33%	25%	39%	28%	40%	48%	7%
Kiambu	346	40%	58%	54%	32%	37%	43%	39%	39%	47%
Kilifi	199	32%	62%	55%	35%	25%	40%	31%	27%	18%
Kirinyaga	142	23%	20%	53%	22%	20%	34%	16%	19%	#DIV/0!
Kisii	140	37%	64%	43%	27%	37%	33%	45%	51%	30%
Kisumu	154	42%	79%	46%	32%	40%	39%	45%	52%	35%
Kitui	313	28%	64%	33%	22%	34%	25%	37%	36%	7%
Kwale	95	42%	70%	58%	39%	38%	44%	34%	39%	60%
Laikipia	86	36%	70%	40%	33%	34%	34%	41%	40%	15%
Lamu	42	36%	67%	30%	35%	32%	37%	40%	32%	#DIV/0!
Machakos	255	30%	73%	41%	28%	26%	33%	29%	28%	0%
Makueni	184	34%	70%	32%	32%	32%	35%	39%	31%	0%
Mandera	64	35%	48%	29%	19%	62%	24%	0%	69%	0%
Marsabit	89	35%	75%	37%	31%	34%	32%	47%	36%	0%
Meru	361	24%	54%	41%	21%	20%	30%	27%	20%	5%
Migori	169	38%	66%	41%	31%	45%	32%	44%	56%	20%
Mombasa	293	50%	66%	39%	26%	21%	22%	31%	24%	16%
Muranga	184	66%	60%	47%	39%	40%	41%	41%	43%	20%
Nairobi	868	48%	41%	44%	24%	24%	19%	33%	28%	29%
Nakuru	317	60%	75%	36%	33%	37%	35%	32%	42%	38%
Nandi	175	51%	56%	45%	23%	23%	30%	16%	25%	5%
Narok	129	55%	60%	43%	24%	35%	26%	38%	44%	40%
Nyamira	114	65%	45%	34%	36%	36%	34%	42%	36%	
Nyandarua	116	64%	57%	55%	36%	28%	46%	32%	34%	
Nyeri	245	59%	32%	52%	28%	17%	36%	27%	19%	0%
Samburu	71	50%	40%	50%	34%	12%	32%	49%	12%	20%
Siaya	155	63%	70%	57%	32%	39%	41%	49%	34%	30%
Taita Taveta	81	64%	73%	39%	27%	34%	35%	33%	29%	10%
Tana River	49	53%	20%	35%	28%	30%	32%	12%	15%	
Tharaka Nithi	116	62%	63%	55%	29%	19%	33%	32%	27%	25%
Trans-Nzoia	137	43%	50%	47%	24%	32%	34%	35%	28%	20%
Turkana	136	48%	60%	40%	27%	23%	30%	34%	24%	
Uasin Gishu	146	52%	68%	36%	22%	29%	25%	38%	32%	33%
Vihiga	87	63%	65%	52%	42%	37%	47%	48%	41%	10%
Wajir	110	51%	55%	27%	24%	34%	26%	32%	43%	
West Pokot	84	44%	76%	45%	23%	21%	30%	27%	21%	0%
Kenya	7995	32%	56%	43%	28%	28%	33%	35%	30%	22%

**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4–Medical Clinics, Stand-Alone HTC/VCT&Others**

## 5.8 Readiness for provision of NCD services

The general service readiness index for provision of NCD services is 34% - only 34% of facilities are ready to provide the KEPH-defined NCD services. Readiness is highest at the Primary Care facilities, and lowest at national referral facilities. Similarly, the public facilities are most ready to provide NCD services, as compared to other facilities.

**Figure 30: NCD services readiness in Kenya**



**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

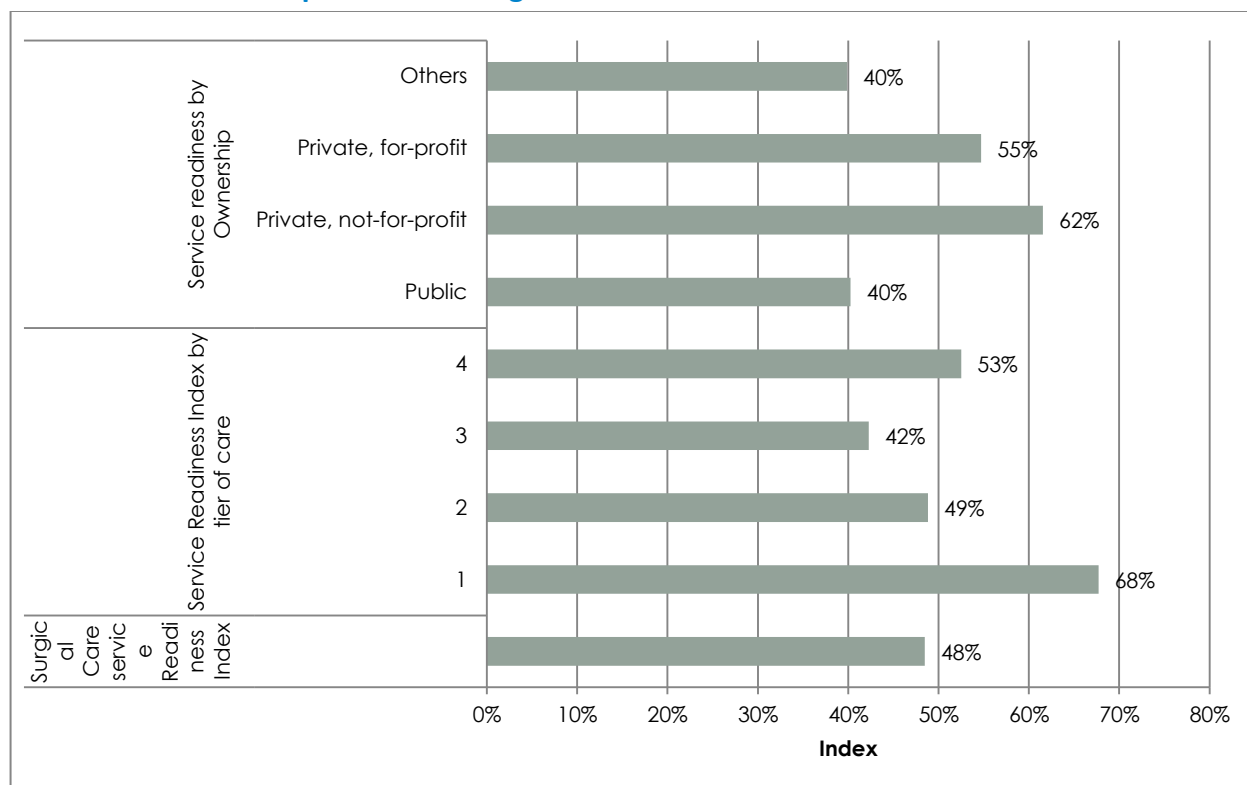
The same pattern was replicated in most of the Counties across the Country, as shown in the table below

**Table 80: NCD services readiness, by County**

County	Number of Health facilities	NCD service Readiness Index	Service Readiness Index by tier of care				Service readiness by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
Baringo	169	24%	71%	38%	19%	29%	5%	19%	33%	0%
Bomet	111	33%	93%	40%	29%	33%	33%	36%	44%	0%
Bungoma	141	53%	73%	73%	56%	23%	63%	50%	30%	17%
Busia	80	53%	81%	51%	55%	31%	58%	40%	33%	100%
Elgeyo-Marakwet	116	16%	48%	17%	13%	0%	15%	31%	0%	0%
Embu	149	28%	54%	42%	32%	16%	36%	25%	16%	0%
Garissa	129	43%	78%	62%	46%	29%	52%	56%	32%	0%
Homa Bay	180	65%	79%	75%	67%	37%	69%	64%	36%	42%
Isiolo	41	25%	56%	33%	17%	39%	31%	17%	20%	0%
Kajiado	224	28%	34%	40%	22%	25%	27%	40%	24%	8%
Kakamega	229	49%	71%	68%	55%	30%	62%	46%	31%	27%
Kericho	174	37%	76%	22%	38%	15%	39%	35%	22%	33%
Kiambu	346	38%	38%	63%	37%	31%	55%	43%	27%	22%
Kilifi	199	28%	30%	49%	38%	17%	42%	39%	14%	21%
Kirinyaga	142	22%	17%	48%	25%	14%	35%	14%	14%	0%
Kisii	140	61%	87%	74%	56%	39%	66%	52%	45%	33%
Kisumu	154	63%	78%	72%	58%	54%	62%	59%	67%	79%
Kitui	313	26%	40%	39%	26%	16%	29%	29%	14%	0%
Kwale	95	46%	75%	52%	53%	26%	54%	37%	27%	100%
Laikipia	86	35%	75%	50%	34%	22%	37%	40%	31%	0%
Lamu	42	16%	0%	0%	25%	10%	16%	33%	10%	0%
Machakos	255	27%	83%	53%	28%	15%	37%	22%	16%	0%
Makueni	184	38%	50%	50%	43%	19%	45%	45%	16%	0%
Mandera	64	18%	60%	21%	14%	11%	21%	33%	11%	0%
Marsabit	89	13%	33%	13%	12%	13%	12%	17%	13%	33%
Meru	361	16%	41%	37%	17%	10%	28%	15%	10%	25%
Migori	169	59%	85%	74%	58%	39%	64%	56%	40%	0%
Mombasa	293	50%	52%	40%	30%	17%	38%	20%	19%	12%
Muranga	184	66%	77%	69%	48%	35%	55%	42%	38%	33%
Nairobi	868	48%	37%	39%	35%	21%	43%	26%	23%	27%
Nakuru	317	60%	55%	37%	28%	22%	39%	22%	23%	17%
Nandi	175	51%	60%	38%	26%	14%	30%	20%	23%	25%
Narok	129	55%	48%	53%	31%	25%	36%	38%	26%	11%
Nyamira	114	65%	88%	68%	71%	41%	73%	65%	35%	0%
Nyandarua	116	64%	21%	53%	39%	22%	46%	27%	20%	0%
Nyeri	245	59%	34%	67%	37%	27%	49%	28%	25%	0%
Samburu	71	50%	50%	44%	29%	7%	29%	42%	7%	0%
Siaya	155	63%	88%	74%	59%	36%	66%	48%	38%	50%
Taita Taveta	81	64%	78%	25%	35%	17%	30%	61%	17%	50%
Tana River	49	53%	33%	50%	31%	50%	37%	13%	25%	0%
Tharaka Nithi	116	62%	43%	42%	13%	2%	20%	18%	3%	8%
Trans-Nzoia	137	43%	56%	64%	55%	29%	60%	38%	28%	0%
Turkana	136	48%	52%	26%	30%	15%	29%	37%	13%	0%
Uasin Gishu	146	52%	54%	39%	33%	17%	35%	34%	22%	33%
Vihiga	87	63%	46%	57%	46%	38%	52%	31%	44%	17%
Wajir	110	51%	39%	59%	29%	17%	42%	27%	15%	0%
West Pokot	84	44%	73%	42%	19%	19%	26%	24%	19%	0%
Kenya	7995	34%	51%	51%	36%	21%	42%	34%	22%	23%

**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

## 5.9 Readiness for provision of surgical services



**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

**Table 81: Surgical services readiness, by County**

County	Number of Health facilities	Surgical service Readiness Index	Service Readiness Index by tier of care				Service readiness by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
Baringo	169	39%	78%	37%	35%	57%	12%	53%	59%	0%
Bomet	111	45%	71%	44%	44%	29%	43%	60%	38%	0%
Bungoma	141	42%	71%	43%	34%	53%	36%	58%	52%	45%
Busia	80	44%	59%	49%	38%	57%	36%	66%	73%	43%
Elgeyo-Marakwet	116	40%	75%	46%	35%	46%	37%	63%	43%	
Embu	149	54%	86%	46%	53%	51%	47%	71%	52%	
Garissa	129	52%	79%	35%	28%	70%	34%	90%	69%	86%
Homa Bay	180	47%	70%	48%	43%	47%	41%	59%	53%	46%
Isiolo	41	49%	52%	43%	45%	74%	40%	60%	80%	43%
Kajiado	224	62%	76%	58%	51%	69%	47%	62%	73%	89%
Kakamega	229	42%	79%	36%	33%	50%	34%	50%	53%	34%
Kericho	174	51%	82%	35%	49%	54%	47%	65%	62%	29%
Kiambu	346	64%	71%	66%	58%	66%	48%	68%	70%	52%
Kilifi	199	48%	84%	54%	44%	47%	46%	65%	49%	33%
Kirinyaga	142	46%	32%	57%	48%	47%	46%	53%	41%	
Kisii	140	51%	75%	47%	39%	74%	44%	61%	81%	79%
Kisumu	154	55%	87%	54%	43%	68%	45%	69%	79%	46%
Kitui	313	40%	70%	34%	33%	62%	33%	63%	63%	14%
Kwale	95	54%	75%	57%	46%	69%	46%	76%	68%	71%
Laikipia	86	57%	79%	53%	57%	54%	54%	62%	66%	43%
Lamu	42	61%	81%	75%	45%	80%	47%	80%	80%	
Machakos	255	48%	73%	39%	41%	56%	38%	55%	60%	0%
Makueni	184	40%	65%	33%	35%	49%	30%	66%	47%	29%
Mandera	64	53%	63%	46%	33%	88%	37%	86%	93%	86%
Marsabit	89	41%	75%	45%	32%	53%	30%	70%	51%	57%
Meru	361	46%	63%	50%	42%	45%	41%	61%	45%	18%
Migori	169	41%	71%	45%	26%	68%	27%	60%	78%	71%
Mombasa	293	50%	74%	59%	55%	39%	52%	54%	42%	35%
Muranga	184	66%	77%	53%	48%	74%	44%	79%	68%	43%
Nairobi	868	48%	51%	64%	60%	43%	40%	68%	45%	47%
Nakuru	317	60%	86%	60%	52%	61%	51%	59%	68%	46%
Nandi	175	51%	60%	61%	34%	38%	40%	27%	45%	11%
Narok	129	55%	80%	51%	49%	55%	46%	58%	78%	62%
Nyamira	114	65%	66%	45%	45%	66%	43%	61%	67%	
Nyandarua	116	64%	84%	41%	48%	58%	40%	76%	64%	
Nyeri	245	59%	61%	46%	43%	57%	40%	64%	59%	14%
Samburu	71	50%	32%	48%	45%	32%	37%	67%	32%	29%
Siaya	155	63%	71%	58%	39%	62%	43%	71%	59%	43%
Taita Taveta	81	64%	81%	41%	36%	65%	39%	88%	56%	43%
Tana River	49	53%	48%	43%	37%	36%	42%	23%	21%	
Tharaka Nithi	116	62%	76%	52%	49%	67%	44%	60%	72%	50%
Trans-Nzoia	137	43%	67%	37%	33%	52%	35%	57%	49%	43%
Turkana	136	48%	67%	61%	45%	45%	47%	54%	46%	
Uasin Gishu	146	52%	64%	53%	44%	51%	46%	52%	52%	33%
Vihiga	87	63%	75%	48%	35%	65%	41%	60%	71%	79%
Wajir	110	51%	55%	16%	30%	74%	22%	83%	86%	
West Pokot	84	44%	63%	32%	32%	62%	31%	44%	62%	0%
Kenya	7995	48%	68%	49%	42%	53%	40%	62%	55%	40%

**KEY: 1 – Hospital; 2 – Health Centres; 3 – Dispensaries; 4 – Medical Clinics, Stand-Alone HTC/VCT & Others**

## 5.10 Health leadership readiness

The Ministry of Health and the Health sector entirely has their functions defined according to the mandates as defined by Government and the Coordination of service delivery as defined through a Sector wide approach, the Kenya Health SWAp (KHSWAp) which brings together all Health Stakeholders and managed through a partnership instrument: the Code of Conduct. The Code works through coordination mechanisms at all the management levels of the system that bring together all recognized health stakeholders to discuss and agree on sector focus. The national level has the Joint Interagency Coordinating Committee (JICC), Health Sector Coordinating Committee (HSCC), and Interagency Coordinating Committee's (ICC's). Counties and District levels have respective stakeholders' forums that are proposed in the Kenya Health Sector Strategic Plan (KHSSP) III 2012- 2017.

Governance structures and systems also exist, through boards / Health facility committees at the respective service delivery levels (Dispensaries, health centres, hospitals, and districts). A common framework for planning and implementation is in place, with decentralized sector wide annual work plans, and monitoring processes in place and applied. However, capacity gaps still exist in leadership and governance. Harmonization of health laws around an updated Health Act is not completed. Leadership and Management skills mix is still patchy, particularly at the sub national levels. Incomplete adoption of partnership processes at some levels of the sector implies some key partners are not appropriately engaged when required. Additionally, key health related sectors are not fully engaged by the Health Ministry, to allow for comprehensive addressing of the health agenda in the country.

SARAM sought to assess the health leadership in Kenya by looking at health service provision points' organizational capacity, stewardship and leadership readiness in delivering health services. Within each of these areas of leadership, specific variables were assessed across the facilities, to provide a picture of the status in each facility.

This section, therefore, presents the information based on these four dimensions of leadership:

- Service delivery organization readiness: How well the services are able to organize delivery of health services
- Health stewardship readiness: The management capacities that exist to steward the implementation of the health agenda in the Country
- Health partnership readiness: The capacity that exists to harness the role and input of different health actors at all levels
- Health governance readiness: The capacity to take advantage of the legal and regulatory framework, to improve on the provision of services

This section presents the key findings under each of these topics.

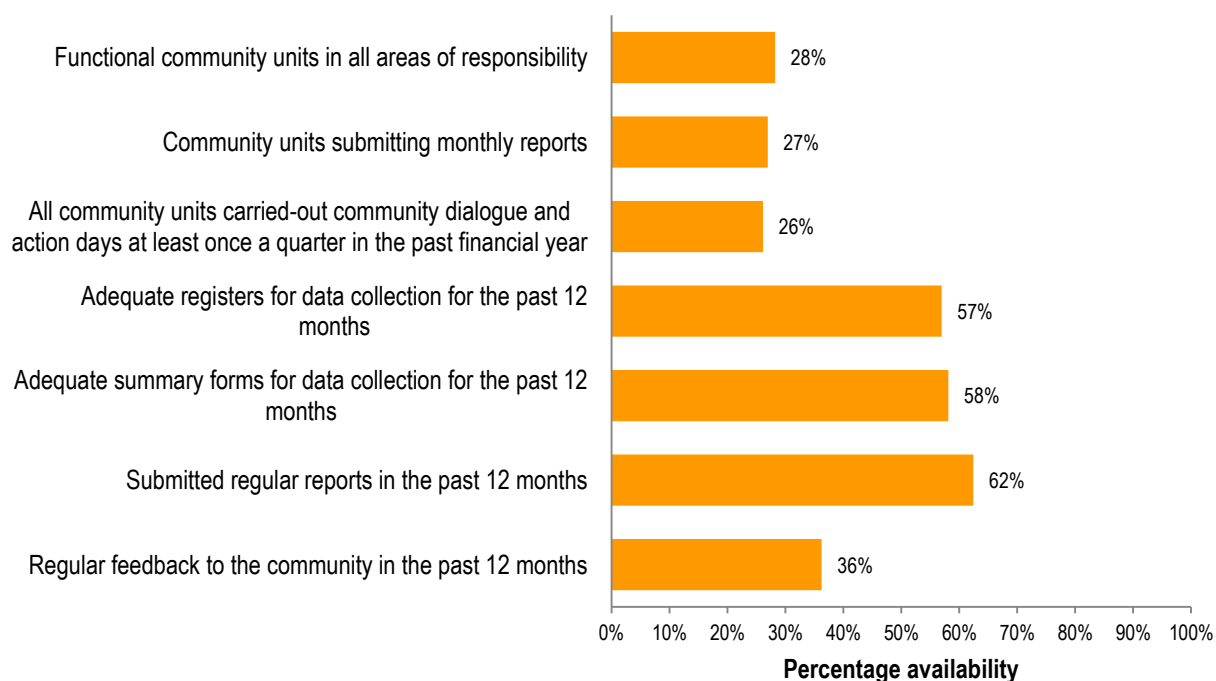
### 5.10.1 Service delivery organization readiness

Health service delivery takes place in community units at the lowest level through dispensaries and health centers through hospitals. Reporting is necessary to help monitor progress and evaluate coverage. Registers, summary and reporting tools are needed to capture data and report information in standard formats. Community units are an extension of facilities. They offer preventive health services and therefore need to report their performance to the community and to national level through the link facility. Functional units are those that hold dialog and action days, must have trained CHEWs, and trained CHC. The functional community units in the country were covering 28% and 27% of the units submit their monthly reports. The service readiness considered the following;

- Adequate registers for data collection for the past 12 months which was 57%
- Adequate summary forms for data collection for the past 12 months available in 58% of the units
- Submitted regular reports in the past 12 months constituted 62%
- Regular feedback to the community in the past 12 months was only 36% while 26% dialoged and had action days.

The readiness was assessed in the areas detailed in figure overleaf: in terms of service organisation, Public health facilities were more advantaged and had better readiness capacity. Much readiness was seen in primary care facilities Health centres in a modesty unlike the hospitals and clinics.

**Figure 31: Organization of service delivery readiness (N=7396)**



The pattern, by County, is shown overleaf.

**Table 82: Organization of service delivery readiness, by County**

County	Total number of facilities	Mean readiness	Service readiness by different variables						
			Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
Baringo	169	36%	19%	19%	19%	59%	61%	56%	19%
Bomet	111	54%	31%	23%	25%	81%	74%	92%	50%
Bungoma	141	59%	53%	54%	48%	67%	68%	73%	48%
Busia	80	74%	75%	73%	66%	77%	78%	89%	58%
Elgeyo-Marakwet	116	41%	14%	20%	20%	64%	72%	76%	18%
Embu	149	42%	22%	19%	21%	62%	68%	69%	33%
Garissa	129	32%	17%	14%	8%	53%	52%	50%	28%
Homa Bay	180	75%	75%	72%	66%	80%	74%	83%	77%
Isiolo	41	60%	43%	36%	29%	79%	93%	90%	48%
Kajiado	224	37%	24%	20%	22%	52%	53%	54%	33%
Kakamega	229	56%	42%	44%	45%	71%	69%	74%	46%
Kericho	174	43%	19%	14%	22%	67%	63%	76%	40%
Kiambu	346	37%	22%	21%	20%	53%	55%	61%	29%
Kilifi	199	41%	23%	25%	20%	55%	61%	68%	34%
Kirinyaga	142	37%	27%	28%	27%	46%	51%	54%	29%
Kisii	140	58%	46%	46%	43%	66%	69%	77%	56%
Kisumu	154	72%	71%	65%	61%	74%	77%	84%	71%
Kitui	313	43%	25%	21%	20%	60%	62%	72%	43%
Kwale	95	61%	44%	44%	39%	79%	85%	87%	51%
Laikipia	86	38%	17%	13%	15%	63%	61%	70%	28%
Lamu	42	48%	37%	23%	21%	72%	67%	72%	47%
Machakos	255	39%	17%	16%	17%	61%	63%	65%	32%
Makueni	184	52%	38%	33%	30%	65%	67%	81%	52%
Mandera	64	21%	6%	6%	7%	30%	39%	39%	19%
Marsabit	89	31%	11%	11%	4%	51%	58%	60%	24%
Meru	361	26%	10%	9%	9%	45%	44%	46%	20%
Migori	169	59%	48%	48%	48%	67%	70%	71%	59%
Mombasa	293	26%	12%	12%	13%	43%	44%	40%	18%
Muranga	184	48%	37%	0%	34%	71%	72%	76%	46%
Nairobi	868	22%	15%	16%	16%	29%	29%	31%	19%
Nakuru	317	45%	27%	29%	28%	64%	61%	71%	36%
Nandi	175	38%	18%	16%	19%	56%	59%	64%	36%
Narok	129	49%	32%	29%	33%	65%	67%	74%	41%
Nyamira	114	67%	54%	56%	58%	76%	75%	82%	68%
Nyandarua	116	47%	39%	37%	33%	57%	58%	63%	41%
Nyeri	245	32%	16%	19%	15%	48%	50%	52%	25%
Samburu	71	31%	6%	6%	8%	53%	52%	62%	29%
Siaya	155	73%	75%	70%	71%	73%	70%	82%	70%
Taita Taveta	81	52%	33%	35%	33%	70%	73%	70%	47%
Tana River	49	55%	29%	37%	31%	78%	76%	78%	59%
Tharaka Nithi	116	34%	19%	22%	15%	55%	55%	56%	15%
Trans-Nzoia	137	38%	28%	25%	26%	52%	54%	52%	32%
Turkana	136	41%	32%	23%	15%	51%	52%	67%	44%
Uasin Gishu	146	48%	38%	32%	32%	62%	66%	66%	40%
Vihiga	87	60%	37%	41%	44%	79%	82%	85%	54%
Wajir	110	40%	26%	24%	27%	57%	59%	58%	31%
West Pokot	84	42%	36%	20%	20%	54%	59%	67%	36%
Facility type									
Hospital	607	48%	36%	35%	35%	64%	63%	67%	39%
Health centre	1064	64%	53%	51%	49%	77%	78%	84%	57%
Dispensary	3676	51%	35%	33%	32%	68%	69%	75%	46%
Medical clinic/Stand-alone VCT	2346	19%	7%	7%	7%	32%	33%	34%	14%
Maternity/Nursing home	301	35%	17%	18%	18%	53%	55%	57%	27%
Managing authority									
Public	3978	58%	45%	42%	41%	73%	75%	81%	52%
Private, not-for-profit	1327	43%	24%	23%	24%	62%	63%	67%	37%
Private, for-profit	2538	19%	6%	7%	6%	32%	32%	34%	13%
Others	152	26%	16%	15%	16%	35%	38%	40%	24%
Urban/Rural									
Urban	2450	27%	15%	16%	15%	40%	41%	42%	21%
Rural	4946	50%	35%	33%	32%	66%	67%	73%	44%
Kenya	7396	42%	28%	27%	26%	57%	58%	62%	36%

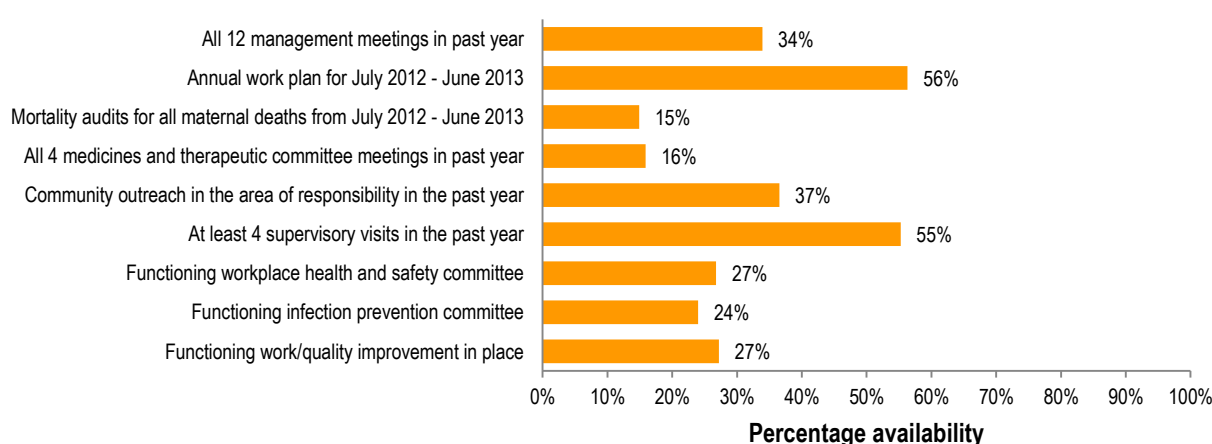
### 5.10.2 Health stewardship readiness

Stewardship relates to the management function of the Government, through the Ministry of Health and is built around implementation of the mandate of the Ministry responsible for health. This requires strong government stewardship for proper regulation and multi-sector collaboration; to optimize strategic actions and investments by all actors towards stated health goals and targets; while ensuring that public health considerations are addressed in all aspects including Health products and technologies.

Hospitals and health centres had higher health stewardship readiness compared to dispensaries, nursing homes and clinics. Public health facilities had good stewardship readiness followed by private not-for-profit but was poorly stated in private for-profit health facilities. This was more pronounced in rural areas than in urban health facilities. Specifically, status against key stewardship variables is as follows:

- **All 12 management meetings in past year:** Nationally, only 34% of the facility/community units' management teams had all the 12 meeting in the year July 2012 to June 2013.
- **Annual work plan for July 2012 -June 2013:** The SARAM exercise indicates that 56% of the facilities confirmed having these important performance monitoring documents. This is depicted in the figure 44 below. Thus, the figure 44 indicates that 44% of the facilities operate without performance benchmarks, monitoring of progress and evaluation of effectiveness of the interventions within the year. It is therefore impossible to track interventions in a consistent manner.
- **Mortality audits for all maternal deaths from July 2012 - June 2013:** Only 15% of all the facilities in the country carried out mortality audits for all maternal deaths that occurred.
- **All 4 medicines and therapeutic committee (MTC) meetings in past year:** A paltry 16% of the facilities held all the four (quarterly) MTC meetings- an indication of weak health stewardship.
- **Community outreach in the area of responsibility in the past year:** It was determined that 37% of facilities carried out disease prevention and health promotion activities in their areas of responsibility.
- **At least 4 supervisory visits in the past year:** 55% of the facilities received supportive supervision from higher levels.
- **Functioning workplace health and safety committee, infection prevention, and work quality improvement committee:** 27% of the facilities in the country had functional safety committees while 24% had functional infection prevention committees. Facilities that had functional work quality improvement team were at 27%. On average the facilities with functional committees in the country was below 30 %.

**Figure 32: Percentage of facilities with health stewardship capacity (N=7396)**



The trends in Counties are shown in the table overleaf.

**Table 83: Health stewardship readiness, by County**

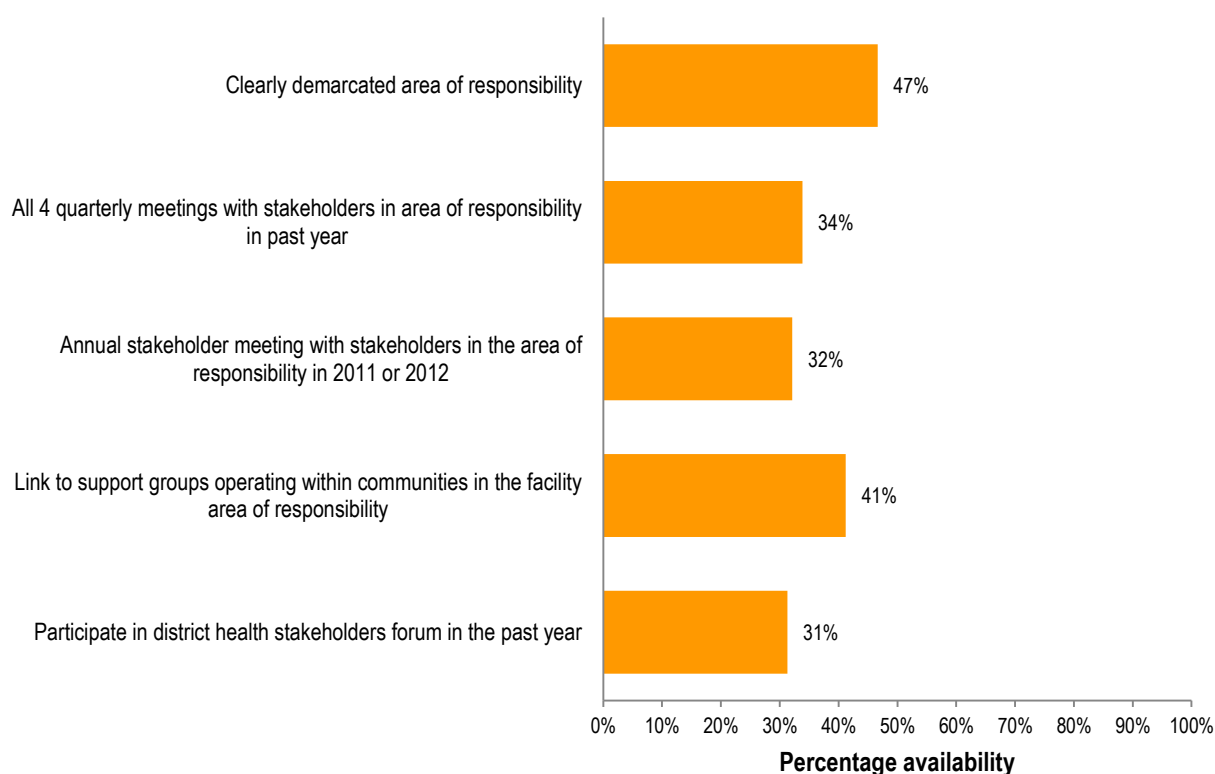
County	Total number of facilities	Mean readiness	Service readiness by different variables								
			All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
Baringo	169	28%	30%	68%	11%	14%	30%	39%	26%	19%	19%
Bomet	111	45%	50%	91%	18%	24%	33%	82%	39%	29%	36%
Bungoma	141	38%	42%	66%	15%	17%	56%	71%	22%	26%	30%
Busia	80	39%	40%	80%	14%	17%	71%	76%	23%	16%	18%
Elgeyo-Marakwet	116	33%	42%	76%	7%	15%	20%	66%	31%	18%	23%
Embu	149	27%	27%	63%	11%	12%	21%	58%	19%	11%	19%
Garissa	129	28%	35%	53%	10%	9%	41%	52%	20%	14%	20%
Homa Bay	180	60%	64%	80%	33%	42%	75%	82%	54%	57%	55%
Isiolo	41	35%	29%	74%	17%	17%	57%	83%	14%	12%	10%
Kajiado	224	30%	28%	46%	15%	11%	40%	44%	27%	27%	31%
Kakamega	229	39%	36%	70%	19%	19%	55%	72%	25%	24%	31%
Kericho	174	38%	43%	76%	21%	21%	36%	56%	36%	26%	29%
Kiambu	346	27%	26%	42%	16%	14%	19%	49%	25%	24%	29%
Kilifi	199	32%	33%	48%	14%	15%	43%	56%	26%	31%	26%
Kirinyaga	142	26%	25%	48%	8%	18%	23%	42%	21%	21%	25%
Kisii	140	60%	62%	86%	31%	35%	72%	87%	51%	65%	51%
Kisumu	154	61%	55%	78%	33%	38%	72%	82%	64%	63%	65%
Kitui	313	36%	46%	70%	14%	19%	33%	67%	31%	21%	26%
Kwale	95	45%	45%	75%	18%	21%	73%	78%	25%	32%	38%
Laikipia	86	32%	32%	70%	8%	12%	45%	67%	22%	20%	16%
Lamu	42	38%	28%	60%	19%	7%	51%	74%	23%	49%	35%
Machakos	255	28%	26%	61%	11%	13%	22%	57%	26%	18%	22%
Makueni	184	43%	39%	73%	20%	20%	55%	75%	36%	25%	40%
Mandera	64	21%	29%	42%	6%	3%	39%	46%	9%	4%	14%
Marsabit	89	28%	34%	57%	12%	6%	43%	59%	15%	10%	12%
Meru	361	17%	17%	36%	8%	7%	11%	35%	14%	11%	13%
Migori	169	58%	64%	78%	39%	35%	71%	77%	53%	50%	57%
Mombasa	293	15%	14%	18%	8%	10%	13%	29%	14%	15%	15%
Muranga	184	24%	30%	0%	9%	13%	22%	68%	26%	22%	29%
Nairobi	868	21%	22%	29%	12%	12%	20%	29%	19%	20%	23%
Nakuru	317	30%	29%	58%	12%	13%	37%	43%	28%	21%	27%
Nandi	175	35%	43%	59%	12%	17%	33%	57%	33%	25%	34%
Narok	129	39%	39%	72%	27%	18%	44%	57%	34%	27%	33%
Nyamira	114	58%	64%	87%	39%	36%	72%	86%	51%	43%	46%
Nyandarua	116	34%	35%	57%	16%	16%	37%	56%	30%	29%	33%
Nyeri	245	19%	23%	40%	6%	8%	13%	42%	11%	12%	15%
Samburu	71	30%	36%	62%	4%	13%	42%	52%	27%	8%	22%
Siaya	155	59%	69%	84%	35%	31%	78%	87%	45%	53%	50%
Taita Taveta	81	30%	28%	73%	11%	15%	42%	57%	20%	14%	12%
Tana River	49	41%	61%	86%	8%	8%	73%	67%	29%	20%	14%
Tharaka Nithi	116	25%	23%	50%	13%	9%	16%	64%	19%	15%	12%
Trans-Nzoia	137	25%	22%	47%	7%	10%	36%	44%	13%	20%	23%
Turkana	136	37%	35%	54%	18%	21%	47%	65%	36%	27%	28%
Uasin Gishu	146	34%	38%	62%	15%	12%	39%	55%	31%	22%	32%
Vihiga	87	35%	32%	70%	11%	13%	49%	79%	21%	21%	22%
Wajir	110	26%	31%	56%	5%	4%	51%	58%	12%	7%	10%
West Pokot	84	26%	31%	49%	11%	10%	36%	50%	18%	11%	14%
Facility type											
Hospital	607	50%	54%	65%	44%	35%	47%	61%	42%	53%	53%
Health centre	1064	49%	52%	81%	25%	23%	63%	79%	38%	38%	40%
Dispensary	3676	38%	40%	73%	13%	17%	45%	68%	31%	24%	28%
Medical clinic/ Stand-alone VCT	2346	13%	12%	21%	5%	6%	12%	26%	12%	11%	13%
Maternity/Nursing home	301	34%	35%	44%	30%	21%	25%	50%	31%	33%	38%
Managing authority											
Public	3978	43%	48%	81%	19%	21%	53%	74%	33%	30%	32%
Private, not-for-profit	1327	37%	36%	56%	18%	18%	42%	59%	36%	31%	37%
Private, for-profit	2538	14%	12%	20%	8%	7%	10%	27%	13%	12%	15%
Others	152	20%	21%	32%	5%	8%	24%	31%	21%	18%	19%
Urban/Rural											
Urban	2450	23%	24%	34%	13%	14%	21%	36%	22%	22%	25%
Rural	4946	37%	39%	68%	16%	17%	44%	65%	29%	25%	29%
Kenya	7396	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### 5.10.3 Health partnership readiness

Health partnership relates to the inter-relations and coordination of different actors working towards the same health goals, and is built around the adherence to the sector partnership Code of Conduct. Health partnerships efforts were below 50% country-wide. For partnerships to thrive there needs to be clarity of the geographical region demarcated for the facility to provide the service (service area of responsibility). SARAM sought to find out the proportion of facilities that have a clearly demarcated area of responsibility and found out that 47% of the facilities had areas in which they planned and provided disease prevention and health promotion activities.

The provision of quality healthcare services calls for partnerships and management of stakeholders. Facilities are expected to hold quarterly meetings. In total four meetings are expected in a year. The proportion of facilities that held all 4 quarterly meetings with stakeholders in area of responsibility in past year was 34%. As planning units facilities, with all the stakeholders are required to review the previous year's performance report and preview the annual plan for the coming year. It was noted that in the country 32% of the facilities held their annual stakeholder meetings for the period 2011-2012. The link to the support groups operating within communities in the facility area of responsibility was 41%, while the proportion of the facilities participating in the stakeholder's forum was at 31% in the past year.

**Figure 33: Percentage of facilities with health partnership capacity (N=7396)**



The pattern, by County, is shown in table overleaf.

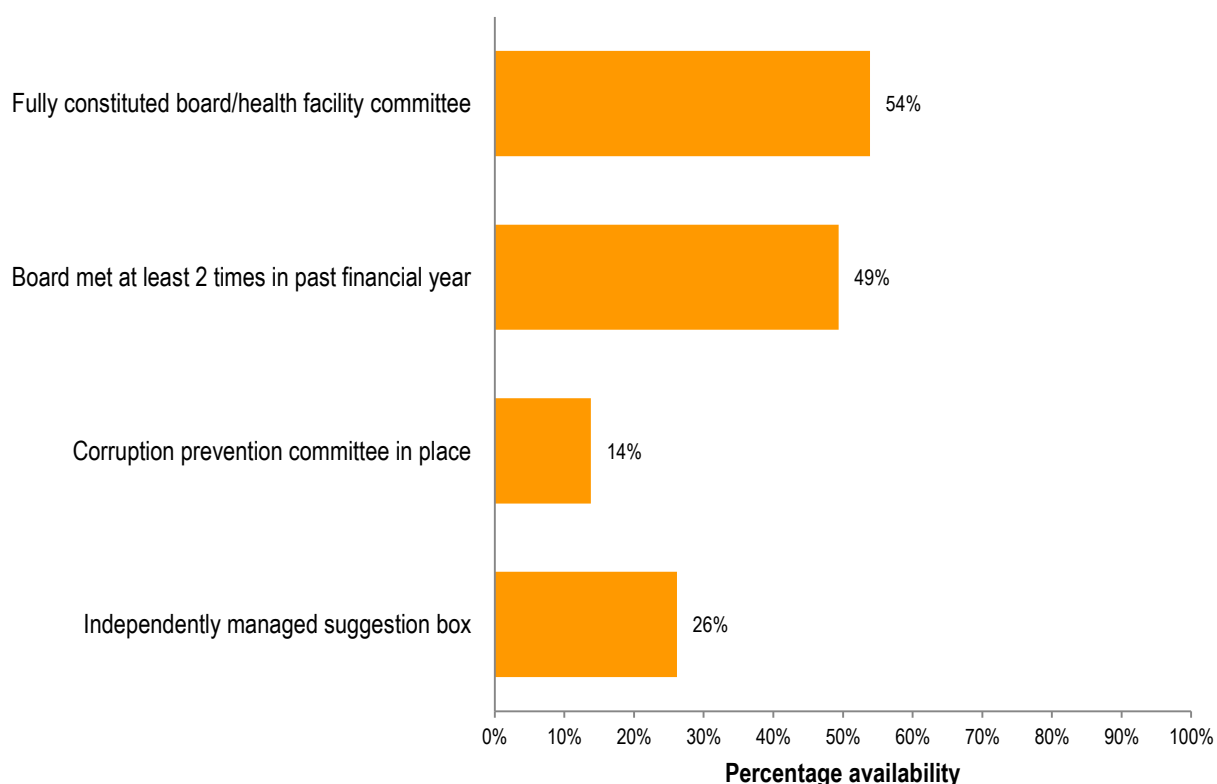
**Table 84: Health partnership readiness, by County**

County	Total number of facilities	Mean readiness	Service readiness by different variables					
			Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/ working
Baringo	169	33%	57%	33%	26%	40%	15%	26%
Bomet	111	57%	80%	51%	49%	58%	36%	70%
Bungoma	141	53%	68%	45%	37%	57%	44%	64%
Busia	80	61%	73%	43%	45%	57%	66%	80%
Elgeyo-Marakwet	116	36%	46%	33%	44%	33%	36%	24%
Embu	149	29%	37%	31%	27%	37%	21%	23%
Garissa	129	30%	41%	29%	24%	36%	23%	25%
Homa Bay	180	69%	73%	64%	64%	76%	64%	74%
Isiolo	41	37%	43%	21%	26%	48%	31%	50%
Kajiado	224	30%	38%	24%	23%	36%	24%	34%
Kakamega	229	52%	63%	40%	37%	57%	50%	63%
Kericho	174	45%	62%	47%	46%	47%	24%	41%
Kiambu	346	26%	33%	26%	25%	30%	17%	27%
Kilifi	199	34%	42%	29%	27%	41%	24%	41%
Kirinyaga	142	29%	33%	29%	29%	35%	20%	30%
Kisii	140	69%	72%	72%	60%	72%	65%	70%
Kisumu	154	74%	79%	67%	71%	80%	68%	77%
Kitui	313	39%	48%	41%	30%	47%	26%	40%
Kwale	95	49%	62%	37%	37%	60%	31%	65%
Laikipia	86	36%	55%	26%	22%	45%	25%	40%
Lamu	42	34%	65%	23%	23%	33%	19%	42%
Machakos	255	32%	37%	29%	32%	37%	33%	22%
Makueni	184	50%	61%	53%	46%	54%	47%	38%
Mandera	64	23%	39%	16%	17%	23%	23%	20%
Marsabit	89	32%	47%	24%	29%	31%	27%	34%
Meru	361	21%	28%	16%	19%	26%	18%	21%
Migori	169	69%	70%	66%	66%	71%	73%	65%
Mombasa	293	15%	17%	13%	13%	16%	16%	17%
Muranga	184	30%	36%	0%	33%	38%	25%	48%
Nairobi	868	22%	26%	22%	20%	22%	23%	21%
Nakuru	317	37%	49%	32%	31%	41%	32%	35%
Nandi	175	38%	44%	32%	34%	41%	29%	46%
Narok	129	48%	67%	41%	43%	49%	45%	41%
Nyamira	114	69%	69%	69%	69%	66%	75%	63%
Nyandarua	116	36%	48%	44%	35%	37%	26%	25%
Nyeri	245	19%	25%	20%	13%	24%	9%	25%
Samburu	71	36%	51%	26%	17%	58%	22%	40%
Siaya	155	72%	73%	66%	64%	83%	66%	80%
Taita Taveta	81	44%	52%	41%	35%	54%	32%	48%
Tana River	49	37%	63%	14%	12%	71%	24%	39%
Tharaka Nithi	116	22%	37%	23%	17%	25%	15%	17%
Trans-Nzoia	137	28%	48%	20%	21%	33%	21%	26%
Turkana	136	44%	56%	36%	34%	44%	36%	56%
Uasin Gishu	146	43%	61%	44%	42%	44%	40%	24%
Vihiga	87	57%	71%	44%	45%	55%	48%	78%
Wajir	110	29%	60%	19%	16%	37%	14%	30%
West Pokot	84	34%	49%	22%	31%	34%	26%	42%
Facility type								
Hospital	607	50%	57%	43%	45%	54%	48%	53%
Health centre	1064	59%	68%	56%	52%	68%	50%	61%
Dispensary	3676	44%	57%	41%	37%	50%	34%	45%
Medical clinic/ VCT	2346	16%	21%	12%	14%	15%	16%	15%
Maternity/Nursing home	301	33%	38%	32%	31%	34%	31%	29%
Managing authority								
Public	3978	51%	64%	48%	43%	59%	40%	54%
Private, not-for-profit	1327	42%	51%	38%	40%	45%	39%	41%
Private, for-profit	2538	14%	19%	12%	12%	14%	14%	14%
Others	152	24%	28%	21%	20%	25%	22%	25%
Urban/Rural								
Urban	2450	25%	30%	22%	22%	26%	25%	24%
Rural	4946	44%	55%	40%	37%	49%	35%	45%
Kenya	7396	37%	47%	34%	32%	41%	31%	38%

#### 5.10.4 Health governance readiness

Health Governance relates to the functioning of the institutions by which the authority of the State of Kenya is exercised. These address the regulatory and legal functions that all actors in the sector have to adhere to, and are built around the sector legal and regulatory framework. Health Governance structures are: community health Committees, health facility committees, district and hospital boards/ committees. In this regard 54% of the facilities had fully constituted board/health facility committees. The facility committees and boards are expected to meet at least once in 6 months and 49% of the facilities had the boards/committee meetings held in the past year. On corruption prevention, only 14% of the health facilities had corruption prevention committees in place and 26% of the health facilities with client's feedback independently managed suggestion boxes.

**Figure 34: Percentage of facilities with health governance capacity (N=7396)**



The County pattern is shown in the table overleaf

**Table 85: Health governance readiness, by County**

County	Total number of facilities	Mean readiness	Service readiness by different variables			
			Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
Baringo	169	48%	78%	74%	11%	27%
Bomet	111	52%	91%	80%	16%	20%
Bungoma	141	43%	68%	63%	17%	23%
Busia	80	47%	77%	72%	11%	28%
Elgeyo-Marakwet	116	51%	82%	76%	13%	33%
Embu	149	42%	63%	60%	14%	30%
Garissa	129	29%	48%	45%	11%	11%
Homa Bay	180	61%	81%	78%	33%	51%
Isiolo	41	37%	76%	55%	10%	5%
Kajiado	224	28%	43%	42%	13%	13%
Kakamega	229	41%	62%	57%	10%	34%
Kericho	174	43%	72%	66%	16%	19%
Kiambu	346	28%	38%	35%	13%	26%
Kilifi	199	32%	43%	41%	10%	34%
Kirinyaga	142	32%	44%	40%	14%	30%
Kisii	140	56%	81%	74%	26%	42%
Kisumu	154	57%	78%	74%	26%	48%
Kitui	313	42%	70%	63%	15%	18%
Kwale	95	52%	71%	67%	19%	51%
Laikipia	86	43%	60%	55%	15%	42%
Lamu	42	45%	65%	53%	12%	51%
Machakos	255	34%	53%	47%	11%	24%
Makueni	184	51%	73%	65%	18%	46%
Mandera	64	28%	52%	45%	6%	9%
Marsabit	89	35%	67%	55%	8%	11%
Meru	361	22%	35%	31%	8%	12%
Migori	169	54%	72%	71%	30%	43%
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Nairobi	868	18%	21%	20%	11%	20%
Nakuru	317	33%	49%	45%	16%	23%
Nandi	175	40%	63%	57%	11%	27%
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Nyandarua	116	42%	54%	52%	22%	38%
Nyeri	245	26%	41%	39%	4%	20%
Samburu	71	45%	68%	61%	13%	38%
Siaya	155	61%	81%	74%	28%	60%
Taita Taveta	81	47%	63%	54%	15%	56%
Tana River	49	47%	80%	76%	6%	27%
Tharaka Nithi	116	34%	57%	51%	8%	20%
Trans-Nzoia	137	25%	40%	38%	9%	11%
Turkana	136	33%	56%	48%	15%	11%
Uasin Gishu	146	35%	56%	51%	15%	17%
Vihiga	87	39%	60%	59%	7%	31%
Wajir	110	30%	58%	47%	7%	9%
West Pokot	84	32%	60%	45%	15%	8%
Facility type						
Hospital	607	54%	64%	61%	37%	53%
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Dispensary	3676	46%	75%	67%	14%	27%
Medical clinic/Stand-alone VCT	2346	9%	11%	10%	5%	9%
Maternity/Nursing home	301	29%	36%	32%	16%	33%
Managing authority						
Public	3978	54%	84%	78%	18%	36%
Private, not-for-profit	1327	36%	52%	47%	17%	27%
Private, for-profit	2538	10%	11%	10%	6%	11%
Others	152	20%	28%	23%	10%	17%
Urban/Rural						
Urban	2450	21%	27%	25%	12%	21%
Rural	4946	43%	67%	62%	15%	29%
Kenya	7396	36%	54%	49%	14%	26%

## CONCLUSIONS & RECOMMENDATIONS

# 06



## 6. CONCLUSIONS & RECOMMENDATIONS

This SARAM report provides a snapshot of availability, capacity and readiness for service provision across the Country. With this information, the counties and the national governments have a clearly defined baseline for monitoring and targeting their improvements in service provision and management capacity. The data points to some clear focus and directions at all levels of care.

### 6.1 Conclusions and recommendations relating to service provision

While the sector has defined clearly an essential service package, we see there are significant gaps relating to both the spread across the country and also in the comprehensiveness within the health facility. Overall availability of the different KEPH services is still too low across the country, and by ownership. Availability of some critical and priority services is still low – such as maternity services (only 35% of facilities providing this). Non Communicable conditions are increasingly becoming a sector priority, though the services are least provided. The variation in availability of KEPH services across Counties is very wide. As a result, the gaps in availability of the KEPH services are most acute in relation to non communicable conditions, essential health services and risk factor management.

- There is an overall limitation to availability of KEPH services contributing to reversing the burden of non-communicable diseases. The public and private sector variation is seen in these services, with the public sector predominantly having much more services available compared to the private sector. To make progress in this policy objective private sector investments should be encouraged, financing mechanisms should be reevaluated to improve financial access to services at both public and private health facilities.
- Essential health services were moderately available in most health facilities. However, the spread and depth of the services should be a focus of future investments. Geographic expansion of services should be targeted while the comprehensiveness of availability of services within health facilities should pay attention to investments in auxiliary services such as blood transfusion and safety, pharmacy services, laboratory and diagnostic imaging services.
- Health promotion and education being the cornerstone to modifying exposure to health risk factors was appreciably available in most health facilities. Public sector predominance is also seen in this area. Progress in this policy objective will be realized through investments in increase on human resource numbers and skills able to expand health promotion and education services. Specific attention should be paid to improve health facility capacity of make available and integrate sex and substance abuse services into the general health promotion and education services.

It is critical for each planning unit in the country to annually monitor changes in numbers of KEPH services available if movement towards Universal Health Coverage is to be attained. This should be, not only for defined priorities (like maternity services), but also for ALL KEPH services, to ensure there is movement in the sector towards universal access to the KEPH package. It is important to identify target counties with low availability of specific KEPH services and work with these to improve on availability of services. This will improve on equity in access to KEPH across the country.

## 6.2 Conclusions and recommendations relating to service provision capacity

### 6.2.1 Physical infrastructure availability

There is geographic variation in per capita coverage of health facilities by tier. Western, Nyanza and Central Kenya regions have an acceptable coverage of health facilities. It is apparent that standardization of requirements for physical infrastructure for each tier of health facilities needs to be done to address the discrepancies designation of health facility by tier and the limitation of service availability due to inadequacy or deficiency of physical infrastructure. General outpatient and inpatient services suffer the greatest infrastructural gap to meet service needs. To make progress in this area statutory and policy frameworks supporting standards of health facility physical infrastructure should be in place. Private sector investments should be encouraged to bridge the gap in physical infrastructure and equipment in health facilities, public-private-partnership models should be considered. Health facilities should have structured expansion master plans.

### 6.2.2 Communication and transport

Streamlining of transport services in the health sector should be viewed in two perspectives. One is for routine administrative functions and the other is for operations and ambulance services. The survey results indicate that both aspects of transport functions in health are poorly resourced and structured. Investments to improve transport services needs to focus both on procurement of new vehicles and on improving servicing and maintenance of the fleet. There is need for investment in an ambulance system functional at national, county and inter-county levels. Efficiency and accountability should be built in by investment in a fleet tracking system and central command centers for coordination. Statutory and policy frameworks are required to align coordination across agencies and sectors, including roads & transport, internal security, housing and urban development etc.

### 6.2.3 Human resources for health

The numbers and skill mix of human resources for health is generally not available across all cadres and areas of service specialization. Human resource management is still very manual and thus several HRM domains such as staff appraisal and promotion, tracking of training and placement e.t.c suffer inefficiency. The health sector needs to invest in three things: Strategic recruitment of human resources for health, training and skill upgrade of existing staff and adoption of a robust human resource management information system.

### 6.2.4 Health products

Health products for primary care services were generally available in most health facilities. It is of concern though those products for NCD, maternal health services and pediatric essential medicines were generally not available. The investments in this area should pay attention to streamline quantification of the health products as per the disease burden at the health facility level, Introduce/implement a responsive and robust supply chain system, decentralization of services to the lowest levels to increase coverage and access and adoption of a robust logistic supplies information management system.

### 6.3 Conclusions and recommendations relating to service readiness

For the first time, the readiness to provide services has been assessed in the country. This is a crucial element in ensuring adequate access to services, and therefore utilization as it ensures available investments are actually able to provide the expected services. In many instances, investments are made, but because of inadequate readiness of the facilities, then no services are provided. For example, a facility may have the staff, infrastructure and commodities for running immunization services, but the vaccines are expired / poorly stored that they are not potent, or staff may not have appropriate skills. Such a facility is not 'ready' for immunization services provision.

The SARAM exercise looked at three elements of service readiness

- General Service Readiness of facilities – the overall readiness to provide all Health Services they are expected to provide, based on availability of basic amenities, basic equipment, standard precautions and essential medicines;
- specific service readiness focusing on readiness to provide HIV, TB, Malaria, Immunization, Child Health, maternal health, NCD's and surgical services; and
- Health leadership readiness, focusing on the availability of critical capacity and actions needed for stewardship of the health agenda.

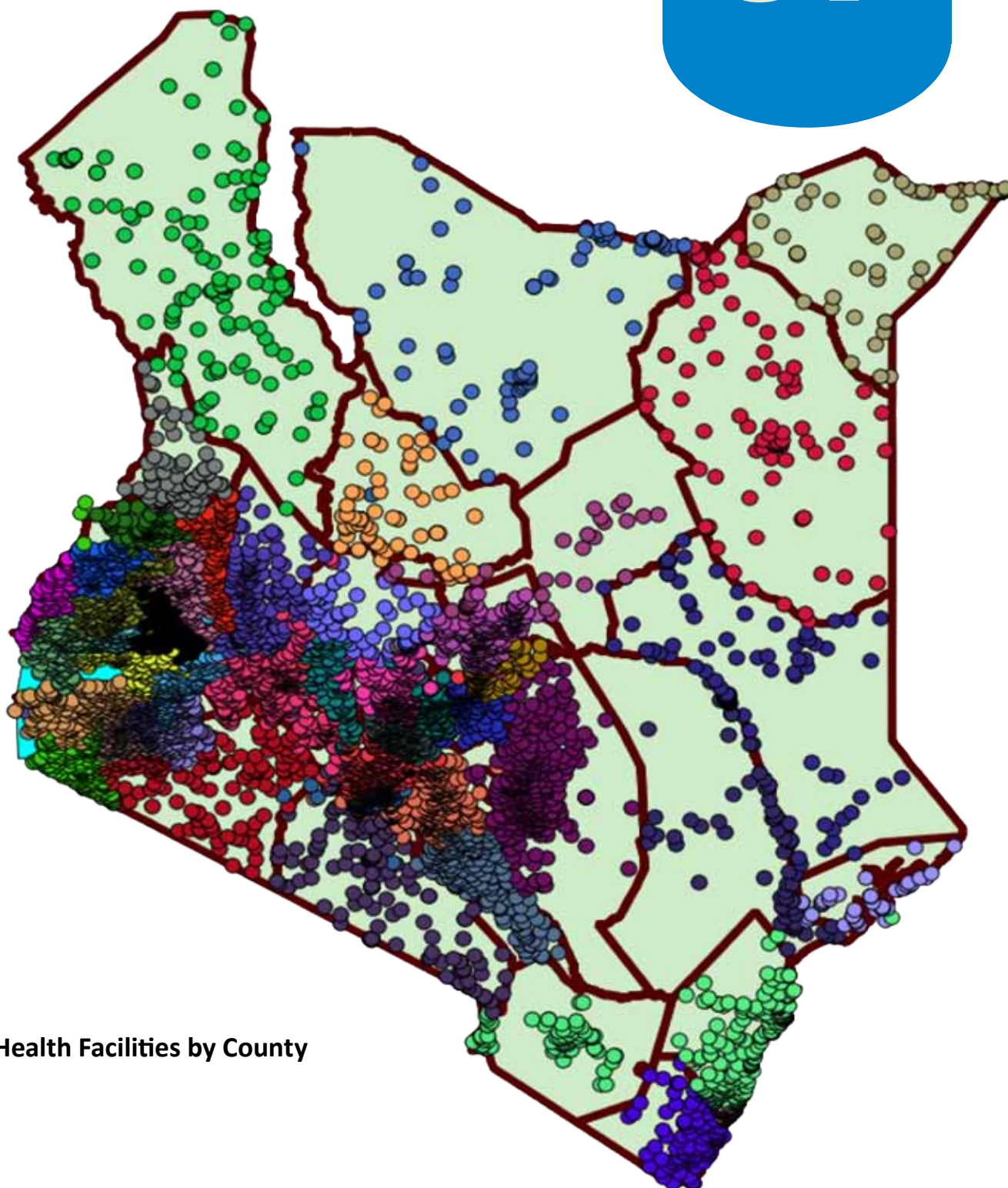
Generally, only 57% of all health facilities are ready to provide KEPH services, with readiness highest amongst hospitals (72% of hospitals ready) and Private not-for-profit facilities (65% of these are ready to provide services). Only 57% of public facilities are ready to provide services. This shows there is a significant amount of effort needed to improve facility readiness, which effort would increase health outcomes. Such efforts to improve service readiness, and therefore outcomes are achievable with minimal investments, making it a low cost, but high value strategy for improving utilization of services.

The specific service readiness of facilities varied across services, with readiness tending to be higher at primary care facilities than hospitals, and in public facilities as opposed to non public facilities for the identified targeted public health services. The readiness to provide specific services varies significantly. In descending order, the percent of facilities able to provide different services are: 70% for malaria, 67% ready to provide HIV services, 64% for immunization, 60% ready to provide TB services, 55% for child health, 48% for surgical services, 34% for NCD services, and 32% for maternal health. Readiness for maternity and NCD services – two critical priority areas for the sector – are too low. It is critical for the sector to put in place specific strategies to improve readiness of facilities to provide these services, if it intends to achieve its objectives.

Finally, SARAM sought to assess the health leadership in Kenya by looking at health service provision points' organizational capacity, stewardship and leadership readiness in delivering health services. Within each of these areas of leadership, specific variables were assessed across the facilities, to provide a picture of the status in each facility. Service delivery organization readiness was noted to be low, with only 57% of facilities had registers for data collection, 62% had submitted reports, and only 36% were providing regular community feedback on their activities. Health stewardship readiness was higher in hospitals, and in public health facilities. Only 47% of facilities knew their areas of responsibility for planning of service provision, with 34% having held discussions/meetings with their stakeholders in the past 12 months of the survey. Finally, only 49% of facilities had held board / committee meetings in the previous year, with only 14% of facilities having corruption prevention committee's in place. Health leadership readiness therefore still has significant room for improvement across the Country.

## COUNTY SPECIFIC FACT SHEETS

# 07



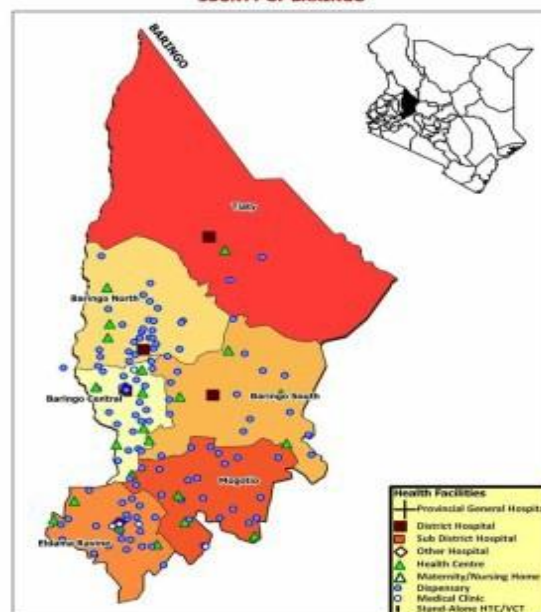
Health Facilities by County

## BARINGO COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	629,183	43,726,652
Population female	313,119	21,990,837
Population male	316,064	21,735,815
Pregnant Women	38,456	1,893,895
Deliveries	38,170	1,879,796
EOC	286	14,098
live births	38,170	1,879,796
Population <1y	21,392	1,382,112
Population <5y	101,928	6,724,207
Population <15y	254,806	16,985,077
Population 15-24y	94,377	6,558,998
Population 25-59y	195,047	13,555,262
Households	125,181	8,344,425
Size (sq.km)	11015.0	581313.2
Poverty level	21.6	19.0
Percent of population urban	11	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies: COUNTY OF BARINGO



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	66	100	Provide essential health services	General Outpatient	77	83%	100%
	Child Health	70	76	100		Integrated MCH / Family Planning services	64	71%	86%
	Screening for communicable conditions	58	59	100		Accident and Emergency	27	25%	71%
	Antenatal Care	68	67	100		Emergency life support	15	7%	43%
	Prevention of Mother to Child HIV Transmission	60	59	100		Maternity	35	20%	86%
	Integrated Vector Management	30	47	86		Newborn services	34	43%	86%
	Good hygiene practices	76	83	100		Reproductive health	58	69%	86%
	HIV and STI prevention	71	72	86		In Patient	14	8%	86%
	Port health	6	2	14		Clinical Laboratory	41	22%	100%
Halt, and reverse the Rising burden Of NCDs	Control and prevention neglected tropical diseases	29	34	57	Strengthen collaboration with health related sectors	Specialized laboratory	4	1%	57%
	Health Promotion & Education for NCD's	46	34	71		Imaging	2	0%	43%
	Institutional Screening for NCD's	28	19	86		Pharmaceutical	40	42%	100%
	Rehabilitation	10	2	14		Blood safety	6	1%	71%
	Workplace Health & Safety	58	75	100		Rehabilitation	10	2%	14%
Reduce the burden of violence and injuries	Food quality & Safety	35	60	71		Palliative care	4	0%	29%
	Health Promotion and education on violence / injuries	ND	ND	ND		Specialized clinics	6	0%	57%
	Pre hospital Care	70	21	86		Comprehensive youth friendly services	10	2%	14%
	OPD/Accident and Emergency	58	35	100		General Operations	5	2%	43%
	Management for injuries	68	67	100		Specialized Therapies			
Minimize exposure to Health risk factors	Rehabilitation	60	2	14		Safe water	65	78%	100%
	Health Promotion including health Education	71	73%	100%		Sanitation and hygiene	67	83%	100%
	Sexual education	55	38%	71%		Nutrition services	48	75%	100%
	Substance abuse	33	13%	57%		Pollution control	30	32%	71%
	Micronutrient deficiency control	43	62%	100%		Housing	22	20%	57%
	Physical activity	ND	ND	ND		School health	36	63%	71%
						Water and Sanitation Hygeine		ND	ND
						Food fortification	10	6%	14%
						Population management	18	14%	43%
						Road infrastructure and Transport	8	12%	14%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
Baringo										
Number	169	7	22	126	14	0	138	17	13	1
Percent	100%	4%	13%	75%	8%	0%	81.7%	10.1%	7.7%	0.6%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
Baringo	169	9	11		51		6	0.96	0.06
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
Baringo	169	21	44	10	38	3	2	2	1	2	3	1	2	3	1	3
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

Health workforce																												
	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total			
Baringo	1	3	2	2				1		2						1	4		123			3		3	8	9	13	1102
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075			

### Staff absenteeism reasons

Staff absenteeism Reasons				Reasons for staff absence								
	Staff present	Staff absent	% Absent	Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
Baringo	771	327	29.67%	3	312	3	0	2	2	1	4	1102
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
Baringo	1102	322	29.22%	115	19	181	7	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMT CT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
Baringo	10	22	29	1	8	2	5	1	6	4	4		4	1043
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Baringo	49%	79%	12%	10%	56%	31%	84%	76%	81%	65%	2%	72%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
Baringo	49%	65%	65%	63%	58%	65%	63%	3%	5%	41%	1%	1%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
Baringo	20%	52%	24%	14%	19%	12%	56%	13%	1%	23%	4%	5%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
Baringo	37%	52%	1%	19%	31%	56%	10%	4%	49%	79%	44%	84%	76%	9%	6%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (DAT + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
Baringo	29	36%	38%	31%	45%	48%	31%	45%	38%	24%	34%	21%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

Availability of TB commodities			Percent of facilities with respective tracer items for TB commodities						
County	Total number of facilities providing service	Mean availability of tracer items	Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
Baringo	174	14%	13%	7%	6%	17%	19%	18%	21%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

Availability of malaria commodities			Percent of facilities with respective tracer items for malaria commodities								
	Total number of facilities	Mean availability of tracer items	ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
Baringo	169	49%	81%	66%	18%	65%	79%	56%	11%	59%	7%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
Baringo	169	15%	4%	5%	42%	9%	12%	7%	4%	67%	3%	14%	6%	8%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Baringo	169	49%	79%	12%	10%	56%	31%	84%	76%	81%	65%	2%	72%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
Baringo	52%	84%	64%	49%	59%	12%	51%	60%	9%	44%	65%	72%	29%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	Baringo	68%	71%	84%	67%	57%	14%	71%	54%	20%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	Baringo	60%	100%	95%	54%	43%	9%	37%	46%	0%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	Baringo	74%	100%	83%	72%	71%	16%	77%	72%	0%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	Baringo	65%	100%	100%	63%	21%	10%	58%	31%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	Baringo	64%	96%	98%	61%	36%	10%	54%	40%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	Baringo	27%	60%	42%	23%	31%	6%	25%	32%	0%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	Baringo	24%	71%	38%	19%	29%	5%	19%	33%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	Baringo	39%	78%	37%	35%	57%	12%	53%	59%	0%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
Baringo	36%	19%	19%	19%	59%	61%	56%	19%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
Baringo	28%	30%	68%	11%	14%	30%	39%	26%	19%	19%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
Baringo	33%	57%	33%	26%	40%	15%	26%
National	37%	47%	34%	32%	41%	31%	38%

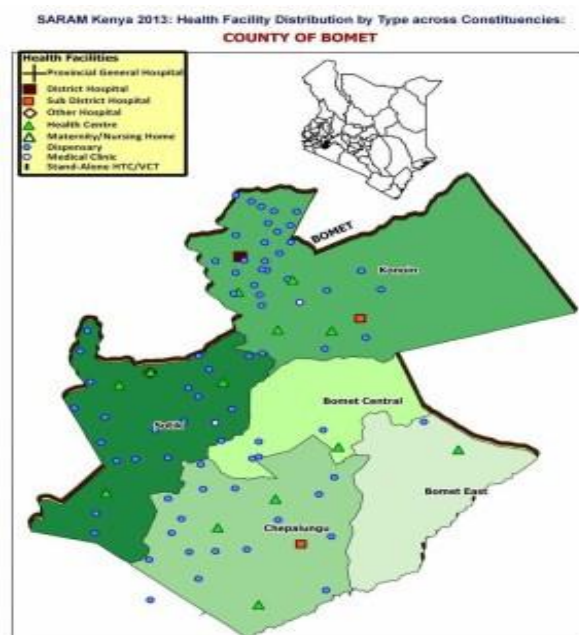
### Health governance readiness

County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
Baringo	48%	78%	74%	11%	27%
National	36%	54%	49%	14%	26%

## BOMET COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	820,154	43,726,652
Population female	412,757	21,990,837
Population male	407,398	21,735,815
Pregnant Women	40,550	1,893,895
Deliveries	40,248	1,879,796
EOC	302	14,098
live births	40,248	1,879,796
Population <1y	27,885	1,382,112
Population <5y	132,865	6,724,207
Population <15y	410,554	16,985,077
Population 15-24y	123,023	6,558,998
Population 25-59y	254,248	13,555,262
Households	201,697	8,344,425
Size (sq.km)	2471.3	581313.2
Poverty level	12.2	19.0
Percent of population urban	18	29.9



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	92%	100%	Provide essential health services	General Outpatient	77	95%	100%
	Child Health	70	93%	100%		Integrated MCH / Family Planning services	64	92%	100%
	Screening for communicable conditions	58	69%	100%		Accident and Emergency	27	12%	60%
	Antenatal Care	68	96%	100%		Emergency life support	15	2%	80%
	Prevention of Mother to Child HIV Transmission	60	90%	100%		Maternity	35	28%	80%
	Integrated Vector Management	30	45%	60%		Newborn services	34	41%	100%
	Good hygiene practices	76	96%	100%		Reproductive health	58	80%	80%
	HIV and STI prevention	71	96%	100%		In Patient	14	6%	100%
	Port health	6	2%	0%		Clinical Laboratory	41	30%	100%
Halt, and reverse the Rising burden Of NCDs	Control and prevention neglected tropical diseases	29	19%	60%		Specialized laboratory	4	1%	40%
	Health Promotion & Education for NCD's	46	59%	100%		Imaging	2	0%	60%
	Institutional Screening for NCD's	28	25%	100%		Pharmaceutical	40	58%	100%
	Rehabilitation	10	3%	60%		Blood safety	6	7%	60%
	Workplace Health & Safety	58	76%	100%		Rehabilitation	10	3%	60%
Reduce the burden of violence and injuries	Food quality & Safety	35	54%	100%		Palliative care	4	4%	40%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	6%	80%
	Pre hospital Care	70	38%	80%	Strengthen collaboration with health related sectors	Comprehensive youth friendly services	10	9%	40%
	OPD/Accident and Emergency	58	19%	100%		General Operations	5		
	Management for injuries	68	75%	100%		Specialized Therapies			
Minimize exposure to Health risk factors	Rehabilitation	60	3%	60%		Safe water	65	84%	100%
	Health Promotion including health Education	71	92%	100%		Sanitation and hygiene	67	90%	100%
	Sexual education	55	70%	100%		Nutrition services	48	49%	100%
	Substance abuse	33	30%	80%		Pollution control	30	45%	80%
	Micronutrient deficiency control	43	55%	80%		Housing	22	38%	100%
	Physical activity	ND	ND	ND		School health	36	64%	80%
						Water and Sanitation Hygiene			
						Food fortification	10	26%	80%
						Population management	18	37%	60%
						Road infrastructure and Transport	8	30%	40%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
BOMET										
Number	111	5	14	89	3	0	95	12	3	1
Percent	100%	5%	13%	80%	3%	0%	85.6%	10.8%	2.7%	0.9%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per BOMET	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
BOMET	111	6	20		37		4	0.40	0.18
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
BOMET																
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
BOMET			2													5		26					2	774	809
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	172	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
BOMET	665	137	16.93%	0	137	0	0	0	0	0	0	809
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
BOMET	809	137	16.93%	63	7	65	2	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI prevention	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
BOMET	19	24	114	8	37		1	1	12	1	14	2	6	596
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
BOMET	55%	84%	11%	13%	33%	33%	96%	85%	97%	81%	5%	83%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
BOMET	55%	92%	93%	81%	29%	83%	83%	1%	4%	2%	3%	5%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
BOMET	20%	73%	3%	21%	15%	11%	33%	11%	3%	34%	85%	4%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
BOMET	41%	3%	3%	15%	33%	33%	13%	3%	70%	84%	47%	96%	85%	16%	3%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
BOMET	19	72%	79%	16%	95%	95%	68%	89%	95%	79%	89%	11%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities							
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)	
BOMET	110	23%	22%	17%	15%	24%	27%	23%	31%	
National	5840	41%	47%	37%	31%	42%	42%	40%	45%	

### Availability of Malaria commodities

Availability of malaria commodities			Percent of facilities with respective tracer items for malaria commodities								
	Total number of facilities	Mean availability of tracer items	ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
BOMET	111	54%	97%	81%	9%	39%	88%	58%	22%	74%	21%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazide)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
BOMET	111	20%	11%	10%	64%	12%	13%	7%	3%	72%	10%	12%	8%	17%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin in powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
BOMET	111	55%	84%	11%	13%	33%	33%	96%	85%	97%	81%	5%	83%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
BOMET	62%	87%	68%	59%	60%	60%	75%	77%	33%	44%	81%	86%	35%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	BOMET	78%	100%	82%	77%	50%	78%	79%	83%	50%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	BOMET	70%	100%	79%	68%	33%	73%	58%	33%	0%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	BOMET	87%	100%	98%	86%	56%	89%	81%	89%	0%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	BOMET	92%	100%	93%	92%	67%	93%	100%	67%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	BOMET	70%	100%	73%	68%	50%	70%	73%	58%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	BOMET	25%	68%	36%	22%	0%	25%	35%	7%	0%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	BOMET	33%	93%	40%	29%	33%	33%	36%	44%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	BOMET	45%	71%	44%	44%	29%	43%	60%	38%	0%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
BOMET								
BOMET	54%	31%	23%	25%	81%	74%	92%	50%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
BOMET										
BOMET	45%	50%	91%	18%	24%	33%	82%	39%	29%	36%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
BOMET	57%	80%	51%	49%	58%	36%	70%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

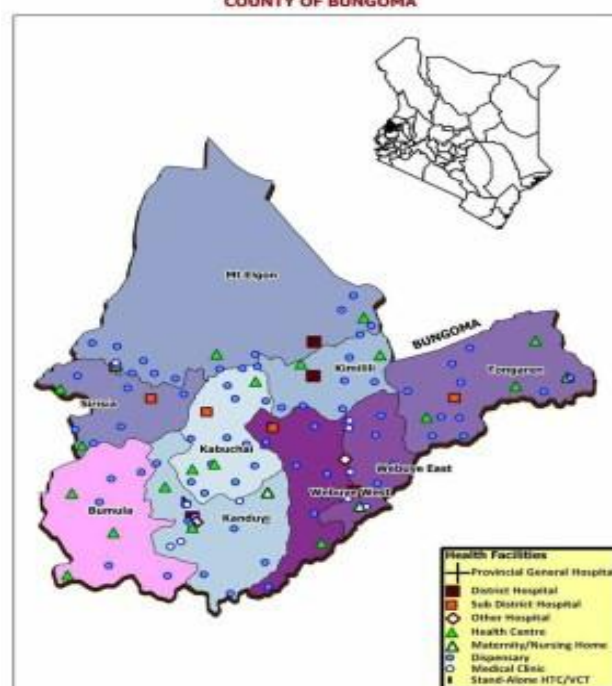
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
BOMET					
BOMET	52%	91%	80%	16%	20%
National	36%	54%	49%	14%	26%

## BUNGOMA COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	1,847,063	43,726,652
Population female	946,037	21,990,837
Population male	901,026	21,735,815
Pregnant Women	83,738	1,893,895
Deliveries	83,115	1,879,796
EOC	623	14,098
live births	83,115	1,879,796
Population <1y	66,494	1,382,112
Population <5y	323,236	6,724,207
Population <15y	621,899	16,985,077
Population 15-24y	277,059	6,558,998
Population 25-59y	572,590	13,555,262
Households	305,526	8,344,425
Size (sq.km)	3592.8	581313.2
Poverty level	17.7	19.0
Percent of population urban	22	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies: COUNTY OF BUNGOMA



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospital s
<b>Eliminate Communicable Conditions</b>	Immunization	63	73%	100%	<b>Provide Essential health services</b>	General Outpatient	77	86%	100%
	Child Health	70	78%	100%		Integrated MCH / Family Planning services	64	74%	100%
	Screening for communicable conditions	58	77%	91%		Accident and Emergency	27	44%	82%
	Antenatal Care	68	79%	100%		Emergency life support	15	15%	36%
	Prevention of Mother to Child HIV Transmission	60	72%	100%		Maternity	35	57%	100%
	Integrated Vector Management	30	44%	91%		Newborn services	34	54%	73%
	Good hygiene practices	76	78%	91%		Reproductive health	58	75%	100%
	HIV and STI prevention	71	77%	100%		In Patient	14	20%	100%
	Port health	6	3%	0%		Clinical Laboratory	41	64%	100%
<b>Halt and reverse the rising burden of NCDs</b>	Control and prevention neglected tropical diseases	29	49%	82%		Specialized laboratory	4	5%	18%
	Health Promotion & Education for NCD's	46	67%	100%		Imaging	2	1%	45%
	Institutional Screening for NCD's	28	47%	73%		Pharmaceutical	40	54%	91%
	Rehabilitation	10	9%	55%		Blood safety	6	4%	73%
	Workplace Health & Safety	58	57%	91%		Rehabilitation	10	9%	55%
<b>Reduce the Burden of violence and injuries</b>	Food quality & Safety	35	36%	64%		Palliative care	4	8%	18%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	4%	45%
	Pre hospital Care	70	35%	73%		Comprehensive youth friendly services	10	12%	45%
	OPD/Accident and Emergency	58	57%	91%		General Operations	5	5%	55%
	Management for injuries	68	74%	82%	<b>Strengthen collaboration with health related sectors</b>	Specialized Therapies			
<b>Minimize exposure to health risk factors</b>	Rehabilitation	60	9%	55%		Safe water	65	73%	100%
	Health Promotion including health Education	71	81%	100%		Sanitation and hygiene	67	78%	100%
	Sexual education	55	74%	91%		Nutrition services	48	56%	100%
	Substance abuse	33	38%	73%		Pollution control	30	33%	73%
	Micronutrient deficiency control	43	53%	82%		Housing	22	28%	73%
	Physical activity	ND	ND	ND		School health	36	51%	91%
						Water and Sanitation Hygeine			
						Food fortification	10	2%	9%
						Population management	18	25%	82%
						Road infrastructure and Transport	8	9%	82%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
BUNGOMA										
Number	141	11	20	79	26	5	91	20	24	6
Percent	100%	8%	14%	56%	18%	4%	64.5%	14.2%	17.0%	4.3%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per BUNGOMA	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
BUNGOMA	141	8	27	6	48		8	0.52	0.18
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

Service units availability		Numbers available														
	Total number of facilities	Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
BUNGOMA	141	20	42	20	34	12	5	4	1	5	4	1	3	5	4	2
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
BUNGOMA	37	3	5	5			1	13		7	1	3				18		23	4	24	4	1	18	1321	1464
National	501	207	32	23	14	76	11	152	21	30	35	11	1	16	8	21	12	1807	198	9	11	9	17	5970	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
BUNGOMA	1282	159	10.86%	15	128	3	0	0	0	8	5	1464
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
BUNGOMA	1464	136	9.29%	23	33	67	13	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
BUNGOMA	70	24	110	25	77	3	2	22	23	3	15	4	7	1084
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin in powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
BUNGOMA	49%	67%	12%	26%	56%	36%	77%	66%	81%	68%	4%	72%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
BUNGOMA	49%	69%	70%	68%	46%	70%	66%	3%	5%	2%	2%	9%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
BUNGOMA	29%	66%	37%	15%	40%	12%	56%	23%	5%	32%	12%	17%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
BUNGOMA	41%	66%	5%	40%	36%	56%	26%	12%	58%	67%	31%	77%	66%	22%	14%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
BUNGOMA	36	57%	72%	31%	83%	81%	42%	69%	67%	44%	61%	17%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities					
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)
BUNGOMA	121	45%	53%	36%	27%	49%	43%	45%
National	5840	41%	47%	37%	31%	42%	42%	40%

### Availability of Malaria commodities

Availability of malaria commodities			Percent of facilities with respective tracer items for malaria commodities								
	Total number of facilities	Mean availability of tracer items	ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine ) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
BUNGOMA	141	49%	81%	69%	24%	73%	76%	50%	12%	41%	11%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
BUNGOMA	141	22%	11%	11%	52%	20%	25%	15%	9%	54%	4%	24%	17%	19%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

Availability of general medicines			Percent of facilities with respective tracer items										
	Total number of facilities	Mean availability of tracer items	Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
BUNGOMA	141	49%	67%	12%	26%	56%	36%	77%	66%	81%	68%	4%	72%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

BUNGOMA	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
BUNGOMA	56%	81%	65%	50%	57%	55%	65%	55%	46%	45%	72%	72%	35%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	BUNGOMA	76%	95%	80%	78%	59%	81%	75%	56%	75%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	BUNGOMA	79%	91%	95%	79%	64%	84%	80%	74%	25%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	BUNGOMA	75%	94%	78%	75%	66%	78%	77%	63%	67%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	BUNGOMA	75%	100%	95%	84%	33%	90%	80%	33%	25%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	BUNGOMA	67%	93%	90%	73%	32%	80%	70%	33%	25%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	BUNGOMA	36%	76%	50%	30%	30%	38%	40%	30%	25%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	BUNGOMA	53%	73%	73%	56%	23%	63%	50%	30%	17%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	BUNGOMA	42%	71%	43%	34%	53%	36%	58%	52%	45%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
BUNGOMA	59%	53%	54%	48%	67%	68%	73%	48%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
BUNGOMA	38%	42%	66%	15%	17%	56%	71%	22%	26%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
BUNGOMA	53%	68%	45%	37%	57%	44%	64%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

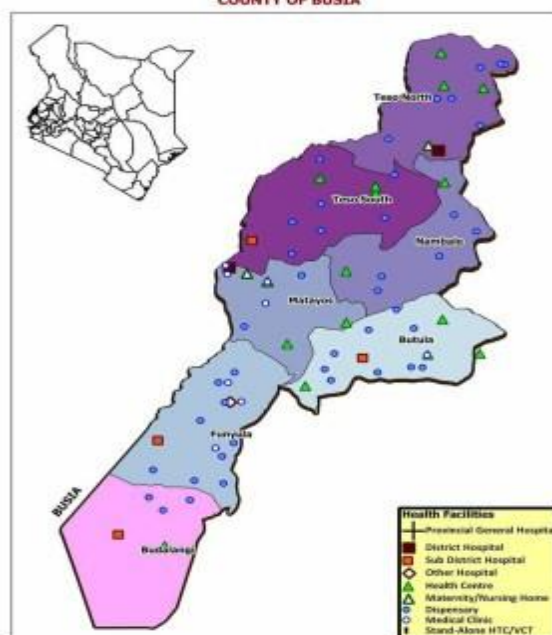
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
BUNGOMA	43%	68%	63%	17%	23%
National	36%	54%	49%	14%	26%

## BUSIA COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	552,754	43,726,652
Population female	289,925	21,990,837
Population male	262,829	21,735,815
Pregnant Women	24,118	1,893,895
Deliveries	23,938	1,879,796
EOC	180	14,098
live births	23,938	1,879,796
Population <1y	19,899	1,382,112
Population <5y	96,732	6,724,207
Population <15y	335,610	16,985,077
Population 15-24y	82,913	6,558,998
Population 25-59y	171,354	13,555,262
Households	164,878	8,344,425
Size (sq.km)	1134.4	581313.2
Poverty level	26.8	19.0
Percent of population urban	16	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF BUSIA



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	82%	100%	<b>Provide essential health services</b>	General Outpatient	77	88%	100%
	Child Health	70	82%	100%		Integrated MCH / Family Planning services	64	79%	100%
	Screening for communicable conditions	58	72%	100%		Accident and Emergency	27	59%	86%
	Antenatal Care	68	80%	100%		Emergency life support	15	25%	43%
	Prevention of Mother to Child HIV Transmission	60	78%	100%		Maternity	35	51%	100%
	Integrated Vector Management	30	38%	43%		Newborn services	34	39%	100%
	Good hygiene practices	76	87%	100%		Reproductive health	58	75%	100%
	HIV and STI prevention	71	82%	100%		In Patient	14	28%	100%
	Port health	6	3%	0%		Clinical Laboratory	41	50%	100%
	Control and prevention neglected tropical diseases	29	25%	43%		Specialized laboratory	4	7%	29%
<b>Halt and reverse the rising burden of NCDs</b>	Health Promotion & Education for NCD's	46	64%	86%	<b>Strengthen collaboration with health related sectors</b>	Imaging	2	4%	86%
	Institutional Screening for NCD's	28	47%	86%		Pharmaceutical	40	50%	100%
	Rehabilitation	10	14%	29%		Blood safety	6	11%	86%
	Workplace Health & Safety	58	62%	100%		Rehabilitation	10	14%	29%
	Food quality & Safety	35	32%	71%		Palliative care	4	3%	14%
<b>Reduce the Burden of violence and injuries</b>	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	3%	57%
	Pre hospital Care	70	54%	86%		Comprehensive youth friendly services	10	12%	43%
	OPD/Accident and Emergency	58	74%	86%		General Operations	5	4%	57%
	Management for injuries	68	84%	100%		Specialized Therapies			
	Rehabilitation	60	14%	29%		Safe water	65	88%	100%
<b>Minimize exposure to health risk factors</b>	Health Promotion including health Education	71	92%	100%		Sanitation and hygiene	67	86%	100%
	Sexual education	55	82%	86%		Nutrition services	48	58%	100%
	Substance abuse	33	47%	57%		Pollution control	30	37%	57%
	Micronutrient deficiency control	43	74%	100%		Housing	22	30%	86%
	Physical activity	ND	ND	ND		School health	36	62%	71%
						Water and Sanitation Hygiene			
						Food fortification	10	22%	0%
						Population management	18	41%	57%
						Road infrastructure and Transport	8	14%	29%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
BUSIA										
Number	80	7	15	47	8	3	58	15	6	1
Percent	9%	19%	59%	10%	4%	4%	72.5%	18.8%	7.5%	1.3%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per BUSIA	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
BUSIA	80	2	5	6	4		2	0.24	0.06
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
BUSIA	80	17	25	9	18	11	3	1	1	3	1	1	1	3	2	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health Specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
BUSIA	1	1	3	2			6			2						10		16					12	820	873
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
BUSIA	751	117	13.40%	10	93	9	0	0	0	5	0	873
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Tota Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
BUSIA	873	98	11.23%	32	13	53		
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
BUSIA	30	35	79	2	47			1	10	1	5	11	2	618
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availabi lity of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicilli n syrup/ suspensi on	Ampicillin powder for injection	Ceftriaxo ne powder for injection	Gentamic in injectable	Procaine benzylpe nicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsule s	Morphine granule, injectabl e or cap/tab	Paracetamol syrup/suspensio n
BUSIA	52%	70%	12%	22%	67%	29%	84%	76%	89%	80%	4%	78%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
BUSIA	52%	77%	77%	73%	60%	77%	71%	2%	7%	4%	2%	4%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

Availability of maternal health tracer commodities		Percent of facilities with respective tracer items for maternal health										
	Mean availability of tracer items	Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
BUSIA	31%	75%	46%	18%	48%	12%	67%	20%	6%	24%	8%	14%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

Availability of life saving commodities	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
BUSIA	43%	75%	6%	48%	29%	67%	22%	8%	59%	70%	28%	84%	76%	18%	13%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
BUSIA	25	63%	64%	52%	72%	76%	52%	72%	72%	56%	76%	40%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
BUSIA	74	46%	49%	35%	27%	51%	47%	54%	57%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
BUSIA	80	55%	89%	80%	20%	88%	82%	65%	8%	52%	8%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
BUSIA	80	24%	12%	13%	61%	24%	24%	13%	5%	65%	4%	25%	19%	28%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

Availability of general medicines			Percent of facilities with respective tracer items										
	Total number of facilities	Mean availability of tracer items	Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
BUSIA	80	52%	70%	12%	22%	67%	29%	84%	76%	89%	80%	4%	78%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
BUSIA	58%	78%	63%	54%	59%	55%	69%	64%	47%	49%	72%	74%	37%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	BUSIA	77%	71%	80%	78%	71%	77%	70%	93%	50%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	BUSIA	75%	100%	80%	80%	33%	82%	67%	29%	100%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	BUSIA	82%	86%	87%	84%	67%	83%	80%	81%	67%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	BUSIA	83%	100%	100%	88%	33%	93%	60%	43%	100%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	BUSIA	68%	100%	80%	68%	35%	75%	53%	39%	50%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	BUSIA	41%	46%	48%	40%	32%	41%	41%	43%	40%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	BUSIA	53%	81%	51%	55%	31%	58%	40%	33%	100%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	BUSIA	44%	59%	49%	38%	57%	36%	66%	73%	43%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
BUSIA								
BUSIA	74%	75%	73%	66%	77%	78%	89%	58%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
BUSIA										
BUSIA	39%	40%	80%	14%	17%	71%	76%	23%	16%	18%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
BUSIA	61%	73%	43%	45%	57%	66%	80%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

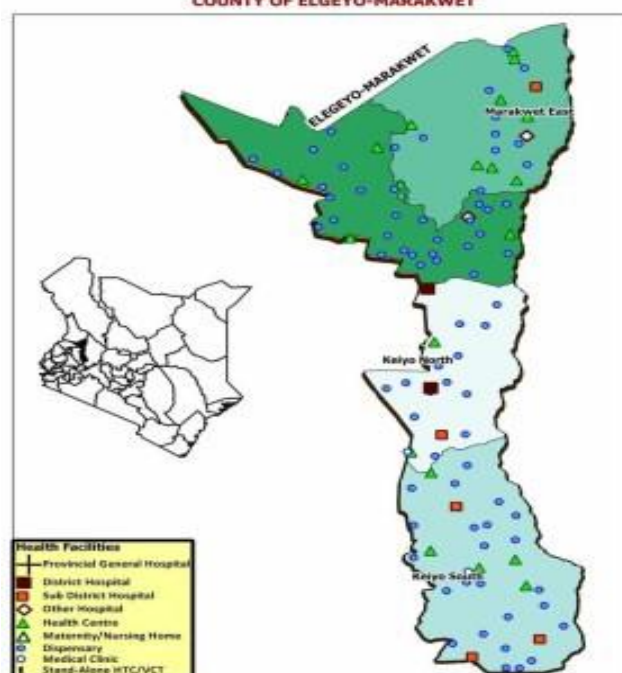
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
BUSIA					
BUSIA	47%	77%	72%	11%	28%
National	36%	54%	49%	14%	26%

## ELGEYO-MARAKWET COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	419,030	43,726,652
Population female	210,943	21,990,837
Population male	208,087	21,735,815
Pregnant Women	18,472	1,893,895
Deliveries	18,334	1,879,796
EOC	138	14,098
live births	18,334	1,879,796
Population <1y	14,247	1,382,112
Population <5y	67,883	6,724,207
Population <15y	169,337	16,985,077
Population 15-24y	62,854	6,558,998
Population 25-59y	129,899	13,555,262
Households	83,192	8,344,425
Size (sq.km)	3029.8	581313.2
Poverty level	16.6	19.0
Percent of population urban	14	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF ELGEYO-MARAKWET



## PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	66%	100%	<b>Provide essential health services</b>	General Outpatient	77	74%	100%
	Child Health	70	72%	100%		Integrated MCH / Family Planning services	64	57%	89%
	Screening for communicable conditions	58	47%	100%		Accident and Emergency	27	18%	56%
	Antenatal Care	68	55%	100%		Emergency life support	15	11%	33%
	Prevention of Mother to Child HIV Transmission	60	49%	100%		Maternity	35	24%	100%
	Integrated Vector Management	30	25%	78%		Newborn services	34	24%	78%
	Good hygiene practices	76	76%	100%		Reproductive health	58	66%	89%
	HIV and STI prevention	71	67%	100%		In Patient	14	16%	100%
	Port health	6	2%	11%		Clinical Laboratory	41	20%	100%
	Control and prevention neglected tropical diseases	29	22%	4%		Specialized laboratory	4	1%	44%
<b>Halt, and reverse the rising burden of NCDs</b>	Health Promotion & Education for NCD's	46	29%	67%	<b>Strengthen collaboration with health related sectors</b>	Imaging	2	0%	33%
	Institutional Screening for NCD's	28	10%	44%		Pharmaceutical	40	44%	89%
	Rehabilitation	10	5%	22%		Blood safety	6	2%	33%
	Workplace Health & Safety	58	64%	100%		Rehabilitation	10	5%	22%
	Food quality & Safety	35	34%	100%		Palliative care	4	1%	22%
<b>Reduce the Burden of violence and injuries</b>	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	0%	22%
	Pre hospital Care	70	13%	11%		Comprehensive youth friendly services	10	3%	0%
	OPD/Accident and Emergency	58	29%	56%		General Operations	5	2%	44%
	Management for injuries	68	51%	100%		Specialized Therapies			
	Rehabilitation	60	5%	22%		Safe water	65	74%	89%
<b>Minimize exposure to health risk factors</b>	Health Promotion including health Education	71	68%	89%		Sanitation and hygiene	67	76%	100%
	Sexual education	55	41%	56%		Nutrition services	48	24%	89%
	Substance abuse	33	18%	0%		Pollution control	30	25%	78%
	Micronutrient deficiency control	43	23%	44%		Housing	22	25%	67%
	Physical activity	ND	ND	ND		School health	36	45%	67%
						Water and Sanitation Hygiene			
						Food fortification	10	14%	22%
						Population management	18	15%	11%
						Road infrastructure and Transport	8	6%	11%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
ELGEYO MARAKWET										
Number	116	9	20	84	3	0	99	13	4	0
Percent	8%	17%	72%	3%	0%	4%	85.3%	11.2%	3.4%	0.0%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
ELGEYO MARAKWET	116	14	16		50		12	2.88	0.13
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
ELGEYO MARAKWET	116	0	22	6	20	5	3	3	1	2	3	0	2	3	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
ELGEYO MARAKWET	5		2	1			3			4						1		67			1	1	9	488	582
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
ELGEYO MARAKWET	343	233	40.03%	5	228	0	0	0	0	0	0	582
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
ELGEYO MARAKWET	582	234	40.21%	84	12	135	3	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
ELGEYO MARAKWET	15	13	108	6	25	1	1	4	1	11	7	14	9
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
ELGEYO MARAKWET	48%	82%	9%	15%	42%	26%	85%	75%	85%	46%	7%	78%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
ELGEYO MARAKWET	48%	66%	65%	64%	63%	66%	63%	2%	6%	51%	1%	1%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
ELGEYO MARAKWET	18%	54%	27%	10%	17%	9%	42%	11%	2%	19%	5%	7%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
ELGEYO MARAKWET	36%	54%	2%	17%	26%	42%	15%	5%	52%	82%	38%	85%	75%	11%	5%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + EFV)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
ELGEYO MARAKWET	29	32%	31%	28%	52%	52%	17%	38%	41%	24%	24%	17%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
ELGEYO MARAKWET									
ELGEYO MARAKWET	119	14%	15%	10%	10%	16%	15%	16%	18%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

Availability of malaria commodities			Percent of facilities with respective tracer items for malaria commodities								
	Total number of facilities	Mean availability of tracer items	ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
ELGEYO MARAKWET	116	51%	85%	62%	11%	72%	83%	55%	9%	71%	14%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
ELGEYO MARAKWET	116	15%	6%	7%	42%	4%	12%	7%	3%	76%	2%	8%	7%	10%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
ELGEYO MARAKWET	116	48%	82%	9%	15%	42%	26%	85%	75%	85%	46%	7%	78%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
ELGEYO MARAKWET	51%	86%	64%	47%	13%	51%	69%	20%	0	44%	57%	74%	30%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	ELGEYO MARAKWET	73%	78%	85%	71%	38%	71%	96%	58%	0
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	ELGEYO MARAKWET	50%	100%	65%	43%	0%	51%	54%	17%	
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	ELGEYO MARAKWET	75%	100%	85%	71%	50%	76%	79%	50%	
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	ELGEYO MARAKWET	67%	100%	95%	59%	25%	68%	69%	33%	
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	ELGEYO MARAKWET	48%	92%	69%	40%	19%	48%	60%	29%	
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	ELGEYO MARAKWET	24%	56%	44%	17%	15%	23%	31%	20%	ND
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	ELGEYO MARAKWET	16%	48%	17%	13%	0%	15%	31%	0%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	ELGEYO MARAKWET	40%	75%	46%	35%	46%	37%	63%	43%	
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
ELGEYO MARAKWET	41%	14%	20%	20%	64%	72%	76%	18%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

Health stewardship readiness		% facilities ready, by different variables								
	Mean readiness	All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
ELGEYO MARAKWET	33%	42%	76%	7%	15%	20%	66%	31%	18%	23%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district stakeholders forum in the past year	Partners directly supporting/working
ELGEYO MARAKWET	36%	46%	33%	44%	33%	36%	24%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

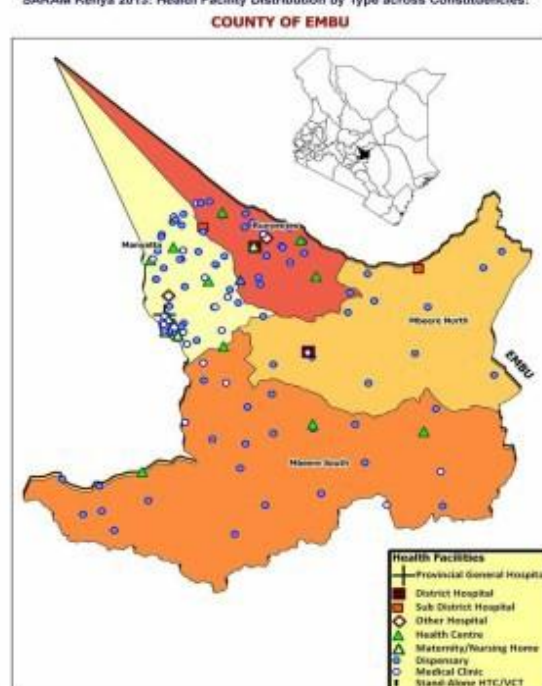
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
ELGEYO MARAKWET	51%	82%	76%	13%	33%
National	36%	54%	49%	14%	26%

## EMBU COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	584,620	43,726,652
Population female	296,617	21,990,837
Population male	288,003	21,735,815
Pregnant Women	26,447	1,893,895
Deliveries	26,250	1,879,796
EOC	197	14,098
live births	26,250	1,879,796
Population <1y	16,369	1,382,112
Population <5y	83,601	6,724,207
Population <15y	225,771	16,985,077
Population 15-24y	87,693	6,558,998
Population 25-59y	181,232	13,555,262
Households	110,917	8,344,425
Size (sq.km)	2818.0	581,313.2
Poverty level	14.2	19.0
Percent of population urban	16	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County - Primary care	County-Hospitals			National	County - Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	65%	88%	<b>Provide essential health services</b>	General Outpatient	77	87%	100%
	Child Health	70	76%	88%		Integrated MCH / Family Planning services	64	77%	75%
	Screening for communicable conditions	58	65%	75%		Accident and Emergency	27	29%	25%
	Antenatal Care	68	74%	100%		Emergency life support	15	17%	38%
	Prevention of Mother to Child HIV Transmission	60	63%	75%		Maternity	35	15%	75%
	Integrated Vector Management	30	32%	63%		Newborn services	34	29%	50%
	Good hygiene practices	76	83%	100%		Reproductive health	58	65%	88%
	HIV and STI prevention	71	83%	100%		In Patient	14	10%	88%
	Port health	6	4%	13%		Clinical Laboratory	41	56%	100%
	Control and prevention neglected tropical diseases	29	22%	38%		Specialized laboratory	4	2%	25%
<b>Halt and reverse the rising burden of NCDs</b>	Health Promotion & Education for NCD's	46	46%	88%	<b>Strengthen collaboration with health related sectors</b>	Imaging	2	1%	63%
	Institutional Screening for NCD's	28	20%	50%		Pharmaceutical	40	47%	100%
	Rehabilitation	10	9%	50%		Blood safety	6	6%	38%
	Workplace Health & Safety	58	60%	88%		Rehabilitation	10	9%	50%
	Food quality & Safety	35	29%	88%		Palliative care	4	3%	38%
<b>Reduce the Burden of violence and injuries</b>	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	5%	38%
	Pre hospital Care	70	35%	0%		Comprehensive youth friendly services	10	4%	25%
	OPD/Accident and Emergency	58	44%	63%		General Operations	5	5%	38%
	Management for injuries	68	70%	100%		Specialized Therapies			
	Rehabilitation	60	9%	50%		Safe water	65	73%	100%
<b>Minimize exposure to health risk factors</b>	Health Promotion including health Education	71	81%	100%		Sanitation and hygiene	67	71%	100%
	Sexual education	55	68%	88%		Nutrition services	48	37%	88%
	Substance abuse	33	46%	63%		Pollution control	30	25%	38%
	Micronutrient deficiency control	43	37%	75%		Housing	22	19%	38%
	Physical activity	ND	ND	ND		School health	36	29%	38%
						Water and Sanitation Hygiene			
						Food fortification	10	3%	0%
						Population management	18	8%	13%
						Road infrastructure and Transport	8	0%	0%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
Embu										
Number	149	8	12	77	50	2	76	32	41	0
Percent	5%	8%	52%	34%	1%	4%	51.0%	21.5%	27.5%	0.0%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per Embu	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
Embu	149	30	70	1	41		29	5.23	0.47
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
Embu	149	22	48	22	37	8	3	3	2	2	2	0	4	3	2
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
Embu	14	7	8	9	8	3	12	12	1	19	5	5			54				23	8	8	14	81	2622	2966
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
Embu	2966	423	14.26%	29	227	10	0	0	1	10	146	2966
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Tota Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
Embu	582	234	40.21%	84	12	135	3	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Managemnt	HIV and STI prevention s	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Managemnt	Human Resource Managemnt	Financial Managemnt	Procurement / supply managemnt	Health Information managemnt
Embu	71	37	163	19	177	33	49	33	46	20	68	33	71
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

Availability of essential medicines for children												
	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Embu	54%	82%	9%	33%	63%	29%	81%	74%	88%	80%	5%	79%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
Embu	54%	63%	64%	63%	60%	71%	64%	3%	5%	1%	1%	7%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
Embu	26%	41%	36%	9%	31%	9%		14%	5%	43%	10%	23%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
Embu	41%	41%	5%	31%	29%	63%	33%	10%	54%	82%	42%	81%	74%	15%	11%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
Embu	22	52%	73%	23%	68%	73%	18%	73%	64%	41%	64%	23%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
Embu	99	43%	52%	31%	20%	42%	55%	46%	56%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
Embu	149	44%	88%	65%	23%	28%	84%	46%	7%	47%	8%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
Embu	149	26%	17%	13%	45%	24%	35%	15%	10%	64%	9%	33%	21%	25%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

Availability of general medicines			Percent of facilities with respective tracer items										
	Total number of facilities	Mean availability of tracer items	Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Embu	149	54%	82%	9%	33%	63%	29%	81%	74%	88%	80%	5%	79%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
Embu	64%	90%	75%	62%	61%	62%	74%	61%	0	52%	77%	82%	46%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	Embu	73%	81%	83%	84%	54%	83%	78%	51%	0
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	Embu	65%	75%	92%	78%	40%	87%	44%	43%	
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	Embu	77%	100%	86%	84%	61%	83%	78%	66%	
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	Embu	65%	88%	100%	84%	25%	89%	53%	29%	
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	Embu	52%	78%	92%	63%	25%	69%	43%	29%	
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	Embu	30%	60%	45%	32%	20%	38%	26%	20%	#DIV/0!
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	Embu	28%	54%	42%	32%	16%	36%	25%	16%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	Embu	54%	86%	46%	53%	51%	47%	71%	52%	
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
Embu	42%	22%	19%	21%	62%	68%	69%	33%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
Embu	27%	27%	63%	11%	12%	21%	58%	19%	11%	19%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
Embu	29%	37%	31%	27%	37%	21%	23%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

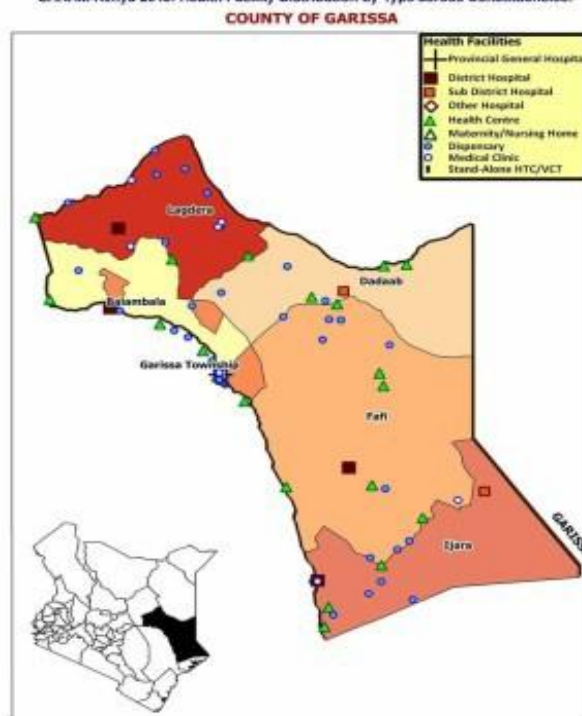
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
Embu	42%	63%	60%	14%	30%
National	36%	54%	49%	14%	26%

## GARISSA COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	705,627	43,726,652
Population female	326,302	21,990,837
Population male	379,325	21,735,815
Pregnant Women	27,141	1,893,895
Deliveries	26,939	1,879,796
EOC	202	14,098
live births	26,939	1,879,796
Population <1y	13,407	1,382,112
Population <5y	100,199	6,724,207
Population <15y	251,941	16,985,077
Population 15-24y	105,844	6,558,998
Population 25-59y	218,744	13,555,262
Households	123,774	8,344,425
Size (sq.km)	44175.0	581313.2
Poverty level	20.3	19.0
Percent of population urban	24	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	55%	100%	<b>Provide essential health services</b>	General Outpatient	77	85%	100%
	ChildHealth	70	67%	100%		Integrated MCH / Family Planning services	64	56%	100%
	Screeningforcommunicable conditions	58	63%	89%		Accident and Emergency	27	23%	78%
	Antenatal Care	68	62%	100%		Emergency life support	15	11%	56%
	PreventionofMothertoChildHIV Transmission	60	52%	100%		Maternity	35	30%	100%
	IntegratedVectorManagement	30	35%	56%		Newborn services	34	26%	78%
	Goodhygienepactices	76	85%	100%		Reproductive health	58	48%	100%
	HIVandSTIprevention	71	65%	100%		In Patient	14	13%	89%
	Porthealth	6	8%	11%		Clinical Laboratory	41	58%	100%
	Controland preventionneglected	29	30%	56%		Specialized laboratory	4	7%	22%
<b>Halt, and reverse the Rising burden of NCDs</b>	HealthPromotion&Educationfor NCD's	46	53	89	<b>Strengthen collaboration with health related sectors</b>	Imaging	2	2%	22%
	InstitutionalScreeningforNCD's	28	40	78		Pharmaceutical	40	56%	100%
	Rehabilitation	10	8	22		Blood safety	6	10%	44%
	WorkplaceHealth&Safety	58	68	89		Rehabilitation	10	8%	22%
<b>Reduce the Burden of violence and injuries</b>	Foodquality&Safety	35	30	89		Palliative care	4	2%	44%
	HealthPromotionandeducation on violence/injuries	63	ND	ND		Specialized clinics	6	6%	22%
	PrehospitalCare	70	30	33		Comprehensive youth friendly services	10	6%	0%
	OPD/AccidentandEmergency	58	41	67		General Operations	5	4%	44%
	Managementfor injuries	68	81	89		Specialized Therapies			
<b>Minimize exposure to healthrisk factors</b>	Rehabilitation	60	8	22		Safe water	65	65%	89%
	HealthPromotion includinghealth Education	71	72	100		Sanitation and hygiene	67	73%	100%
	Sexualeducation	55	43	100		Nutrition services	48	47%	100%
	Substanceabuse	33	28	62		Pollution control	30	38%	67%
	Micronutrientdeficiencycontrol	43	38	77		Housing	22	17%	33%
	Physicalactivity	ND	ND	ND		School health	36	38%	56%
						Water and Sanitation Hygiene			
						Food fortification	10	10%	22%
						Population management	18	19%	44%
						Road infrastructure and Transport	8	12%	22%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
Garissa										
Number	129	9	23	39	52	6	69	6	53	1
Percent	100%	7%	18%	30%	40%	5%	53.5%	4.7%	41.1%	0.8%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
Garissa	129	32	17	11	59		8	1.29	0.13
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

Service units availability																
County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
Garissa	129	20	29	13	21	4	2	2	0	2	2	0	1	3	0	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
Garissa	9	6	1	4		1	3				1	1	1			30	12	25	4		1	4	4	1142	1249
National	501	207	324	233	14	76	118	152	21	304	35	2	1	16	8	21	12	1807	198	249	11	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
Garissa	1142	94	7.53%	11	52	7	16	0	1	5	2	1249
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
Garissa	1249	59	4.72%	3	20	30	6	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Managem ent	HIV and STI prevention s	Non Communic able Diseases	Violence and Injuries	Medical Care	Health Leadershi p / Managem ent	Human Resource Managem ent	Financial Managem ent	Procurem ent / supply managem ent	Health Informatio n managem ent	Other
Garissa	65	109	133	65	142	16	3	21	30	11	47	48	45	507
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamici n injectable	Procaine benzylpenicil lin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspensi on
Garissa	58%	65%	29%	40%	49%	52%	85%	83%	82%	67%	10%	85%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
Garissa	58%	53%	52%	53%	37%	62%	51%	6%	7%	2%	8%	11%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
Garissa	33%	53%	37%	52%	32%	29%	49%	44%	14%	46%	21%	21%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
Garissa	45%	53%	14%	32%	52%	49%	40%	21%	48%	65%	45%	85%	83%	17%	29%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
Garissa	38	21%	34%	11%	34%	21%	21%	34%	24%	11%	13%	5%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
Garissa	79	24%	25%	16%	20%	25%	27%	29%	29%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine ) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
Garissa	129	46%	82%	65%	59%	40%	71%	12%	10%	57%	18%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
Garissa	129	30%	24%	23%	59%	26%	29%	24%	18%	60%	17%	32%	26%	24%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Garissa	129	58%	65%	29%	40%	49%	52%	85%	83%	82%	67%	10%	85%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
Garissa	58%	77%	59%	47%	61%	53%	79%	61%	90%	45%	64%	74%	47%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	Garissa	60%	83%	85%	63%	44%	73%	42%	45%	0%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	Garissa	65%	89%	78%	73%	50%	77%	50%	51%	0%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	Garissa	79%	100%	78%	74%	80%	77%	94%	79%	100%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	Garissa	56%	100%	87%	88%	15%	90%	67%	11%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	Garissa	51%	94%	77%	70%	21%	75%	67%	19%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	Garissa	34%	73%	48%	22%	31%	34%	60%	30%	100%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	Garissa	43%	78%	62%	46%	29%	52%	56%	32%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	Garissa	52%	79%	35%	28%	70%	34%	90%	69%	86%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
Garissa	32%	17%	14%	8%	53%	52%	50%	28%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
Garissa	28%	35%	53%	10%	9%	41%	52%	20%	14%	20%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
Garissa	30%	41%	29%	24%	36%	23%	25%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

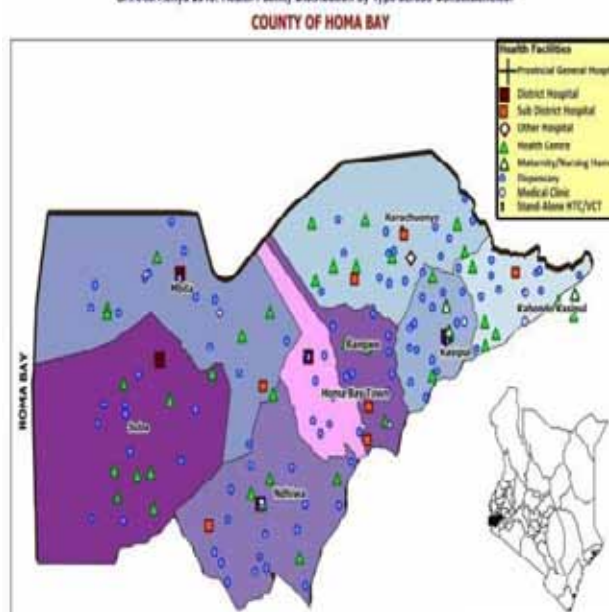
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
Garissa	29%	48%	45%	11%	11%
National	36%	54%	49%	14%	26%

## HOMABAY COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	1,091,515	43,726,652
Population female	567,777	21,990,837
Population male	523,738	21,735,815
Pregnant Women	42,075	1,893,895
Deliveries	41,762	1,879,796
EOC	313	14,098
live births	41,762	1,879,796
Population <1y	40,386	1,382,112
Population <5y	189,924	6,724,207
Population <15y	430,960	16,985,077
Population 15-24y	163,727	6,558,998
Population 25-59y	338,370	13,555,262
Households	211,722	8,344,425
Size (sq.km)	3183.3	581313.2
Poverty level	15.2	19.0
Percent of population urban	14	29.9

SARAH Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	91%	100%	<b>Provide essential health services</b>	General Outpatient	77	89%	100%
	Child Health	70	90%	100%		Integrated MCH / Family Planning services	64	83%	92%
	Screening for communicable conditions	58	77%	100%		Accident and Emergency	27	43%	92%
	Antenatal Care	68	91%	100%		Emergency life support	15	29%	85%
	Prevention of Mother to Child HIV Transmission	60	86%	100%		Maternity	35	76%	92%
	Integrated Vector Management	30	59%	92%		Newborn services	34	60%	92%
	Good hygiene practices	76	90%	100%		Reproductive health	58	78%	100%
	HIV and STI prevention	71	88%	92%		In Patient	14	31%	92%
	Port health	6	14%	23%		Clinical Laboratory	41	39%	85%
<b>Halt, and reverse the rising burden of NCDs</b>	Control and prevention neglected tropical diseases	29	56%	85%	<b>Strengthen collaboration with health related sectors</b>	Specialized laboratory	4	4%	31%
	Health Promotion & Education for NCD's	46	81	92		Imaging	2	1%	23%
	Institutional Screening for NCD's	28	59	85		Pharmaceutical	40	50%	77%
	Rehabilitation	10	25	54		Blood safety	6	9%	46%
	Workplace Health & Safety	58	77	100		Rehabilitation	10	25%	54%
<b>Reduce the burden of violence and injuries</b>	Food quality & Safety	35	60	92		Palliative care	4	13%	38%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	11%	38%
	Pre hospital Care	70	75	69		Comprehensive youth friendly services	10	25%	54%
	OPD/Accident and Emergency	58	74	100		General Operations	5	8%	38%
	Management for injuries	68	85	100		Specialized Therapies			
<b>Minimize exposure to health risk factors</b>	Rehabilitation	60	25	54		Safe water	65	91%	92%
	Health Promotion including health Education	71	92	100		Sanitation and hygiene	67	89%	100%
	Sexual education	55	86	100		Nutrition services	48	75%	92%
	Substance abuse	33	58	62		Pollution control	30	57%	100%
	Micronutrient deficiency control	43	60	77		Housing	22	53%	62%
	Physical activity	ND	ND	ND		School health	36	64%	85%
						Water and Sanitation Hygiene			
						Food fortification	10	20%	54%
						Population management	18	55%	69%
						Road infrastructure and Transport	8	11%	31%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
Homabay										
Number	180	13	40	99	23	5	121	42	13	4
Percent	100%	7%	22%	55%	13%	3%	67.2%	23.3%	7.2%	2.2%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
Homabay	180	4	12		2		4	0.38	0.07
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
Homabay	180	55	67	19	52	17	4	5	1	4	3	1	3	6	2	3
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
Homabay	17	2	4			2		2		1						16		21	1	3		1	41	1067	1178
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
Homabay	927	238	20.20%	13	200	12	0	0	8	3	2	1178
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
Homabay	1178	208	17.66%	59	11	136	2	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
Homabay	95	88	198	41	169	46	25	56	35	16	30	14	50	890
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Homabay	54%	75%	14%	27%	51%	43%	85%	78%	82%	68%	9%	80%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
Homabay	54%	79%	79%	78%	46%	77%	74%	5%	7%	3%	3%	5%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

Availability of maternal health tracer commodities	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
Homabay	32%	74%	42%	16%	38%	14%	51%	23%	6%	58%	15%	13%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

		Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities												
			Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms
Homabay	46%	74%	6%	38%	43%	51%	27%	15%	55%	75%	53%	85%	78%	31%	13%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
Homabay	59	70%	80%	44%	83%	83%	64%	78%	81%	69%	80%	41%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
Homabay	158	59%		57%	42%	62%	66%	62%	67%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine ) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
Homabay	180	55%	82%	76%	14%	83%	85%	68%	14%	59%	14%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
Homabay	180	20%	7%	10%	48%	18%	24%	13%	8%	57%	8%	21%	16%	15%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

Availability of general medicines			Percent of facilities with respective tracer items										
	Total number of facilities	Mean availability of tracer items	Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Homabay	180	54%	75%	14%	27%	51%	43%	85%	78%	82%	68%	9%	80%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
Homabay	60%	78%	61%	60%	49%	60%	64%	50%	50%	43%	77%	78%	41%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	Homabay	84%	100%	84%	86%	72%	88%	77%	82%	63%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	Homabay	78%	100%	93%	80%	41%	86%	72%	36%	50%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	Homabay	80%	92%	81%	86%	53%	86%	74%	60%	50%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	Homabay	91%	100%	100%	96%	59%	99%	81%	57%	75%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	Homabay	80%	96%	87%	83%	50%	86%	77%	46%	56%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	Homabay	37%	65%	43%	32%	32%	36%	41%	37%	25%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	Homabay	65%	79%	75%	67%	37%	69%	64%	36%	42%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	Homabay	47%	70%	48%	43%	47%	41%	59%	53%	46%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
Homabay	75%	75%	72%	66%	80%	74%	83%	77%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
Homabay	60%	64%	80%	33%	42%	75%	82%	54%	57%	55%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
Homabay	69%	73%	64%	64%	76%	64%	74%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

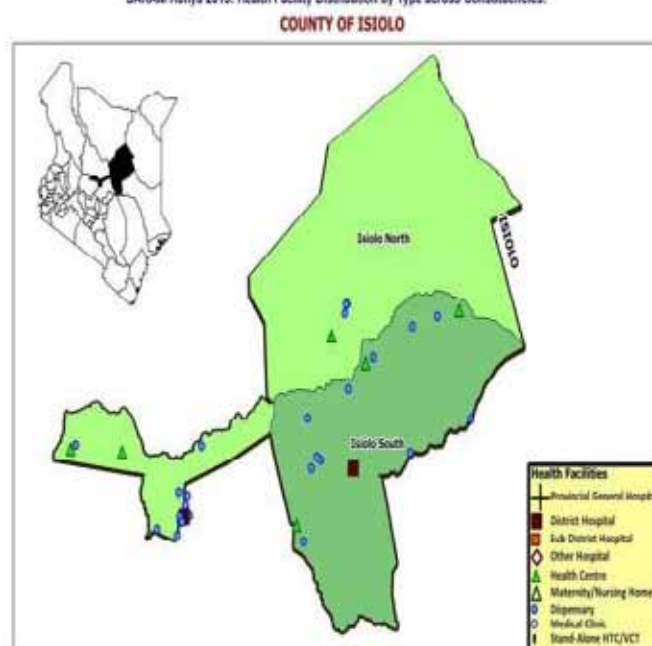
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
Homabay	61%	81%	78%	33%	51%
National	36%	54%	49%	14%	26%

## ISIOLO COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	162,283	43,726,652
Population female	78,823	21,990,837
Population male	83,460	21,735,815
Pregnant Women	7,800	1,893,895
Deliveries	7,742	1,879,796
EOC	58	14,098
live births	7,742	1,879,796
Population <1y	4,544	1,382,112
Population <5y	23,206	6,724,207
Population <15y	64,024	16,985,077
Population 15-24y	24,342	6,558,998
Population 25-59y	50,308	13,555,262
Households	31,454	8,344,425
Size (sq.km)	25336.1	581313.2
Poverty level	28.4	19.0
Percent of population urban	44	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	95%	100%	Provide essential health services	General Outpatient	77	95%	100%
	Child Health	70	98%	100%		Integrated MCH / Family Planning services	64	85%	100%
	Screening for communicable conditions	58	60%	100%		Accident and Emergency	27	18%	100%
	Antenatal Care	68	95%	100%		Emergency life support	15	18%	50%
	Prevention of Mother to Child HIV Transmission	60	90%	100%		Maternity	35	38%	100%
	Integrated Vector Management	30	35%	50%		Newborn services	34	40%	100%
	Good hygiene practices	76	83%	100%		Reproductive health	58	73%	100%
	HIV and STI prevention	71	98%	100%		In Patient	14	20%	100%
	Port health	6	5%	0%		Clinical Laboratory	41	45%	100%
Halt, and reverse the rising burden of NCDs	Control and prevention neglected tropical diseases	29	33%	0%		Specialized laboratory	4	3%	50%
	Health Promotion & Education for NCD's	46	45	100		Imaging	2	3%	50%
	Institutional Screening for NCD's	28	13	50		Pharmaceutical	40	60%	100%
	Rehabilitation	10	13	50		Blood safety	6	0%	50%
	Workplace Health & Safety	58	48	100		Rehabilitation	10	13%	50%
Reduce the burden of violence and injuries	Food quality & Safety	35	50	100		Palliative care	4	0%	50%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	0%	50%
	Pre hospital Care	70	18	50		Comprehensive youth friendly services	10	0%	50%
	OPD/Accident and Emergency	58	33	50		General Operations	5	0%	50%
	Management for injuries	68	63	100		Specialized Therapies			
Minimize exposure to health risk factors	Rehabilitation	60	13	50	Strengthen collaboration with health related sectors	Safe water	65	78%	100%
	Health Promotion including health Education	71	70	50		Sanitation and hygiene	67	73%	100%
	Sexual education	55	43	100		Nutrition services	48	73%	100%
	Substance abuse	33	25	100		Pollution control	30	13%	50%
	Micronutrient deficiency control	43	48	100		Housing	22	15%	100%
	Physical activity	ND	ND	ND		School health	36	38%	100%
						Water and Sanitation Hygiene			
						Food fortification	10	3%	0%
						Population management	18	3%	50%
						Road infrastructure and Transport	8	0%	0%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
Isiolo										
Number	41	26	9	5	1	63.4%	22.0%	12.2%	2.4%	4
Percent	100%	7%	22%	55%	13%	3%	67.2%	23.3%	7.2%	2.2%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
Isiolo	41	2	6				2	1.27	0.14
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
Isiolo	41	7	15	3	11	1	1	1	0	0	2	1	1	1	0	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
Isiolo	1	2	2	1	1	3	2	2	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
Isiolo	522	27	4.91%	12	9	6	0	0	0	0	0	550
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
Isiolo	550	9	1.64%		7	1	1	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
Isiolo	3	1	4	3	2				6	1	2	2	1
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Isiolo	63%	81%	12%	24%	64%	36%	100%	95%	93%	100%	17%	93%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
Isiolo	63%	90%	93%	93%	81%	90%	83%	2%	10%	2%	2%	2%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
Isiolo	36%	74%	55%	38%	57%	12%	64%	26%	14%	31%	7%	14%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
Isiolo	50%	74%	14%	57%	36%	64%	24%	7%	67%	81%	40%	100%	95%	26%	10%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
Isiolo	10	49%	60%	50%	60%	50%	50%	70%	50%	30%	30%	40%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
Isiolo	37	36%	16%	30%	30%	35%	51%	35%	54%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
Isiolo	41	62%	93%	79%	31%	81%	100%	76%	17%	67%	10%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
Isiolo	41	29%	12%	5%	62%	31%	31%	17%	19%	69%	12%	31%	21%	33%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Isiolo	41	63%	81%	12%	24%	64%	36%	100%	95%	93%	100%	17%	93%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
Isiolo	64%	67%	70%	60%	77%	60%	67%	81%	65%	47%	90%	76%	44%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	Isiolo	76%	67%	75%	80%	67%	81%	70%	70%	50%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	Isiolo	78%	100%	93%	80%	41%	86%	72%	36%	50%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	Isiolo	88%	78%	94%	88%	89%	87%	83%	100%	100%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	Isiolo	95%	100%	100%	96%	83%	100%	90%	80%	100%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	Isiolo	80%	96%	87%	83%	50%	86%	77%	46%	56%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	Isiolo	43%	73%	40%	41%	40%	46%	42%	36%	20%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	Isiolo	25%	56%	33%	17%	39%	31%	17%	20%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	Isiolo	49%	52%	43%	45%	74%	40%	60%	80%	43%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
Isiolo	60%	43%	36%	29%	79%	93%	90%	48%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
Isiolo	35%	29%	74%	17%	17%	57%	83%	14%	12%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
Isiolo	37%	43%	21%	26%	48%	31%	50%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

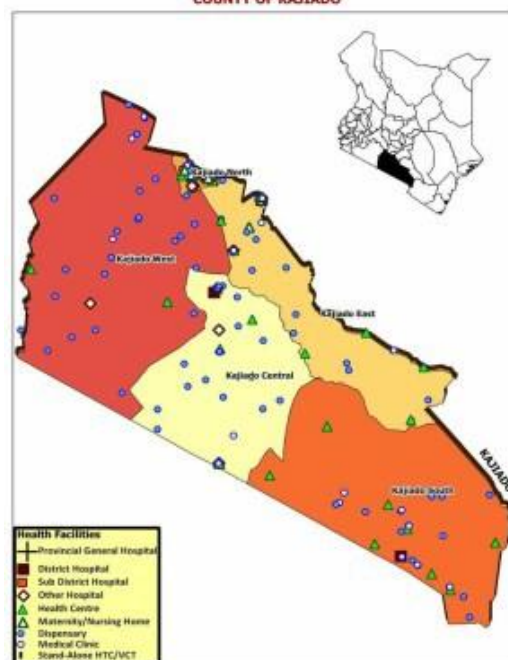
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
Isiolo	37%	76%	55%	10%	5%
National	36%	54%	49%	14%	26%

## KAJIADO COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	778,394	43,726,652
Population female	387,509	21,990,837
Population male	390,884	21,735,815
Pregnant Women	33,380	1,893,895
Deliveries	33,132	1,879,796
EOC	248	14,098
live births	33,132	1,879,796
Population <1y	26,465	1,382,112
Population <5y	126,100	6,724,207
Population <15y	320,967	16,985,077
Population 15-24y	116,759	6,558,998
Population 25-59y	241,302	13,555,262
Households	157,684	8,344,425
Size (sq.km)	21901.0	581313.2
Poverty level	2.5	19.0
Percent of population urban	41	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF KAJIADO



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	64%	48%	Provide essential health services	General Outpatient	77	84%	77%
	Child Health	70	69%	71%		Integrated MCH / Family Planning services	64	69%	58%
	Screening for communicable conditions	58	61%	58%		Accident and Emergency	27	31%	48%
	Antenatal Care	68	72%	65%		Emergency life support	15	16%	29%
	Prevention of Mother to Child HIV Transmission	60	58%	35%		Maternity	35	38%	35%
	Integrated Vector Management	30	33%	32%		Newborn services	34	36%	35%
	Good hygiene practices	76	82%	65%		Reproductive health	58	62%	71%
	HIV and STI prevention	71	77%	77%		In Patient	14	22%	42%
	Port health	6	10%	13%		Clinical Laboratory	41	43%	68%
Halt, and reverse the rising burden of NCDs	Control and prevention neglected tropical diseases	29	31%	35%		Specialized laboratory	4	5%	19%
	Health Promotion & Education for NCD's	46	40	48		Imaging	2	2%	19%
	Institutional Screening for NCD's	28	24	35		Pharmaceutical	40	41%	61%
	Rehabilitation	10	10	13		Blood safety	6	5%	23%
	Workplace Health & Safety	58	53	52		Rehabilitation	10	10%	13%
Reduce the burden of violence and injuries	Food quality & Safety	35	34	42		Palliative care	4	5%	6%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	6%	19%
	Pre hospital Care	70	33	39		Comprehensive youth friendly services	10	14%	19%
	OPD/Accident and Emergency	58	52	55		General Operations	5	4%	26%
	Management for injuries	68	75	74		Specialized Therapies			
Minimize exposure to health risk factors	Rehabilitation	60	10	13		Safe water	65	67%	35%
	Health Promotion including health Education	71	74	52	Strengthen collaboration with health related sectors	Sanitation and hygiene	67	69%	39%
	Sexual education	55	59	39		Nutrition services	48	62%	32%
	Substance abuse	33	47	23		Pollution control	30	38%	19%
	Micronutrient deficiency control	43	55	26		Housing	22	26%	13%
	Physical activity	ND	ND	ND		School health	36	39%	19%
						Water and Sanitation Hygiene			
						Food fortification	10	12%	6%
						Population management	18	27%	13%
						Road infrastructure and Transport	8	6%	6%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
Kajiado										
Number	224	30	31	79	70	14	78	40	102	4
Percent	100%	13%	14%	35%	31%	6%	34.8%	17.9%	45.5%	1.8%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
Kajiado	224	14	28	4	50		14	1.78	0.12
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
Kajiado	224	0	69	26	68	12	6	5	2	3	2	2	3	3	2	2
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
Kajiado	2	3	4	3				1		2		1				11	12					1	3	469	512
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
Kajiado	339	170	33.20%	1	34	0	0	0	0	0	135	512
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
Kajiado	512	41	8.01%	8	2	20	11	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement /supply management	Health Information management	Other
Kajiado	8	6	14		10		2	12	4		7		9	444
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

Availability of essential medicines for children												
	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Kajiado	53%	81%	16%	47%	54%	41%	80%	63%	75%	57%	4%	81%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
Kajiado	53%	53%	53%	53%	54%	69%	51%	8%	15%	3%	5%	8%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
Kajiado	31%	55%	36%	13%	17%	16%	54%	37%	11%	46%	25%	33%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
Kajiado	45%	55%	11%	17%	41%	54%	47%	25%	69%	81%	42%	80%	63%	18%	24%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (DAT + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
Kajiado	77	29%	38%	23%	42%	39%	17%	34%	32%	25%	30%	12%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
Kajiado	156	13%	17%	9%	7%	13%	15%	13%	15%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
Kajiado	224	49%	75%	68%	32%	64%	84%	38%	8%	54%	19%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
Kajiado	224	32%	23%	17%	58%	28%	43%	28%	19%	62%	16%	46%	25%	13%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Kajiado	224	53%	81%	16%	47%	54%	41%	80%	63%	75%	57%	4%	81%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
Kajiado	62%	69%	66%	57%	64%	56%	66%	65%	82%	52%	65%	81%	52%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	Kajiado	66%	55%	66%	77%	59%	79%	70%	55%	63%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	Kajiado	61%	58%	77%	73%	45%	76%	83%	42%	50%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	Kajiado	76%	77%	82%	79%	70%	83%	67%	74%	75%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	Kajiado	62%	52%	77%	80%	44%	92%	66%	38%	50%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	Kajiado	57%	49%	72%	69%	43%	79%	60%	39%	50%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	Kajiado	33%	41%	44%	25%	34%	27%	34%	37%	45%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	Kajiado	28%	34%	40%	22%	25%	27%	40%	24%	8%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	Kajiado	62%	76%	58%	51%	69%	47%	62%	73%	89%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
Kajiado	37%	24%	20%	22%	52%	53%	54%	33%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
Kajiado	30%	28%	46%	15%	11%	40%	44%	27%	27%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
Kajiado	30%	38%	24%	23%	36%	24%	34%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

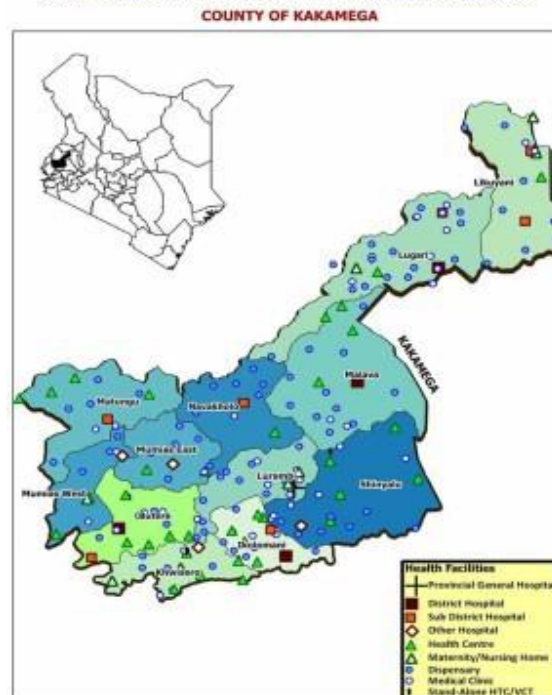
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
Kajiado	28%	43%	42%	13%	13%
National	36%	54%	49%	14%	26%

## KAKAMEGA COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	1,880,718	43,726,652
Population female	973,583	21,990,837
Population male	907,135	21,735,815
Pregnant Women	85,263	1,893,895
Deliveries	84,629	1,879,796
EOC	635	14,098
live births	84,629	1,879,796
Population <1y	67,706	1,382,112
Population <5y	329,126	6,724,207
Population <15y	759,632	16,985,077
Population 15-24y	282,108	6,558,998
Population 25-59y	583,023	13,555,262
Households	373,192	8,344,425
Size (sq.km)	3051.2	581313.2
Poverty level	17.4	19.0
Percent of population urban	15	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



## PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	72%	100%	<b>Provide essential health services</b>	General Outpatient	77	87%	94%
	Child Health	70	78%	100%		Integrated MCH / Family Planning services	64	79%	100%
	Screening for communicable conditions	58	67%	88%		Accident and Emergency	27	39%	81%
	Antenatal Care	68	82%	100%		Emergency life support	15	19%	38%
	Prevention of Mother to Child HIV Transmission	60	74%	88%		Maternity	35	3%	100%
	Integrated Vector Management	30	43%	63%		Newborn services	34	56%	88%
	Good hygiene practices	76	84%	100%		Reproductive health	58	77%	100%
	HIV and STI prevention	71	83%	94%		In Patient	14	20%	100%
	Port health	6	4%	0%		Clinical Laboratory	41	48%	100%
	Control and prevention neglected tropical diseases	29	31%	44%		Specialized laboratory	4	3%	19%
<b>Halt, and reverse the rising burden of NCDs</b>	Health Promotion & Education for NCD's	46	64	81	<b>Strengthen collaboration with health related sectors</b>	Imaging	2	1%	31%
	Institutional Screening for NCD's	28	43	69		Pharmaceutical	40	45%	100%
	Rehabilitation	10	14	44		Blood safety	6	6%	38%
	Workplace Health & Safety	58	68	94		Rehabilitation	10	14%	44%
	Food quality & Safety	35	40	88		Palliative care	4	1%	13%
<b>Reduce the burden of violence and injuries</b>	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	3%	38%
	Pre hospital Care	70	53	81		Comprehensive youth friendly services	10	12%	38%
	OPD/Accident and Emergency	58	60	88		General Operations	5	3%	38%
	Management for injuries	68	76	88		Specialized Therapies			
	Rehabilitation	60	14	44		Safe water	65	79%	88%
<b>Minimize exposure to health risk factors</b>	Health Promotion including health Education	71	86	94		Sanitation and hygiene	67	82%	81%
	Sexual education	55	77	81		Nutrition services	48	57%	75%
	Substance abuse	33	43	50		Pollution control	30	34%	44%
	Micronutrient deficiency control	43	53	69		Housing	22	21%	50%
	Physical activity	ND	ND	ND		School health	36	41%	56%
						Water and Sanitation Hygiene			
						Food fortification	10	9%	31%
						Population management	18	29%	56%
						Road infrastructure and Transport	8	10%	6%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
Kakamega										
Number	229	16	37	96	67	13	120	35	69	5
Percent	100%	7%	16%	42%	29%	6%	52.4%	15.3%	30.1%	2.2%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
Kakamega	229	7	18	8	32		7	0.41	0.08
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
Kakamega	229	47	73	20	51	15	4	2	2	5	5	3	3	7	4	3
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

Health Workforce																									
	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
Kakamega	10	3	7	5	3	6	13	21	9	3	3	1	37	30	6	3	1	5	61	1956	1728	59708	2159		
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	61	1956	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
Kakamega	1868	250	11.58%	26	185	3	0	0	0	19	17	2159
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
Kakamega	2159	193	8.94%	29	60	91	13	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrate d vector Management	HIV and STI preventio ns	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Manage ment	Human Resource Manage ment	Financial Manage ment	Procurem ent / supply manage ment	Health Informati on manage ment
Kakamega	58	38	196	37	139	9	22	17	23	5	22	7	16
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children									
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenic illin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab
Kakamega	52%	64%	14%	28%	61%	43%	82%	64%	85%	71%	6%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
Kakamega	52%	62%	62%	61%	37%	66%	60%	3%	9%	2%	2%	6%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
Kakamega	30%	68%	34%	25%	35%	14%	61%	28%	12%	37%	11%	11%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
Kakamega	43%	68%	12%	35%	43%	61%	28%	11%	59%	64%	36%	82%	64%	21%	17%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
Kakamega	67	60%	76%	33%	76%	72%	60%	73%	69%	54%	58%	30%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities					
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
Kakamega	165	36%	35%	18%	21%	42%	41%	53%
National	5840	41%	47%	37%	31%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
Kakamega	229	50%	85%	76%	23%	70%	76%	54%	8%	50%	8%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
Kakamega	229	22%	11%	13%	55%	16%	26%	14%	7%	55%	6%	21%	17%	22%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Kakamega	229	52%	64%	14%	28%	61%	43%	82%	64%	85%	71%	6%	80%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
Kakamega	57%	79%	62%	53%	54%	58%	57%	55%	40%	43%	76%	73%	36%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	Kakamega	80%	81%	81%	84%	75%	82%	92%	72%	80%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	Kakamega	69%	88%	92%	80%	41%	89%	54%	43%	40%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	Kakamega	81%	100%	92%	82%	70%	86%	77%	73%	73%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	Kakamega	74%	100%	97%	94%	33%	98%	73%	34%	60%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	Kakamega	68%	91%	91%	78%	39%	84%	63%	42%	65%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	Kakamega	38%	69%	47%	34%	31%	41%	35%	35%	12%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	Kakamega	49%	71%	68%	55%	30%	62%	46%	31%	27%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	Kakamega	42%	79%	36%	33%	50%	34%	50%	53%	34%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
Kakamega	56%	42%	44%	45%	71%	69%	74%	46%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
Kakamega	39%	36%	70%	19%	19%	55%	72%	25%	24%	31%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
Kakamega	52%	63%	40%	37%	57%	50%	63%
National	37%	47%	34%	32%	41%	31%	38%

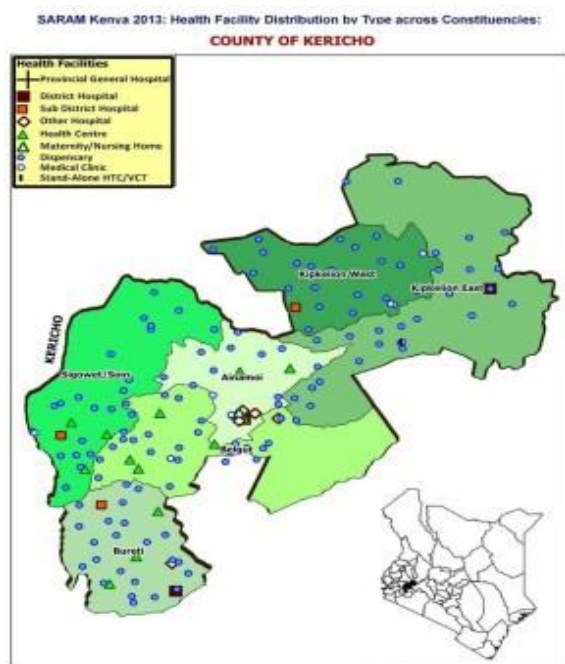
### Health governance readiness

County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
Kakamega	41%	62%	57%	10%	34%
National	36%	54%	49%	14%	26%

## KERICHO COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	858,833	43,726,652
Population female	426,234	21,990,837
Population male	432,599	21,735,815
Pregnant Women	41,035	1,893,895
Deliveries	40,730	1,879,796
EOC	305	14,098
live births	40,730	1,879,796
Population <1y	29,200	1,382,112
Population <5y	139,131	6,724,207
Population <15y	346,435	16,985,077
Population 15-24y	128,825	6,558,998
Population 25-59y	266,238	13,555,262
Households	170,197	8,344,425
Size (sq.km)	2479.0	581313.2
Poverty level	11.5	19.0
Percent of population urban	28	29.9



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County - Primar	County- Hospital s			National	County - Primar	County- Hospital s
<b>Eliminate Communicable Conditions</b>	Immunization	63	91%	100%	<b>Provide essential health services</b>	General Outpatient	77	87%	100%
	Child Health	70	89%	100%		Integrated MCH / Family Planning services	64	80%	100%
	Screening for communicable conditions	58	71%	100%		Accident and Emergency	27	29%	73%
	Antenatal Care	68	91%	100%		Emergency life support	15	23%	64%
	Prevention of Mother to Child HIV Transmission	60	88%	100%		Maternity	35	32%	100%
	Integrated Vector Management	30	50%	82%		Newborn services	34	38%	82%
	Good hygiene practices	76	87%	100%		Reproductive health	58	66%	82%
	HIV and STI prevention	71	87%	100%		In Patient	14	13%	100%
	Port health	6	9%	18%		Clinical Laboratory	41	31%	100%
<b>Halt, and reverse the rising burden of NCDs</b>	Control and prevention neglected tropical diseases	29	42%	55%		Specialized laboratory	4	3%	27%
	Health Promotion & Education for NCD's	46	50	91		Imaging	2	1%	64%
	Institutional Screening for NCD's	28	32	82		Pharmaceutical	40	44%	91%
	Rehabilitation	10	21	55		Blood safety	6	7%	64%
	Workplace Health & Safety	58	66	100		Rehabilitation	10	21%	55%
<b>Reduce the burden of violence and injuries</b>	Food quality & Safety	35	50	91		Palliative care	4	4%	27%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	3%	36%
	Pre hospital Care	70	44	55		Comprehensive youth friendly services	10	8%	18%
	OPD/Accident and Emergency	58	55	100		General Operations	5	1%	64%
	Management for injuries	68	75	100	<b>Strengthen collaboration with health related sectors</b>	Specialized Therapies			
<b>Minimize exposure to health risk factors</b>	Rehabilitation	60	21	55		Safe water	65	79%	100%
	Health Promotion including health Education	71	82	91		Sanitation and hygiene	67	77%	100%
	Sexual education	55	67	64		Nutrition services	48	57%	91%
	Substance abuse	33	40	73		Pollution control	30	37%	82%
	Micronutrient deficiency control	43	50	73		Housing	22	37%	91%
	Physical activity	ND	ND	ND		School health	36	60%	64%
						Water and Sanitation Hygiene			
						Food fortification	10	23%	27%
						Population management	18	35%	55%
						Road infrastructure and Transport	8	20%	55%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
Kericho										
Number	174	11	12	133	16	2	132	24	15	3
Percent	100%	6%	7%	76%	9%	1%	75.9%	13.8%	8.6%	1.7%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
Kericho	174	18	23		9		18	2.12	0.13
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
Kericho	174	0	55	15	40	8	6	4	4	4	5	2	3	5	3	3
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health Specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
Kericho	10	1	5	3			3	1		5		1				22		29	7	2	2	2	37	944	1074
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
Kericho	708	365	33.99%	10	341	3	0	1	3	0	7	1074
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
Kericho	1074	347	32.31%	129	36	176	6	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrate d vector Manage ment	HIV and STI preventio ns	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Manage ment	Human Resource Manage ment	Financial Manage ment	Procurem ent / supply manage ment	Health Informati on manage ment	Other
Kericho	47	44	86	33	62	41	39	64	28	13	38	29	14	907
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Kericho	56%	86%	10%	25%	36%	46%	87%	78%	91%	68%	18%	87%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
Kericho	56%	84%	82%	77%	44%	85%	79%	5%	7%	2%	4%	4%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone one or Dexamethasone injectable	Nifedipine cap/tab
Kericho	25%	75%	26%	16%	20%	10%	36%	15%	9%	41%	14%	13%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
Kericho	44%	75%	9%	20%	46%	36%	25%	14%	61%	86%	47%	87%	78%	25%	11%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
Kericho	25	62%	68%	48%	76%	72%	56%	72%	72%	56%	64%	40%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
Kericho	158	23%	23%	18%	18%	25%	25%	23%	30%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
Kericho	174	51%	91%	72%	24%	52%	84%	53%	16%	55%	16%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
Kericho	174	23%	10%	7%	60%	15%	21%	12%	10%	70%	15%	24%	16%	16%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Kericho	174	56%	86%	10%	25%	36%	46%	87%	78%	91%	68%	18%	87%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
Kericho	58%	86%	60%	57%	48%	57%	66%	62%	32%	49%	66%	77%	40%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	Kericho	76%	82%	75%	77%	67%	74%	79%	87%	83%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	Kericho	73%	100%	83%	74%	44%	76%	67%	60%	67%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	Kericho	84%	94%	78%	88%	54%	89%	75%	71%	22%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	Kericho	92%	100%	92%	98%	44%	97%	83%	67%	67%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	Kericho	70%	93%	79%	71%	43%	74%	60%	60%	42%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	Kericho	38%	69%	47%	34%	31%	41%	35%	35%	12%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	Kericho	49%	71%	68%	55%	30%	62%	46%	31%	27%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	Kericho	51%	82%	35%	49%	54%	47%	65%	62%	29%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
Kericho	43%	19%	14%	22%	67%	63%	76%	40%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
Kericho	38%	43%	76%	21%	21%	36%	56%	36%	26%	29%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
Kericho	45%	62%	47%	46%	47%	24%	41%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

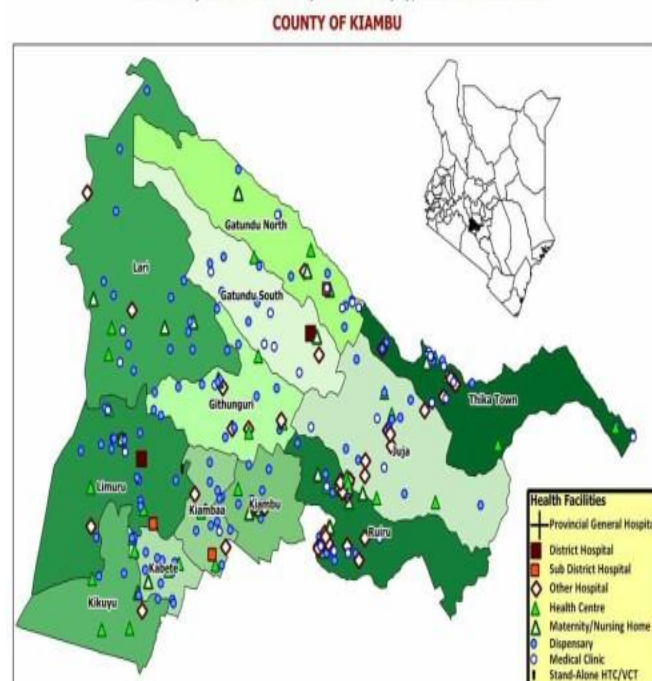
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
Kericho	43%	72%	66%	16%	19%
National	36%	54%	49%	14%	26%

## KIAMBU COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	1,838,397	43,726,652
Population female	929,427	21,990,837
Population male	908,970	21,735,815
Pregnant Women	59,191	1,893,895
Deliveries	58,750	1,879,796
EOC	441	14,098
live births	58,750	1,879,796
Population <1y	45,960	1,382,112
Population <5y	224,284	6,724,207
Population <15y	672,128	16,985,077
Population 15-24y	275,760	6,558,998
Population 25-59y	569,903	13,555,262
Households	330,203	8,344,425
Size (sq.km)	2543.0	581313.2
Poverty level	6.5	19.0
Percent of population urban	61	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County - Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	61%	57%	<b>Provide essential health services</b>	General Outpatient	77	79%	87%
	Child Health	70	72%	68%		Integrated MCH / Family Planning services	64	63%	72%
	Screening for communicable conditions	58	60%	58%		Accident and Emergency	27	33%	49%
	Antenatal Care	68	68%	66%		Emergency life support	15	13%	30%
	Prevention of Mother to Child HIV Transmission	60	54%	42%		Maternity	35	29%	47%
	Integrated Vector Management	30	28%	34%		Newborn services	34	28%	47%
	Good hygiene practices	76	84%	81%		Reproductive health	58	57%	79%
	HIV and STI prevention	71	75%	79%		In Patient	14	17%	40%
	Port health	6	13%	15%		Clinical Laboratory	41	44%	58%
<b>Halt, and reverse the Rising burden Of NCDs</b>	Control and prevention neglected tropical diseases	29	35%	34%		Specialized laboratory	4	8%	15%
	Health Promotion & Education for NCD's	46	55	51		Imaging	2	4%	25%
	Institutional Screening for NCD's	28	34	38		Pharmaceutical	40	36%	47%
	Rehabilitation	10	13	23		Blood safety	6	7%	21%
	Workplace Health & Safety	58	64	66		Rehabilitation	10	13%	23%
<b>Reduce the burden of Violence and injuries</b>	Food quality & Safety	35	43	45		Palliative care	4	5%	19%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	8%	25%
	Pre hospital Care	70	39	49		Comprehensive youth friendly services	10	13%	19%
	OPD/Accident and Emergency	58	51	68		General Operations	5	6%	26%
	Management for injuries	68	75	81	<b>Strengthen collaboration with health related sectors</b>	Specialized Therapies			
<b>Minimize Exposure to health risk factors</b>	Rehabilitation	60	13	23		Safe water	65	69%	74%
	Health Promotion including health Education	71	79	81		Sanitation and hygiene	67	69%	75%
	Sexual education	55	62	62		Nutrition services	48	53%	60%
	Substance abuse	33	45	53		Pollution control	30	31%	43%
	Micronutrient deficiency control	43	46	58		Housing	22	25%	36%
	Physical activity	ND	ND	ND		School health	36	29%	30%
						Water and Sanitation Hygiene		15%	21%
						Food fortification	10	17%	21%
						Population management	18	10%	19%
						Road infrastructure and Transport	8		

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
Kiambu										
Number	346	52	40	140	84	30	88	87	169	2
Percent	100%	15%	12%	40%	24%	9%	25.4%	25.1%	48.8%	0.6%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
Kiambu	346	27	56		31		25	1.51	0.16
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
Kiambu	346	74	134	52	98	24	10	10	7	7	6	5	10	11	7	5
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anesthesiologist	Public Health specialist	Dental	Critical Care Nursing (CCU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
Kiambu	41	9	18	13		5	2	3		11	3	8		3		93		60	7	5	3	10	145	3583	4022
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
Kiambu	3360	628	15.61%	19	302	1	0	0	1	15	290	4022
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
Kiambu	4022	357	8.88%	114	34	179	26	4
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
Kiambu	57	41	190	10	106	10	4	18	14	2	94	73	22	3060
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

Availability of essential medicines for children												
	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicilin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Kiambu	55%	77%	18%	52%	71%	46%	78%	63%	77%	69%	11%	76%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
Kiambu	55%	56%	56%	56%	50%	68%	55%	7%	8%	3%	5%	6%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
Kiambu	36%	52%	34%	22%	28%	18%	71%	27%	15%	59%	27%	38%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities												
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms
Kiambu	48%	52%	15%	28%	46%	71%	52%	27%	63%	77%	42%	78%	63%	32%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
Kiambu	123	33%	39%	24%	42%	41%	28%	39%	36%	28%	34%	17%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
Kiambu	123	26%	33%	24%	15%	25%	27%	27%	30%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
Kiambu	346	36%	77%	33%	30%	26%	78%	18%	9%	39%	16%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities										
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab
Kiambu	346	37%	35%	21%	50%	40%	54%	34%	17%	55%	17%	55%	39%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
Kiambu	346	55%	77%	18%	52%	71%	46%	78%	63%	77%	69%	11%	76%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
Kiambu	67%	75%	72%	65%	64%	66%	68%	67%	27%	58%	77%	77%	55%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	Kiambu	66%	62%	63%	70%	63%	69%	70%	62%	33%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	Kiambu	61%	58%	80%	66%	48%	82%	61%	49%	33%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	Kiambu	64%	75%	80%	60%	57%	71%	60%	62%	56%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	Kiambu	60%	57%	78%	70%	44%	89%	67%	43%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	Kiambu	55%	58%	68%	58%	45%	70%	57%	46%	25%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	Kiambu	40%	58%	54%	32%	37%	43%	39%	39%	47%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	Kiambu	38%	38%	63%	37%	31%	55%	43%	27%	22%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	Kiambu	64%	71%	66%	58%	66%	48%	68%	70%	52%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
Kiambu	37%	22%	21%	20%	53%	55%	61%	29%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
Kiambu	27%	26%	42%	16%	14%	19%	49%	25%	24%	29%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
Kiambu	26%	33%	26%	25%	30%	17%	27%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

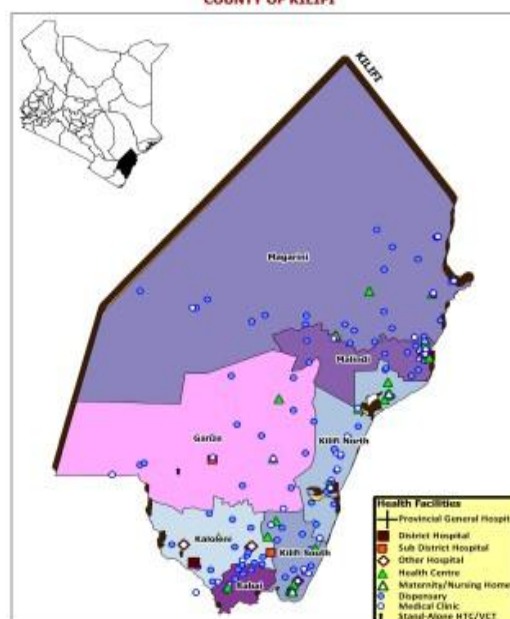
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
Kiambu	28%	38%	35%	13%	26%
National	36%	54%	49%	14%	26%

## KILIFI COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	1,256,796	43,726,652
Population female	650,302	21,990,837
Population male	606,493	21,735,815
Pregnant Women	49,431	1,893,895
Deliveries	49,063	1,879,796
EOC	368	14,098
live births	49,063	1,879,796
Population <1y	43,988	1,382,112
Population <5y	203,601	6,724,207
Population <15y	506,603	16,985,077
Population 15-24y	188,519	6,558,998
Population 25-59y	389,607	13,555,262
Households	248,884	8,344,425
Size (sq.km)	12609.7	581313.2
Poverty level	25.8	19.0
Percent of population urban	26	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF KILIFI



Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	50%	82%	Provide essential health services	General Outpatient	77	78%	91%
	Child Health	70	67%	82%		Integrated MCH / Family Planning services	64	63%	100%
	Screening for communicable conditions	58	54%	82%		Accident and Emergency	27	35%	91%
	Antenatal Care	68	65%	100%		Emergency life support	15	16%	64%
	Prevention of Mother to Child HIV Transmission	60	56%	91%		Maternity	35	47%	82%
	Integrated Vector Management	30	24%	45%		Newborn services	34	38%	91%
	Good hygiene practices	76	76%	100%		Reproductive health	58	58%	73%
	HIV and STI prevention	71	64%	100%		In Patient	14	10%	73%
	Port health	6	6%	9%		Clinical Laboratory	41	37%	91%
Halt, and reverse the Rising burden Of NCDs	Control and prevention neglected tropical diseases	29	18%	45%		Specialized laboratory	4	2%	45%
	Health Promotion & Education for NCD's	46	38	51		Imaging	2	1%	55%
	Institutional Screening for NCD's	28	26	38		Pharmaceutical	40	35%	82%
	Rehabilitation	10	6	23		Blood safety	6	5%	55%
	Workplace Health & Safety	58	52	66		Rehabilitation	10	6%	36%
Reduce the burden of Violence and injuries	Food quality & Safety	35	21	45		Palliative care	4	5%	36%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	4%	36%
	Pre hospital Care	70	32	49		Comprehensive youth friendly services	10	11%	18%
	OPD/Accident and Emergency	58	45	68		General Operations	5	4%	55%
	Management for injuries	68	61	81	Strengthen collaboration with health related sectors	Specialized Therapies			
Minimize Exposure to health risk factors	Rehabilitation	60	6	23		Safe water	65	55%	100%
	Health Promotion including health Education	71	66	100		Sanitation and hygiene	67	59%	91%
	Sexual education	55	46	82		Nutrition services	48	39%	55%
	Substance abuse	33	14	55		Pollution control	30	18%	0%
	Micronutrient deficiency control	43	32	64		Housing	22	12%	27%
	Physical activity	ND	ND	ND		School health	36	31%	36%
						Water and Sanitation Hygiene			
						Food fortification	10	5%	0%
						Population management	18	5%	0%
						Road infrastructure and Transport	8	4%	27%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
KILIFI										
Number	199	11	15	80	89	4	87	23	82	7
Percent	100%	6%	8%	40%	45%	2%	43.7%	11.6%	41.2%	3.5%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
KILIFI	199	20	32	20	77		14	1.13	0.14
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Ward s	Physiotherapy	Mortuary
KILIFI	199	52	63	26	57	12	5	3	3	3	3	2	4	5	3	3
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
KILIFI	1	2	7	1		3	2		4							20		58	2		1	2	53	1036	1192
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
KILIFI	985	179	15.02%	9	134	5	0	0	0	15	16	1192
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
KILIFI	1192	152	12.75%	37	49	57	9	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Managemen t	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Managemen t	Human Resource Managemen t	Financial Managemen t	Procurement / supply managemen t	Health Information managemen t
KILIFI	98	59	117	7	79	7	6	21	70	5	15	7	8
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KILIFI	47%	70%	13%	37%	61%	37%	69%	56%	72%	55%	5%	72%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
KILIFI	47%	48%	48%	49%	42%	60%	47%	0%	4%	1%	3%	2%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
KILIFI	28%	52%	31%	16%	25%	13%	61%	26%	8%	39%	15%	19%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

		Percent of facilities with respective tracer items for life saving commodities													
	Mean availability of tracer items	Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
KILIFI	41%	52%	8%	25%	37%	61%	37%	15%	52%	70%	44%	69%	56%	23%	20%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
KILIFI	30	58%	67%	23%	77%	73%	57%	70%	67%	60%	67%	20%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
KILIFI	116	35%	25%	31%	25%	36%	47%	38%	42%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

Availability of malaria commodities	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine ) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
KILIFI	199	45%	72%	61%	22%	64%	75%	34%	9%	53%	16%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
KILIFI	199	24%	18%	13%	53%	18%	39%	19%	14%	45%	8%	32%	13%	19%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KILIFI	199	47%	70%	13%	37%	61%	37%	69%	56%	72%	55%	5%	72%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
KILIFI	58%	86%	73%	57%	53%	60%	73%	55%	37%	50%	68%	73%	40%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	KILIFI	62%	59%	70%	69%	56%	71%	65%	53%	69%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	KILIFI	52%	82%	93%	67%	34%	76%	65%	32%	31%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	KILIFI	69%	94%	96%	78%	56%	83%	67%	59%	44%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	KILIFI	55%	82%	93%	87%	24%	90%	78%	23%	23%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	KILIFI	48%	77%	83%	76%	21%	81%	58%	20%	25%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	KILIFI	32%	62%	55%	35%	25%	40%	31%	27%	18%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	KILIFI	28%	30%	49%	38%	17%	42%	39%	14%	21%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	KILIFI	48%	84%	54%	44%	47%	46%	65%	49%	33%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
KILIFI	41%	23%	25%	20%	55%	61%	68%	34%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
KILIFI	32%	33%	48%	14%	15%	43%	56%	26%	31%	26%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
KILIFI	34%	42%	29%	27%	41%	24%	41%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

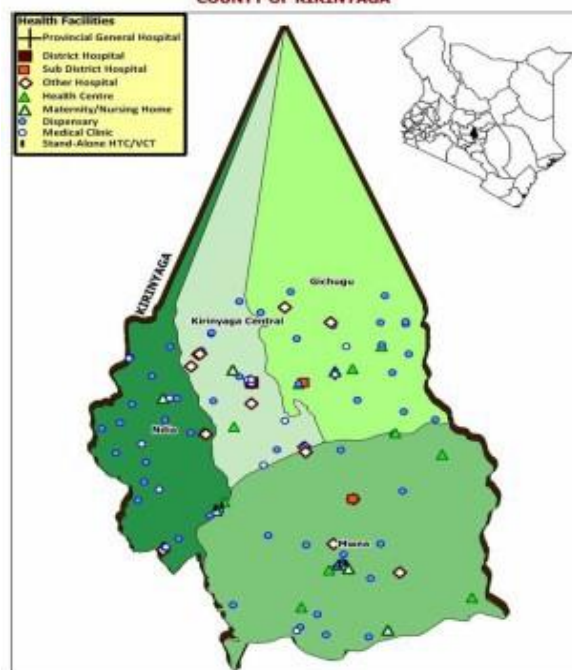
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
KILIFI	32%	43%	41%	10%	34%
National	36%	54%	49%	14%	26%

## KIRINYAGA COUNTY

### DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	598,031	43,726,652
Population female	302,863	21,990,837
Population male	295,168	21,735,815
Pregnant Women	19,825	1,893,895
Deliveries	19,677	1,879,796
EOC	148	14,098
live births	19,677	1,879,796
Population <1y	14,951	1,382,112
Population <5y	72,960	6,724,207
Population <15y	231,994	16,985,077
Population 15-24y	89,705	6,558,998
Population 25-59y	185,390	13,555,262
Households	113,974	8,344,425
Size (sq.km)	1479.1	581,313.2
Poverty level	25.9	19.0
Percent of population urban	16	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF KIRINYAGA



Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	50%	23%	<b>Provide essential health services</b>	General Outpatient	77	73%	45%
	Child Health	70	67%	36%		Integrated MCH / Family Planning services	64	62%	45%
	Screening for communicable conditions	58	54%	36%		Accident and Emergency	27	26%	27%
	Antenatal Care	68	65%	50%		Emergency life support	15	11%	14%
	Prevention of Mother to Child HIV Transmission	60	56%	32%		Maternity	35	24%	18%
	Integrated Vector Management	30	24%	18%		Newborn services	34	21%	27%
	Good hygiene practices	76	76%	50%		Reproductive health	58	57%	36%
	HIV and STI prevention	71	64%	64%		In Patient	14	17%	27%
	Port health	6	6%	5%		Clinical Laboratory	41	54%	59%
<b>Halt, and reverse the Rising burden of NCDs</b>	Control and prevention neglected tropical diseases	29	18%	14%		Specialized laboratory	4	3%	5%
	Health Promotion & Education for NCD's	46	37	23		Imaging	2	4%	9%
	Institutional Screening for NCD's	28	19	18		Pharmaceutical	40	36%	27%
	Rehabilitation	10	6	27		Blood safety	6	8%	18%
	Workplace Health & Safety	58	50	32		Rehabilitation	10	6%	27%
<b>Reduce the burden of Violence and injuries</b>	Food quality & Safety	35	25	23		Palliative care	4	4%	5%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	10%	18%
	Pre hospital Care	70	27	23		Comprehensive youth friendly services	10	7%	23%
	OPD/Accident and Emergency Management for injuries	58	49	36		General Operations	5	7%	23%
	Rehabilitation	60	6	27	<b>Strengthen collaboration with health related sectors</b>	Specialized Therapies			
<b>Minimize Exposure to health risk factors</b>	Health Promotion including health Education	71	76	68		Safe water	65	66%	45%
	Sexual education	55	51	55		Sanitation and hygiene	67	61%	41%
	Substance abuse	33	39	50		Nutrition services	48	39%	32%
	Micronutrient deficiency control	43	33	36		Pollution control	30	25%	18%
	Physical activity	ND	ND	ND		Housing	22	18%	18%
						School health	36	39%	27%
						Water and Sanitation Hygeine			
						Food fortification	10	7%	14%
						Population management	18	19%	14%
						Road infrastructure and Transport	8	8%	14%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
KIRINYAGA										
Number	142	22	11	61	39	9	50	37	55	0
Percent	100%	15%	8%	43%	27%	6%	35.2%	26.1%	38.7%	0.0%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
KIRINYAGA	142	8	7	1	3		7	1.23	0.05
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
KIRINYAGA	142	22	44	21	38	7	3	3	1	2	1	0	1	2	1	2
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
KIRINYAGA	1	1	2	1		1				2						22		13			1		11	1135	1190
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
KIRINYAGA	1120	68	5.71%	2	42	1	0	0	0	2	21	1190
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
KIRINYAGA	1190	52	4.37%	15	2	29	5	1
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
KIRINYAGA	6	7	19		20	1				4	1		2	550
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KIRINYAGA	42%	71%	11%	25%	44%	26%	71%	49%	61%	53%	7%	64%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
KIRINYAGA	42%	42%	43%	43%	30%	55%	41%	3%	5%	1%	2%	6%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone one or Dexamethasone injectable	Nifedipine cap/tab
KIRINYAGA	23%	33%	30%	11%	23%	11%	44%	13%	9%	48%	8%	19%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
KIRINYAGA	34%	33%	9%	23%	26%	44%	25%	8%	50%	71%	32%	71%	49%	32%	8%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
KIRINYAGA	42	33%	36%	19%	40%	40%	33%	38%	40%	29%	38%	17%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
KIRINYAGA	103	36%	42%	34%	20%	43%	43%	40%	43%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
KIRINYAGA	142	35%	61%	44%	28%	48%	70%	32%	7%	17%	10%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
KIRINYAGA	142	22%	18%	13%	30%	24%	35%	19%	6%	50%	11%	29%	21%	11%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KIRINYAGA	142	42%	71%	11%	25%	44%	26%	71%	49%	61%	53%	7%	64%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
KIRINYAGA	59%	50%	76%	63%	53%	66%	59%	51%	0	50%	68%	73%	40%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	KIRINYAGA	65%	57%	59%	71%	64%	70%	69%	59%	0
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	KIRINYAGA	50%	36%	82%	69%	25%	82%	46%	24%	
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	KIRINYAGA	57%	35%	76%	69%	48%	75%	57%	41%	
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	KIRINYAGA	44%	23%	91%	77%	2%	94%	41%	2%	
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	KIRINYAGA	41%	30%	80%	58%	16%	70%	41%	15%	
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	KIRINYAGA	23%	20%	53%	22%	20%	34%	16%	19%	#DIV/0!
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	KIRINYAGA	22%	17%	48%	25%	14%	35%	14%	14%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	KIRINYAGA	46%	32%	57%	48%	47%	46%	53%	41%	
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
KIRINYAGA	37%	27%	28%	27%	46%	51%	54%	29%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
KIRINYAGA	26%	25%	48%	8%	18%	23%	42%	21%	21%	25%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
KIRINYAGA	29%	33%	29%	29%	35%	20%	30%
National	37%	47%	34%	32%	41%	31%	38%

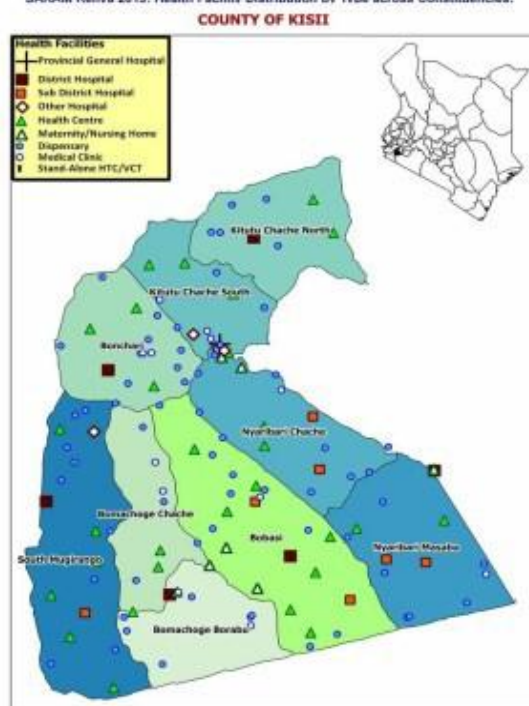
### Health governance readiness

County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
KIRINYAGA	32%	44%	40%	14%	30%
National	36%	54%	49%	14%	26%

## DEMOGRAPHICS (2013 estimates)

Variable	County Value	National value
Total Population	1,304,981	43,726,652
Population female	681,570	21,990,837
Population male	623,411	21,735,815
Pregnant Women	52,588	1,893,895
Deliveries	52,197	1,879,796
EOC	391	14,098
live births	52,197	1,879,796
Population <1y	48,284	1,382,112
Population <5y	227,067	6,724,207
Population <15y	516,485	16,985,077
Population 15-24y	195,747	6,558,998
Population 25-59y	404,544	13,555,262
Households	253,739	8,344,425
Size (sq.km)	1317.5	581313.2
Poverty level	21.7	19.0
Percent of population urban	22	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies



## PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County - Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	93%	100%	Provide essential health services	General Outpatient	77	89%	100%
	Child Health	70	93%	100%		Integrated MCH / Family Planning services	64	85%	94%
	Screening for communicable conditions	58	80%	100%		Accident and Emergency	27	37%	67%
	Antenatal Care	68	94%	100%		Emergency life support	15	25%	78%
	Prevention of Mother to Child HIV Transmission	60	93%	100%		Maternity	35	72%	100%
	Integrated Vector Management	30	57%	67%		Newborn services	34	54%	67%
	Good hygiene practices	76	92%	94%		Reproductive health	58	80%	94%
	HIV and STI prevention	71	89%	100%		In Patient	14	25%	100%
	Port health	6	14%	11%		Clinical Laboratory	41	59%	100%
	Control and prevention neglected tropical diseases	29	48%	67%		Specialized laboratory	4	6%	33%
Halt, and reverse the Rising burden of NCDs	Health Promotion & Education for NCD's	46	74	94	Strengthen collaboration with health related sectors	Imaging	2	2%	39%
	Institutional Screening for NCD's	28	50	83		Pharmaceutical	40	50%	89%
	Rehabilitation	10	21	28		Blood safety	6	14%	50%
	Workplace Health & Safety	58	80	94		Rehabilitation	10	21%	28%
	Food quality & Safety	35	53	89		Palliative care	4	10%	39%
						Specialized clinics	6	5%	56%
Reduce the burden of Violence and injuries	Health Promotion and education on violence /injuries	63	ND	ND		Comprehensive youth friendly services	10	25%	50%
	Pre hospital Care	70	61	72		General Operations	5	12%	44%
	OPD/Accident and Emergency	58	54	94		Specialized Therapies			
	Management for injuries	68	83	94		Safe water	65	55%	100%
	Rehabilitation	60	21	28		Sanitation and hygiene	67	59%	100%
						Nutrition services	48	39%	67%
Minimize Exposure to health risk factors	Health Promotion including health Education	71	87	68	Strengthen collaboration with health related sectors	Pollution control	30	18%	78%
	Sexual education	55	85	55		Housing	22	12%	72%
	Substance abuse	33	52	50		School health	36	31%	67%
	Micronutrient deficiency control	43	64	36		Water and Sanitation Hygeine			
	Physical activity	ND	ND	ND		Food fortification	10	5%	39%
						Population management	18	5%	61%
						Road infrastructure and Transport	8	4%	56%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
KISII										
Number	140	4	8		8		4	0.32	0.06	2
Percent	100%	13%	22%	49%	12%	4%	71.4%	15.0%	12.1%	1.4%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
KISII	142	8	7	1	3		7	1.23	0.05
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
KISII	140	45	48	18	40	21	5	3	3	7	2	1	5	8	3	6
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
KISII	15		5	2						1						7		34	2	1			67	542	676
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
KISII	413	252	37.28%	12	207	5	0	0	0	11	17	676
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
KISII	676	223	32.99%	101	27	91	4	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
KISII	42	46	95	30	88	12	4	15	30	2	5	9	17
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KISII	57%	79%	15%	26%	55%	46%	84%	74%	93%	76%	13%	89%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
KISII	57%	80%	81%	79%	62%	78%	72%	10%	9%	4%	6%	9%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
KISII	32%	69%	44%	16%	34%	15%	55%	26%	11%	50%	16%	20%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
KISII	46%	69%	11%	34%	46%	55%	26%	16%	61%	79%	48%	84%	74%	30%	12%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
KISII	55	66%	80%	45%	84%	75%	71%	80%	75%	60%	65%	29%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
KISII	124	49%	51%	47%	36%	47%	53%	53%	58%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
KISII	140	53%	93%	73%	26%	36%	87%	71%	21%	52%	21%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

		Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
	Total number of facilities		Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
KISII	140	28%	17%	22%	57%	23%	27%	23%	12%	63%	13%	28%	26%	26%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KISII	140	57%	79%	15%	26%	55%	46%	84%	74%	93%	76%	13%	89%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
KISII	65%	83%	67%	55%	77%	61%	69%	83%	78%	51%	82%	81%	45%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	KISII	90%	83%	100%	87%	93%	91%	98%	79%	100%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	KISII	82%	100%	87%	83%	61%	91%	57%	65%	50%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	KISII	85%	98%	87%	82%	83%	84%	86%	88%	83%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	KISII	94%	100%	97%	97%	78%	97%	95%	76%	100%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	KISII	78%	83%	87%	79%	60%	81%	79%	59%	75%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	KISII	37%	64%	43%	27%	37%	33%	45%	51%	30%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	KISII	61%	87%	74%	56%	39%	66%	52%	45%	33%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	KISII	51%	75%	47%	39%	74%	44%	61%	81%	79%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
KISII	58%	46%	46%	43%	66%	69%	77%	56%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
KISII	60%	62%	86%	31%	35%	72%	87%	51%	65%	51%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
KISII	29%	33%	29%	29%	35%	20%	30%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

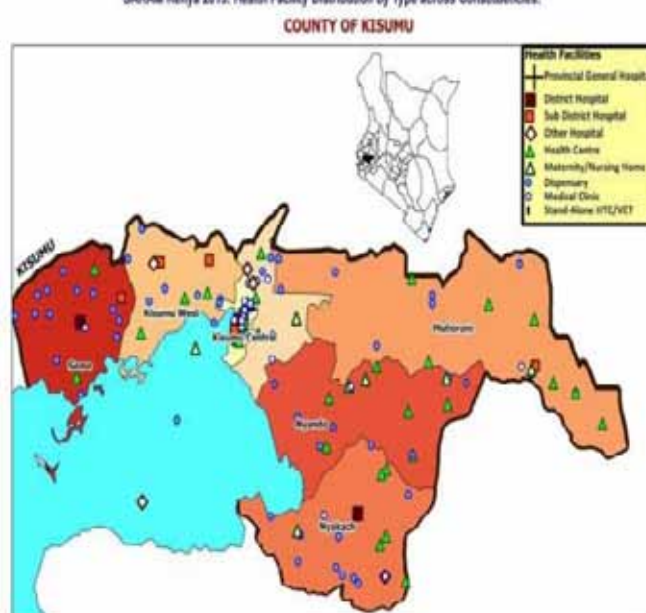
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
KISII	56%	81%	74%	26%	42%
National	36%	54%	49%	14%	26%

## KISUMU COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,097,307	43,726,652
Population female	559,633	21,990,837
Population male	537,675	21,735,815
Pregnant Women	44,221	1,893,895
Deliveries	43,892	1,879,796
EOC	329	14,098
live births	43,892	1,879,796
Population <1y	40,600	1,382,112
Population <5y	190,931	6,724,207
Population <15y	431,417	16,985,077
Population 15-24y	164,596	6,558,998
Population 25-59y	340,165	13,555,262
Households	211,947	8,344,425
Size (sq.km)	2085.9	581313.2
Poverty level	14.2	19.0
Percent of population urban	52	29.9

SAHARU Kenya 2012: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	86%	94%	Provide essential health services	General Outpatient	77	86%	94%
	Child Health	70	87%	94%		Integrated MCH / Family Planning services	64	78%	94%
	Screening for communicable conditions	58	75%	94%		Accident and Emergency	27	40%	71%
	Antenatal Care	68	82%	94%		Emergency life support	15	34%	65%
	Prevention of Mother to Child HIV Transmission	60	80%	100%		Maternity	35	60%	100%
	Integrated Vector Management	30	53%	88%		Newborn services	34	60%	88%
	Good hygiene practices	76	88%	100%		Reproductive health	58	79%	100%
	HIV and STI prevention	71	88%	94%		In Patient	14	27%	100%
	Port health	6	9%	18%		Clinical Laboratory	41	54%	100%
Halt, and reverse the Rising burden of NCDs	Control and prevention neglected tropical diseases	29	58%	88%		Specialized laboratory	4	8%	35%
	Health Promotion & Education for NCD's	46	80	100	Strengthen collaboration with health related sectors	Imaging	2	5%	53%
	Institutional Screening for NCD's	28	54	71		Pharmaceutical	40	58%	100%
	Rehabilitation	10	25	65		Blood safety	6	17%	82%
	Workplace Health & Safety	58	76	94		Rehabilitation	10	25%	65%
Reduce the burden of Violence and injuries	Food quality & Safety	35	57	94		Palliative care	4	17%	24%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	12%	47%
	Pre hospital Care	70	72	76		Comprehensive youth friendly services	10	39%	47%
	OPD/Accident and Emergency	58	66	94		General Operations	5	20%	59%
	Management for injuries	68	80	94		Specialized Therapies			
Minimize Exposure to health risk factors	Rehabilitation	60	25	28		Safe water	65	85%	100%
	Health Promotion including health Education	71	88	100		Sanitation and hygiene	67	86%	100%
	Sexual education	55	80	88		Nutrition services	48	72%	100%
	Substance abuse	33	58	59		Pollution control	30	59%	82%
	Micronutrient deficiency control	43	64	88		Housing	22	42%	71%
	Physical activity	ND	ND	ND		School health	36	57%	59%
						Water and Sanitation Hygiene			
						Food fortification	10	30%	59%
						Population management	18	49%	53%
						Road infrastructure and Transport	8	18%	41%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
KISUMU										
Number	154	17	34	70	21	12	89	37	21	7
Percent	100%	11%	22%	45%	14%	8%	57.8%	24.0%	13.6%	4.5%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
KISUMU	154	1	10	1	7		1	0.09	0.06
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
KISUMU	154	49	57	28	58	27	7	6	4	8	3	3	4	10	4
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
KISUMU	30	6	14	8		1		1		4	2	13				26		35	5	8	6	2	40	883	1084
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence							
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others
KISUMU	827	244	22.51%	10	196	22	0	0	3	5	8
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
KISUMU	1084	224	20.66%	72	22	116	13	1
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrate d vector Manage ment	HIV and STI preventio ns	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Manage ment	Human Resource Manage ment	Financial Manage ment	Procurem ent / supply manage ment	Health Informati on manage ment
KISUMU	68	44	106	7	129	3	3	23	17	2	1	3	21
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KISUMU	57%	77%	16%	44%	54%	46%	85%	75%	88%	68%	10%	86%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
KISUMU	57%	75%	75%	74%	72%	77%	70%	10%	15%	8%	6%	11%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
KISUMU	38%	68%	50%	26%	46%	16%	54%	37%	16%	63%	25%	23%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
KISUMU	51%	68%	16%	46%	46%	54%	44%	25%	64%	77%	48%	85%	75%	36%	24%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
KISUMU	64	56%	59%	33%	69%	66%	56%	66%	66%	55%	66%	27%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
KISUMU	134	52%	61%	48%	39%	55%	57%	50%	57%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
KISUMU	154	58%	88%	77%	32%	78%	88%	61%	14%	63%	17%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone 25mg tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
KISUMU	154	31%	21%	19%	59%	25%	37%	25%	16%	69%	14%	39%	23%	28%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

Availability of general medicines			Percent of facilities with respective tracer items										
	Total number of facilities	Mean availability of tracer items	Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KISUMU	154	57%	77%	16%	44%	54%	46%	85%	75%	88%	68%	10%	86%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
KISUMU	66%	90%	68%	57%	74%	60%	79%	76%	56%	58%	78%	80%	50%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	KISUMU	85%	88%	81%	90%	76%	91%	80%	71%	75%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	KISUMU	77%	94%	91%	70%	67%	79%	73%	76%	75%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	KISUMU	83%	92%	84%	84%	77%	84%	87%	75%	79%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	KISUMU	86%	94%	97%	91%	58%	91%	78%	76%	88%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	KISUMU	78%	94%	86%	77%	62%	79%	74%	77%	78%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	KISUMU	42%	79%	46%	32%	40%	39%	45%	52%	35%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	KISUMU	63%	78%	72%	58%	54%	62%	59%	67%	79%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	KISUMU	55%	87%	54%	43%	68%	45%	69%	79%	46%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
KISUMU	72%	71%	65%	61%	74%	77%	84%	71%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
KISUMU	61%	55%	78%	33%	38%	72%	82%	64%	63%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
KISUMU	74%	79%	67%	71%	80%	68%	77%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

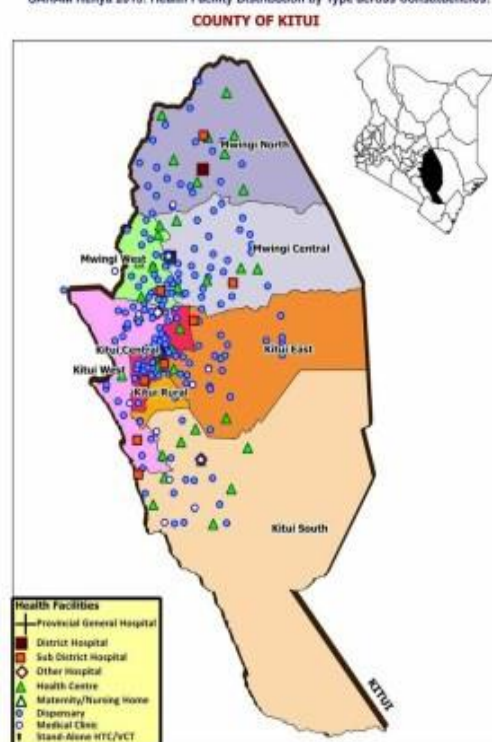
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
KISUMU	57%	78%	74%	26%	48%
National	36%	54%	49%	14%	26%

## KITUI COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,146,912	43,726,652
Population female	601,851	21,990,837
Population male	545,061	21,735,815
Pregnant Women	53,003	1,893,895
Deliveries	52,609	1,879,796
EOC	395	14,098
live births	52,609	1,879,796
Population <1y	32,114	1,382,112
Population <5y	164,008	6,724,207
Population <15y	462,501	16,985,077
Population 15-24y	172,037	6,558,998
Population 25-59y	355,543	13,555,262
Households	227,217	8,344,425
Size (sq.km)	30496.5	581313.2
Poverty level	22.2	19.0
Percent of population urban	14	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	71%	93%	Provide essential health services	General Outpatient	77	89%	87%
	Child Health	70	81%	93%		Integrated MCH / Family Planning services	64	77%	80%
	Screening for communicable conditions	58	61%	87%		Accident and Emergency	27	18%	67%
	Antenatal Care	68	82%	87%		Emergency life support	15	9%	40%
	Prevention of Mother to Child HIV Transmission	60	73%	87%		Maternity	35	33%	93%
	Integrated Vector Management	30	26%	60%		Newborn services	34	29%	80%
	Good hygiene practices	76	86%	80%		Reproductive health	58	66%	87%
	HIV and STI prevention	71	79%	87%		In Patient	14	7%	87%
	Port health	6	8%	0%		Clinical Laboratory	41	32%	93%
Halt, and reverse the Rising burden of NCDs	Control and prevention neglected tropical diseases	29	28%	27%		Specialized laboratory	4	3%	33%
	Health Promotion & Education for NCD's	46	42	67		Imaging	2	1%	33%
	Institutional Screening for NCD's	28	19	33		Pharmaceutical	40	35%	73%
	Rehabilitation	10	6	33		Blood safety	6	2%	47%
	Workplace Health & Safety	58	69	93		Rehabilitation	10	6%	33%
Reduce the burden of Violence and injuries	Food quality & Safety	35	33	80		Palliative care	4	3%	27%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	3%	67%
	Pre hospital Care	70	33	40		Comprehensive youth friendly services	10	6%	20%
	OPD/Accident and Emergency	58	43	80		General Operations	5	4%	33%
	Management for injuries	68	63	93	Strengthen collaboration with health related sectors	Specialized Therapies			
Minimize Exposure to health risk factors	Rehabilitation	60	6	33		Safe water	65	70%	93%
	Health Promotion including health Education	71	79	73		Sanitation and hygiene	67	72%	93%
	Sexual education	55	62	80		Nutrition services	48	57%	87%
	Substance abuse	33	34	40		Pollution control	30	24%	60%
	Micronutrient deficiency control	43	52	87		Housing	22	12%	40%
	Physical activity	ND	ND	ND		School health	36	32%	67%
						Water and Sanitation Hygiene			
						Food fortification	10	9%	40%
						Population management	18	14%	53%
						Road infrastructure and Transport	8	6%	33%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
KITUI										
Number	313	13	36	207	51	6	233	25	52	3
Percent	100%	4%	12%	66%	16%	2%	74.4%	8.0%	16.6%	1.0%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
KITUI	313	17	46	19	100		14	1.23	0.14
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
KITUI	313	57	79	24	71	14	3	4	2	4	4	1	3	3	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
KITUI	3	7	7	6		1	5	2		2		1				22		54	6	1	2	2	37	1334	1492
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
KITUI	1272	208	13.94%	15	169	5	0	0	1	14	4	1492
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
KITUI	1492	177	11.86%	40	31	103	3	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
KITUI	29	55	130	12	79	15	9	17	22	6	64	9	34
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KITUI	50%	58%	7%	20%	53%	29%	81%	70%	88%	76%	7%	75%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
KITUI	50%	54%	53%	52%	44%	59%	49%	1%	5%	1%	1%	1%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Belamethasone or Dexamethasone injectable	Nifedipine cap/tab
KITUI	23%	57%	30%	7%	14%	7%	53%	18%	4%	47%	9%	13%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
KITUI	37%	57%	4%	14%	29%	53%	20%	9%	47%	58%	47%	81%	70%	16%	9%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
KITUI	56	58%	68%	39%	73%	71%	46%	66%	70%	57%	64%	25%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
KITUI	270	25%	23%	20%	16%	28%	26%	26%	34%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
KITUI	313	45%	88%	69%	23%	18%	74%	57%	7%	60%	11%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
KITUI	313	21%	11%	11%	54%	14%	21%	12%	5%	61%	7%	19%	18%	20%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KITUI	313	50%	58%	7%	20%	53%	29%	81%	70%	88%	76%	7%	75%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General Service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
KITUI	57%	79%	61%	53%	65%	55%	68%	65%	27%	45%	71%	78%	34%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	KITUI	85%	88%	81%	90%	76%	91%	80%	71%	75%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	KITUI	61%	86%	78%	62%	41%	67%	52%	41%	0%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	KITUI	78%	90%	83%	77%	78%	79%	85%	77%	22%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	KITUI	70%	93%	94%	77%	21%	83%	56%	19%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	KITUI	59%	88%	78%	62%	30%	67%	49%	30%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	KITUI	28%	64%	33%	22%	34%	25%	37%	36%	7%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	KITUI	26%	40%	39%	26%	16%	29%	29%	14%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	KITUI	40%	70%	34%	33%	62%	33%	63%	63%	14%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
KITUI	43%	25%	21%	20%	60%	62%	72%	43%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
KITUI	36%	46%	70%	14%	19%	33%	67%	31%	21%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
KITUI	39%	48%	41%	30%	47%	26%	40%
National	37%	47%	34%	32%	41%	31%	38%

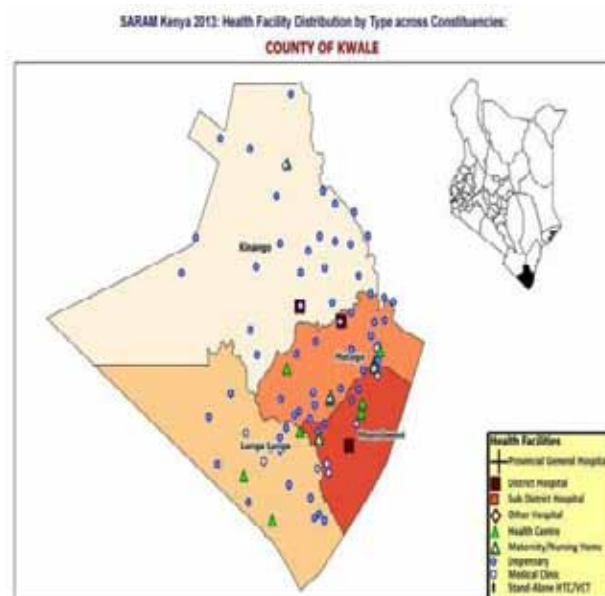
### Health governance readiness

County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
KITUI	42%	70%	63%	15%	18%
National	36%	54%	49%	14%	26%

## KWALE COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	736,059	43,726,652
Population female	378,186	21,990,837
Population male	357,872	21,735,815
Pregnant Women	29,770	1,893,895
Deliveries	29,549	1,879,796
EOC	222	14,098
live births	29,549	1,879,796
Population <1y	25,762	1,382,112
Population <5y	119,242	6,724,207
Population <15y	296,727	16,985,077
Population 15-24y	110,409	6,558,998
Population 25-59y	228,178	13,555,262
Households	145,776	8,344,425
Size (sq.km)	8270.2	581313.2
Poverty level	28.4	19.0
Percent of population urban	18	29.9



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County - Primary care	County-Hospitals			National	County - Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	74%	100%	<b>Provide essential health services</b>	General Outpatient	77	96%	100%
	Child Health	70	88%	100%		Integrated MCH / Family Planning services	64	83%	100%
	Screening for communicable conditions	58	80%	100%		Accident and Emergency	27	41%	100%
	Antenatal Care	68	88%	100%		Emergency life support	15	25%	67%
	Prevention of Mother to Child HIV Transmission	60	85%	100%		Maternity	35	74%	100%
	Integrated Vector Management	30	38%	33%		Newborn services	34	61%	100%
	Good hygiene practices	76	91%	67%		Reproductive health	58	79%	100%
	HIV and STI prevention	71	86%	100%		In Patient	14	10%	100%
	Port health	6	8%	33%		Clinical Laboratory	41	52%	100%
	Control and prevention neglected tropical diseases	29	38%	67%		Specialized laboratory	4	3%	67%
<b>Halt, and reverse the Rising burden of NCDs</b>	Health Promotion & Education for NCD's	46	63	100	<b>Strengthen collaboration with health related sectors</b>	Imaging	2	2%	67%
	Institutional Screening for NCD's	28	48	67		Pharmaceutical	40	57%	100%
	Rehabilitation	10	7	100		Blood safety	6	7%	100%
	Workplace Health & Safety	58	65	100		Rehabilitation	10	7%	100%
	Food quality & Safety	35	41	100		Palliative care	4	3%	0%
<b>Reduce the burden of Violence and injuries</b>	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	5%	100%
	Pre hospital Care	70	46	67		Comprehensive youth friendly services	10	18%	33%
	OPD/Accident and Emergency	58	53	100		General Operations	5	7%	100%
	Management for injuries	68	82	100		Specialized Therapies			
	Rehabilitation	60	7	100		Safe water	65	77%	100%
<b>Minimize Exposure to health risk factors</b>	Health Promotion including health Education	71	87	100		Sanitation and hygiene	67	83%	67%
	Sexual education	55	67	100		Nutrition services	48	76%	100%
	Substance abuse	33	34	33		Pollution control	30	30%	67%
	Micronutrient deficiency control	43	71	100		Housing	22	21%	100%
	Physical activity	ND	ND	ND		School health	36	58%	67%
						Water and Sanitation Hygiene			
						Food fortification	10	27%	100%
						Population management	18	22%	100%
						Road infrastructure and Transport	8	1%	33%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
KWALE										
Number	95	4	9	56	23	3	62	10	22	1
Percent	100%	4%	9%	59%	24%	3%	65.3%	10.5%	23.2%	1.1%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
KWALE	95	13	24	11	87		6	0.82	0.25
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
KWALE	95	26	37	12	24	5	2		1	1	0	0	1	2	2	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ Gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
KWALE	1	1	2	1						3						6		55	2			1	39	686	797
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
KWALE	683	107	13.43%	2	39	0	0	0	5	0	61	797
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
KWALE	797	47	5.90%	8	14	25		
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrate d vector Management	HIV and STI preventions	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Manage ment	Human Resource Manage ment	Financial Manage ment	Procurem ent / supply manage ment	Health Informati on manage ment
KWALE		1	1		5						2		1
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KWALE	60%	93%	8%	34%	71%	52%	88%	81%	95%	77%	4%	86%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
KWALE	60%	72%	72%	69%	69%	83%	68%	1%	6%	3%	1%	2%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone one or Dexamethasone injectable	Nifedipine cap/tab
KWALE	35%	78%	51%	15%	43%	8%	71%	21%	4%	71%	13%	9%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

Availability of life saving commodities															
	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
KWALE	50%	78%	4%	43%	52%	71%	34%	13%	59%	93%	47%	88%	81%	20%	21%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
KWALE	16	58%	75%	19%	75%	75%	38%	75%	75%	50%	75%	19%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities
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### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
KWALE	95	52%	95%	82%	28%	89%	94%	54%	3%	20%	3%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
KWALE	95	27%	13%	8%	56%	21%	40%	15%	4%	65%	13%	36%	20%	28%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
KWALE	95	60%	93%	8%	34%	71%	52%	88%	81%	95%	77%	4%	86%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
KWALE	65%	88%	76%	60%	67%	62%	69%	70%	64%	51%	82%	82%	44%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	KWALE	65%	63%	78%	66%	60%	68%	60%	59%	100%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	KWALE	82%	100%	89%	91%	58%	92%	80%	55%	100%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	KWALE	89%	100%	96%	86%	91%	89%	90%	89%	67%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	KWALE	75%	100%	89%	93%	27%	97%	40%	27%	100%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	KWALE	76%	94%	86%	89%	41%	92%	50%	43%	75%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	KWALE	42%	70%	58%	39%	38%	44%	34%	39%	60%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	KWALE	46%	75%	52%	53%	26%	54%	37%	27%	100%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	KWALE	54%	75%	57%	46%	69%	46%	76%	68%	71%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
KWALE	61%	44%	44%	39%	79%	85%	87%	51%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
KWALE	45%	45%	75%	18%	21%	73%	78%	25%	32%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
KWALE	49%	62%	37%	37%	60%	31%	65%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

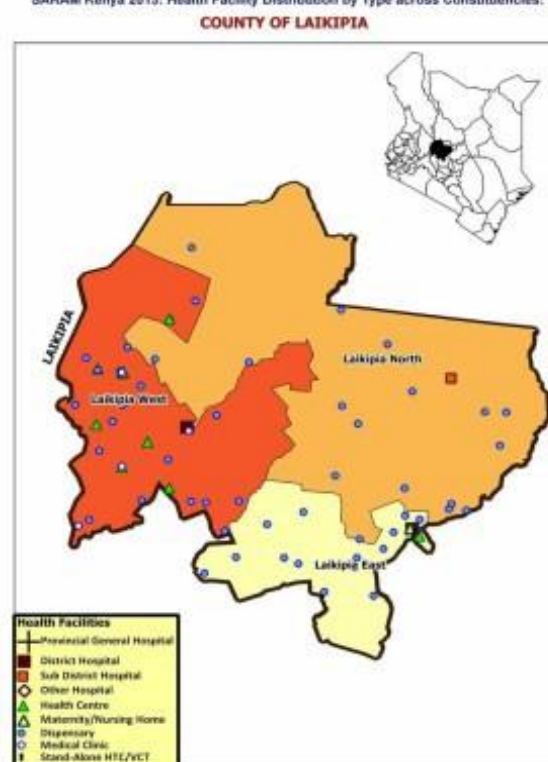
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
KWALE	52%	71%	67%	19%	51%
National	36%	54%	49%	14%	26%

## LAIKIPIA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	452,132	43,726,652
Population female	227,185	21,990,837
Population male	224,947	21,735,815
Pregnant Women	20,789	1,893,895
Deliveries	20,634	1,879,796
EOC	155	14,098
live births	20,634	1,879,796
Population <1y	15,372	1,382,112
Population <5y	73,245	6,724,207
Population <15y	185,184	16,985,077
Population 15-24y	67,820	6,558,998
Population 25-59y	140,161	13,555,262
Households	90,977	8,344,425
Size (sq.km)	9461.9	581313.2
Poverty level	14.1	19.0
Percent of population urban	25	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	71%	100%	<b>Provide essential health services</b>	General Outpatient	77	85%	100%
	Child Health	70	76%	100%		Integrated MCH / Family Planning services	64	76%	100%
	Screening for communicable conditions	58	68%	100%		Accident and Emergency	27	28%	75%
	Antenatal Care	68	78%	100%		Emergency life support	15	14%	75%
	Prevention of Mother to Child HIV Transmission	60	72%	100%		Maternity	35	31%	100%
	Integrated Vector Management	30	23%	33%		Newborn services	34	37%	100%
	Good hygiene practices	76	79%	67%		Reproductive health	58	61%	100%
	HIV and STI prevention	71	83%	100%		In Patient	14	15%	100%
	Port health	6	6%	33%		Clinical Laboratory	41	33%	100%
	Control and prevention neglected tropical diseases	29	44%	67%		Specialized laboratory	4	2%	50%
<b>Halt, and reverse the rising burden of NCDs</b>	Health Promotion & Education for NCD's	46	45	75	<b>Strengthen collaboration with health related sectors</b>	Imaging	2	1%	50%
	Institutional Screening for NCD's	28	31	75		Pharmaceutical	40	54%	100%
	Rehabilitation	10	17	75		Blood safety	6	6%	50%
	Workplace Health & Safety	58	71	75		Rehabilitation	10	17%	75%
	Food quality & Safety	35	39	75		Palliative care	4	5%	25%
<b>Reduce the burden of Violence and injuries</b>	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	5%	75%
	Pre hospital Care	70	33	75		Comprehensive youth friendly services	10	6%	25%
	OPD/Accident and Emergency	58	48	100		General Operations	5	2%	50%
	Management for injuries	68	71	75		Specialized Therapies			
	Rehabilitation	60	17	75		Safe water	65	70%	75%
<b>Minimize exposure to healthrisk factors</b>	Health Promotion including health Education	71	80	75		Sanitation and hygiene	67	74%	75%
	Sexual education	55	60	75		Nutrition services	48	52%	75%
	Substance abuse	33	44	75		Pollution control	30	28%	50%
	Micronutrient deficiency control	43	62	75		Housing	22	29%	50%
	Physical activity	ND	ND	ND		School health	36	49%	50%
						Water and Sanitation Hygeine			
						Food fortification	10	8%	0%
						Population management	18	9%	0%
						Road infrastructure, and			

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
LAIKIPIA										
Number	86	4	9	56	15	2	54	16	13	3
Percent	100%	5%	10%	65%	17%	2%	62.8%	18.6%	15.1%	3.5%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
LAIKIPIA	86	11	22		40		11	2.42	0.24
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
LAIKIPIA	86	15	28	13	25	4	1	2	1	1	1	0	1	3	0	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
LAIKIPIA	4	2	2	3			2	3		10		2				28		42	4				18	1282	1402
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
LAIKIPIA	1338	37	2.64%	0	27	1	0	0	0	9	0	1402
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
LAIKIPIA	1402	28	2.00%		8	20		
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrate d vector Management	HIV and STI preventio ns	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Management	Human Resource Management	Financial Management	Procurem ent / supply management	Health Informati on management	Other
LAIKIPIA	18	18	21	3	23	2	7		1	2	6	1		743
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
LAIKIPIA	53%	77%	10%	39%	42%	32%	78%	76%	82%	77%	9%	74%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
LAIKIPIA	53%	66%	67%	66%	63%	78%	61%	3%	8%	1%	1%	9%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
LAIKIPIA	32%	73%	43%	33%	34%	10%	42%	23%	8%	45%	22%	23%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
LAIKIPIA	45%	73%	8%	34%	32%	42%	39%	22%	76%	77%	37%	78%	76%	23%	17%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
LAIKIPIA	16	46%	56%	19%	63%	63%	25%	69%	56%	44%	50%	19%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
LAIKIPIA	75	16%	17%	11%	9%	20%	17%	15%	24%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
LAIKIPIA	86	43%	82%	70%	16%	47%	80%	0%	12%	59%	17%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
LAIKIPIA	86	33%	22%	19%	66%	25%	37%	29%	18%	71%	14%	32%	27%	35%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
LAIKIPIA	86	53%	77%	10%	39%	42%	32%	78%	76%	82%	77%	9%	74%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
LAIKIPIA	64%	87%	64%	64%	59%	64%	67%	64%	54%	49%	77%	82%	48%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	LAIKIPIA	69%	75%	75%	74%	53%	71%	82%	46%	75%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	LAIKIPIA	68%	75%	90%	71%	45%	75%	68%	50%	25%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	LAIKIPIA	75%	92%	80%	83%	47%	87%	65%	52%	42%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	LAIKIPIA	72%	100%	90%	81%	30%	91%	58%	36%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	LAIKIPIA	60%	94%	83%	64%	31%	75%	47%	36%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	LAIKIPIA	36%	70%	40%	33%	34%	34%	41%	40%	15%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	LAIKIPIA	35%	75%	50%	34%	22%	37%	40%	31%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	LAIKIPIA	57%	79%	53%	57%	54%	54%	62%	66%	43%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
LAIKIPIA	38%	17%	13%	15%	63%	61%	70%	28%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
LAIKIPIA	32%	32%	70%	8%	12%	45%	67%	22%	20%	16%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
LAIKIPIA	36%	55%	26%	22%	45%	25%	40%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

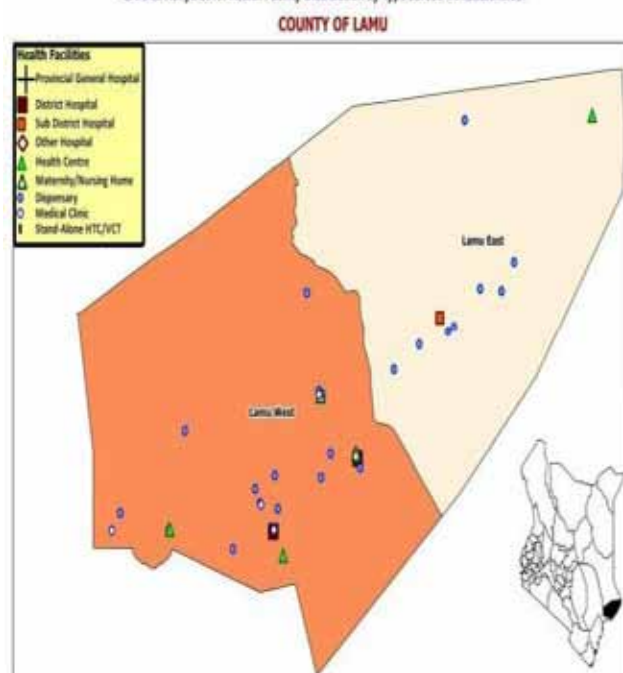
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
LAIKIPIA	43%	60%	55%	15%	42%
National	36%	54%	49%	14%	26%

## LAMU COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	114,995	43,726,652
Population female	54,920	21,990,837
Population male	60,074	21,735,815
Pregnant Women	5,030	1,893,895
Deliveries	4,993	1,879,796
EOC	37	14,098
live births	4,993	1,879,796
Population <1y	4,025	1,382,112
Population <5y	18,629	6,724,207
Population <15y	46,346	16,985,077
Population 15-24y	17,249	6,558,998
Population 25-59y	35,648	13,555,262
Households	22,769	8,344,425
Size (sq.km)	6273.1	581313.2
Poverty level	6.3	19.0
Percent of population urban	20	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilitiesoffering services			Policy Objective	Services	%facilitiesoffering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	63%	100%	<b>Provide essential health services</b>	General Outpatient	77	85%	100%
	Child Health	70	63%	100%		Integrated MCH / Family Planning services	64	60%	100%
	Screening for communicable conditions	58	40%	67%		Accident and Emergency	27	45%	100%
	Antenatal Care	68	70%	100%		Emergency life support	15	13%	33%
	Prevention of Mother to Child HIV Transmission	60	65%	100%		Maternity	35	45%	100%
	Integrated Vector Management	30	18%	33%		Newborn services	34	48%	100%
	Good hygiene practices	76	85%	100%		Reproductive health	58	73%	100%
	HIV and STI prevention	71	78%	100%		In Patient	14	15%	100%
	Port health	6	8%	0%		Clinical Laboratory	41	33%	100%
<b>Halt and reverse the Rising burden of NCDs</b>	Control and prevention neglected tropical diseases	29	25%	0%	<b>Strengthen collaboration with health related sectors</b>	Specialized laboratory	4	3%	33%
	Health Promotion & Education for NCD's	46	25	0		Imaging	2	3%	67%
	Institutional Screening for NCD's	28	18	0		Pharmaceutical	40	53%	100%
	Rehabilitation	10	10	33		Blood safety	6	0%	33%
	Workplace Health & Safety	58	48	67		Rehabilitation	10	10%	33%
	Food quality & Safety	35	30	75		Palliative care	4	5%	67%
<b>Reduce the burden of Violence and injuries</b>	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	3%	67%
	Pre hospital Care	70	25	67		Comprehensive youth friendly services	10	8%	0%
	OPD/Accident and Emergency	58	63	100		General Operations	5	5%	67%
	Management for injuries	68	78	100		Specialized Therapies			
	Rehabilitation	60	10	33		Safe water	65	63%	67%
<b>Minimize Exposure to health risk factors</b>	Health Promotion including health Education	71	73	100		Sanitation and hygiene	67	65%	100%
	Sexual education	55	30	33		Nutrition services	48	48%	100%
	Substance abuse	33	20	67		Pollution control	30	15%	0%
	Micronutrient deficiency control	43	33	33		Housing	22	15%	33%
	Physical activity	ND	ND	ND		School health	36	48%	67%
						Water and Sanitation Hygiene			
						Food fortification	10	10%	0%
						Population management	18	8%	0%
						Road infrastructure and Transport	8	10%	0%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
LAMU										
Number	42	3	4	22	11	2	24	5	13	0
Percent	100%	7%	10%	52%	26%	5%	57.1%	11.9%	31.0%	0.0%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
LAMU	42	3	8		35	3	3	2.64	0.19
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
LAMU	42	9	16	5	12	4	2	0	1	1	1	0	1	1	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
LAMU	1			5			1			1						2		2						130	142
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
LAMU	142	0	0.00%	0	0	0	0	0	0	0	0	142
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
LAMU	142	0	0.00%					
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings											
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management
LAMU												
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children									
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab
LAMU	55%	81%	12%	51%	70%	42%	74%	67%	84%	56%	14%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
LAMU	55%	53%	58%	58%	53%	67%	56%	7%	7%	2%	0%	2%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
LAMU	35%	60%	47%	14%	21%	12%	70%	35%	9%	63%	19%	35%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
LAMU	45%	60%	9%	21%	42%	70%	51%	19%	63%	81%	30%	74%	67%	19%	26%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
LAMU	9	46%	67%	11%	56%	78%	33%	56%	56%	33%	56%	11%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
LAMU	32	25%	19%	19%	19%	31%	22%	22%	41%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

Availability of malaria commodities	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine ) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
LAMU	42	57%	84%	81%	30%	86%	86%	65%	16%	44%	23%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

Availability of NCD commodities	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
LAMU	42	33%	30%	12%	49%	40%	51%	35%	16%	53%	19%	42%	28%	26%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
LAMU	42	55%	81%	12%	51%	70%	42%	74%	67%	84%	56%	14%	93%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
LAMU	65%	71%	78%	61%	69%	61%	78%	69%	0	55%	76%	77%	54%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	LAMU	60%	17%	75%	63%	62%	60%	60%	62%	0
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	LAMU	42%	67%	75%	48%	15%	48%	80%	15%	
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	LAMU	86%	100%	92%	80%	92%	81%	93%	92%	
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	LAMU	65%	100%	100%	78%	23%	84%	80%	23%	
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	LAMU	58%	100%	94%	66%	23%	73%	75%	23%	
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	LAMU	36%	67%	30%	35%	32%	37%	40%	32%	#DIV/0!
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	LAMU	16%	0%	0%	25%	10%	16%	33%	10%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	LAMU	61%	81%	75%	45%	80%	47%	80%	80%	
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
LAMU	48%	37%	23%	21%	72%	67%	72%	47%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
LAMU	38%	28%	60%	19%	7%	51%	74%	23%	49%	35%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
LAMU	34%	65%	23%	23%	33%	19%	42%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

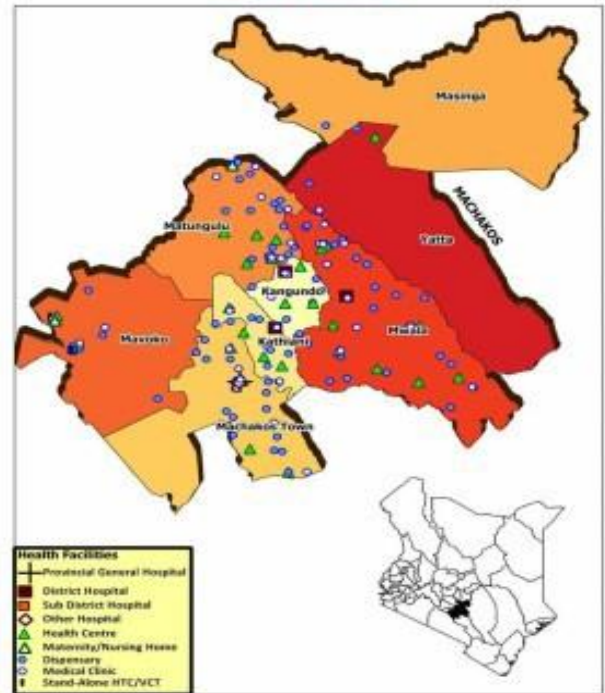
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
LAMU	45%	65%	53%	12%	51%
National	36%	54%	49%	14%	26%

## MACHAKOS COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,244,167	43,726,652
Population female	629,052	21,990,837
Population male	615,115	21,735,815
Pregnant Women	58,614	1,893,895
Deliveries	58,177	1,879,796
EOC	436	14,098
live births	58,177	1,879,796
Population <1y	34,837	1,382,112
Population <5y	177,916	6,724,207
Population <15y	488,746	16,985,077
Population 15-24y	186,625	6,558,998
Population 25-59y	385,692	13,555,262
Households	240,111	8,344,425
Size (sq.km)	6208.2	581313.2
Poverty level	19.8	19.0
Percent of population urban	52	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies: COUNTY OF MACHAKOS



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	63%	100%	<b>Provide essential health services</b>	General Outpatient	77	77%	100%
	Child Health	70	70%	100%		Integrated MCH / Family Planning services	64	64%	86%
	Screening for communicable conditions	58	54%	100%		Accident and Emergency	27	21%	71%
	Antenatal Care	68	67%	100%		Emergency life support	15	13%	29%
	Prevention of Mother to Child HIV Transmission	60	58%	100%		Maternity	35	39%	86%
	Integrated Vector Management	30	23%	86%		Newborn services	34	33%	71%
	Good hygiene practices	76	73%	100%		Reproductive health	58	55%	86%
	HIV and STI prevention	71	68%	100%		In Patient	14	7%	100%
	Port health	6	5%	14%		Clinical Laboratory	41	43%	100%
	Control and prevention neglected tropical diseases	29	24%	71%		Specialized laboratory	4	3%	57%
<b>Halt, and reverse the Rising burden of NCDs</b>	Health Promotion & Education for NCD's	46	40%	100%	<b>Strengthen collaboration with health related sectors</b>	Imaging	2	1	100%
	Institutional Screening for NCD's	28	22%	86%		Pharmaceutical	40	38%	100%
	Rehabilitation	10	12%	71%		Blood safety	6	3%	71%
	Workplace Health & Safety	58	64%	100%		Rehabilitation	10	12%	71%
	Food quality & Safety	35	31%	86%		Palliative care	4	3%	57%
<b>Reduce the burden of Violence and injuries</b>	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	3%	71%
	Pre hospital Care	70	27%	27%		Comprehensive youth friendly services	10	7%	29%
	OPD/Accident and Emergency	58	40%	40%		General Operations	5	5%	71%
	Management for injuries	68	64%	64%		Specialized Therapies	ND	ND	ND
	Rehabilitation	60	12%	12%		Safe water	65	61%	100%
<b>Minimize Exposure to health risk factors</b>	Health Promotion including health Education	71	67%	86%		Sanitation and hygiene	67	62%	100%
	Sexual education	55	45%	86%		Nutrition services	48	37%	86%
	Substance abuse	33	23%	71%		Pollution control	30	23%	86%
	Micronutrient deficiency control	43	28%	86%		Housing	22	13%	71%
	Physical activity	ND	ND	ND		School health	36	19%	29%
						Water and Sanitation Hygiene		ND	ND
						Food fortification	10	4%	43%
						Population management	18	8%	43%
						Road infrastructure and Transport	8	4%	14%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
MACHAKOS										
Number	255	8	31	117	94	5	128	35	90	2
Percent	3%	12%	46%	37%	2%	3%	50.2%	13.7%	35.3%	0.8%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
MACHAKOS	255	12	40	61	83	-	12	1.00	0.13
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
MACHAKOS	255	53	84	29	63	17	4	3	2	3	2	1	4	4	3
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
MACHAKOS	20	8	16	7		3	3	4		17	2	2		1	1	34		71	10	1	6		65	2171	2442
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
MACHAKOS	1897	521	21.33%	17	69	4	0	0	2	3	426	2442
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
MACHAKOS	2442	79	3.24%	19	15	33	12	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
MACHAKOS	81	98	259	19	261	32	82	11	108	9	85	39	46
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MACHAKOS	49%	73%	11%	34%	58%	38%	73%	65%	73%	65%	6%	75%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
MACHAKOS	49%	58%	59%	57%	50%	66%	57%	2%	8%	1%	2%	3%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
MACHAKOS	29%	48%	37%	10%	22%	11%	58%	24%	7%	62%	13%	22%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
MACHAKOS	48%	7%	22%	38%	58%	34%	13%	51%	73%	40%	73%	65%	13%	16%	48%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
MACHAKOS	44	86%	36%	84%	86%	68%	77%	77%	70%	80%	30%	86%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities					
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)
MACHAKOS	104		47%	31%	22%	37%	32%	49%
National	5840	41%	47%	37%	31%	42%	42%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
MACHAKOS	293		73%	59%	21%	24%	73%	44%	7%	44%	7%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities										
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab
MACHAKOS	255		23%	14%	41%	22%	32%	19%	9%	59%	10%	29%	19%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MACHAKOS	255	49%	73%	11%	34%	58%	38%	73%	65%	73%	65%	6%	75%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
MACHAKOS	56%	80%	67%	52%	56%	55%	59%	57%	11%	44%	69%	69%	41%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	MACHAKOS	64%	81%	87%	69%	51%	74%	60%	53%	70%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	MACHAKOS	55%	100%	94%	64%	31%	71%	52%	37%	0%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	MACHAKOS	69%	88%	87%	72%	61%	77%	65%	64%	0%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	MACHAKOS	63%	100%	97%	81%	32%	90%	55%	34%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	MACHAKOS	51%	88%	73%	62%	30%	70%	43%	32%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	MACHAKOS	30%	73%	41%	28%	26%	33%	29%	28%	0%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	MACHAKOS	27%	83%	53%	28%	15%	37%	22%	16%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	MACHAKOS	39%	78%	37%	35%	57%	12%	53%	59%	0%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
MACHAKOS		17%	16%	17%	61%	63%	65%	32%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
MACHAKOS		26%	61%	11%	13%	22%	57%	26%	18%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
MACHAKOS		37%	29%	32%	37%	33%	22%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

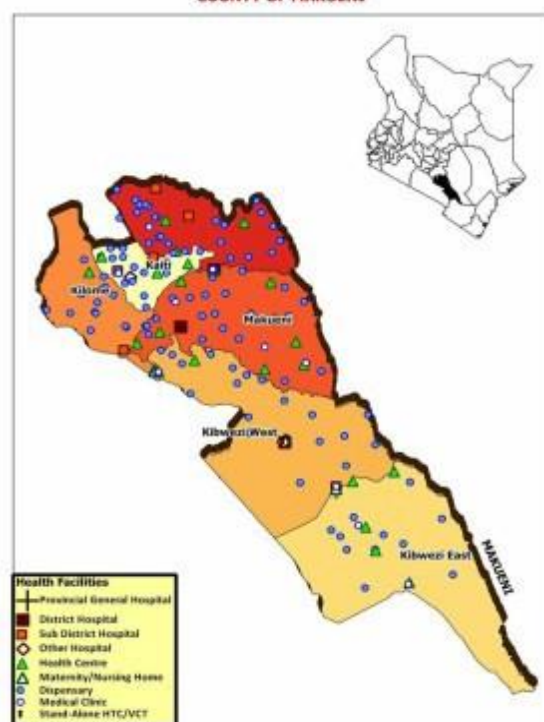
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
MACHAKOS		53%	47%	11%	24%
National	36%	54%	49%	14%	26%

## MAKUENI COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,001,743	43,726,652
Population female	513,956	21,990,837
Population male	487,787	21,735,815
Pregnant Women	46,251	1,893,895
Deliveries	45,906	1,879,796
EOC	344	14,098
live births	45,906	1,879,796
Population <1y	28,049	1,382,112
Population <5y	143,249	6,724,207
Population <15y	391,286	16,985,077
Population 15-24y	150,261	6,558,998
Population 25-59y	310,540	13,555,262
Households	192,231	8,344,425
Size (sq.km)	8008.8	581313.2
Poverty level	22.2	19.0
Percent of population urban	12	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF MAKUENI



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	74%	100%	Provide essential health services	General Outpatient	77	91%	100%
	Child Health	70	80%	100%		Integrated MCH / Family Planning services	64	79%	92%
	Screening for communicable conditions	58	74%	100%		Accident and Emergency	27	29%	42%
	Antenatal Care	68	82%	100%		Emergency life support	15	13%	25%
	Prevention of Mother to Child HIV Transmission	60	81%	92%		Maternity	35	57%	92%
	Integrated Vector Management	30	34%	75%		Newborn services	34	54%	92%
	Good hygiene practices	76	86%	100%		Reproductive health	58	73%	83%
	HIV and STI prevention	71	84%	83%		In Patient	14	12%	67%
	Port health	6	14%	17%		Clinical Laboratory	41	54%	100%
Halt and reverse the Rising burden of NCDs	Control and prevention neglected tropical diseases	29	34%	50%		Specialized laboratory	4	3%	42%
	Health Promotion & Education for NCD's	46	56%	75%		Imaging	2	1%	25%
	Institutional Screening for NCD's	28	34%	50%		Pharmaceutical	40	37%	67%
	Rehabilitation	10	9%	50%		Blood safety	6	3%	25%
	Workplace Health & Safety	58	68%	92%		Rehabilitation	10	9%	50%
Reduce the burden of Violence and injuries	Food quality & Safety	35	44%	83%		Palliative care	4	3%	17%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	6%	67%
	Pre hospital Care	70	31%	42%		Comprehensive youth friendly services	10	9%	33%
	OPD/Accident and Emergency	58	51%	83%		General Operations	5	13%	50%
	Management for injuries	68	66%	83%	Strengthen collaboration with health related sectors	Specialized Therapies	ND	ND	ND
Minimize Exposure to health risk factors	Rehabilitation	60	9%	50%		Safe water	65	71%	92%
	Health Promotion including health Education	71	78%	83%		Sanitation and hygiene	67	76%	92%
	Sexual education	55	60%	58%		Nutrition services	48	59%	83%
	Substance abuse	33	33%	42%		Pollution control	30	36%	83%
	Micronutrient deficiency control	43	62%	83%		Housing	22	21%	50%
	Physical activity	ND	ND	ND		School health	36	44%	67%
						Water and Sanitation Hygiene		ND	ND
						Food fortification	10	6%	17%
						Population management	18	15%	50%
						Road infrastructure and Transport	8	7%	33%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
MAKUENI										
Number	184	12	23	108	35	6	115	30	38	1
Percent		7%	13%	59%	19%	3%	62.5%	16.3%	20.7%	0.5%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
MAKUENI	184	13	23	12	32	-	12	1.25	0.12
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
MAKUENI	184	46	68	23	47	5	2	3	1	2	1	1	2	3	2	3
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	General Practitioners	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
MAKUENI	11	5	5	1		2				8						21		56			1		59	922	1091
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
MAKUENI	839	239	21.91%	1	171	0	0	0	64	0	3	1091
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
MAKUENI	1091	175	16.04%	73	14	86	2	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
MAKUENI	80	99	152	6	80	62	13	32	60	4	84	29	22	673
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MAKUENI	51%	50%	11%	23%	59%	39%	82%	74%	84%	78%	6%	78%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
MAKUENI	51%	73%	73%	72%	55%	78%	72%	1%	6%	1%	1%	1%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
MAKUENI	29%	64%	41%	14%	27%	11%	59%	21%	7%	40%	15%	18%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
MAKUENI	64%	7%	27%	39%	59%	23%	15%	54%	50%	45%	82%	74%	23%	12%	64%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
MAKUENI	42	74%	40%	81%	81%	50%	79%	74%	57%	67%	38%	42
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
MAKUENI	153	-	40%	29%	18%	37%	44%	39%	54%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
MAKUENI	184		84%	70%	12%	19%	70%	56%	11%	62%	17%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
MAKUENI	184		16%	16%	54%	20%	31%	19%	12%	59%	6%	27%	19%	26%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MAKUENI	184	51%	50%	11%	23%	59%	39%	82%	74%	84%	78%	6%	78%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
MAKUENI	60%	80%	61%	58%	58%	58%	72%	57%	69%	47%	77%	78%	36%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	MAKUENI	75%	83%	94%	79%	52%	83%	74%	55%	0%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	MAKUENI	75%	100%	92%	77%	57%	81%	84%	56%	0%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	MAKUENI	78%	89%	86%	83%	58%	84%	83%	57%	67%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	MAKUENI	74%	100%	96%	86%	26%	91%	71%	33%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	MAKUENI	67%	94%	84%	77%	28%	83%	57%	33%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	MAKUENI	34%	70%	32%	32%	32%	35%	39%	31%	0%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	MAKUENI	38%	50%	50%	43%	19%	45%	45%	16%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	MAKUENI	40%	65%	33%	35%	49%	30%	66%	47%	29%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
MAKUENI		38%	33%	30%	65%	67%	81%	52%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
MAKUENI	39%	39%	73%	20%	20%	55%	75%	36%	25%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
MAKUENI	61%	61%	53%	46%	54%	47%	38%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

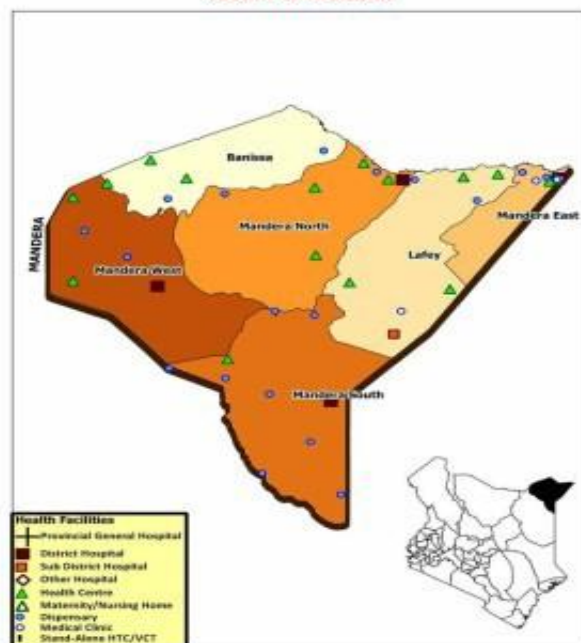
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
MAKUENI		73%	65%	18%	46%
National	36%	54%	49%	14%	26%

## MANDERA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,161,688	43,726,652
Population female	527,542	21,990,837
Population male	634,146	21,735,815
Pregnant Women	56,019	1,893,895
Deliveries	55,602	1,879,796
EOC	417	14,098
live births	55,602	1,879,796
Population <1y	22,072	1,382,112
Population <5y	164,960	6,724,207
Population <15y	172,628	16,985,077
Population 15-24y	174,253	6,558,998
Population 25-59y	360,123	13,555,262
Households	84,809	8,344,425
Size (sq. km)	25991.5	581313.2
Poverty level	45.7	19.0
Percent of population urban	18	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF MANDERA



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	48%	100%	Provide essential health services	General Outpatient	77	72%	100%
	Child Health	70	69%	100%		Integrated MCH / Family Planning services	64	39%	100%
	Screening for communicable conditions	58	44%	100%		Accident and Emergency	27	28%	80%
	Antenatal Care	68	45%	100%		Emergency life support	15	19%	60%
	Prevention of Mother to Child HIV Transmission	60	42%	100%		Maternity	35	36%	100%
	Integrated Vector Management	30	17%	20%		Newborn services	34	25%	80%
	Good hygiene practices	76	75%	100%		Reproductive health	58	34%	100%
	HIV and STI prevention	71	61%	100%		In Patient	14	19%	80%
	Port health	6	5%	20%		Clinical Laboratory	41	33%	80%
	Control and prevention neglected tropical diseases	29	25%	60%		Specialized laboratory	4	8%	20%
Halt, and reverse the Rising burden of NCDs	Health Promotion & Education for NCD's	46	31%	80%	Strengthen collaboration with health related sectors	Imaging	2	2%	20%
	Institutional Screening for NCD's	28	6%	60%		Pharmaceutical	40	30%	100%
	Rehabilitation	10	2%	20%		Blood safety	6	9%	80%
	Workplace Health & Safety	58	50%	60%		Rehabilitation	10	2%	20%
	Food quality & Safety	35	16%	60%		Palliative care	4	2%	40%
Reduce the burden of violence and injuries	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	6%	20%
	Pre hospital Care	70	33%	60%		Comprehensive youth friendly services	10	6%	40%
	OPD/Accident and Emergency	58	31%	100%		General Operations	5	3%	20%
	Management for injuries	68	56%	100%		Specialized Therapies	ND	ND	ND
	Rehabilitation	60	2%	20%		Safe water	65	38%	80%
Minimize exposure to Health risk factors	Health Promotion including health Education	71	70%	80%		Sanitation and hygiene	67	44%	80%
	Sexual education	55	22%	60%		Nutrition services	48	55%	100%
	Substance abuse	33	19%	40%		Pollution control	30	22%	40%
	Micronutrient deficiency control	43	42%	60%		Housing	22	22%	60%
	Physical activity	ND	ND	ND		School health	36	22%	60%
						Water and Sanitation Hygiene		ND	ND
						Food fortification	10	8%	20%
						Population management	18	9%	20%
						Road infrastructure and Transport	8	2%	40%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
MANDERA										
Number	64	5	19	22	13	5	44	1	18	1
Percent		8%	30%	34%	20%	8%	68.8%	1.6%	28.1%	1.6%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
MANDERA	64	5	18	10	38	-	3	0.71	0.26
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
MANDERA	64	12	14	5	10	3	2	2	1	2	1	0	1	2	1	0
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ Gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
MANDERA	4	1	0	0	0	0	1	0	0	6	0	0	0	0	0	9	0	20	0	0	0	0	2	430	473
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
MANDERA	441	26	5.50%	3	17	3	0	0	2	0	1	473
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
MANDERA	473	18	3.81%	2	9	5	2	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
MANDERA	0	0	1		2	1		6	8					456
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MANDERA	55%	70%	25%	30%	52%	45%	83%	84%	81%	61%	13%	80%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
MANDERA	55%	52%	49%	48%	43%	48%	48%	12%	9%	3%	6%	3%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
MANDERA	34%	52%	32%	13%	36%	25%	52%	48%	13%	48%	22%	29%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
MANDERA	52%	13%	36%	45%	52%	30%	22%	58%	70%	38%	83%	84%	10%	22%	52%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
MANDERA	29	24%	17%	21%	28%	14%	24%	10%	7%	7%	3%	29
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
MANDERA	56		13%	16%	18%	20%	21%	21%	27%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
MANDERA	64		81%	52%	30%	43%	72%	13%	12%	48%	14%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
MANDERA	64		81%	52%	30%	43%	72%	13%	12%	48%	14%	81%	52%	30%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MANDERA	64	55%	70%	25%	30%	52%	45%	83%	84%	81%	61%	13%	80%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
MANDERA	52%	71%	51%	33%	75%	43%	66%	74%	73%	39%	55%	65%	47%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	MANDERA	59%	100%	74%	46%	50%	64%	50%	47%	0%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	MANDERA	48%	100%	63%	15%	67%	43%	0%	61%	100%
	National	60%	73%	84%	67%	38%	74%	62%	39%	44%
Malaria services	MANDERA	71%	93%	74%	49%	94%	63%	67%	93%	100%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	MANDERA	52%	100%	84%	33%	33%	61%	0%	33%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	MANDERA	53%	95%	76%	35%	42%	58%	0%	42%	25%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	MANDERA	35%	48%	29%	19%	62%	24%	0%	69%	0%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	MANDERA	18%	60%	21%	14%	11%	21%	33%	11%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	MANDERA	53%	63%	46%	33%	88%	37%	86%	93%	86%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
MANDERA		6%	6%	7%	30%	39%	39%	19%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
MANDERA		29%	42%	6%	3%	39%	46%	9%	4%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
MANDERA		39%	16%	17%	23%	23%	20%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

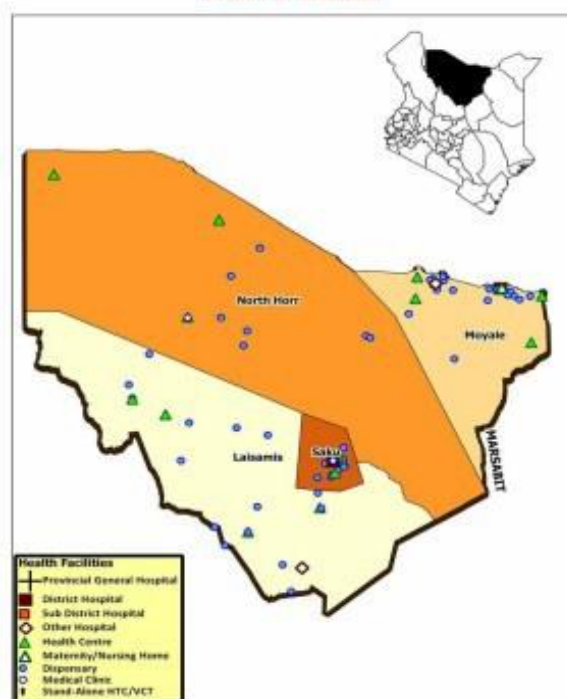
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
MANDERA		52%	45%	6%	9%
National	36%	54%	49%	14%	26%

## MARSABIT COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	329,751	43,726,652
Population female	158,614	21,990,837
Population male	171,137	21,735,815
Pregnant Women	13,421	1,893,895
Deliveries	13,321	1,879,796
EOC	100	14,098
live births	13,321	1,879,796
Population <1y	9,233	1,382,112
Population <5y	47,154	6,724,207
Population <15y	130,152	16,985,077
Population 15-24y	49,463	6,558,998
Population 25-59y	102,223	13,555,262
Households	63,941	8,344,425
Size (sq.km)	70961.2	581313.2
Poverty level	42.2	19.0
Percent of population urban	22	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF MARSABIT



### PROVISION OF KEPH SERVICES

Policy Objective	Services	% facilities offering services			Policy Objective	Services	% facilities offering services		
		National	County-Primary care	County-Hospitals			National	County - Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	77%	100%	Provide essential health services	General Outpatient	77	77%	100%
	Child Health	70	77%	100%		Integrated MCH / Family Planning services	64	69%	100%
	Screening for communicable conditions	58	52%	50%		Accident and Emergency	27	31%	75%
	Antenatal Care	68	78%	100%		Emergency life support	15	17%	25%
	Prevention of Mother to Child HIV Transmission	60	70%	100%		Maternity	35	33%	100%
	Integrated Vector Management	30	10%	25%		Newborn services	34	37%	100%
	Good hygiene practices	76	64%	75%		Reproductive health	58	48%	75%
	HIV and STI prevention	71	70%	75%		In Patient	14	15%	100%
	Port health	6	3%	0%		Clinical Laboratory	41	23%	100%
Halt and reverse the Rising burden of NCDs	Control and prevention neglected tropical diseases	29	8%	50%	Strengthen collaboration with health related sectors	Specialized laboratory	4	5%	25%
	Health Promotion & Education for NCD's	46	30%	50%		Imaging	2	3%	50%
	Institutional Screening for NCD's	28	6%	25%		Pharmaceutical	40	38%	75%
	Rehabilitation	10	5%	25%		Blood safety	6	6%	100%
	Workplace Health & Safety	58	45%	50%		Rehabilitation	10	5%	25%
Reduce the burden of violence and injuries	Food quality & Safety	35	22%	50%		Palliative care	4	5%	0%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	5%	0%
	Pre hospital Care	70	18%	25%		Comprehensive youth friendly services	10	7%	0%
	OPD/Accident and Emergency	58	39%	75%		General Operations	5	2%	50%
	Management for injuries	68	60%	100%		Specialized Therapies	ND	ND	ND
Minimize exposure to Health risk factors	Rehabilitation	60	5%	25%		Safe water	65	61%	75%
	Health Promotion including health Education	71	71%	75%		Sanitation and hygiene	67	64%	75%
	Sexual education	55	46%	50%		Nutrition services	48	71%	100%
	Substance abuse	33	28%	25%		Pollution control	30	16%	25%
	Micronutrient deficiency control	43	49%	75%		Housing	22	10%	25%
	Physical activity	ND	ND	ND		School health	36	26%	50%
						Water and Sanitation Hygiene		ND	ND
						Food fortification	10	3%	25%
						Population management	18	14%	25%
						Road infrastructure and Transport	8	3%	0%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
MARSABIT										
Number	89	4	15	49	15	6	55	14	19	1
Percent		4%	17%	55%	17%	7%	61.8%	15.7%	21.3%	1.1%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
MARSABIT	89	5	24	16	62		3	0.94	0.26
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
MARSABIT	89	15	22	9	22	5	2	2	1	1	2	1	1	3	1	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
MARSABIT	2	0	3	4	0	0	0	1	0	6	0	2	0	0	0	4	0	65	2	0	0	0	34	624	747
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
MARSABIT	589	155	20.75%	19	134	2	0	0	0	0	0	747
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
MARSABIT	747	136	18.21%	15	13	107	1	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Manageme nt	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Manageme nt	Human Resource Manageme nt	Financial Manageme nt	Procureme nt / supply manageme nt	Health Information manageme nt
MARSABIT	71	12	103	5	41	12	2	11	20	1	7	3	31
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspensi on
MARSABIT	89	49%	57%	8%	27%	55%	19%	84%	76%	81%	72%	4%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
MARSABIT	49%	63%	61%	63%	52%	68%	62%	3%	17%	1%	2%	2%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
MARSABIT	28%	57%	35%	14%	40%	8%	55%	26%	9%	38%	14%	17%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
MARSABIT		57%	9%	40%	19%	55%	27%	14%	62%	57%	39%	84%	76%	6%	13%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
MARSABIT	25		40%	32%	60%	52%	32%	48%	48%	4%	24%	8%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities					
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)
MARSABIT	76		16%	13%	13%	16%	16%	24%
National	5840	41%	47%	37%	31%	42%	42%	40%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
MARSABIT	89		81%	61%	17%	56%	73%	11%	4%	48%	4%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
MARSABIT	89		15%	13%	40%	20%	30%	14%	11%	69%	12%	31%	24%	29%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MARSABIT	89	49%	57%	8%	27%	55%	19%	84%	76%	81%	72%	4%	80%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
MARSABIT	56%	85%	60%	51%	59%	51%	73%	57%	79%	42%	71%	73%	38%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	MARSABIT	61%	100%	73%	67%	33%	69%	75%	26%	100%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	MARSABIT	49%	50%	53%	53%	39%	47%	79%	33%	100%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	MARSABIT	74%	100%	87%	76%	55%	78%	88%	54%	33%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	MARSABIT	75%	100%	87%	84%	43%	88%	79%	43%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	MARSABIT	65%	100%	78%	69%	40%	72%	75%	40%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	MARSABIT	35%	75%	37%	31%	34%	32%	47%	36%	0%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	MARSABIT	13%	33%	13%	12%	13%	12%	17%	13%	33%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	MARSABIT	41%	75%	45%	32%	53%	30%	70%	51%	57%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
MARSABIT		11%	11%	4%	51%	58%	60%	24%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
MARSABIT		34%	57%	12%	6%	43%	59%	15%	10%	12%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
MARSABIT		47%	24%	29%	31%	27%	34%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

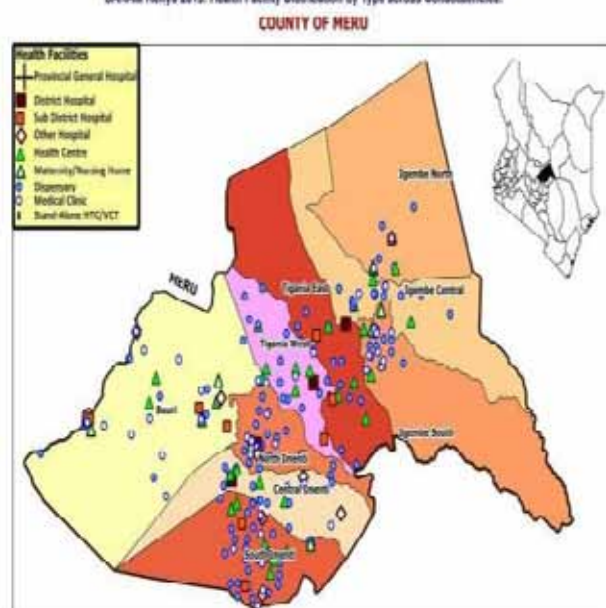
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
MARSABIT		47%	24%	29%	31%
National	36%	54%	49%	14%	26%

## MERU COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,536,036	43,726,652
Population female	776,506	21,990,837
Population male	759,530	21,735,815
Pregnant Women	69,777	1,893,895
Deliveries	69,257	1,879,796
EOC	519	14,098
live births	69,257	1,879,796
Population <1y	43,009	1,382,112
Population <5y	219,653	6,724,207
Population <15y	594,588	16,985,077
Population 15-24y	230,405	6,558,998
Population 25-59y	476,171	13,555,262
Households	292,109	8,344,425
Size (sq. km)	6936.2	581313.2
Poverty level	6.2	19.0
Percent of population urban	12	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	39%	81%	Provide essential health services	General Outpatient	77	71%	81%
	Child Health	70	44%	74%		Integrated MCH / Family Planning services	64	40%	70%
	Screening for communicable conditions	58	36%	70%		Accident and Emergency	27	13%	44%
	Antenatal Care	68	43%	81%		Emergency life support	15	9%	33%
	Prevention of Mother to Child HIV Transmission	60	36%	81%		Maternity	35	10%	74%
	Integrated Vector Management	30	16%	41%		Newborn services	34	15%	63%
	Good hygiene practices	76	65%	78%		Reproductive health	58	38%	70%
	HIV and STI prevention	71	49%	74%		In Patient	14	5%	56%
	Port health	6	4%	4%		Clinical Laboratory	41	45%	85%
	Control and prevention neglected tropical diseases	29	17%	33%		Specialized laboratory	4	3%	15%
Halt, and reverse the Rising burden of NCDs	Health Promotion & Education for NCD's	46	45	4871	Strengthen collaboration with health related sectors	Imaging	2	2%	44%
	Institutional Screening for NCD's	28	31	3489		Pharmaceutical	40	32%	70%
	Rehabilitation	10	17	30		Blood safety	6	2%	33%
	Workplace Health & Safety	58	71	70		Rehabilitation	10	6%	30%
	Food quality & Safety	35	39	52		Palliative care	4	2%	19%
Reduce the burden of Violence and injuries	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	5%	33%
	Pre hospital Care	70	23	67		Comprehensive youth friendly services	10	3%	26%
	OPD/Accident and Emergency	58	25	100		General Operations	5	2%	30%
	Management for injuries	68	45	100		Specialized Therapies			
	Rehabilitation	60	6	33		Safe water	65	49%	74%
Minimize Exposure to health risk factors	Health Promotion including health Education	71	56	74		Sanitation and hygiene	67	47%	78%
	Sexual education	55	39	63		Nutrition services	48	26%	56%
	Substance abuse	33	24	37		Pollution control	30	22%	59%
	Micronutrient deficiency control	43	25	63		Housing	22	10%	41%
	Physical activity	ND	ND	ND		School health	36	18%	52%
						Water and Sanitation Hygiene			
						Food fortification	10	4%	15%
						Population management	18	7%	26%
						Road infrastructure and Transport	8	3%	7%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
MERU										
Number	361	25	30	114	182	10	113	52	193	3
Percent	100%	7%	8%	32%	50%	3%	31.3%	14.4%	53.5%	0.8%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
MERU	361	13	37	10	20		12	1.00	0.09
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
MERU	361	36	67	37	66	15	7	6	4	6	4	2	5	8	4
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (CCU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
MERU	12	8	12	10		2	13	10		18	2	4			2	36		48	22	2	11	4	76	2313	2605
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
MERU	2253	344	13.21%	13	135	8	0	0	0	2	186	2605
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
MERU	2605	142	5.45%	23	42	73	4	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
MERU	60	43	209	17	159	36	22	36	37	10	24	22	18
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MERU	49%	57%	8%	27%	55%	19%	84%	76%	81%	72%	4%	80%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavaccine)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
MERU	42%	39%	39%	38%	32%	48%	36%	2%	5%	0%	0%	2%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
MERU	21%	28%	19%	7%	15%	11%	51%	14%	10%	42%	15%	23%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
MERU	33%	28%	10%	15%	33%	51%	31%	15%	45%	64%	29%	62%	50%	14%	16%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
MERU	66	36%	42%	14%	52%	53%	26%	52%	42%	29%	36%	11%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
MERU	192	27%	34%	23%	13%	29%	30%	27%	36%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
MERU	361	33%	67%	48%	24%	26%	66%	27%	5%	26%	9%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
MERU	361	24%	21%	11%	29%	28%	34%	17%	9%	46%	11%	37%	30%	15%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items											
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension	
MERU	361	42%	64%	11%	31%	51%	33%	62%	50%	67%	47%	4%	65%	
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%	

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
MERU	64%	87%	64%	64%	59%	64%	67%	64%	54%	49%	77%	82%	48%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	MERU	56%	75%	70%	55%	53%	58%	68%	53%	40%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	MERU	56%	49%	62%	73%	41%	75%	68%	50%	25%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	MERU	60%	78%	79%	70%	51%	74%	74%	51%	25%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	MERU	41%	81%	87%	61%	20%	77%	53%	20%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	MERU	33%	68%	77%	44%	17%	60%	42%	17%	6%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	MERU	24%	54%	41%	21%	20%	30%	27%	20%	5%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	MERU	16%	41%	37%	17%	10%	28%	15%	10%	25%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	MERU	46%	63%	50%	42%	45%	41%	61%	45%	18%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
MERU	26%	10%	9%	9%	45%	44%	46%	20%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
MERU	17%	17%	36%	8%	7%	11%	35%	14%	11%	13%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
MERU	21%	28%	16%	19%	26%	18%	21%
National	37%	47%	34%	32%	41%	31%	38%

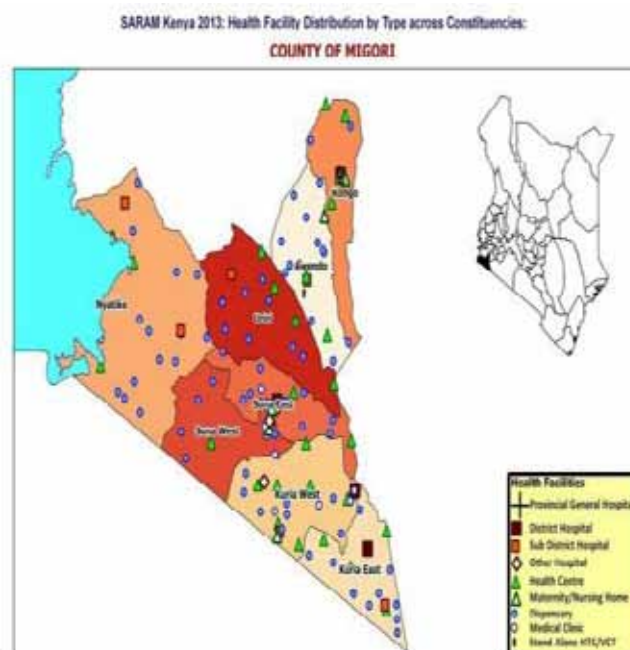
### Health governance readiness

County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
MERU	22%	35%	31%	8%	12%
National	36%	54%	49%	14%	26%

## MIGORI COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,038,712	43,726,652
Population female	535,471	21,990,837
Population male	503,241	21,735,815
Pregnant Women	41,859	1,893,895
Deliveries	41,547	1,879,796
EOC	312	14,098
live births	41,547	1,879,796
Population <1y	38,432	1,382,112
Population <5y	180,736	6,724,207
Population <15y	412,031	16,985,077
Population 15-24y	155,807	6,558,998
Population 25-59y	322,001	13,555,262
Households	202,423	8,344,425
Size (sq.km)	2596.4	581313.2
Poverty level	19	19.0
Percent of population urban	34	29.9



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	81%	100%	Provide essential health services	General Outpatient	77	83%	100%
	Child Health	70	86%	92%		Integrated MCH / Family Planning services	64	83%	92%
	Screening for communicable conditions	58	74%	92%		Accident and Emergency	27	50%	69%
	Antenatal Care	68	83%	100%		Emergency life support	15	35%	54%
	Prevention of Mother to Child HIV Transmission	60	79%	100%		Maternity	35	71%	100%
	Integrated Vector Management	30	51%	85%		Newborn services	34	63%	100%
	Good hygiene practices	76	83%	100%		Reproductive health	58	75%	92%
	HIV and STI prevention	71	83%	100%		In Patient	14	28%	100%
	Port health	6	8%	8%		Clinical Laboratory	41	49%	100%
Halt and reverse the Rising burden of NCDs	Control and prevention neglected tropical diseases	29	53%	62%		Specialized laboratory	4	10%	23%
	Health Promotion & Education for NCD's	46	70	85		Imaging	2	6%	23%
	Institutional Screening for NCD's	28	56	85		Pharmaceutical	40	41%	92%
	Rehabilitation	10	26	46		Blood safety	6	12%	69%
	Workplace Health & Safety	58	70	100		Rehabilitation	10	26%	46%
Reduce the burden of violence and injuries	Food quality & Safety	35	56	85		Palliative care	4	11%	15%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	13%	46%
	Pre hospital Care	70	60	85		Comprehensive youth friendly services	10	21%	38%
	OPD/Accident and Emergency	58	66	92		General Operations	5	11%	54%
	Management for injuries	68	80	100	Strengthen collaboration with health related sectors	Specialized Therapies			
Minimize exposure to Health risk factors	Rehabilitation	60	26	46		Safe water	65	86%	100%
	Health Promotion including health Education	71	88	100		Sanitation and hygiene	67	86%	100%
	Sexual education	55	82	100		Nutrition services	48	61%	77%
	Substance abuse	33	52	62		Pollution control	30	60%	85%
	Micronutrient deficiency control	43	58	77		Housing	22	43%	77%
	Physical activity	ND	ND	ND		School health	36	62%	85%
						Water and Sanitation Hygiene			
						Food fortification	10	27%	69%
						Population management	18	52%	85%
						Road infrastructure and Transport	8	21%	62%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
MIGORI										
Number	169	13	27	93	26	10	108	36	24	1
Percent	100%	8%	16%	55%	15%	6%	63.9%	21.3%	14.2%	0.6%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
MIGORI	169	7	16	3	14		7	0.69	0.09
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
MIGORI	169	48	58	19	47	22	4	2	4	3	2	1	2	5	3	4
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
MIGORI	25	2	1	5			1	3		1						11	46			2		1	66	863	1027
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
MIGORI	713	290	28.24%	7	243	18	0	0	5	11	6	1027
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
MIGORI	2605	142	5.45%	23	42	73	4	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
MIGORI	45	40	122	26	112	4	5	13	56	49	39	15	62
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MIGORI	42%	64%	11%	31%	51%	33%	62%	50%	67%	47%	4%	65%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
MIGORI	42%	39%	39%	38%	32%	48%	36%	2%	5%	0%	0%	2%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
MIGORI	32%	71%	34%	25%	43%	22%	46%	29%	10%	32%	21%	16%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
MIGORI	44%	71%	10%	43%	41%	46%	30%	21%	57%	46%	53%	79%	67%	28%	18%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
MIGORI	50	57%	68%	38%	68%	68%	56%	70%	64%	54%	58%	28%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
MIGORI	147	44%	49%	41%	32%	45%	44%	42%	52%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
MIGORI	169	48%	77%	57%	27%	77%	70%	64%	7%	45%	10%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
MIGORI	169	22%	14%	16%	51%	18%	29%	19%	7%	43%	10%	25%	20%	14%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MIGORI	169	61%	83%	68%	52%	70%	55%	67%	75%	74%	57%	11%	72%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
MIGORI	64%	87%	64%	64%	59%	64%	67%	64%	54%	49%	77%	82%	48%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	MIGORI	83%	96%	89%	82%	76%	83%	79%	84%	100%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	MIGORI	73%	92%	93%	70%	59%	76%	67%	68%	100%
	National	60%	73%	84%	67%	39%	74%	62%	39%	44%
Malaria services	MIGORI	69%	90%	68%	64%	74%	65%	65%	89%	100%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	MIGORI	80%	100%	89%	88%	49%	88%	72%	60%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	MIGORI	72%	92%	86%	74%	50%	78%	63%	58%	50%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	MIGORI	38%	66%	41%	31%	45%	32%	44%	56%	20%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	MIGORI	59%	85%	74%	58%	39%	64%	56%	40%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	MIGORI	41%	71%	45%	26%	68%	27%	60%	78%	71%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

County	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
MIGORI	59%	48%	48%	48%	67%	70%	71%	59%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

County	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
MIGORI	58%	64%	78%	39%	35%	71%	77%	53%	50%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

County	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
MIGORI	69%	70%	66%	66%	71%	73%	65%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

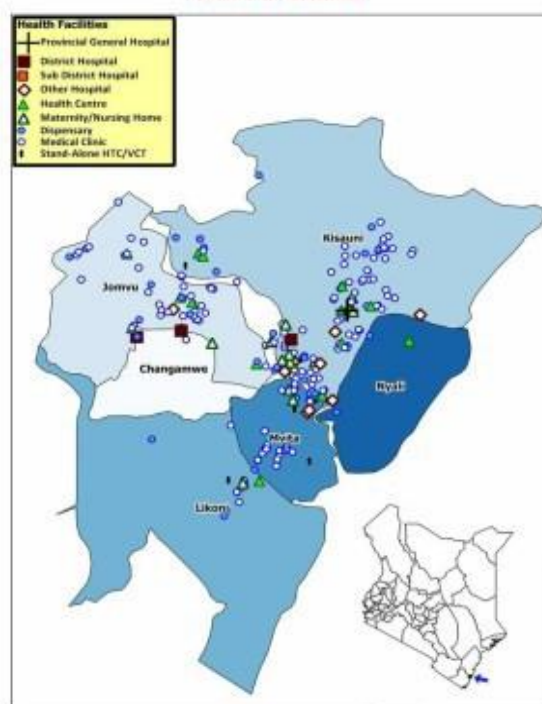
County	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
MIGORI	54%	72%	71%	30%	43%
National	36%	54%	49%	14%	26%

## MOMBASA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,063,854	43,726,652
Population female	512,403	21,990,837
Population male	551,450	21,735,815
Pregnant Women	47,217	1,893,895
Deliveries	46,866	1,879,796
EOC	351	14,098
live births	46,866	1,879,796
Population <1y	37,235	1,382,112
Population <5y	172,344	6,724,207
Population <15y	409,499	16,985,077
Population 15-24y	159,578	6,558,998
Population 25-59y	329,795	13,555,262
Households	201,178	8,344,425
Size (sq.km)	218.9	581,313.2
Poverty level	8.7	19.0
Percent of population urban	100	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF MOMBASA



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	27%	75%	Provide essential health services	General Outpatient	77	55%	88%
	Child Health	70	37%	75%		Integrated MCH / Family Planning services	64	33%	63%
	Screening for communicable conditions	58	38%	81%		Accident and Emergency	27	12%	63%
	Antenatal Care	68	40%	75%		Emergency life support	15	10%	44%
	Prevention of Mother to Child HIV Transmission	60	23%	69%		Maternity	35	17%	75%
	Integrated Vector Management	30	10%	44%		Newborn services	34	15%	75%
	Good hygiene practices	76	51%	81%		Reproductive health	58	30%	69%
	HIV and STI prevention	71	45%	75%		In Patient	14	8%	75%
	Port health	6	3%	6%		Clinical Laboratory	41	38%	81%
Halt, and reverse the Rising burden of NCDs	Control and prevention neglected tropical diseases	29	17%	38%		Specialized laboratory	4	5%	50%
	Health Promotion & Education for NCD's	46	28%	56%	Strengthen collaboration with health related sectors	Imaging	2	2%	75%
	Institutional Screening for NCD's	28	18%	63%		Pharmaceutical	40	22%	75%
	Rehabilitation	10	5%	38%		Blood safety	6	4%	56%
	Workplace Health & Safety	58	35%	63%		Rehabilitation	10	5%	38%
Reduce the burden of violence and injuries	Food quality & Safety	35	17%	56%		Palliative care	4	2%	38%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	6%	50%
	Pre hospital Care	70	38%	15%		Comprehensive youth friendly services	10	9%	25%
	OPD/Accident and Emergency	58	19%	22%		General Operations	5	3%	63%
	Management for injuries	68	75%	43%		Specialized Therapies			
Minimize exposure to health risk factors	Rehabilitation	60	3%	5%		Safe water	65	40%	100%
	Health Promotion including health Education	71	45%	69%		Sanitation and hygiene	67	38%	100%
	Sexual education	55	33%	44%		Nutrition services	48	15%	100%
	Substance abuse	33	17%	31%		Pollution control	30	12%	80%
	Micronutrient deficiency control	43	15%	50%		Housing	22	5%	100%
	Physical activity	ND	ND	ND		School health	36	9%	80%
						Water and Sanitation Hygiene			
						Food fortification	10	3%	80%
						Population management	18	4%	60%
						Road infrastructure and Transport	8	3%	40%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
MOMBASA										
Number	293	15	20	49	196	13	48	38	190	17
Percent	5%	7%	17%	67%	4%	5%	16.4%	13.0%	64.8%	5.8%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
MOMBASA	293	11	31	1	17		11	1.09	0.08
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

Service units availability																
County	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
MOMBASA	293	48	71	41	77	19	10	7	6	6	5	1	6	7	4	5
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (CCU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
MOMBASA	34	44	42	23		3	6	9		33	2	25				159		39	26	32	20	13	85	4099	4694
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
MOMBASA	3429	1253	26.69%	8	1157	17	0	0	0	6	65	4694
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
MOMBASA	4694	1173	24.99%	553	110	481	28	1
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
MOMBASA	71	79	200	38	222	38	7	93	28	63	54	7	42	1270
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MOMBASA	38%	53%	15%	45%	41%	39%	48%	39%	51%	34%	8%	57%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunization										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
MOMBASA	38%	25%	25%	25%	23%	39%	24%	4%	3%	2%	3%	3%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
MOMBASA	24%	29%	24%	13%	13%	15%	41%	29%	18%	33%	20%	25%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
MOMBASA	33%	29%	18%	13%	39%	41%	45%	20%	42%	53%	33%	48%	39%	20%	25%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
MOMBASA	35%	44%	26%	42%	46%	34%	42%	36%	30%	32%	20%	35%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

County	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities					
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RH2) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)
MOMBASA	104	43%	42%	43%	38%	44%	42%	44%
National	5840	41%	47%	37%	31%	42%	42%	40%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
MOMBASA	293	32%	51%	49%	39%	42%	54%	18%	5%	19%	8%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
MOMBASA	293	23%	21%	16%	40%	18%	37%	20%	17%	26%	13%	36%	18%	15%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MOMBASA	293	38%	53%	15%	45%	41%	39%	48%	39%	51%	34%	8%	57%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
MOMBASA	50%	77%	68%	62%	44%	63%	66%	46%	37%	44%	57%	59%	38%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	County	50%	53%	53%	69%	44%	63%	48%	46%	52%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	County	50%	81%	75%	54%	34%	67%	50%	36%	22%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	County	87%	100%	98%	86%	56%	89%	81%	89%	0%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	County	50%	75%	70%	69%	16%	71%	43%	20%	17%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	County	50%	72%	63%	49%	16%	52%	34%	20%	17%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	County	50%	66%	39%	26%	21%	22%	31%	24%	16%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	County	50%	52%	40%	30%	17%	38%	20%	19%	12%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	County	50%	74%	59%	55%	39%	52%	54%	42%	35%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
MOMBASA	26%	12%	12%	13%	43%	44%	40%	18%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
MOMBASA	15%	14%	18%	8%	10%	13%	29%	14%	15%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
MOMBASA	15%	17%	13%	13%	16%	16%	17%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

	Mean readiness	% facilities ready, by different variables		
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place
MOMBASA	13%	17%	15%	7%
National	36%	54%	49%	14%

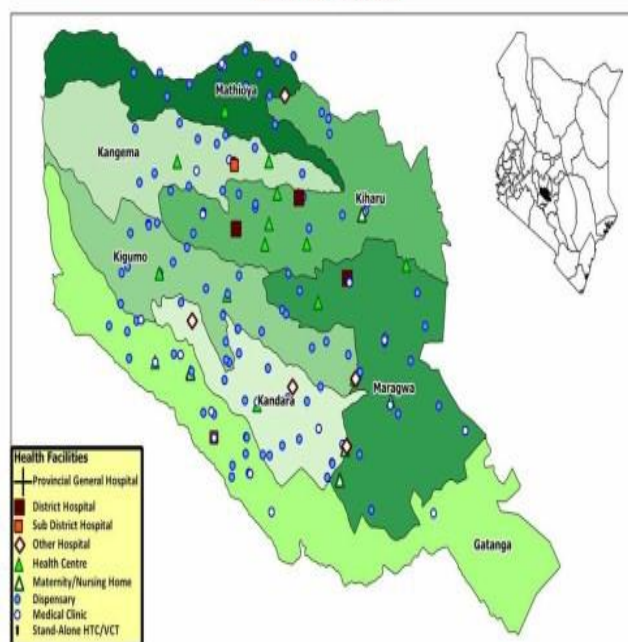
## MURANGA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,067,490	43,726,652
Population female	548,951	21,990,837
Population male	518,539	21,735,815
Pregnant Women	36,859	1,893,895
Deliveries	36,585	1,879,796
EOC	274	14,098
live births	36,585	1,879,796
Population <1y	26,687	1,382,112
Population <5y	130,234	6,724,207
Population <15y	389,523	16,985,077
Population 15-24y	160,124	6,558,998
Population 25-59y	330,922	13,555,262
Households	191,365	8,344,425
Size (sq.km)	2558.8	581313.2
Poverty level	10.7	19.0
Percent of population urban	16	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:

#### COUNTY OF MURANG'A



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	67%	80%	Provide essential health services	General Outpatient	77	93%	80%
	Child Health	70	86%	100%		Integrated MCH / Family Planning services	64	75%	90%
	Screening for communicable conditions	58	75%	90%		Accident and Emergency	27	23%	70%
	Antenatal Care	68	83%	90%		Emergency life support	15	13%	50%
	Prevention of Mother to Child HIV Transmission	60	75%	90%		Maternity	35	28%	70%
	Integrated Vector Management	30	35%	60%		Newborn services	34	25%	60%
	Good hygiene practices	76	87%	100%		Reproductive health	58	71%	80%
	HIV and STI prevention	71	86%	90%		In Patient	14	8%	70%
	Port health	6	12%	30%		Clinical Laboratory	41	53%	80%
Halt, and reverse the Rising burden of NCDs	Control and prevention neglected tropical diseases	29	45%	60%		Specialized laboratory	4	3%	50%
	Health Promotion & Education for NCD's	46	62%	100%		Imaging	2	2%	30%
	Institutional Screening for NCD's	28	54%	70%		Pharmaceutical	40	21%	60%
	Rehabilitation	10	9%	70%		Blood safety	6	4%	60%
	Workplace Health & Safety	58	66%	100%		Rehabilitation	10	9%	70%
Reduce the burden of violence and injuries	Food quality & Safety	35	38%	90%		Palliative care	4	1%	50%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	2%	50%
	Pre hospital Care	70	58%	70%		Comprehensive youth friendly services	10	6%	40%
	OPD/Accident and Emergency	58	55%	90%		General Operations	5	2%	60%
	Management for injuries	68	81%	90%	Strengthen collaboration with health related sectors	Specialized Therapies			
Minimize exposure to Health risk factors	Rehabilitation	60	9%	70%		Safe water	65	71%	70%
	Health Promotion including health Education	71	85%	90%		Sanitation and hygiene	67	71%	90%
	Sexual education	55	65%	60%		Nutrition services	48	54%	70%
	Substance abuse	33	49%	60%		Pollution control	30	37%	40%
	Micronutrient deficiency control	43	65%	80%		Housing	22	25%	50%
	Physical activity	ND	ND	ND		School health	36	32%	50%
						Water and Sanitation Hygiene			
						Food fortification	10	13%	30%
						Population management	18	25%	10%
						Road infrastructure and Transport	8	8%	10%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
MURANGA										
Number	184	10	17	117	36	4	106	33	43	2
Percent	5%	9%	64%	20%	2%	5%	57.6%	17.9%	23.4%	1.1%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per County	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
MURANGA	184	7	13		15		7	0.73	0.07
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
MURANGA	184	28	77	30	49	9	5	5	3	2	1	1	2	4	2	4
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
MURANGA	2	3				1	1	1								14		33				1	10	757	823
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
MURANGA	748	75	9.11%	0	14	0	0	0	2	0	59	823
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

County	Total Staff	Number Long term Training	% Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
MURANGA	823	20	2.43%	6	4	7		3
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
MURANGA	2	4	30		13	1	1	1	1		3		1
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
MURANGA	60%	95%	20%	35%	72%	40%	91%	88%	84%	80%	8%	77%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
MURANGA	60%	68%	69%	68%	62%	75%	63%	3%	5%	3%	5%	5%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

Availability of maternal health tracer commodities												
	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
MURANGA	39%	66%	52%	24%	41%	20%	72%	21%	11%	71%	15%	35%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

Availability of life saving commodities															
	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
MURANGA	52%	66%	11%	41%	40%	72%	35%	15%	84%	95%	40%	91%	88%	26%	18%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									All first line drugs
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (DAT + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	
MURANGA	27%	43%	0%	42%	45%	24%	37%	29%	19%	19%	15%	27%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
MURANGA	148	34%	42%	0%	24%	34%	46%	44%	45%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
MURANGA	184	40%	84%	0%	20%	41%	91%	57%	13%	42%	15%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

Availability of NCD commodities			Percent of facilities with respective tracer items for NCD commodities											
	Total number of facilities	Mean availability of tracer items	Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
MURANGA	184	28%	24%	0%	30%	27%	39%	26%	11%	68%	12%	38%	28%	33%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

Availability of general medicines														
	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items											
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension	
MURANGA	184	60%	95%	20%	35%	72%	40%	91%	88%	84%	80%	8%	77%	
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%	

## READINESS TO PROVIDE SERVICES

### General service readiness

County	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
MURANGA	66%	79%	68%	64%	70%	63%	73%	68%	68%	56%	79%	85%	46%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	County	66%	90%	71%	72%	70%	77%	71%	65%	0%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	County	66%	90%	100%	79%	50%	86%	67%	58%	0%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	County	66%	80%	61%	71%	63%	70%	68%	69%	33%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	County	66%	80%	94%	74%	30%	91%	39%	33%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	County	66%	78%	84%	61%	36%	68%	55%	38%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	County	66%	60%	47%	39%	40%	41%	41%	43%	20%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	County	66%	77%	69%	48%	35%	55%	42%	38%	33%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	County	66%	77%	53%	48%	74%	44%	79%	68%	43%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
MURANGA	48%	37%	0%	34%	71%	72%	76%	46%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
MURANGA	15%	14%	18%	8%	10%	13%	29%	14%	15%	15%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
MURANGA	30%	36%	0%	33%	38%	25%	48%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

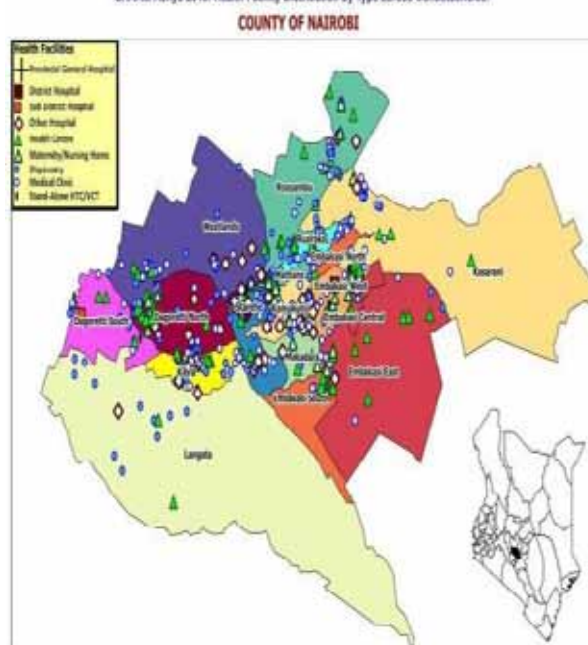
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
MURANGA	31%	61%	0%	17%	44%
National	36%	54%	49%	14%	26%

## NAIROBI COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	3,554,261	43,726,652
Population female	1,736,308	21,990,837
Population male	1,817,953	21,735,815
Pregnant Women	172,143	1,893,895
Deliveries	170,861	1,879,796
EOC	1,281	14,098
live births	170,861	1,879,796
Population <1y	106,628	1,382,112
Population <5y	451,391	6,724,207
Population <15y	1,468,964	16,985,077
Population 15-24y	533,139	6,558,998
Population 25-59y	1,101,821	13,555,262
Households	721,672	8,344,425
Size (sq.km)	695.1	581,313.2
Poverty level	6.9	19.0
Percent of population urban	100	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County - Primary care	County-Hospitals			National	County - Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	34%	50%	Provide essential health services	General Outpatient	77	49%	49%
	Child Health	70	44%	54%		Integrated MCH / Family Planning services	64	37%	49%
	Screening for communicable conditions	58	33%	49%		Accident and Emergency	27	20%	37%
	Antenatal Care	68	40%	50%		Emergency life support	15	13%	29%
	Prevention of Mother to Child HIV Transmission	60	30%	45%		Maternity	35	15%	37%
	Integrated Vector Management	30	13%	16%		Newborn services	34	30%	46%
	Good hygiene practices	76	57%	54%		Reproductive health	58	13%	38%
	HIV and STI prevention	71	49%	50%		In Patient	14	33%	49%
	Oral health	6	6%	9%		Clinical Laboratory	41	7%	17%
Halt, and reverse the Rising burden Of NCDs	Control and prevention of neglected	29	17%	24%	Strengthen collaboration with health related sectors	Specialized laboratory	4	6%	32%
	Health Promotion & Education for NCD's	46	29%	41%		Imaging	2	30%	42%
	Institutional Screening for NCD's	28	17%	30%		Pharmaceutical	40	8%	29%
	Rehabilitation	10	10%	20%		Blood safety	6	10%	20%
	Workplace Health & Safety	58	43%	54%		Rehabilitation	10	6%	22%
Reduce the burden of violence and injuries	Food quality & Safety	35	25%	45%		Palliative care	4	16%	32%
	Health Promotion and education on violence/injuries	63	ND	ND		Specialized clinics	6	10%	25%
	Prehospital Care	70	31%	33%		Comprehensive youth friendly services	10	6%	22%
	OPD/Accident and Emergency	58	28%	41%		General Operations	5	2%	60%
	Management for injuries	68	40%	47%		Specialized Therapies			
Minimize exposure to Health risk factors	Rehabilitation	60	10%	20%		Safe water	65	47%	43%
	Health Promotion including health Education	71	50%	51%		Sanitation and hygiene	67	48%	45%
	Sexual education	55	36%	36%		Nutrition services	48	32%	33%
	Substance abuse	33	22%	29%		Pollution control	30	19%	20%
	Micronutrient deficiency control	43	25%	26%		Housing	22	12%	13%
	Physical activity	ND	ND	ND		School health	36	13%	20%
						Water and Sanitation			
						Food fortification	10	6%	5%
						Population management	18	9%	8%
						Road infrastructure and Transport	8	5%	7%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
NAIROBI										
Number	868	78	94	116	524	56	98	161	571	38
Percent		9%	11%	13%	60%	6%	11.3%	18.5%	65.8%	4.4%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per NAIROBI	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
NAIROBI	868	103	361		17		101	2.80	0.41
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
NAIROBI	868	92	173	96	209	53	18	16	14	18	11	8	19	15	13	7
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
NAIROBI	43	34	48	50	3	17	18	15	9	43	6	14		6	3	1		47	12	142	8	32	89	5167	5807
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
NAIROBI	5379	404	6.96%	4	279	7	0	0	0	27	87	5807
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

NAIROBI	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
NAIROBI	5807	326	5.61%	88	53	110	74	1
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
NAIROBI	7	10	3	11		5	1	1	5	10	8	8	17
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NAIROBI	868	34%	45%	15%	38%	38%	31%	46%	36%	44%	36%	6%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunization										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
NAIROBI	34%	32%	32%	32%	30%	39%	31%	9%	9%	4%	6%	8%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
NAIROBI	23%	26%	20%	16%	15%	15%	38%	27%	13%	37%	22%	26%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

Availability of the following commodities	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
NAIROBI	30%	26%	13%	15%	31%	38%	38%	22%	38%	45%	26%	46%	36%	21%	21%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (DAT + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
NAIROBI	27%	34%	20%	34%	34%	25%	31%	29%	24%	27%	14%	27%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
NAIROBI									
NAIROBI	29%	34%	28%	22%	31%	30%	27%	33%	29%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
NAIROBI	22%	44%	30%	25%	22%	44%	6%	4%	17%	10%	22%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
NAIROBI	25%	22%	16%	36%	25%	34%	24%	18%	30%	17%	36%	24%	14%	25%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

Availability of general medicines	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NAIROBI	34%	45%	15%	38%	38%	31%	46%	36%	44%	36%	6%	46%	34%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
NAIROBI	48%	47%	63%	60%	43%	60%	61%	42%	43%	48%	48%	60%	35%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	NAIROBI	48%	47%	63%	60%	43%	60%	61%	42%	43%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	NAIROBI	48%	53%	72%	59%	34%	61%	55%	36%	62%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	NAIROBI	48%	54%	73%	65%	42%	55%	63%	44%	56%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	NAIROBI	48%	49%	75%	62%	28%	76%	53%	29%	54%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	NAIROBI	48%	46%	60%	49%	29%	58%	48%	30%	43%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	NAIROBI	48%	41%	44%	24%	24%	19%	33%	28%	29%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	NAIROBI	48%	37%	39%	35%	21%	43%	26%	23%	27%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	NAIROBI	48%	51%	64%	60%	43%	40%	68%	45%	47%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
NAIROBI								
NAIROBI	22%	15%	16%	16%	29%	29%	31%	19%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
NAIROBI									
NAIROBI	21%	22%	29%	12%	12%	20%	29%	19%	20%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
NAIROBI	22%	26%	22%	20%	22%	23%	21%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

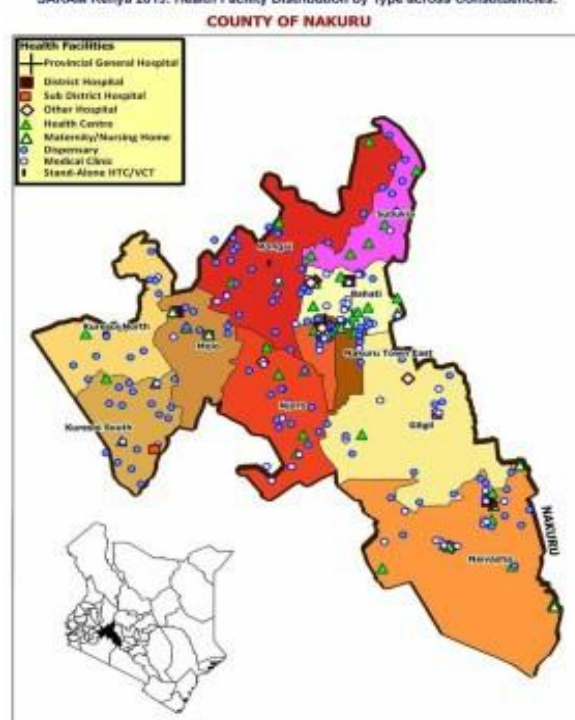
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
NAIROBI					
NAIROBI	18%	21%	20%	11%	20%
National	36%	54%	49%	14%	26%

## NAKURU COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,815,795	43,726,652
Population female	904,591	21,990,837
Population male	911,204	21,735,815
Pregnant Women	76,541	1,893,895
Deliveries	75,971	1,879,796
EOC	570	14,098
live births	75,971	1,879,796
Population <1y	61,737	1,382,112
Population <5y	294,159	6,724,207
Population <15y	738,032	16,985,077
Population 15-24y	272,369	6,558,998
Population 25-59y	562,897	13,555,262
Households	362,580	8,344,425
Size (sq.km)	7495.1	581313.2
Poverty level	12.1	19.0
Percent of population urban	46	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	71%	94%	<b>Provide essential health services</b>	General Outpatient	77	81%	94%
	Child Health	70	73%	94%		Integrated MCH / Family Planning services	64	71%	94%
	Screening for communicable conditions	58	55%	88%		Accident and Emergency	27	24%	71%
	Antenatal Care	68	75%	100%		Emergency life support	15	19%	65%
	Prevention of Mother to Child HIV Transmission	60	65%	100%		Maternity	35	30%	88%
	Integrated Vector Management	30	21%	59%		Newborn services	34	66%	82%
	Good hygiene practices	76	76%	94%		Reproductive health	58	11%	94%
	HIV and STI prevention	71	79%	100%		In Patient	14	50%	100%
	Port health	6	3%	6%		Clinical Laboratory	41	5%	88%
<b>Halt, and reverse the Rising burden Of NCDs</b>	Control and prevention neglected tropical diseases	29	24%	41%		Specialized laboratory	4	4%	24%
	Health Promotion & Education for NCD's	46	45%	65%		Imaging	2	53%	71%
	Institutional Screening for NCD's	28	24%	65%		Pharmaceutical	40	7%	82%
	Rehabilitation	10	5%	59%		Blood safety	6	5%	59%
	Workplace Health & Safety	58	59%	88%		Rehabilitation	10	4%	35%
<b>Reduce the burden of violence and injuries</b>	Food quality & Safety	35	32%	82%		Palliative care	4	6%	71%
	Health Promotion and education on violence / injuries	63	ND	ND		Specialized clinics	6	10%	41%
	Pre hospital Care	70	32%	33%		Comprehensive youth friendly services	10	10%	71%
	OPD/Accident and Emergency	58	44%	41%		General Operations	5	2%	60%
	Management for injuries	68	68%	47%	<b>Strengthen collaboration with health related sectors</b>	Specialized Therapies			
<b>Minimize exposure to Health risk factors</b>	Rehabilitation	60	5%	20%		Safe water	65	64%	94%
	Health Promotion including health Education	71	73%	88%		Sanitation and hygiene	67	66%	94%
	Sexual education	55	58%	76%		Nutrition services	48	42%	82%
	Substance abuse	33	32%	53%		Pollution control	30	33%	53%
	Micronutrient deficiency control	43	32%	59%		Housing	22	18%	53%
	Physical activity	ND	ND	ND		School health	36	32%	59%
						Water and Sanitation Hygiene			
						Food fortification	10	5%	29%
						Population management	18	15%	24%
						Road infrastructure and Transport	8	23%	41%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
NAKURU										
Number	317	17	45	135	102	18	126	80	101	10
Percent	5%	14%	43%	32%	6%	5%	39.7%	25.2%	31.9%	3.2%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per NAKURU	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
NAKURU	317	25	69	9	41		25	1.38	0.21
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available												
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards
NAKURU	317	64	118	47	98	19	11	10	6	9	3	2	6	10
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
NAKURU	28	5	23	6		2	5	5		19	1	14		3		81		117	16	6	4	12	63	3463	3873
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
NAKURU	3270	557	14.38%	13	316	5	0	0	5	2	216	3873
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

NAKURU	Tota Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
NAKURU	3873	349	9.01%	80	46	214	9	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrate d vector Manage ment	HIV and STI preventio ns	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Manage ment	Human Resource Manage ment	Financial Manage ment	Procurm ent / supply manage ment	Health Informati on manage ment
NAKURU	45	48	223	18	133	6	20	23	17	9	193	214	38
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

Availability of essential medicines for children												
	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NAKURU	53%	78%	15%	44%	62%	41%	78%	66%	74%	67%	9%	76%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
NAKURU	53%	65%	66%	66%	54%	72%	62%	5%	10%	1%	3%	4%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
NAKURU	32%	56%	31%	18%	27%	15%	62%	23%	16%	59%	21%	28%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
NAKURU	46%	56%	16%	27%	41%	62%	44%	21%	61%	78%	40%	78%	66%	27%	22%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
NAKURU	44%	56%	20%	56%	55%	44%	51%	51%	41%	48%	16%	44%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
NAKURU	27%	25%	20%	19%	32%	31%	26%	37%	27%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
NAKURU	42%	74%	67%	29%	52%	77%	5%	4%	47%	27%	42%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
NAKURU	31%	27%	17%	57%	30%	38%	23%	15%	59%	13%	43%	27%	19%	31%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NAKURU	53%	78%	15%	44%	62%	41%	78%	66%	74%	67%	9%	76%	53%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
NAKURU	48%	47%	63%	60%	43%	60%	61%	42%	43%	48%	48%	60%	35%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	NAKURU	48%	47%	63%	60%	43%	60%	61%	42%	43%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	NAKURU	48%	53%	72%	59%	34%	61%	55%	36%	62%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	NAKURU	48%	54%	73%	65%	42%	55%	63%	44%	56%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	NAKURU	48%	49%	75%	62%	28%	76%	53%	29%	54%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	NAKURU	48%	46%	60%	49%	29%	58%	48%	30%	43%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	NAKURU	48%	41%	44%	24%	24%	19%	33%	28%	29%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	NAKURU	48%	37%	39%	35%	21%	43%	26%	23%	27%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	NAKURU	48%	51%	64%	60%	43%	40%	68%	45%	47%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
NAKURU								
NAKURU	22%	15%	16%	16%	29%	29%	31%	19%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
NAKURU										
NAKURU	21%	22%	29%	12%	12%	20%	29%	19%	20%	23%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
NAKURU							
NAKURU	22%	26%	22%	20%	22%	23%	21%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

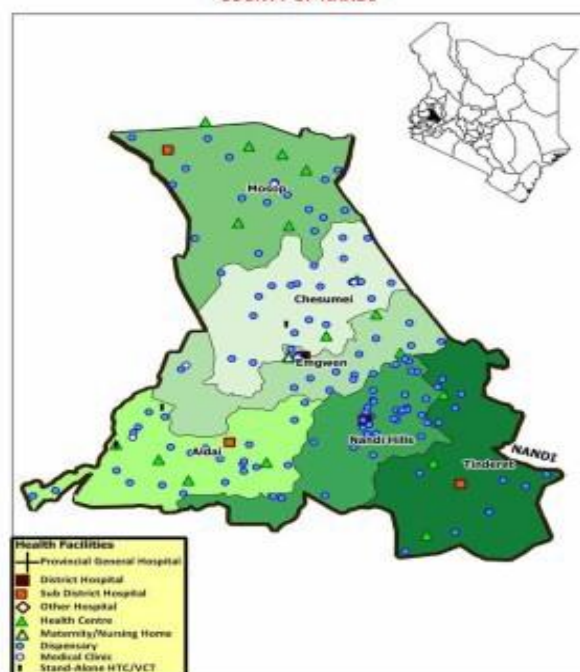
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
NAKURU					
NAKURU	18%	21%	20%	11%	20%
National	36%	54%	49%	14%	26%

## NANDI COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	852,747	43,726,652
Population female	426,367	21,990,837
Population male	426,380	21,735,815
Pregnant Women	38,768	1,893,895
Deliveries	38,479	1,879,796
EOC	289	14,098
live births	38,479	1,879,796
Population <1y	28,993	1,382,112
Population <5y	138,145	6,724,207
Population <15y	345,951	16,985,077
Population 15-24y	127,912	6,558,998
Population 25-59y	264,352	13,555,262
Households	169,959	8,344,425
Size (sq.km)	2884.2	581313.2
Poverty level	13.7	19.0
Percent of population urban	14	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF NANDI



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	59%	100%	Provide essential health services	General Outpatient	77	79%	100%
	Child Health	70	70%	100%		Integrated MCH / Family Planning services	64	68%	100%
	Screening for communicable conditions	58	71%	100%		Accident and Emergency	27	20%	80%
	Antenatal Care	68	51%	100%		Emergency life support	15	11%	60%
	Prevention of Mother to Child HIV Transmission	60	66%	100%		Maternity	35	21%	100%
	Integrated Vector Management	30	65%	60%		Newborn services	34	23%	80%
	Good hygiene practices	76	32%	100%		Reproductive health	58	54%	100%
	HIV and STI prevention	71	76%	100%		In Patient	14	14%	100%
	Port health	6	73%	0%		Clinical Laboratory	41	40%	100%
Halt and reverse the Rising burden Of NCDs	Control and prevention neglected	29	9%	40%		Specialized laboratory	4	3%	20%
	Health Promotion & Education for NCD's	46	41%	100%		Imaging	2	1%	40%
	Institutional Screening for NCD's	28	20%	80%		Pharmaceutical	40	38%	100%
	Rehabilitation	10	7%	40%		Blood safety	6	3%	20%
	Workplace Health & Safety	58	61%	100%		Rehabilitation	10	7%	40%
Reduce the burden of violence and injuries	Food quality & Safety	35	37%	100%		Palliative care	4	3%	40%
	Health Promotion and education on violence/injuries	63	ND	ND		Specialized clinics	6	3%	40%
	Pre-hospital Care	70	30%	60%		Comprehensive youth friendly services	10	4%	40%
	OPD/Accident and Emergency	58	40%	80%		General Operations	5	4%	40%
	Management for injuries	68	61%	100%	Strengthen collaboration with health related sectors	Specialized Therapies			
Minimize exposure to health risk factors	Rehabilitation	60	7%	40%		Safe water	65	70%	100%
	Health Promotion including health Education	71	78%	100%		Sanitation and hygiene	67	69%	100%
	Sexual education	55	54%	80%		Nutrition services	48	44%	100%
	Substance abuse	33	27%	60%		Pollution control	30	32%	60%
	Micronutrient deficiency control	43	28%	60%		Housing	22	29%	80%
	Physical activity	ND	ND	ND		School health	36	47%	40%
						Water and Sanitation Hygiene			
						Food fortification	10	5%	0%
						Population management	18	16%	60%
						Road infrastructure and Transport	8	12%	40%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
NANDI										
Number	175	5	19	130	20	1	116	32	23	4
Percent		3%	11%	74%	11%	1%	66.3%	18.3%	13.1%	2.3%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per NANDI	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
NANDI	175	7	19	11	43		6	0.71	0.10
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
NANDI	175	25	37	11	30	7	1	2	0	1	1	1	1	2	1	2
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ Gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
NANDI	8		4	5		1		1	1	4	3			2		9		20	2	17		2	47	989	1115
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
NANDI	1110	4	0.36%	3	0	0	0	0	0	0	1	1115
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Tota Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
NANDI	1115	2	0.18%			2		
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrate d vector Manage ment	HIV and STI preventio ns	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Manage ment	Human Resource Manage ment	Financial Manage ment	Procurem ent / supply manage ment	Health Informati on manage ment	Other
NANDI	13	12	166	76	59	12		2	7	2	18	3	30	690
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NANDI	40%	63%	9%	17%	43%	27%	62%	53%	68%	46%	4%	59%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
NANDI	40%	52%	51%	52%	49%	51%	47%	2%	2%	0%	0%	1%
National	23%	88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole in syrup	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
NANDI	23%	47%	24%	19%	33%	9%	43%	15%	2%	42%	7%	8%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
NANDI	33%	47%	2%	33%	27%	43%	17%	7%	52%	63%	31%	62%	53%	9%	9%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
NANDI	60%	69%	35%	73%	77%	58%	69%	65%	58%	62%	31%	60%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
NANDI	14%	15%	8%	8%	15%	16%	16%	22%	14%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine ) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
NANDI	41%	68%	68%	14%	39%	72%	43%	9%	47%	8%	41%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
NANDI	14%	6%	7%	44%	11%	13%	5%	4%	49%	5%	12%	9%	7%	14%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NANDI	40%	63%	9%	17%	43%	27%	62%	53%	68%	46%	4%	59%	40%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
NANDI	51%	76%	66%	48%	49%	49%	55%	55%	29%	51%	76%	66%	48%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	NANDI	51%	76%	66%	48%	49%	49%	55%	55%	29%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	NANDI	51%	100%	80%	49%	32%	55%	51%	35%	25%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	NANDI	51%	100%	90%	62%	58%	70%	48%	71%	42%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	NANDI	51%	100%	85%	78%	23%	80%	71%	39%	25%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	NANDI	51%	95%	78%	54%	23%	59%	53%	36%	25%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	NANDI	51%	56%	45%	23%	23%	30%	16%	25%	5%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	NANDI	51%	60%	38%	26%	14%	30%	20%	23%	25%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	NANDI	51%	60%	61%	34%	38%	40%	27%	45%	11%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
NANDI	38%	18%	16%	19%	56%	59%	64%	36%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
NANDI	35%	43%	59%	12%	17%	33%	57%	33%	25%	34%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
NANDI	38%	44%	32%	34%	41%	29%	46%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

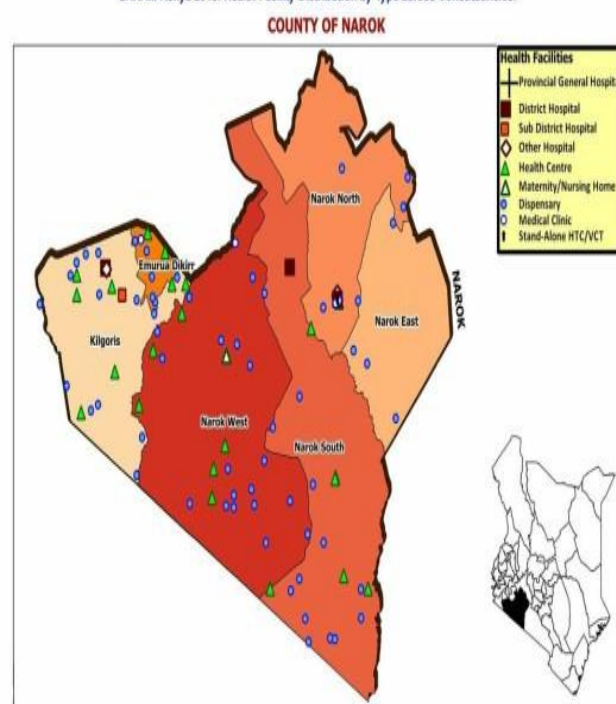
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
NANDI	40%	63%	57%	11%	27%
National	36%	54%	49%	14%	26%

## NAROK COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	963,683	43,726,652
Population female	477,803	21,990,837
Population male	485,880	21,735,815
Pregnant Women	44,531	1,893,895
Deliveries	44,199	1,879,796
EOC	331	14,098
live births	44,199	1,879,796
Population <1y	32,765	1,382,112
Population <5y	156,117	6,724,207
Population <15y	386,768	16,985,077
Population 15-24y	144,552	6,558,998
Population 25-59y	298,742	13,555,262
Households	190,011	8,344,425
Size (sq.km)	17933.1	581313.2
Poverty level	10.2	19.0
Percent of population urban	7	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilitiesoffering services			Policy Objective	Services	%facilitiesoffering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	84%	100%	Provide essential health services	General Outpatient	77	83%	86%
	Child Health	70	83%	86%		Integrated MCH / Family Planning services	64	82%	100%
	Screening for communicable conditions	58	73%	71%		Accident and Emergency	27	27%	43%
	Antenatal Care	68	83%	100%		Emergency life support	15	13%	57%
	Prevention of Mother to Child HIV Transmission	60	82%	86%		Maternity	35	39%	100%
	Integrated Vector Management	30	48%	57%		Newborn services	34	70%	86%
	Good hygiene practices	76	87%	71%		Reproductive health	58	20%	71%
	HIV and STI prevention	71	83%	86%		In Patient	14	35%	71%
	Port health	6	11%	29%		Clinical Laboratory	41	9%	14%
Halt and reverse the Rising burden Of NCDs	Control and prevention neglected tropical diseases	29	29%	71%	Strengthen collaboration with health related sectors	Specialized laboratory	4	5%	43%
	Health Promotion & Education for NCD's	46	59%	43%		Imaging	2	46%	71%
	Institutional Screening for NCD's	28	25%	57%		Pharmaceutical	40	4%	57%
	Rehabilitation	10	12%	57%		Blood safety	6	12%	57%
	Workplace Health & Safety	58	74%	57%		Rehabilitation	10	8%	14%
Reduce the burden of violence and injuries	Food quality & Safety	35	50%	71%		Palliative care	4	5%	29%
	Health Promotion and education on violence/injuries	ND	ND	ND		Specialized clinics	6	13%	0%
	Prehospital Care	70	41%	43%		Comprehensive youth friendly services	10	3%	43%
	OPD/Accident and Emergency	58	46%	86%		General Operations	5	2%	60%
	Management for injuries	68	71%	71%		Specialized Therapies			
Minimize exposure to Health risk factors	Rehabilitation	60	12%	57%		Safe water	65	65%	100%
	Health Promotion including health Education	71	80%	86%		Sanitation and hygiene	67	66%	86%
	Sexual education	55	57%	57%		Nutrition services	48	50%	86%
	Substance abuse	33	29%	43%		Pollution control	30	27%	57%
	Micronutrient deficiency control	43	43%	57%		Housing	22	36%	43%
	Physical activity	ND	ND	ND		School health	36	49%	57%
						Water and Sanitation Hygiene			
						Food fortification	10	16%	14%
						Population management	18	12%	14%
						Road infrastructure and Transport	8	5%	14%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
NAROK										
Number	129	7	25	86	9	2	84	33	9	3
Percent		5%	19%	67%	7%	2%	65.1%	25.6%	7.0%	2.3%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per NAROK	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
NAROK	129	7	23	1	18		6	0.63	0.17
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
NAROK	129	27	41	11	30	7	2	2	1	3	2	0	2	2	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

	Physicians	Obstetrician/gynaecology	Pediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
NAROK	7	4	2	3																					
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
NAROK	567	134	19.09%	7	126	0	0	0	1	0	0	702
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Tota Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
NAROK	702	127	18.09%	25	21	79	1	1
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
NAROK	46	40	71	25	78	8	18	4	7		3	1	4	359
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NAROK	53%	76%	19%	27%	36%	42%	81%	75%	84%	70%	16%	74%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
NAROK	53%	70%	70%	69%	62%	61%	58%	1%	7%	1%	1%	4%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
NAROK	27%	70%	34%	16%	18%	19%	36%	24%	10%	33%	18%	16%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
NAROK	43%	70%	10%	18%	42%	36%	27%	18%	62%	76%	50%	81%	75%	19%	18%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
NAROK	48%	50%	35%	74%	62%	47%	62%	59%	32%	44%	18%	48%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
NAROK									
NAROK	22%	23%	13%	11%	25%	26%	26%	30%	22%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

Availability of malaria commodities	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine ) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
NAROK	51%	84%	78%	16%	51%	81%	60%	17%	56%	20%	51%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
NAROK	25%	17%	19%	61%	20%	26%	18%	11%	67%	11%	24%	16%	13%	25%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NAROK	53%	76%	19%	27%	36%	42%	81%	75%	84%	70%	16%	74%	53%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
NAROK	55%	74%	63%	51%	53%	55%	74%	63%	51%	39%	63%	74%	42%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	NAROK	55%	79%	90%	84%	75%	83%	85%	94%	67%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	NAROK	55%	71%	92%	68%	58%	76%	62%	78%	33%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	NAROK	55%	90%	84%	82%	53%	84%	74%	70%	78%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	NAROK	55%	100%	100%	82%	50%	84%	82%	78%	100%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	NAROK	55%	89%	80%	62%	46%	65%	66%	69%	58%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	NAROK	55%	60%	43%	24%	35%	26%	38%	44%	40%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	NAROK	55%	48%	53%	31%	25%	36%	38%	26%	11%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	NAROK	55%	80%	51%	49%	55%	46%	58%	78%	62%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
NAROK	49%	32%	29%	33%	65%	67%	74%	41%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
NAROK										
NAROK	39%	39%	72%	27%	18%	44%	57%	34%	27%	33%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
NAROK	48%	67%	41%	43%	49%	45%	41%
National	37%	47%	34%	32%	41%	31%	38%

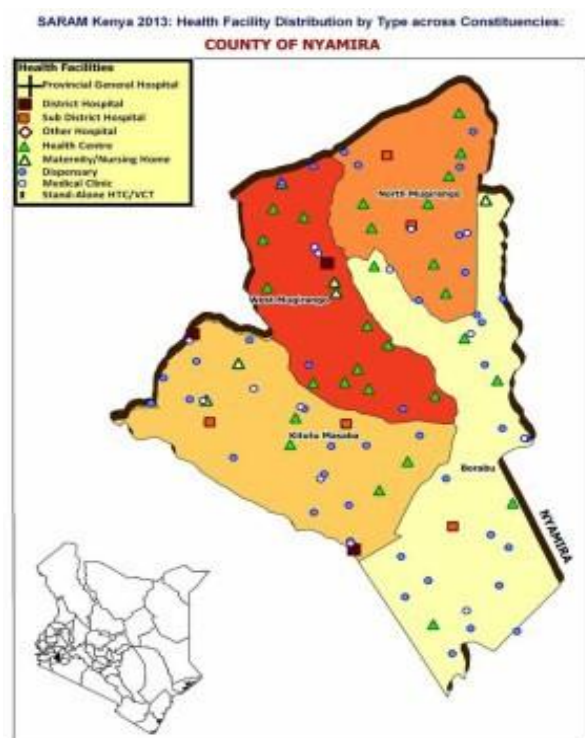
### Health governance readiness

	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
NAROK	43%	74%	61%	18%	19%
National	36%	54%	49%	14%	26%

## NYAMIRA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	677,532	43,726,652
Population female	352,444	21,990,837
Population male	325,087	21,735,815
Pregnant Women	27,303	1,893,895
Deliveries	27,100	1,879,796
EOC	203	14,098
live births	27,100	1,879,796
Population <1y	25,069	1,382,112
Population <5y	117,890	6,724,207
Population <15y	285,213	16,985,077
Population 15-24y	101,630	6,558,998
Population 25-59y	210,035	13,555,262
Households	140,119	8,344,425
Size (sq.km)	899.3	581,313.2
Poverty level	14.3	19.0
Percent of population urban	14	29.9



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	94%	100%	Provide essential health services	General Outpatient	77	94%	100%
	Child Health	70	97%	100%		Integrated MCH / Family Planning services	64	93%	100%
	Screening for communicable conditions	58	82%	100%		Accident and Emergency	27	53%	75%
	Antenatal Care	68	97%	100%		Emergency life support	15	33%	75%
	Prevention of Mother to Child HIV Transmission	60	93%	100%		Maternity	35	84%	88%
	Integrated Vector Management	30	65%	75%		Newborn services	34	75%	88%
	Good hygiene practices	76	94%	100%		Reproductive health	58	83%	100%
	HIV and STI prevention	71	94%	100%		In Patient	14	26%	100%
	Port health	6	16%	25%		Clinical Laboratory	41	42%	100%
Halt and reverse the Rising burden of NCDs	Control and prevention neglected tropical diseases	29	58%	88%	Strengthen collaboration with health related sectors	Specialized laboratory	4	6%	25%
	Health Promotion & Education for NCD's	46	114	8		Imaging	2	2%	13%
	Institutional Screening for NCD's	28	13%	38%		Pharmaceutical	40	4%	57%
	Rehabilitation	10	51%	70%		Blood safety	6	12%	57%
	Workplace Health & Safety	58	77%	100%		Rehabilitation	10	8%	14%
Reduce the burden of violence and injuries	Food quality & Safety	35	60%	88%		Palliative care	4	5%	29%
	Health Promotion and education on violence / injuries	ND	ND	ND		Specialized clinics	6	13%	0%
	Pre hospital Care	70	41%	43%		Comprehensive youth friendly services	10	3%	43%
	OPD/Accident and Emergency	58	46%	86%		General Operations	5	2%	60%
	Management for injuries	68	71%	71%		Specialized Therapies			
Minimize exposure to Health risk factors	Rehabilitation	60	12%	57%		Safe water	65	87%	100%
	Health Promotion including health Education	71	92%	100%		Sanitation and hygiene	67	90%	88%
	Sexual education	55	91%	100%		Nutrition services	48	72%	75%
	Substance abuse	33	70%	75%		Pollution control	30	65%	88%
	Micronutrient deficiency control	43	67%	63%		Housing	22	48%	63%
	Physical activity	ND	ND	ND		School health	36	60%	75%
						Water and Sanitation Hygiene			
						Food fortification	10	35%	50%
						Population management	18	52%	75%
						Road infrastructure and Transport	8	14%	25%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
NYAMIRA										
Number	114	8	39	42	18	7	69	25	20	0
Percent		7%	34%	37%	16%	6%	60.5%	21.9%	17.5%	0.0%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per NYAMIRA	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
NYAMIRA	114	10	20		25		8	1.22	0.18
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
NYAMIRA	114	36	45	11	34	7	1	1	1	2	1	1	1	2	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

Health workforce																										
		Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
NYAMIRA	18	3	1	3				2								10		42	2	2			46	548	677	
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075	

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence							
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others
NYAMIRA	459	209	30.87%	8	149	29	0	0	3	18	2
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244

### Staff that have had long term trainings in past 2 years

	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
NYAMIRA	677	171	25.26%	44	41	71	15	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrate d vector Manage ment	HIV and STI preventio ns	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Manage ment	Human Resource Manage ment	Financial Manage ment	Procurem ent / supply manage ment	Health Informati on manage ment
NYAMIRA	21	26	82	41	71	8	8	27	18	3	4	4	7
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicilin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NYAMIRA	57%	86%	16%	29%	54%	42%	82%	71%	93%	73%	10%	88%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
NYAMIRA	57%	80%	81%	78%	46%	79%	71%	4%	2%	1%	3%	3%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
NYAMIRA	29%	76%	38%	18%	28%	16%	54%	25%	9%	36%	11%	11%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities												
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms
NYAMIRA	47%	76%	9%	28%	42%	54%	29%	11%	67%	86%	62%	82%	71%	28%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	Artemisinin-based combination therapy (ACT)
NYAMIRA	114	65%	100%	92%	86%	84%	91%	88%	83%	0	114	65%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
NYAMIRA	114	65%	100%	85%	88%	68%	88%	84%	65%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear Indoor Residual Spraying (goggles, gloves, boots)
NYAMIRA	114	65%	96%	85%	87%	83%	87%	85%	85%		114
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epilepsy medication
NYAMIRA	114	65%	88%	68%	71%	41%	73%	65%	35%	0%	114	65%	88%	68%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items											
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension	
NYAMIRA	114	57%	86%	16%	29%	54%	42%	82%	71%	93%	73%	10%	88%	
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%	

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
NYAMIRA	114	65%	77%	65%	58%	71%	62%	66%	71%	0	114	65%	77%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	NYAMIRA	65%	100%	92%	86%	84%	91%	88%	83%	0
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	NYAMIRA	65%	100%	85%	88%	68%	88%	84%	65%	
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	NYAMIRA	65%	96%	85%	87%	83%	87%	85%	85%	
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	NYAMIRA	65%	100%	97%	100%	80%	100%	96%	75%	
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	NYAMIRA	65%	91%	87%	88%	75%	89%	85%	73%	
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	NYAMIRA	65%	45%	34%	36%	36%	34%	42%	36%	
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	NYAMIRA	65%	88%	68%	71%	41%	73%	65%	35%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	NYAMIRA	65%	66%	45%	45%	66%	43%	61%	67%	
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
NYAMIRA	67%	54%	56%	58%	76%	75%	82%	68%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
NYAMIRA	58%	64%	87%	39%	36%	72%	86%	51%	43%	46%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
NYAMIRA	69%	69%	69%	69%	66%	75%	63%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

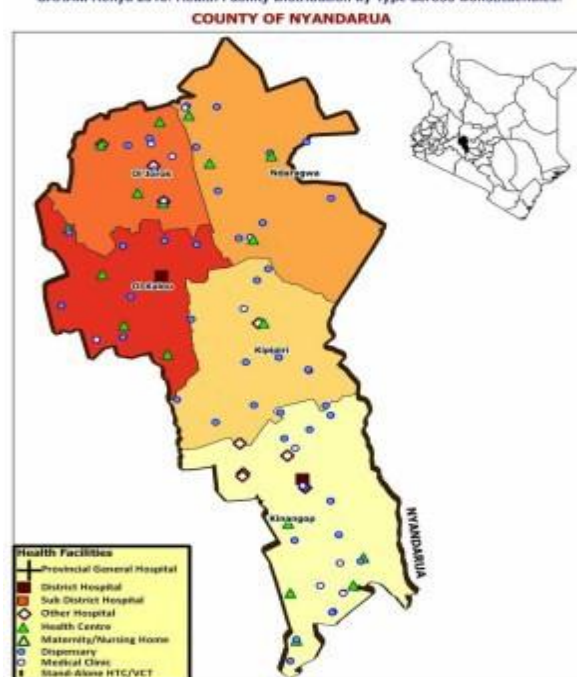
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
NYAMIRA	55%	74%	73%	27%	46%
National	36%	54%	49%	14%	26%

## NYANDARUA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	675,285	43,726,652
Population female	344,414	21,990,837
Population male	330,871	21,735,815
Pregnant Women	23,213	1,893,895
Deliveries	23,040	1,879,796
EOC	173	14,098
live births	23,040	1,879,796
Population <1y	16,882	1,382,112
Population <5y	82,385	6,724,207
Population <15y	135,559	16,985,077
Population 15-24y	101,293	6,558,998
Population 25-59y	209,338	13,555,262
Households	66,597	8,344,425
Size (sq.km)	3245.3	581313.2
Poverty level	17.5	19.0
Percent of population urban	19	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilitiesoffering services			Policy Objective	Services	Policy		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	69%	46%	Provide essential health services	General Outpatient	77	82%	69%
	Child Health	70	76%	62%		Integrated MCH / Family Planning services	64	73%	69%
	Screening for communicable conditions	58	73%	46%		Accident and Emergency	27	36%	23%
	Antenatal Care	68	82%	69%		Emergency life support	15	18%	23%
	Prevention of Mother to Child HIV Transmission	60	73%	62%		Maternity	35	40%	46%
	Integrated Vector Management	30	26%	31%		Newborn services	34	40%	38%
	Good hygiene practices	76	81%	77%		Reproductive health	58	65%	46%
	HIV and STI prevention	71	75%	77%		In Patient	14	11%	38%
	Port health	6	7%	15%		Clinical Laboratory	41	43%	46%
Halt, and reverse the Rising burden Of NCDs	Control and prevention neglected tropical diseases	29	24%	23%		Specialized laboratory	4	6%	15%
	Health Promotion & Education for NCD's	46	47%	31%		Imaging	2	2%	23%
	Institutional Screening for NCD's	28	31%	23%		Pharmaceutical	40	46%	317%
	Rehabilitation	10	12%	31%		Blood safety	6	8%	23%
	Workplace Health & Safety	58	64%	54%		Rehabilitation	10	12%	31%
Reduce the burden of violence and injuries	Food quality & Safety	35	44%	46%		Palliative care	4	5%	8%
	Health Promotion and education on violence / injuries	ND	ND	ND	Strengthen collaboration with health related sectors	Specialized clinics	6	8%	23%
	Pre hospital Care	70	43%	15%		Comprehensive youth friendly services	10	10%	15%
	OPD/Accident and Emergency	58	56%	31%		General Operations	5	3%	38%
	Management for injuries	68	77%	77%		Specialized Therapies			
Minimize exposure to Health risk factors	Rehabilitation	60	12%	31%		Safe water	65	69%	54%
	Health Promotion including health Education	71	73%	77%		Sanitation and hygiene	67	67%	54%
	Sexual education	55	53%	54%		Nutrition services	48	55%	38%
	Substance abuse	33	47%	38%		Pollution control	30	46%	31%
	Micronutrient deficiency control	43	55%	31%		Housing	22	36%	23%
	Physical activity	ND	ND	ND		School health	36	50%	15%
						Water and Sanitation Hygeine	ND	ND	ND
						Food fortification	10	20%	8%
						Population management	18	22%	8%
						Road infrastructure and Transport	8	9%	15%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
NYANDARUA										
Number	116	13	20	50	32	1	59	17	40	0
Percent		11%	17%	43%	28%	1%	50.9%	14.7%	34.5%	0.0%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per NYANDARUA	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
NYANDARUA	116	7	12	3	22		7	2.10	0.10
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
NYANDARUA	116	32	49	15	34	7	3	3	1	2	1	1	2	3	1	2
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
NYANDARUA	31	5	2	1		1		2	3	4	6	2		1		6		14	13	3	4	1	84	938	1121
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	241	11	119	1728	5970	67075

### Staff absenteeism reasons

staff absenteeism reasons												
	Staff present	Staff absent	% Absent	Reasons for staff absence								
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
NYANDARUA	958	141	12.58%	4	46	37	0	0	0	5	49	1121
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
NYANDARUA	1121	56	5.00%	18	14	17	6	1
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
NYANDARUA	5	4	9		2	1					3			937
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NYANDARUA	50%	78%	9%	28%	65%	37%	87%	56%	69%	74%	4%	76%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
NYANDARUA	50%	62%	62%	62%	57%	69%	61%	3%	8%	0%	7%	5%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
NYANDARUA	32%	68%	41%	22%	38%	9%	65%	16%	8%	43%	16%	25%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities												
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms
NYANDARUA	44%	68%	8%	38%	37%	65%	28%	16%	65%	78%	38%	87%	56%	20%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
NYANDARUA	84	46%	53%	35%	59%	68%	35%	50%	47%	44%	47%	24%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
NYANDARUA	84	31%	32%	29%	19%	31%	31%	33%	40%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
NYANDARUA	116	33%	69%	36%	22%	57%	77%	3%	11%	18%	7%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities										
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab
NYANDARUA	116	30%	22%	11%	53%	30%	51%	23%	8%	61%	9%	41%	32%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NYANDARUA	116	50%	78%	9%	28%	65%	37%	87%	56%	69%	74%	4%	76%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

NYANDAR UA	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
NYANDAR UA	64%	68%	69%	64%	59%	63%	72%	61%	0	64%	68%	69%	64%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	NYANDARUA	64%	58%	73%	72%	58%	73%	74%	54%	0
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	NYANDARUA	64%	46%	100%	80%	45%	88%	71%	43%	
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	NYANDARUA	64%	72%	75%	63%	49%	70%	55%	54%	
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	NYANDARUA	64%	46%	100%	82%	33%	97%	53%	30%	
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	NYANDARUA	64%	46%	83%	68%	40%	78%	53%	37%	
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	NYANDARUA	64%	57%	55%	36%	28%	46%	32%	34%	
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	NYANDARUA	64%	21%	53%	39%	22%	46%	27%	20%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	NYANDARUA	64%	84%	41%	48%	58%	40%	76%	64%	
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

NYANDARUA	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
NYANDARUA	47%	39%	37%	33%	57%	58%	63%	41%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

Health stewardship readiness										
	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
NYANDARUA										
NYANDARUA	34%	35%	57%	16%	16%	37%	56%	30%	29%	33%
	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

NYANDAR UA	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
NYANDAR UA	36%	48%	44%	35%	37%	26%	25%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

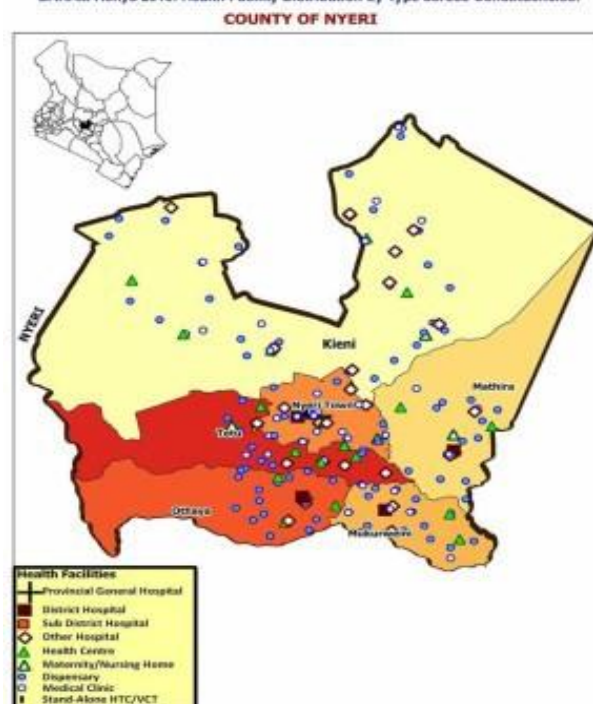
NYANDARUA	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
NYANDARUA	42%	54%	52%	22%	38%
National	36%	54%	49%	14%	26%

## NYERI COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	253,624	43,726,652
Population female	126,774	21,990,837
Population male	126,850	21,735,815
Pregnant Women	10,316	1,893,895
Deliveries	10,240	1,879,796
EOC	77	14,098
live births	10,240	1,879,796
Population <1y	8,623	1,382,112
Population <5y	41,087	6,724,207
Population <15y	101,970	16,985,077
Population 15-24y	38,044	6,558,998
Population 25-59y	78,623	13,555,262
Households	0	8,344,425
Size (sq.km)	21022.2	581313.2
Poverty level	42.4	19.0
Percent of population urban	17	29.9

SARAH Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
<b>Eliminate Communicable Conditions</b>	Immunization	63	52%	39%	<b>Provide essential health services</b>	General Outpatient	77	69%	71%
	Child Health	70	64%	59%		Integrated MCH / Family Planning services	64	52%	39%
	Screening for communicable conditions	58	54%	39%		Accident and Emergency	27	20%	24%
	Antenatal Care	68	62%	44%		Emergency life support	15	10%	15%
	Prevention of Mother to Child HIV Transmission	60	53%	34%		Maternity	35	18%	24%
	Integrated Vector Management	30	22%	15%		Newborn services	34	25%	29%
	Good hygiene practices	76	67%	63%		Reproductive health	58	48%	46%
	HIV and STI prevention	71	69%	54%		In Patient	14	10%	22%
	Port health	6	8%	10%		Clinical Laboratory	41	38%	49%
	Control and prevention neglected tropical diseases	29	17%	22%		Specialized laboratory	4	3%	12%
<b>Halt, and reverse the Rising burden of NCDs</b>	Health Promotion & Education for NCD's	46	43%	44%	<b>Strengthen collaboration with health related sectors</b>	Imaging	2	2%	20%
	Institutional Screening for NCD's	28	34%	37%		Pharmaceutical	40	38%	34%
	Rehabilitation	10	12%	12%		Blood safety	6	3%	20%
	Workplace Health & Safety	58	46%	41%		Rehabilitation	10	12%	12%
	Food quality & Safety	35	26%	39%		Palliative care	4	3%	12%
<b>Reduce the burden of violence and injuries</b>	Health Promotion and education on violence / injuries	ND	ND	ND		Specialized clinics	6	4%	27%
	Pre hospital Care	70	38%	34%		Comprehensive youth friendly services	10	6%	15%
	OPD/Accident and Emergency	58	41%	41%		General Operations	5	2%	2%
	Management for injuries	68	62%	54%		Specialized Therapies			
	Rehabilitation	60	12%	12%		Safe water	65	59%	49%
<b>Minimize exposure to health risk factors</b>	Health Promotion including health Education	71	67%	63%		Sanitation and hygiene	67	61%	51%
	Sexual education	55	52%	56%		Nutrition services	48	41%	37%
	Substance abuse	33	34%	39%		Pollution control	30	25%	20%
	Micronutrient deficiency control	43	32%	34%		Housing	22	18%	12%
	Physical activity	ND	ND	ND		School health	36	29%	17%
						Water and Sanitation Hygiene	ND	ND	ND
						Food fortification	10	7%	5%
						Population management	18	12%	5%
						Road infrastructure and Transport	8	7%	5%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
NYERI										
Number	40	20	90	90	5	40	101	25	117	2
Percent		16%	8%	37%	37%	2%	41.2%	10.2%	47.8%	0.8%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per NYERI	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
NYERI	245	12	34	1	17		12	1.61	0.13
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
NYERI	245	26	73	30	56	14	7	7	5	5	7	5	7	7	4	7
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
NYERI	2	1	9	7		2	4	2		6	1	3				4		11	9	3	5	3	30	964	1066
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
NYERI	610	447	41.93%	9	361	1	0	0	0	1	75	1066
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Total Staff	Number Long term Training	% Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
NYERI	1066	368	34.52%	117	74	161	8	8
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI prevention	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
NYERI	18	17	28	1	4	3	2		1				4
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NYERI	45%	74%	11%	31%	59%	25%	68%	60%	63%	57%	6%	74%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
NYERI	45%	45%	45%	44%	33%	55%	43%	2%	3%	1%	2%	3%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Belamethasone or Dexamethasone injectable	Nifedipine cap/tab
NYERI	24%	31%	27%	8%	19%	11%	59%	13%	7%	48%	16%	25%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydrating salts	Zinc	Female condoms	Injectable antibiotics (all three)
NYERI	36%	31%	7%	19%	25%	59%	31%	16%	64%	74%	29%	68%	60%	15%	10%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
NYERI	152	28%	41%	17%	47%	51%	9%	34%	26%	20%	23%	7%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
NYERI									
NYERI	243	24%	26%	26%	14%	20%	28%	24%	30%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injectable	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
NYERI	245	23%	63%	12%	7%	21%	63%	1%	7%	28%	8%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
NYERI	245	31%	28%	13%	29%	35%	45%	36%	21%	60%	14%	39%	38%	19%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

Availability of general medicines	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
NYERI	245	45%	74%	11%	31%	59%	25%	68%	60%	63%	57%	6%	74%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
NYERI	59%	63%	75%	61%	53%	64%	62%	55%	0%	59%	63%	75%	61%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	NYERI	59%	57%	78%	69%	58%	72%	56%	59%	25%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	NYERI	59%	39%	95%	66%	35%	74%	58%	33%	0%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	NYERI	59%	48%	63%	58%	41%	63%	46%	41%	0%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	NYERI	59%	39%	95%	78%	20%	87%	54%	20%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	NYERI	59%	41%	85%	62%	24%	71%	49%	24%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	NYERI	59%	32%	52%	28%	17%	36%	27%	19%	0%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	NYERI	59%	34%	67%	37%	27%	49%	28%	25%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	NYERI	59%	61%	46%	43%	57%	40%	64%	59%	14%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
NYERI								
NYERI	32%	16%	19%	15%	48%	50%	52%	25%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
NYERI										
NYERI	19%	23%	40%	6%	8%	13%	42%	11%	12%	15%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
NYERI	19%	25%	20%	13%	24%	9%	25%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

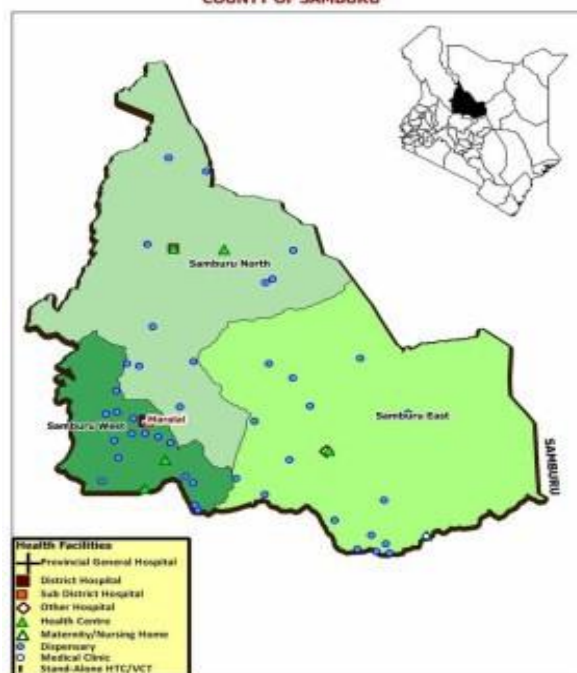
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
NYERI					
NYERI	26%	41%	39%	4%	20%
National	36%	54%	49%	14%	26%

## SAMBURU COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	253,624	43,726,652
Population female	126,774	21,990,837
Population male	126,850	21,735,815
Pregnant Women	10,316	1,893,895
Deliveries	10,240	1,879,796
EOC	77	14,098
live births	10,240	1,879,796
Population <1y	8,623	1,382,112
Population <5y	41,087	6,724,207
Population <15y	101,970	16,985,077
Population 15-24y	38,044	6,558,998
Population 25-59y	78,623	13,555,262
Households	0	8,344,425
Size (sq.km)	21022.2	581313.2
Poverty level	42.4	19.0
Percent of population urban	17	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF SAMBURU



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County - Primary care	County-Hospitals			National	County - Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	58%	100%	Provide essential health services	General Outpatient	77	84%	100%
	Child Health	70	71%	100%		Integrated MCH / Family Planning services	64	66%	100%
	Screening for communicable conditions	58	66%	100%		Accident and Emergency	27	14%	67%
	Antenatal Care	68	74%	100%		Emergency life support	15	11%	67%
	Prevention of Mother to Child HIV Transmission	60	60%	100%		Maternity	35	33%	100%
	Integrated Vector Management	30	21%	100%		Newborn services	34	23%	100%
	Good hygiene practices	76	84%	100%		Reproductive health	58	63%	100%
	HIV and STI prevention	71	77%	100%		In Patient	14	12%	100%
	Port health	6	3%	0%		Clinical Laboratory	41	12%	100%
Halt, and reverse the Rising burden of NCDs	Control and prevention neglected tropical diseases	29	27%	67%		Specialized laboratory	4	1%	33%
	Health Promotion & Education for NCD's	46	51%	100%		Imaging	2	0%	67%
	Institutional Screening for NCD's	28	15%	33%		Pharmaceutical	40	48%	100%
	Rehabilitation	10	7%	33%		Blood safety	6	1%	67%
	Workplace Health & Safety	58	58%	67%		Rehabilitation	10	7%	33%
Reduce the burden of violence and injuries	Food quality & Safety	35	34%	100%		Palliative care	4	1%	67%
	Health Promotion and education on violence / injuries	ND	ND	ND	Strengthen collaboration with health related sectors	Specialized clinics	6	3%	67%
	Pre hospital Care	70	25%	33%		Comprehensive youth friendly services	10	3%	0%
	OPD/Accident and Emergency	58	30%	67%		General Operations	5	0%	67%
	Management for injuries	68	66%	100%		Specialized Therapies			
Minimize exposure to Health risk factors	Rehabilitation	60	7%	33%		Safe water	65	74%	100%
			ND			Sanitation and hygiene	67	78%	100%
	Health Promotion including health Education	71	79%	100%		Nutrition services	48	66%	100%
	Sexual education	55	62%	100%		Pollution control	30	18%	100%
	Substance abuse	33	27%	100%		Housing	22	25%	67%
	Micronutrient deficiency control	43	64%	100%		School health	36	53%	67%
	Physical activity	ND	ND	ND		Water and Sanitation Hygiene	ND	ND	ND
						Food fortification	10	3%	33%
						Population management	18	8%	0%
						Road infrastructure and Transport	8	0%	0%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
SAMBURU										
Number	71	4	6	51	9	1	45	15	10	1
Percent		6%	8%	72%	13%	1%	63.4%	21.1%	14.1%	1.4%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per SAMBURU	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
SAMBURU	71	6	22		88		6	2.40	0.29
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
SAMBURU	71	12	19	4	16	5	1	1	1	1	0	1	1	1	1	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
SAMBURU			1				1			3						1		12					7	498	524
National	501	207	324	233	14	76	8	15	21	30	35	11	1	16	8	21	12	1807	198	249	111	119	1728	5970	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
SAMBURU	486	35	6.68%	6	19	0	0	1	0	0	9	524
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Tota Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
SAMBURU	524	25	4.77%	7	2	16		
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrate d vector Manage ment	HIV and STI preventio ns	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Manage ment	Human Resource Manage ment	Financial Manage ment	Procurem ent / supply manage ment	Health Informati on manage ment	Other
SAMBURU	4	3	11	1	46				3	2	5	3		234
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
SAMBURU	49%	75%	8%	21%	57%	30%	83%	70%	81%	69%	3%	73%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
SAMBURU	49%	51%	51%	43%	44%	57%	52%	1%	10%	3%	3%	1%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
SAMBURU	24%	49%	31%	14%	32%	8%	57%	16%	3%	31%	16%	12%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
SAMBURU	39%	49%	3%	32%	30%	57%	21%	16%	61%	75%	27%	83%	70%	9%	12%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (DAT + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
SAMBURU	11	44%	64%	27%	64%	64%	18%	64%	64%	27%	27%	18%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
SAMBURU	63	26%	21%	19%	16%	24%	33%	30%	40%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
SAMBURU	155	58%	87%	76%	16%	89%	89%	72%	9%	63%	18%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
SAMBURU	71	19%	3%	3%	57%	16%	23%	8%	4%	70%	6%	23%	9%	5%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
SAMBURU	71	49%	75%	8%	21%	57%	30%	83%	70%	81%	69%	3%	73%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
SAMBURU	50%	45%	73%	54%	25%	50%	72%	25%	44%	50%	45%	73%	54%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	SAMBURU	50%	100%	92%	78%	43%	78%	88%	43%	100%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	SAMBURU	50%	75%	100%	73%	27%	76%	75%	27%	100%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	SAMBURU	50%	50%	78%	81%	33%	73%	96%	33%	67%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	SAMBURU	50%	75%	83%	71%	0%	71%	75%	0%	100%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	SAMBURU	50%	75%	88%	65%	5%	68%	66%	5%	75%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	SAMBURU	50%	40%	50%	34%	12%	32%	49%	12%	20%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	SAMBURU	50%	50%	44%	29%	7%	29%	42%	7%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	SAMBURU	50%	32%	48%	45%	32%	37%	67%	32%	29%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
SAMBURU	31%	6%	6%	8%	53%	52%	62%	29%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
SAMBURU	30%	36%	62%	4%	13%	42%	52%	27%	8%	22%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
SAMBURU	36%	51%	26%	17%	58%	22%	40%
National	37%	47%	34%	32%	41%	31%	38%

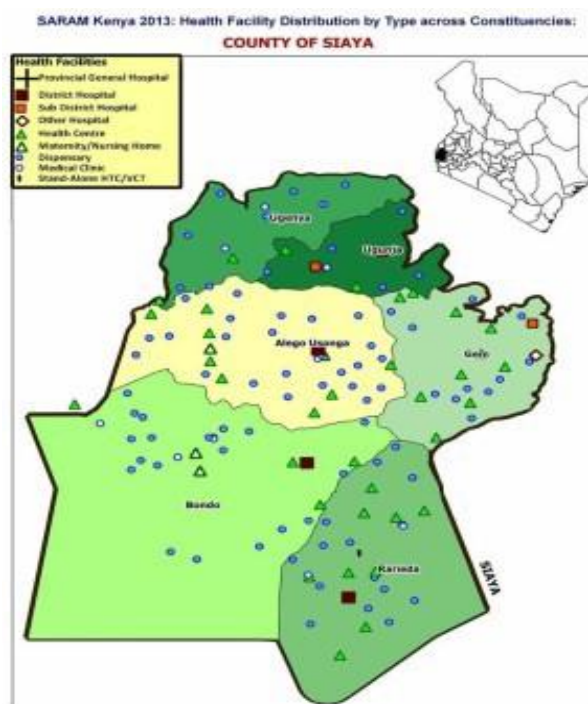
### Health governance readiness

	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
SAMBURU	45%	68%	61%	13%	38%
National	36%	54%	49%	14%	26%

## SIAYA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	953,925	43,726,652
Population female	502,444	21,990,837
Population male	451,481	21,735,815
Pregnant Women	38,442	1,893,895
Deliveries	38,156	1,879,796
EOC	286	14,098
live births	38,156	1,879,796
Population <1y	35,295	1,382,112
Population <5y	165,983	6,724,207
Population <15y	378,360	16,985,077
Population 15-24y	143,089	6,558,998
Population 25-59y	295,717	13,555,262
Households	185,880	8,344,425
Size (sq.km)	2530.4	581313.2
Poverty level	11.8	19.0
Percent of population urban	11	29.9



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	89%	100%	Provide essential health services	General Outpatient	77	90%	88%
	Child Health	70	91%	100%		Integrated MCH / Family Planning services	64	85%	100%
	Screening for communicable conditions	58	81%	100%		Accident and Emergency	27	48%	63%
	Antenatal Care	68	89%	100%		Emergency life support	15	31%	88%
	Prevention of Mother to Child HIV Transmission	60	84%	100%		Maternity	35	76%	88%
	Integrated Vector Management	30	48%	100%		Newborn services	34	68%	75%
	Good hygiene practices	76	90%	100%		Reproductive health	58	79%	100%
	HIV and STI prevention	71	91%	100%		In Patient	14	30%	100%
	Port health	6	8%	0%		Clinical Laboratory	41	57%	100%
Halt, and reverse the Rising burden Of NCDs	Control and prevention neglected tropical diseases	29	59%	67%	Strengthen collaboration with health related sectors	Specialized laboratory	4	7%	38%
	Health Promotion & Education for NCD's	46	77%	88%		Imaging	2	4%	63%
	Institutional Screening for NCD's	28	55%	88%		Pharmaceutical	40	61%	88%
	Rehabilitation	10	21%	63%		Blood safety	6	12%	88%
	Workplace Health & Safety	58	74%	88%		Rehabilitation	10	21%	63%
Reduce the burden of violence and injuries	Food quality & Safety	35	56%	100%		Palliative care	4	11%	50%
	Health Promotion and education on violence / injuries	ND	ND	ND		Specialized clinics	6	19%	63%
	Pre hospital Care	70	61%	33%		Comprehensive youth friendly services	10	25%	63%
	OPD/Accident and Emergency	58	68%	67%		General Operations	5	11%	50%
	Management for injuries	68	85%	100%		Specialized Therapies			
Minimize exposure to Health risk factors	Rehabilitation	60	21%	33%		Safe water	65	89%	100%
	Health Promotion including health Education	71	91%	100%		Sanitation and hygiene	67	91%	88%
	Sexual education	55	86%	88%		Nutrition services	48	73%	100%
	Substance abuse	33	56%	63%		Pollution control	30	51%	88%
	Micronutrient deficiency control	43	64%	88%		Housing	22	39%	88%
	Physical activity	ND	ND	ND		School health	36	59%	50%
						Water and Sanitation Hygiene	ND	ND	ND
						Food fortification	10	19%	25%
						Population management	18	38%	75%
						Road infrastructure and Transport	8	15%	88%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
SIAYA										
Number	155	8	37	90	15	5	118	22	11	4
Percent		5%	24%	58%	10%	3%	76.1%	14.2%	7.1%	2.6%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per SIAYA	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
SIAYA	155	1	9		28		1	0.11	0.06
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
SIAYA	155	50	62	19	49	16	3	1	2	3	2	0	2	4	1	4
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
SIAYA	19	5	6	1				1								27		36	1		3		36	893	1028
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	Grand Total
SIAYA	732	279	27.14%	18	237	19	0	0	1	2	2	1028
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

SIAYA	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
SIAYA	1028	265	25.78%	92	24	146	3	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
SIAYA	36	40	111	24	97	12	1	20	33	4	11	4	14
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
SIAYA	55%	79%	9%	28%	56%	47%	83%	79%	87%	72%	6%	85%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
SIAYA	55%	78%	79%	77%	56%	80%	69%	2%	6%	1%	1%	4%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
SIAYA	35%	75%	42%	26%	49%	9%	56%	27%	10%	63%	14%	15%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
SIAYA	48%	75%	10%	49%	47%	56%	28%	14%	65%	79%	53%	83%	79%	19%	17%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Elvitegravir (TDF + 3TC + EFV)	All first line drugs
SIAYA	155	63%	94%	88%	88%	75%	87%	89%	81%	63%	155	63%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
SIAYA	155	63%	100%	89%	84%	55%	86%	74%	54%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
SIAYA	158	63%	88%	91%	81%	76%	86%	77%	74%	58%	158
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
SIAYA	155	63%	88%	74%	59%	36%	66%	48%	38%	50%	155	63%	88%	74%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
SIAYA	155	55%	79%	9%	28%	56%	47%	83%	79%	87%	72%	6%	85%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

SIAYA	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
SIAYA	63%	79%	75%	57%	61%	61%	73%	60%	56%	63%	79%	75%	57%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	SIAYA	63%	94%	88%	88%	75%	87%	89%	81%	63%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	SIAYA	63%	100%	89%	84%	55%	86%	74%	54%	75%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	SIAYA	63%	88%	91%	81%	76%	86%	77%	74%	58%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	SIAYA	63%	100%	97%	95%	50%	97%	78%	38%	75%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	SIAYA	63%	94%	92%	82%	51%	86%	75%	44%	69%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	SIAYA	63%	70%	57%	32%	39%	41%	49%	34%	30%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	SIAYA	63%	88%	74%	59%	36%	66%	48%	38%	50%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	SIAYA	63%	71%	58%	39%	62%	43%	71%	59%	43%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

SIAYA	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
SIAYA	73%	75%	70%	71%	73%	70%	82%	70%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

SIAYA	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
SIAYA	59%	69%	84%	35%	31%	78%	87%	45%	53%	50%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

SIAYA	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
SIAYA	72%	73%	66%	64%	83%	66%	80%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

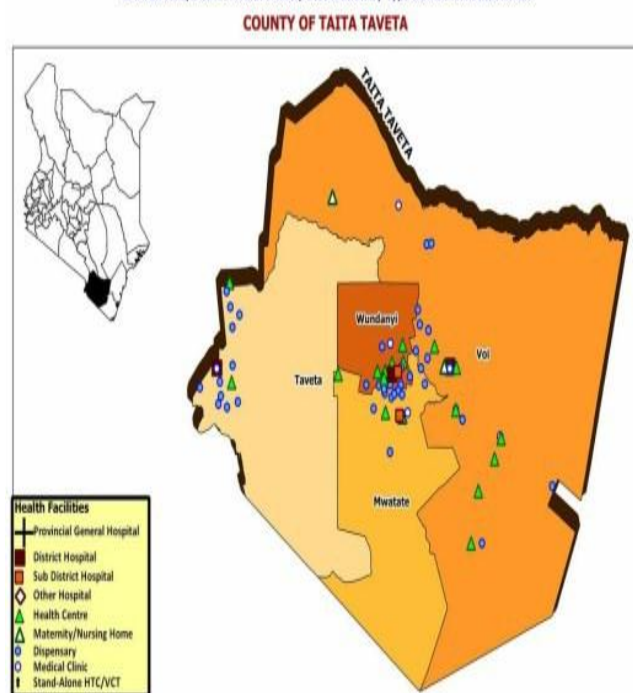
SIAYA	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
SIAYA	61%	81%	74%	28%	60%
National	36%	54%	49%	14%	26%

## TAITA TAVETA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	322,379	43,726,652
Population female	157,786	21,990,837
Population male	164,593	21,735,815
Pregnant Women	12,819	1,893,895
Deliveries	12,723	1,879,796
EOC	95	14,098
live births	12,723	1,879,796
Population <1y	11,283	1,382,112
Population <5y	52,225	6,724,207
Population <15y	104,356	16,985,077
Population 15-24y	48,357	6,558,998
Population 25-59y	99,938	13,555,262
Households	51,268	8,344,425
Size (sq.km)	17084.0	581313.2
Poverty level	17.6	19.0
Percent of population urban	23	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilitiesoffering services			Policy Objective	Services	%facilitiesoffering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	74%	100%	Provide essential health services	General Outpatient	77	89%	100%
	ChildHealth	70	86%	100%		Integrated MCH / Family Planning services	64	75%	60%
	Screeningforcommunicable conditions	58	76%	100%		Accident and Emergency	27	43%	60%
	Antenatal Care	68	83%	100%		Emergency life support	15	16%	100%
	PreventionofMother to ChildHIV Transmission	60	74%	100%		Maternity	35	70%	80%
	IntegratedVectorManagement	30	18%	80%		Newborn services	34	58%	80%
	Good hygienepractices	76	89%	100%		Reproductive health	58	78%	100%
	HIVandSTIprevention	71	80%	100%		In Patient	14	13%	100%
	Porthealth	6	0%	0%		Clinical Laboratory	41	54%	20%
Halt, and reverse the Rising burden Of NCDs	Controland preventionneglected	29	14%	20%	Strengthen collaboration with health related sectors	Specialized laboratory	4	4%	60%
	HealthPromotion&Educationfor NCD's	46	38%	60%		Imaging	2	1%	80%
	InstitutionalScreeningforNCD's	28	26%	60%		Pharmaceutical	40	50%	60%
	Rehabilitation	10	3%	40%		Blood safety	6	5%	40%
	WorkplaceHealth &Safety	58	47%	60%		Rehabilitation	10	3%	0%
	Foodquality&Safety	35	25%	60%		Palliative care	4	1%	60%
Reduce the burden of violence and injuries	HealthPromotionandeducationon violence/injuries	ND	ND	ND		Specialized clinics	6	4%	60%
	PrehospitalCare	70	37%	40%		Comprehensive youth friendly services	10	12%	20%
	OPD/AccidentandEmergency	58	58%	80%		General Operations	5	5%	100%
	Managementfor injuries	68	63%	80%		Specialized Therapies			
	Rehabilitation	60	3%	40%		Safe water	65	78%	80%
			ND			Sanitation and hygiene	67	75%	100%
Minimize exposure to Health risk factors	HealthPromotionincludinghealth Education	71	79%	100%		Nutrition services	48	50%	80%
	Sexualeducation	55	62%	60%		Pollution control	30	14%	20%
	Substanceabuse	33	24%	40%		Housing	22	17%	40%
	Micronutrientdeficiencycontrol	43	46%	80%		School health	36	42%	40%
	Physicalactivity	ND	ND	ND		Water and Sanitation Hygeine		ND	ND
						Food fortification	10	3%	40%
						Population management	18	5%	0%
						Road infrastructure and Transport	8	5%	0%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
TAITA TAVETA										
Number	81	3	16	40	18	4	55	6	18	2
Percent		4%	20%	49%	22%	5%	67.9%	7.4%	22.2%	2.5%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per TAITA TAVETA	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
TAITA TAVETA	81	8		2	6		8	3.12	0.00
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
TAITA TAVETA	81	21	32	10	24	3	2	1	1	1	1	0	1	1	1	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
TAITA TAVETA	2	1	4	4				2		4		1				15		31	5		2		5	705	781
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
TAITA TAVETA	730	43	5.51%	1	37	1	0	0	1	0	3	781
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Total Staff	Number Long term Training	% Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
TAITA TAVETA	781	39	4.99%	9	11	17	2	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
TAITA TAVETA	77	63	72	12	67	60	56	53	4		4		13
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
TAITA TAVETA	50%	79%	10%	26%	56%	31%	75%	72%	78%	68%	7%	73%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
TAITA TAVETA	50%	69%	68%	67%	67%	74%	67%	1%	9%	1%	1%	1%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
TAITA TAVETA	29%	65%	36%	12%	27%	10%	56%	16%	5%	58%	11%	17%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
TAITA TAVETA	41%	65%	5%	27%	31%	56%	26%	11%	56%	79%	44%	75%	72%	16%	11%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
TAITA TAVETA	23	49%	61%	13%	65%	52%	48%	65%	65%	39%	65%	13%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
TAITA TAVETA	63	41%	43%	33%	21%	43%	43%	51%	56%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
TAITA TAVETA	81	46%	78%	67%	27%	78%	84%	48%	10%	12%	12%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

County	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
TAITA TAVETA	49	17%	2%	20%	57%	8%	22%	6%	6%	55%	2%	14%	4%	4%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
TAITA TAVETA	81	50%	79%	10%	26%	56%	31%	75%	72%	78%	68%	7%	73%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

TAITA TAVETA	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for- profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
TAITA TAVETA	64%	84%	68%	62%	64%	66%	74%	56%	68%	64%	84%	68%	62%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	TAITA TAVETA	64%	83%	59%	68%	48%	66%	58%	42%	100%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	TAITA TAVETA	64%	100%	100%	85%	45%	89%	83%	44%	50%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	TAITA TAVETA	64%	78%	73%	75%	67%	76%	83%	57%	83%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	TAITA TAVETA	64%	100%	100%	90%	27%	95%	50%	28%	50%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	TAITA TAVETA	64%	100%	84%	78%	34%	82%	50%	35%	50%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	TAITA TAVETA	64%	73%	39%	27%	34%	35%	33%	29%	10%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	TAITA TAVETA	64%	78%	25%	35%	17%	30%	61%	17%	50%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	TAITA TAVETA	64%	81%	41%	36%	65%	39%	88%	56%	43%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
TAITA TAVETA	52%	33%	35%	33%	70%	73%	70%	47%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

Health Stewardship Readiness										
	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
TAITA TAVETA	30%	28%	73%	11%	15%	42%	57%	20%	14%	12%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
TAITA TAVETA	44%	52%	41%	35%	54%	32%	48%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

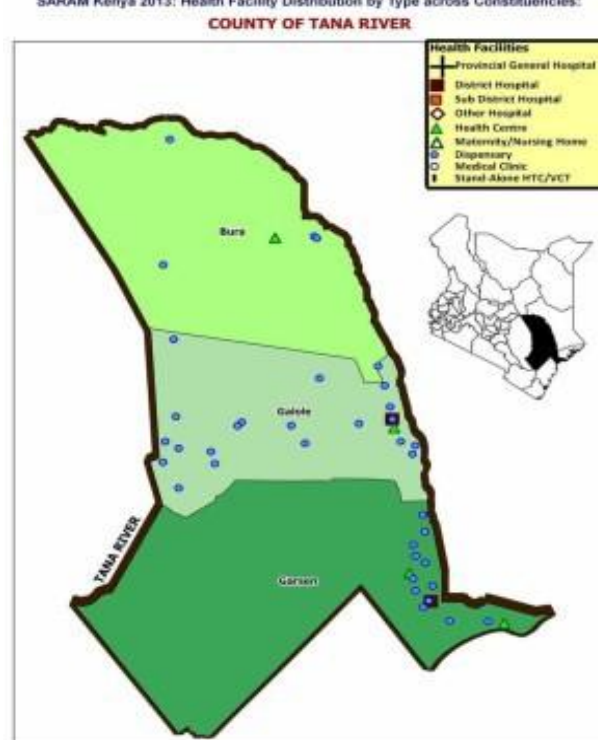
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
TAITA TAVETA	47%	63%	54%	15%	56%
National	36%	54%	49%	14%	26%

## TANA RIVER COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	271,889	43,726,652
Population female	136,154	21,990,837
Population male	135,736	21,735,815
Pregnant Women	11,263	1,893,895
Deliveries	11,179	1,879,796
EOC	84	14,098
live births	11,179	1,879,796
Population <1y	9,516	1,382,112
Population <5y	44,046	6,724,207
Population <15y	109,577	16,985,077
Population 15-24y	40,783	6,558,998
Population 25-59y	84,286	13,555,262
Households	53,833	8,344,425
Size (sq.km)	38436.9	581313.2
Poverty level	29.9	19.0
Percent of population urban	15	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	89%	100%	Provide essential health services	General Outpatient	77	87%	100%
	Child Health	70	77%	100%		Integrated MCH / Family Planning services	64	72%	100%
	Screening for communicable conditions	58	53%	50%		Accident and Emergency	27	17%	50%
	Antenatal Care	68	79%	100%		Emergency life support	15	23%	50%
	Prevention of Mother to Child HIV Transmission	60	70%	100%		Maternity	35	40%	50%
	Integrated Vector Management	30	28%	50%		Newborn services	34	40%	100%
	Good hygiene practices	76	64%	100%		Reproductive health	58	64%	50%
	HIV and STI prevention	71	72%	100%		In Patient	14	4%	100%
	Port health	6	2%	0%		Clinical Laboratory	41	26%	100%
Halt and reverse the Rising burden Of NCDs	Control and prevention neglected	29	30%	50%		Specialized laboratory	4	0%	0%
	Health Promotion & Education for NCD's	46	47%	50%		Imaging	2	0%	0%
	Institutional Screening for NCD's	28	28%	50%		Pharmaceutical	40	40%	50%
	Rehabilitation	10	2%	0%		Blood safety	6	4%	50%
	Workplace Health & Safety	58	32%	50%		Rehabilitation	10	2%	0%
	Food quality & Safety	35	38%	50%		Palliative care	4	2%	0%
Reduce the burden of violence and injuries						Specialized clinics	6	0%	50%
	Health Promotion and education on violence/injuries	ND	ND	ND	Strengthen collaboration with health related sectors	Comprehensive youth friendly services	10	6%	0%
	Prehospital Care	70	21%	50%		General Operations	5	4%	100%
	OPD/Accident and Emergency	58	43%	50%		Specialized Therapies			
	Management for injuries	68	60%	100%		Safe water	65	55%	100%
	Rehabilitation	60	2%	0%		Sanitation and hygiene	67	64%	50%
Minimize exposure to Health risk factors			ND			Nutrition services	48	72%	50%
	Health Promotion including health Education	71	55%	50%		Pollution control	30	9%	50%
	Sexual education	55	40%	50%		Housing	22	9%	0%
	Substance abuse	33	17%	0%		School health	36	28%	100%
	Micronutrient deficiency control	43	62%	50%		Water and Sanitation Hygiene		ND	ND
	Physical activity	ND	ND	ND		Food fortification	10	21%	0%
						Population management	18	15%	0%
						Road infrastructure and Transport	8	15%	0%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
TANA RIVER										
Number	49	3	4	40	2	0	40	5	4	0
Percent		6%	8%	82%	4%	0%	81.6%	10.2%	8.2%	0.0%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per TANA RIVER	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
TANA RIVER	49	8	22	22	41		6	2.23	0.45
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
TANA RIVER	49	8	18	1	13	1	1	1	0	1	0	0	0	1	1	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
TANA RIVER	1						1			1							20						41	190	254
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
TANA RIVER	160	74	29.13%	0	2	5	0	0	0	0	67	254
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

TANA RIVER	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
TANA RIVER	254	55	21.65%	27		28		
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
TANA RIVER	12	22	33	31	27	15	12	9	9			1	
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
TANA RIVER	48%	53%	10%	31%	61%	31%	67%	63%	76%	71%	14%	71%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
TANA RIVER	48%	71%	73%	73%	73%	73%	73%	0%	4%	0%	0%	0%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
TANA RIVER	22%	33%	20%	2%	41%	10%	61%	33%	2%	37%	4%	4%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
TANA RIVER	38%	33%	2%	41%	31%	61%	31%	4%	45%	53%	61%	67%	63%	20%	20%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
TANA RIVER	7	42%	43%	29%	71%	71%	29%	43%	43%	43%	43%	0%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
TANA RIVER									
TANA RIVER	47	35%	23%	32%	34%	45%	36%	36%	38%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injectable	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
TANA RIVER	49	52%	76%	71%	55%	69%	73%	45%	12%	59%	10%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
TANA RIVER	49	17%	2%	20%	57%	8%	22%	6%	6%	55%	2%	14%	4%	4%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
TANA RIVER	49	48%	53%	10%	31%	61%	31%	67%	63%	76%	71%	14%	71%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

TANA RIVER	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
TANA RIVER	49	53%	51%	73%	52%	41%	57%	38%	37%	0	49	53%	51%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	TANA RIVER	53%	67%	75%	53%	0%	53%	80%	25%	0
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	TANA RIVER	53%	33%	75%	53%	50%	58%	40%	25%	
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	TANA RIVER	53%	89%	75%	73%	33%	81%	40%	33%	
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	TANA RIVER	53%	100%	100%	88%	100%	93%	80%	75%	
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	TANA RIVER	53%	83%	88%	68%	63%	73%	65%	50%	
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	TANA RIVER	53%	20%	35%	28%	30%	32%	12%	15%	
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	TANA RIVER	53%	33%	50%	31%	50%	37%	13%	25%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	TANA RIVER	53%	48%	43%	37%	36%	42%	23%	21%	
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

TANA RIVER	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
TANA RIVER	55%	29%	37%	31%	78%	76%	78%	59%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

		% facilities ready, by different variables								
	Mean readiness	All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
TANA RIVER										
TANA RIVER	41%	61%	86%	8%	8%	73%	67%	29%	20%	14%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

TANA RIVER	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
TANA RIVER	37%	63%	14%	12%	71%	24%	39%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

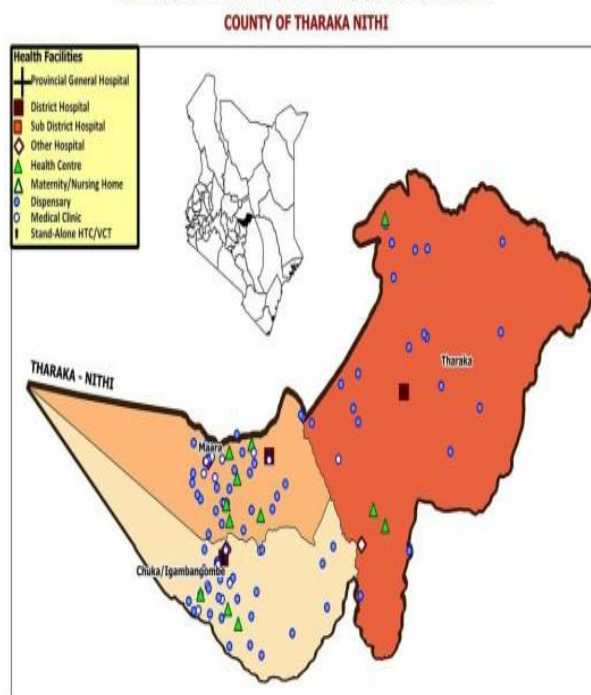
TANA RIVER	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
TANA RIVER	47%	80%	76%	6%	27%
National	36%	54%	49%	14%	26%

## THARA-NITHI COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	413,743	43,726,652
Population female	211,644	21,990,837
Population male	202,099	21,735,815
Pregnant Women	18,951	1,893,895
Deliveries	18,810	1,879,796
EOC	141	14,098
live births	18,810	1,879,796
Population <1y	11,585	1,382,112
Population <5y	59,165	6,724,207
Population <15y	163,427	16,985,077
Population 15-24y	62,061	6,558,998
Population 25-59y	128,260	13,555,262
Households	80,288	8,344,425
Size (sq.km)	2638.9	581313.2
Poverty level	12	19.0
Percent of population urban	7	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	50%	100%	Provide essential health services	General Outpatient	77	89%	100%
	Child Health	70	67%	100%		Integrated MCH / Family Planning services	64	54%	63%
	Screening for communicable conditions	58	50%	88%		Accident and Emergency	27	16%	63%
	Antenatal Care	68	55%	100%		Emergency life support	15	9%	100%
	Prevention of Mother to Child HIV Transmission	60	47%	88%		Maternity	35	13%	100%
	Integrated Vector Management	30	17%	25%		Newborn services	34	21%	88%
	Good hygiene practices	76	76%	88%		Reproductive health	58	53%	88%
	HIV and STI prevention	71	69%	75%		In Patient	14	11%	100%
	Port health	6	4%	0%		Clinical Laboratory	41	61%	25%
Halt, and reverse the Rising burden Of NCDs	Control and prevention of neglected	29	18%	13%		Specialized laboratory	4	2%	38%
	Health Promotion & Education for NCD's	46	23%	38%	Strengthen collaboration with health related sectors	Imaging	2	1%	63%
	Institutional Screening for NCD's	28	10%	38%		Pharmaceutical	40	28%	50%
	Rehabilitation	10	6%	38%		Blood safety	6	2%	38%
	Workplace Health & Safety	58	54%	63%		Rehabilitation	10	6%	13%
Reduce the burden of violence and injuries	Food quality & Safety	35	33%	50%		Palliative care	4	2%	38%
	Health Promotion and education on violence/injuries	ND	ND	ND		Specialized clinics	6	4%	25%
	Pre-hospital Care	70	31%	63%		Comprehensive youth friendly services	10	2%	38%
	OPD/Accident and Emergency Management for injuries	58	21%	63%		General Operations	5	1%	100%
	Rehabilitation	60	6%	38%		Specialized Therapies			
Minimize exposure to Health risk factors			ND			Safe water	65	55%	63%
	Health Promotion including health Education	71	48%	75%		Sanitation and hygiene	67	53%	63%
	Sexual education	55	43%	63%		Nutrition services	48	45%	63%
	Substance abuse	33	34%	38%		Pollution control	30	27%	38%
	Micronutrient deficiency control	43	30%	38%		Housing	22	16%	25%
	Physical activity	ND	ND	ND		School health	36	19%	13%
						Water and Sanitation Hygiene		ND	ND
						Food fortification	10	13%	13%
						Population management	18	9%	13%
						Road infrastructure and Transport	8	4%	13%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
THARA-NITHI										
Number	116	7	11	70	28	0	57	26	29	4
Percent		6%	9%	60%	24%	0%	49.1%	22.4%	25.0%	3.4%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per THARA-NITHI	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
THARA-NITHI	116	4	10	7	33		3	0.75	0.09
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
THARA-NITHI	116	7	27	12	32	2	3	3	0	2	2	1	1	3	1	2
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
THARA-NITHI	1	1	5	1		2	1	4		3		2				24		34	1		1		16	1116	1212
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
THARA-NITHI	975	233	19.22%	2	23	0	0	0	11	0	197	1212
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
THARA-NITHI	1212	32	2.64%	9	6	16	1	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings													
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management	Other
THARA-NITHI	10	4	34	1	13			1	1		5		4	846
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866	37088

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
THARA-NITHI	55%	87%	10%	21%	70%	46%	85%	72%	86%	70%	3%	84%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
THARA-NITHI	55%	51%	51%	50%	38%	57%	50%	3%	8%	2%	2%	3%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Belamethasone or Dexamethasone injectable	Nifedipine cap/tab
THARA-NITHI	28%	40%	26%	14%	29%	10%	70%	23%	3%	61%	12%	21%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
THARA-NITHI	42%	40%	3%	29%	46%	70%	21%	12%	53%	87%	44%	85%	72%	21%	11%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
THARA-NITHI	18	46%	56%	33%	72%	78%	17%	56%	44%	39%	44%	17%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities							
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)	
THARA-NITHI	88	28%	32%	24%	19%	26%	34%	25%	33%	
National	5840	41%	47%	37%	31%	42%	42%	40%	45%	

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
THARA-NITHI	116	41%	86%	57%	21%	49%	84%	27%	3%	35%	5%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
THARA-NITHI	116	23%	13%	7%	31%	18%	29%	16%	7%	76%	6%	32%	21%	15%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
THARA-NITHI	116	55%	87%	10%	21%	70%	46%	85%	72%	86%	70%	3%	84%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
THARA-NITHI	62%	88%	72%	59%	60%	59%	67%	64%	51%	62%	88%	72%	59%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	THARA-NITHI	62%	79%	73%	77%	45%	74%	71%	55%	88%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	THARA-NITHI	62%	86%	91%	59%	14%	61%	65%	20%	75%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	THARA-NITHI	62%	86%	88%	73%	75%	77%	71%	80%	67%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	THARA-NITHI	62%	100%	100%	59%	14%	75%	58%	17%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	THARA-NITHI	62%	89%	82%	52%	20%	62%	53%	26%	6%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	THARA-NITHI	62%	63%	55%	29%	19%	33%	32%	27%	25%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	THARA-NITHI	62%	43%	42%	13%	2%	20%	18%	3%	8%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	THARA-NITHI	62%	76%	52%	49%	67%	44%	60%	72%	50%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
THARAKA-NITHI	34%	19%	22%	15%	55%	55%	56%	15%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

Health stewardship readiness		% facilities ready, by different variables								
	Mean readiness	All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
THARA-NITHI										
THARA-NITHI	25%	23%	50%	13%	9%	16%	64%	19%	15%	12%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
THARAKA-NITHI	22%	37%	23%	17%	25%	15%	17%
National	37%	47%	34%	32%	41%	31%	38%

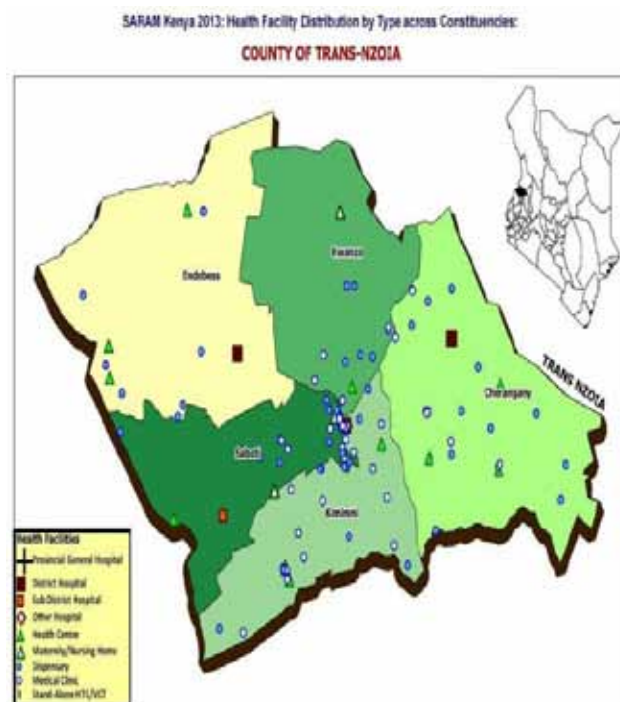
### Health governance readiness

	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
THARAKA-NITHI	34%	57%	51%	8%	20%
National	36%	54%	49%	14%	26%

## TRANS NZOIA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	927,258	43,726,652
Population female	466,128	21,990,837
Population male	461,130	21,735,815
Pregnant Women	45,497	1,893,895
Deliveries	45,158	1,879,796
EOC	339	14,098
live births	45,158	1,879,796
Population <1y	31,527	1,382,112
Population <5y	150,216	6,724,207
Population <15y	353,604	16,985,077
Population 15-24y	139,089	6,558,998
Population 25-59y	287,450	13,555,262
Households	173,719	8,344,425
Size (sq.km)	2495.5	581313.2
Poverty level	15.1	19.0
Percent of population urban	20	29.9



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	51%	100%	Provide essential health services	General Outpatient	77	59%	100%
	Child Health	70	51%	100%		Integrated MCH / Family Planning services	64	52%	33%
	Screening for communicable conditions	58	47%	100%		Accident and Emergency	27	15%	33%
	Antenatal Care	68	55%	100%		Emergency life support	15	10%	83%
	Prevention of Mother to Child HIV Transmission	60	47%	83%		Maternity	35	28%	83%
	Integrated Vector Management	30	33%	83%		Newborn services	34	37%	100%
	Good hygiene practices	76	58%	100%		Reproductive health	58	53%	83%
	HIV and STI prevention	71	57%	100%		In Patient	14	7%	83%
	Port health	6	1%	17%		Clinical Laboratory	41	37%	17%
Halt, and reverse the Rising burden of NCDs	Control and prevention neglected	29	24%	67%	Strengthen collaboration with health related sectors	Specialized laboratory	4	1%	33%
	Health Promotion & Education for NCD's	46	48%	83%		Imaging	2	1%	83%
	Institutional Screening for NCD's	28	25%	50%		Pharmaceutical	40	39%	33%
	Rehabilitation	10	9%	33%		Blood safety	6	1%	33%
	Workplace Health & Safety	58	43%	100%		Rehabilitation	10	9%	33%
Reduce the burden of violence and injuries	Food quality & Safety	35	26%	100%		Palliative care	4	3%	50%
						Specialized clinics	6	2%	17%
	Health Promotion and education on violence/injuries	ND	ND	ND		Comprehensive youth friendly services	10	10%	50%
	Pre-hospital Care	70	30%	50%		General Operations	5	16%	100%
	OPD/Accident and Emergency	58	31%	50%		Specialized Therapies			
Minimize exposure to Health risk factors	Management for injuries	68	49%	100%		Safe water	65	46%	100%
	Rehabilitation	60	9%	33%		Sanitation and hygiene	67	50%	100%
			ND			Nutrition services	48	33%	100%
	Health Promotion including health Education	71	53%	100%		Pollution control	30	29%	83%
	Sexual education	55	47%	100%		Housing	22	16%	67%
	Substance abuse	33	33%	67%		School health	36	33%	67%
	Micronutrient deficiency control	43	27%	83%		Water and Sanitation Hygiene	ND	ND	ND
	Physical activity	ND	ND	ND		Food fortification	10	6%	17%
						Population management	18	22%	67%
						Road infrastructure and Transport	8	8%	33%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
TRANS NZOIA										
Number	137	6	12	43	70	6	52	22	62	1
Percent		4%	9%	31%	51%	4%	38.0%	16.1%	45.3%	0.7%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per TRANS NZOIA	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
TRANS NZOIA	137	8	18		18		6	0.69	0.13
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
TRANS NZOIA	137	23	35	13	26	5	2	3	1	1	1	0	1	3	1	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
TRANS NZOIA	2	4	6	3	1	2	2	4		7						21		31			4		47	1117	1251
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
TRANS NZOIA	1178	62	4.96%	7	42	3	0	0	1	3	6	1251
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

TRANS NZOIA	Total Staff	Number Long term Training	% Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
TRANS NZOIA	254	55	21.65%	27		28		
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
TRANS NZOIA	5		4	1	8	2	5				2		
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
TRANS NZOIA	35%	50%	9%	26%	44%	22%	57%	33%	57%	47%	6%	55%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
TRANS NZOIA	35%	52%	52%	51%	34%	54%	50%	1%	4%	1%	1%	1%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

## Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Belamethasone or Dexamethasone injectable	Nifedipine cap/tab
TRANS NZOIA	21%	38%	32%	12%	17%	9%	44%	21%	10%	27%	11%	13%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

## Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
TRANS NZOIA	30%	38%	10%	17%	22%	44%	26%	11%	45%	50%	37%	57%	33%	13%	14%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

## Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Elvitegravir (TDF + 3TC + EFV)	All first line drugs
TRANS NZOIA	24	28%	29%	8%	42%	46%	25%	38%	38%	21%	29%	0%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

## Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
TRANS NZOIA	69	37%	36%	25%	20%	43%	46%	43%	49%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

## Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
TRANS NZOIA	137	35%	57%	48%	26%	28%	57%	39%	7%	39%	13%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

## Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
TRANS NZOIA	137	15%	9%	8%	35%	13%	18%	11%	9%	32%	6%	21%	11%	6%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

## Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
TRANS NZOIA	137	35%	50%	9%	26%	44%	22%	57%	33%	57%	47%	6%	55%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

TRANS NZOIA	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
TRANS NZOIA	137	43%	79%	69%	51%	32%	60%	58%	25%	41%	137	43%	79%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	TRANS NZOIA	43%	92%	67%	71%	56%	75%	72%	51%	100%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	TRANS NZOIA	43%	100%	92%	78%	45%	87%	70%	40%	0%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	TRANS NZOIA	43%	89%	83%	77%	64%	84%	72%	61%	33%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	TRANS NZOIA	43%	100%	100%	84%	33%	98%	74%	22%	0%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	TRANS NZOIA	43%	96%	94%	69%	30%	81%	62%	23%	0%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	TRANS NZOIA	43%	50%	47%	24%	32%	34%	35%	28%	20%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	TRANS NZOIA	43%	56%	64%	55%	29%	60%	38%	28%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	TRANS NZOIA	43%	67%	37%	33%	52%	35%	57%	49%	43%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

TRANS NZOIA	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
TRANS NZOIA	38%	28%	25%	26%	52%	54%	52%	32%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

TRANS NZOIA	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
TRANS NZOIA	25%	22%	47%	7%	10%	36%	44%	13%	20%	23%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

TRANS NZOIA	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
TRANS NZOIA	28%	48%	20%	21%	33%	21%	26%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

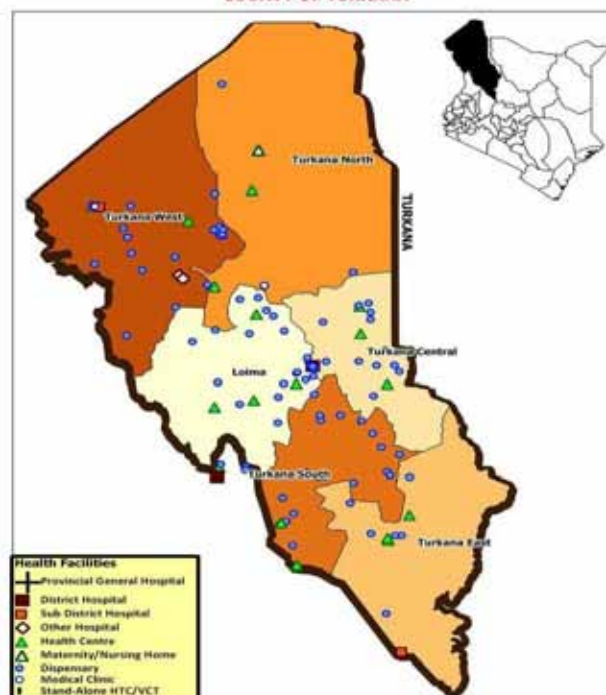
TRANS NZOIA	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
TRANS NZOIA	25%	40%	38%	9%	11%
National	36%	54%	49%	14%	26%

## TURKANA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	968,755	43,726,652
Population female	464,706	21,990,837
Population male	504,049	21,735,815
Pregnant Women	42,932	1,893,895
Deliveries	42,612	1,879,796
EOC	320	14,098
live births	42,612	1,879,796
Population <1y	32,938	1,382,112
Population <5y	156,938	6,724,207
Population <15y	371,182	16,985,077
Population 15-24y	145,313	6,558,998
Population 25-59y	300,314	13,555,262
Households	182,354	8,344,425
Size (sq. km)	68680.3	581313.2
Poverty level	67.5	19.0
Percent of population urban	14	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:  
COUNTY OF TURKANA



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	71%	100%	Provide essential health services	General Outpatient	77	75%	100%
	Child Health	70	80%	100%		Integrated MCH / Family Planning services	64	57%	71%
	Screening for communicable conditions	58	70%	100%		Accident and Emergency	27	24%	29%
	Antenatal Care	68	61%	100%		Emergency life support	15	15%	100%
	Prevention of Mother to Child HIV Transmission	60	54%	86%		Maternity	35	26%	86%
	Integrated Vector Management	30	27%	57%		Newborn services	34	24%	100%
	Good hygiene practices	76	79%	100%		Reproductive health	58	50%	100%
	HIV and STI prevention	71	63%	86%		In Patient	14	12%	71%
	Port health	6	0%	0%		Clinical Laboratory	41	22%	14%
Halt, and reverse the Rising burden Of NCDs	Control and prevention neglected	29	32%	57%	Strengthen collaboration with health related sectors	Specialized laboratory	4	1%	14%
	Health Promotion & Education for NCD's	46	51%	86%		Imaging	2	0%	71%
	Institutional Screening for NCD's	28	16%	43%		Pharmaceutical	40	37%	43%
	Rehabilitation	10	9%	14%		Blood safety	6	9%	14%
	Workplace Health & Safety	58	54%	86%		Rehabilitation	10	9%	0%
	Food quality & Safety	35	33%	57%		Palliative care	4	3%	14%
Reduce the burden of violence and injuries	Health Promotion and education on violence/injuries	ND	ND	ND		Specialized clinics	6	1%	0%
	Prehospital Care	70	33%	29%		Comprehensive youth friendly services	10	4%	29%
	OPD/Accident and Emergency	58	38%	100%		General Operations	5	7%	100%
	Management for injuries	68	58%	100%		Specialized Therapies			
	Rehabilitation	60	9%	14%		Safe water	65	60%	86%
			ND			Sanitation and hygiene	67	74%	86%
Minimize exposure to Health risk factors	Health Promotion including health Education	71	71%	71%		Nutrition services	48	69%	86%
	Sexual education	55	48%	71%		Pollution control	30	32%	71%
	Substance abuse	33	34%	57%		Housing	22	22%	57%
	Micronutrient deficiency control	43	49%	43%		School health	36	44%	71%
	Physical activity	ND	ND	ND		Water and Sanitation Hygiene	ND	ND	ND
						Food fortification	10	12%	43%
						Population management	18	13%	0%
						Road infrastructure and Transport	8	3%	14%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
TURKANA										
Number	136	7	18	92	18	1	94	27	15	0
Percent		5%	13%	68%	13%	1%	69.1%	19.9%	11.0%	0.0%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per TURKANA	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
TURKANA	136	10	19		38		8	0.95	0.13
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
TURKANA	136	14	22	6	23	3	2	2	0	2	2	0	0	3	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
TURKANA	1	3	1	1			11	2		30		11				8		11	19	24	11	1	1	422	451
National	501	207	324	233	14	76	88	152	21	435		21	16	8	21	12	107	188	249	111	9	1728	5970	67075	

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
TURKANA	328	120	26.61%	0	72	1	0	0	1	0	46	451
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Tota Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
TURKANA	451	100	22.17%	60	5	33	2	
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrate d vector Management	HIV and STI preventio ns	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Manage ment	Human Resource Manage ment	Financial Manage ment	Procurem ent / supply manage ment	Health Informati on manage ment
TURKANA	63	50	103		75	32	11	38	22	8	11	13	16
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspensi on
TURKANA	54%	82%	20%	32%	62%	27%	82%	77%	82%	67%	10%	72%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
TURKANA	54%	56%	56%	57%	53%	61%	50%	3%	6%	4%	2%	4%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

Availability of maternal health tracer commodities												
	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
TURKANA	29%	43%	42%	39%	29%	20%	62%	31%	4%	33%	10%	6%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

Availability of life saving commodities															
	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
TURKANA	39%	43%	4%	29%	27%	62%	32%	10%	34%	82%	39%	82%	77%	9%	12%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
TURKANA	26	45%	62%	38%	69%	54%	35%	50%	31%	31%	42%	19%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
TURKANA	118	18%	18%	14%	12%	18%	21%	19%	21%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
TURKANA	136	43%	82%	73%	30%	55%	79%	8%	3%	49%	5%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Bedomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
TURKANA	136	17%	6%	11%	46%	11%	12%	9%	7%	43%	10%	27%	12%	11%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

Availability of general medicines													
	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
TURKANA	136	54%	82%	20%	32%	62%	27%	82%	77%	82%	67%	10%	72%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
TURKANA	48%	72%	59%	47%	35%	47%	60%	35%	0	41%	37%	43%	79%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	TURKANA	48%	71%	67%	66%	70%	66%	70%	67%	0
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	TURKANA	48%	100%	83%	75%	32%	73%	85%	33%	
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	TURKANA	48%	95%	85%	79%	53%	80%	79%	57%	
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	TURKANA	48%	100%	94%	79%	8%	78%	93%	5%	
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	TURKANA	53%	83%	88%	68%	63%	73%	65%	50%	
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	TURKANA	48%	60%	40%	27%	23%	30%	34%	24%	
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	TURKANA	48%	52%	26%	30%	15%	29%	37%	13%	0%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	TURKANA	48%	67%	61%	45%	45%	47%	54%	46%	
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
TURKANA								
TURKANA	41%	32%	23%	15%	51%	52%	67%	44%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
TURKANA										
TURKANA	37%	35%	54%	18%	21%	47%	65%	36%	27%	28%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
TURKANA	44%	56%	36%	34%	44%	36%	56%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

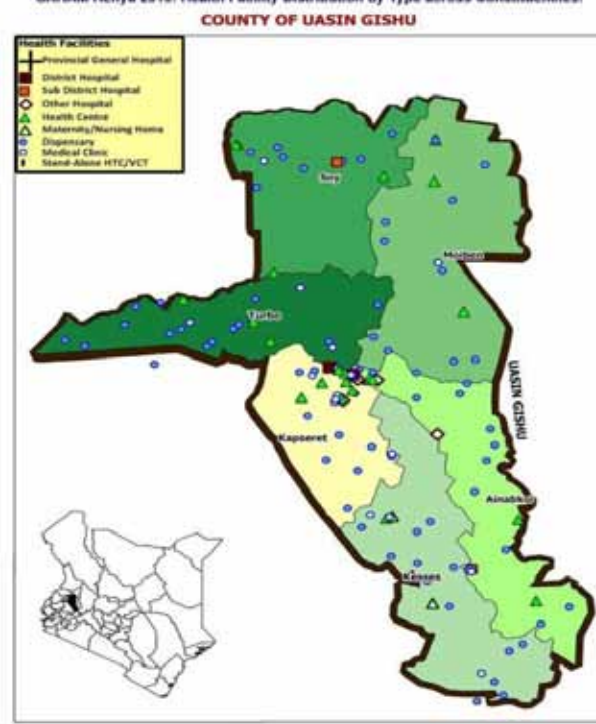
	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
TURKANA	33%	56%	48%	15%	11%
National	36%	54%	49%	14%	26%

## UASIN GISHU COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	1,012,674	43,726,652
Population female	504,180	21,990,837
Population male	508,494	21,735,815
Pregnant Women	44,308	1,893,895
Deliveries	43,978	1,879,796
EOC	330	14,098
live births	43,978	1,879,796
Population <1y	34,431	1,382,112
Population <5y	164,053	6,724,207
Population <15y	414,693	16,985,077
Population 15-24y	151,901	6,558,998
Population 25-59y	313,929	13,555,262
Households	203,730	8,344,425
Size (sq.km)	3345.2	581313.2
Poverty level	11.4	19.0
Percent of population urban	39	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies:



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	76%	77%	Provide essential health services	General Outpatient	77	78%	92%
	Child Health	70	80%	85%		Integrated MCH / Family Planning services	64	71%	85%
	Screening for communicable conditions	58	63%	77%		Accident and Emergency	27	24%	69%
	Antenatal Care	68	78%	85%		Emergency life support	15	9%	54%
	Prevention of Mother to Child HIV Transmission	60	70%	85%		Maternity	35	39%	77%
	Integrated Vector Management	30	44%	77%		Newborn services	34	39%	77%
	Good hygiene practices	76	75%	92%		Reproductive health	58	68%	85%
	HIV and STI prevention	71	75%	77%		In Patient	14	10%	77%
	Port health	6	5%	8%		Clinical Laboratory	41	43%	92%
	Control and prevention of neglected	29	23%	54%		Specialized laboratory	4	4%	38%
Halt and reverse the Rising burden of NCDs	Health Promotion & Education for NCDs	46	40%	77%	Strengthen collaboration with health related sectors	Imaging	2	2%	46%
	Institutional Screening for NCDs	28	29%	69%		Pharmaceutical	40	54%	85%
	Rehabilitation	10	12%	46%		Blood safety	6	3%	62%
	Workplace Health & Safety	58	68%	77%		Rehabilitation	10	12%	46%
	Food quality & Safety	35	30%	69%		Palliative care	4	5%	38%
Reduce the burden of violence and injuries	Health Promotion and education on violence/injuries	ND	ND	ND		Specialized clinics	6	5%	46%
	Pre-hospital Care	70	46%	62%		Comprehensive youth friendly services	10	5%	15%
	OPD/Accident and Emergency	58	52%	85%		General Operations	5	7%	54%
	Management for injuries	68	70%	92%		Specialized Therapies	ND	ND	ND
	Rehabilitation	60	12%	46%		Safe water	65	65%	92%
Minimize exposure to Health risk factors	Health Promotion including health Education	71	72%	92%		Sanitation and hygiene	67	71%	92%
	Sexual education	55	58%	92%		Nutrition services	48	43%	77%
	Substance abuse	33	24%	62%		Pollution control	30	32%	69%
	Micronutrient deficiency control	43	36%	77%		Housing	22	24%	31%
	Physical activity	ND	ND	ND		School health	36	46%	46%
						Water and Sanitation Hygiene	ND	ND	ND
						Food fortification	10	7%	23%
						Population management	18	16%	38%
						Road infrastructure and Transport	8	5%	31%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
UASIN GISHU										
Number	146	12	23	80	28	3	90	26	29	1
Percent		8%	16%	55%	19%	2%	61.6%	17.8%	19.9%	0.7%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per UASIN GISHU	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
UASIN GISHU	146	6	7	14	11		5	0.49	0.04
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

UASIN GISHU	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
UASIN GISHU	146	31	52	19	36	10	4	3	2	2	3	2	2	4	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

	Physicians	Obstetrician/ gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
UASIN GISHU	19	10	19	21	1	21	10	12	7	24		5				24		80		4	7		63	3796	4123
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence							
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others
UASIN GISHU	3737	360	8.73%	31	325	2	0	0	0	0	2
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244

### Staff that have had long term trainings in past 2 years

UASIN GISHU	Tota Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
UASIN GISHU	4123	356	8.63%	96	52	203	4	1
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrate d vector Manage ment	HIV and STI preventio ns	Non Communi cable Diseases	Violence and Injuries	Medical Care	Health Leadersh ip / Manage ment	Human Resource Manage ment	Financial Manage ment	Procurem ent / supply manage ment	Health Informati on manage ment
UASIN GISHU	1	1	50		20		5	2	1	9	2	11	1
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

Availability of essential medicines for children											
	Mean availability of tracer items	Percent of facilities with respective tracer items for children									
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamic in injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab
UASIN GISHU	50%	72%	22%	31%	40%	34%	72%	65%	74%	65%	69%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	72%

### Availability of vaccines

Availability of vaccines												
	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
UASIN GISHU	50%	66%	66%	66%	45%	66%	65%	5%	5%	3%	3%	3%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
UASIN GISHU	26%	52%	34%	21%	22%	22%	40%	29%	16%	25%	13%	18%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
UASIN GISHU	39%	52%	16%	22%	34%	40%	31%	13%	53%	72%	39%	72%	65%	15%	18%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
UASIN GISHU	40	33%	33%	33%	38%	38%	33%	38%	35%	28%	35%	23%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
UASIN GISHU	136	17%	17%	18%	19%	18%	17%	16%	14%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
UASIN GISHU	146	47%	74%	61%	29%	57%	74%	49%	18%	48%	16%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
UASIN GISHU	146	24%	25%	8%	55%	25%	22%	16%	15%	60%	13%	26%	17%	11%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
UASIN GISHU	146	50%	72%	22%	31%	40%	34%	72%	65%	74%	65%	14%	69%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

UASIN GISHU	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
UASIN GISHU	52%	74%	57%	49%	51%	52%	55%	52%	26%	41%	37%	43%	79%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	UASIN GISHU	52%	85%	71%	73%	51%	77%	63%	56%	33%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	UASIN GISHU	52%	69%	92%	60%	38%	68%	66%	39%	33%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	UASIN GISHU	52%	79%	78%	69%	62%	76%	61%	61%	22%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	UASIN GISHU	52%	69%	96%	77%	51%	84%	72%	50%	33%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	UASIN GISHU	52%	75%	78%	58%	41%	64%	59%	44%	17%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	UASIN GISHU	52%	68%	36%	22%	29%	25%	38%	32%	33%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	UASIN GISHU	52%	54%	39%	33%	17%	35%	34%	22%	33%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	UASIN GISHU	52%	64%	53%	44%	51%	46%	52%	52%	33%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

UASIN GISHU	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
UASIN GISHU	48%	38%	32%	32%	62%	66%	66%	40%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

UASIN GISHU	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
UASIN GISHU	34%	38%	62%	15%	12%	39%	55%	31%	22%	32%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

UASIN GISHU	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
UASIN GISHU	43%	61%	44%	42%	44%	40%	24%
National	37%	47%	34%	32%	41%	31%	38%

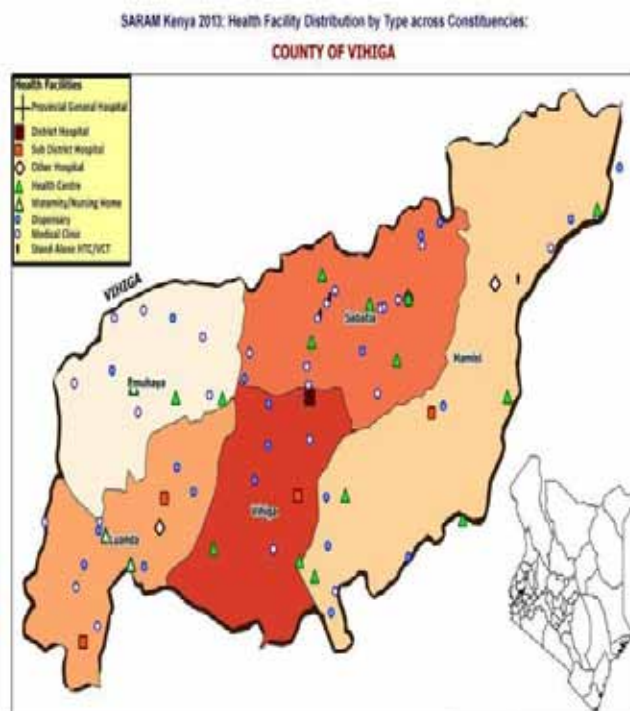
### Health governance readiness

UASIN GISHU	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
UASIN GISHU	a	56%	51%	15%	17%
National	36%	54%	49%	14%	26%

## VIHIGA COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	628,120	43,726,652
Population female	330,589	21,990,837
Population male	297,531	21,735,815
Pregnant Women	28,476	1,893,895
Deliveries	28,264	1,879,796
EOC	212	14,098
live births	28,264	1,879,796
Population <1y	22,612	1,382,112
Population <5y	109,921	6,724,207
Population <15y	250,732	16,985,077
Population 15-24y	94,218	6,558,998
Population 25-59y	194,717	13,555,262
Households	123,179	8,344,425
Size (sq.km)	530.9	581,313.2
Poverty level	11.9	19.0
Percent of population urban	31	29.9



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	76%	88%	Provide essential health services	General Outpatient	77	89%	100%
	Child Health	70	80%	88%		Integrated MCH / Family Planning services	64	77%	75%
	Screening for communicable conditions	58	75%	75%		Accident and Emergency	27	39%	38%
	Antenatal Care	68	81%	88%		Emergency life support	15	19%	38%
	Prevention of Mother to Child HIV Transmission	60	71%	88%		Maternity	35	58%	88%
	Integrated Vector Management	30	48%	50%		Newborn services	34	61%	75%
	Good hygiene practices	76	87%	100%		Reproductive health	58	81%	100%
	HIV and STI prevention	71	82%	88%		In Patient	14	32%	75%
	Oral health	6	5%	0%		Clinical Laboratory	41	41%	63%
Halt, and reverse the Rising burden of NCDs	Control and prevention neglected	29	35%	25%		Specialized laboratory	4	0%	38%
	Health Promotion & Education for NCD's	46	63%	63%		Imaging	2	1%	25%
	Institutional Screening for NCD's	28	51%	38%		Pharmaceutical	40	39%	63%
	Rehabilitation	10	15%	25%		Blood safety	6	4%	38%
	Workplace Health & Safety	58	68%	63%		Rehabilitation	10	15%	25%
Reduce the burden of violence and injuries	Food quality & Safety	35	38%	63%		Palliative care	4	9%	38%
	Health Promotion and education on violence/injuries	ND	ND	ND		Specialized clinics	6	10%	50%
	Pre-hospital Care	70	46%	62%	Strengthen collaboration with health related sectors	Comprehensive youth friendly services	10	16%	25%
	OPD/Accident and Emergency Management for injuries	58	62%	85%		General Operations	5	1%	13%
	Rehabilitation	60	15%	46%		Specialized Therapies	ND	ND	ND
Minimize exposure to Health risk factors	Health Promotion including health Education	71	72%	50%		Safe water	65	82%	88%
	Sexual education	55	58%	75%		Sanitation and hygiene	67	78%	75%
	Substance abuse	33	24%	75%		Nutrition services	48	57%	63%
	Micronutrient deficiency control	43	36%	25%		Pollution control	30	30%	75%
	Physical activity	ND	ND	ND		Housing	22	30%	50%
						School health	36	35%	63%
						Water and Sanitation Hygiene	ND	ND	ND
						Food fortification	10	6%	50%
						Population management	18	29%	38%
						Road infrastructure and Transport	8	8%	38%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
VIHIGA										
Number	87	8	18	26	32	3	44	16	25	2
Percent		9%	21%	30%	37%	3%	50.6%	18.4%	28.7%	2.3%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per VIHIGA	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
VIHIGA	87	13	31		6		13	2.11	0.36
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

VIHIGA	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
VIHIGA	87	17	27	8	17	7	3	1	1	1	1	0	1	1	1	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oromaxillofacial surgeon	Pharmacist	Anaesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
VIHIGA	19	10	19	21	1	21	10	12	7	24	35	5	112	1	16	8	24	80	198	4	7	119	63	3796	4123
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
VIHIGA	3737	360	8.73%	31	325	2	0	0	0	0	2	4123
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

VIHIGA	Total Staff	Number Long term Training	% Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
VIHIGA	4123	356	8.63%	96	52	203	4	1
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
VIHIGA	1	1	50		20		5	2	1	9	2	11	1
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
VIHIGA	50%	72%	22%	31%	40%	34%	72%	65%	74%	65%	14%	69%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
VIHIGA	50%	66%	66%	66%	45%	66%	65%	5%	5%	3%	3%	3%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
VIHIGA	26%	52%	34%	21%	22%	22%	40%	29%	16%	25%	13%	18%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
VIHIGA	39%	52%	16%	22%	34%	40%	31%	13%	53%	72%	39%	72%	65%	15%	18%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
VIHIGA	29	33%	33%	33%	38%	38%	33%	38%	35%	28%	35%	23%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
VIHIGA	29	17%	17%	18%	19%	18%	17%	16%	14%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
VIHIGA	29	47%	74%	61%	29%	57%	74%	49%	18%	48%	16%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
VIHIGA	29	24%	25%	8%	55%	25%	22%	16%	15%	60%	13%	26%	17%	11%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
VIHIGA	29	50%	72%	22%	31%	40%	34%	72%	65%	74%	65%	14%	69%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

VIHIGA	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
VIHIGA	52%	74%	57%	49%	51%	52%	55%	52%	26%	41%	37%	43%	79%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	VIHIGA	52%	85%	71%	73%	51%	77%	63%	56%	33%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	VIHIGA	52%	69%	92%	60%	38%	68%	66%	39%	33%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	VIHIGA	52%	79%	78%	69%	62%	76%	61%	61%	22%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	VIHIGA	52%	69%	96%	77%	51%	84%	72%	50%	33%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	VIHIGA	52%	75%	78%	58%	41%	64%	59%	44%	17%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	VIHIGA	52%	68%	36%	22%	29%	25%	38%	32%	33%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	VIHIGA	52%	54%	39%	33%	17%	35%	34%	22%	33%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	VIHIGA	52%	64%	53%	44%	51%	46%	52%	52%	33%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

VIHIGA	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
VIHIGA	48%	38%	32%	32%	62%	66%	66%	40%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

VIHIGA	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
VIHIGA	34%	38%	62%	15%	12%	39%	55%	31%	22%	32%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

### Health partnership readiness

VIHIGA	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
VIHIGA	43%	61%	44%	42%	44%	40%	24%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

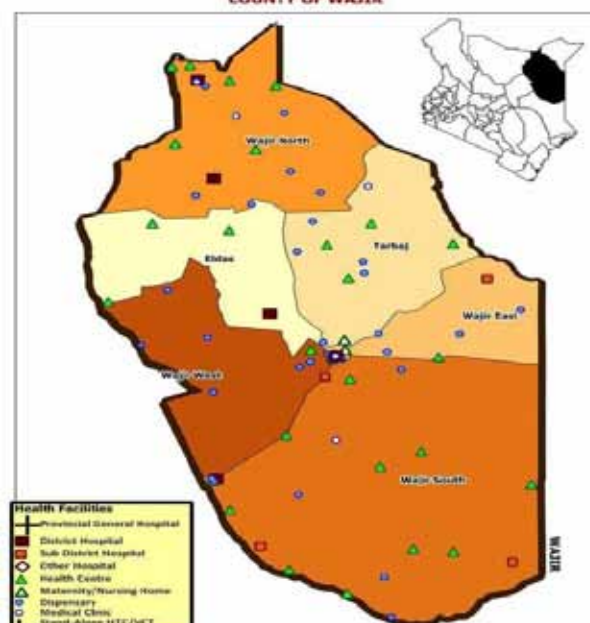
VIHIGA	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
VIHIGA	a	56%	51%	15%	17%
National	36%	54%	49%	14%	26%

## WAJIR COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	749,660	43,726,652
Population female	337,689	21,990,837
Population male	411,972	21,735,815
Pregnant Women	32,205	1,893,895
Deliveries	31,965	1,879,796
EOC	240	14,098
live births	31,965	1,879,796
Population <1y	14,244	1,382,112
Population <5y	106,452	6,724,207
Population <15y	305,705	16,985,077
Population 15-24y	112,449	6,558,998
Population 25-59y	232,395	13,555,262
Households	150,187	8,344,425
Size (sq.km)	56685.8	581313.2
Poverty level	38.1	19.0
Percent of population urban	15	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies: COUNTY OF WAJIR



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offering services			Policy Objective	Services	%facilities offering services		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	63	56%	82%	Provide essential health services	General Outpatient	77	81%	91%
	Child Health	70	66%	91%		Integrated MCH / Family Planning services	64	53%	82%
	Screening for communicable conditions	58	56%	73%		Accident and Emergency	27	21%	55%
	Antenatal Care	68	58%	82%		Emergency life support	15	13%	27%
	Prevention of Mother to Child HIV Transmission	60	49%	82%		Maternity	35	33%	82%
	Integrated Vector Management	30	20%	27%		Newborn services	34	34%	73%
	Good hygiene practices	76	75%	100%		Reproductive health	58	39%	82%
	HIV and STI prevention	71	62%	100%		In Patient	14	11%	64%
	Oral health	6	15%	9%		Clinical Laboratory	41	31%	73%
	Control and prevention of neglected tropical diseases	29	26%	45%		Specialized laboratory	4	3%	27%
Halt, and reverse the Rising burden Of NCDs	Health Promotion & Education for NCD's	46	48%	73%	Strengthen collaboration with health related sectors	Imaging	2	1%	18%
	Institutional Screening for NCD's	28	29%	27%		Pharmaceutical	40	47%	91%
	Rehabilitation	10	2%	18%		Blood safety	6	4%	36%
	Workplace Health & Safety	58	42%	82%		Rehabilitation	10	2%	18%
	Food quality & Safety	35	20%	45%		Palliative care	4	2%	0%
Reduce the burden of violence and injuries	Health Promotion and education on violence/injuries	ND	ND	ND		Specialized clinics	6	4%	0%
	Pre-hospital Care	70	33%	62%		Comprehensive youth friendly services	10	5%	0%
	OPD/Accident and Emergency Management for injuries	58	54%	85%		General Operations	5	4%	18%
	Rehabilitation	60	2%	46%		Specialized Therapies			
						Safe water	65	82%	88%
Minimize exposure to Health risk factors	Health Promotion including health Education	71	67%	100%		Sanitation and hygiene	67	78%	75%
	Sexual education	55	26%	55%		Nutrition services	48	57%	63%
	Substance abuse	33	16%	36%		Pollution control	30	30%	75%
	Micronutrient deficiency control	43	58%	73%		Housing	22	30%	50%
	Physical activity	ND	ND	ND		School health	36	35%	63%
						Water and Sanitation Hygiene		ND	ND
						Food fortification	10	6%	50%
						Population management	18	29%	38%
						Road infrastructure and Transport	8	8%	38%

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
WAJIR										
Number	110	11	27	37	31	4	44	16	25	2
Percent		10%	25%	34%	28%	4%	50.6%	18.4%	28.7%	2.3%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per WAJIR	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
WAJIR	110	5	6		19		5	0.67	0.05
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

WAJIR	Total number of facilities	Numbers available													
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy
WAJIR	110	15	15	7	14	3	2	2	0	0	1	0	0	2	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oronaxiomaxillofacial surgeon	Pharmacist	Anesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
WAJIR	2	1	1	233	14	76	3	152	21	1	35	112	1	16	8	17	26	2	2	249	111	1	2	824	880
National	501	207	324	233	14	76	3	152	21	1	35	112	1	16	8	17	26	2	2	249	111	1	2	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
WAJIR	820	30	3.41%	9	14	2	0	1	4	0	0	880
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

WAJIR	Total Staff	Number Long term Training	% Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
WAJIR	880	15	1.70%	3	7	5		
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
WAJIR	195	36	85	26	93	30	2	57	47	4	7	7	118
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
WAJIR	50%	72%	22%	31%	40%	34%	72%	65%	74%	65%	14%	69%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
WAJIR	50%	66%	66%	66%	45%	66%	65%	5%	5%	3%	3%	3%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
WAJIR	26%	52%	34%	21%	22%	22%	40%	29%	16%	25%	13%	18%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin in syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
WAJIR	39%	52%	16%	22%	34%	40%	31%	13%	53%	72%	39%	72%	65%	15%	18%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
WAJIR	110	33%	33%	33%	38%	38%	33%	38%	35%	28%	35%	23%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
WAJIR	110	17%	17%	18%	19%	18%	17%	16%	14%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for malaria commodities								
			ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
WAJIR	110	47%	74%	61%	29%	57%	74%	49%	18%	48%	16%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items for NCD commodities											
			Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vaso-dilatation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
WAJIR	110	24%	25%	8%	55%	25%	22%	16%	15%	60%	13%	26%	17%	11%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
WAJIR	110	50%	72%	22%	31%	40%	34%	72%	65%	74%	65%	14%	69%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

WAJIR	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
WAJIR	52%	74%	57%	49%	51%	52%	55%	52%	26%	41%	37%	43%	79%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	WAJIR	52%	85%	71%	73%	51%	77%	63%	56%	33%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	WAJIR	52%	69%	92%	60%	38%	68%	66%	39%	33%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	WAJIR	52%	79%	78%	69%	62%	76%	61%	61%	22%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	WAJIR	52%	69%	96%	77%	51%	84%	72%	50%	33%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	WAJIR	52%	75%	78%	58%	41%	64%	59%	44%	17%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	WAJIR	52%	68%	36%	22%	29%	25%	38%	32%	33%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	WAJIR	52%	54%	39%	33%	17%	35%	34%	22%	33%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	WAJIR	52%	64%	53%	44%	51%	46%	52%	52%	33%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

WAJIR	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
WAJIR	48%	38%	32%	32%	62%	66%	66%	40%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

WAJIR	Mean readiness	% facilities ready, by different variables							
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee
WAJIR	34%	38%	62%	15%	12%	39%	55%	31%	22%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%

### Health partnership readiness

WAJIR	Mean readiness	% facilities ready, by different variables				
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year
WAJIR	43%	61%	44%	42%	44%	40%
National	37%	47%	34%	32%	41%	31%

### Health governance readiness

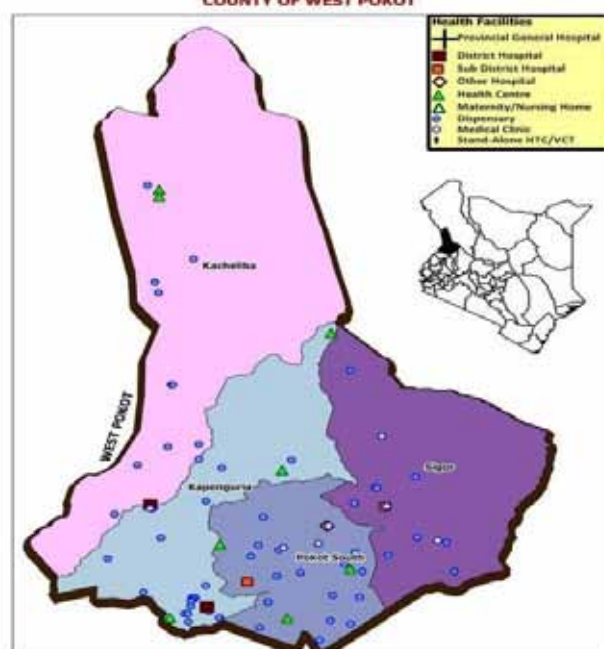
WAJIR	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
WAJIR	30%	58%	47%	7%	9%
National	36%	54%	49%	14%	26%

## WEST POKOT COUNTY

### Demographics (2013 estimates)

Variable	County Value	National value
Total Population	580,631	43,726,652
Population female	292,035	21,990,837
Population male	288,596	21,735,815
Pregnant Women	26,728	1,893,895
Deliveries	26,529	1,879,796
EOC	199	14,098
live births	26,529	1,879,796
Population <1y	19,741	1,382,112
Population <5y	94,062	6,724,207
Population <15y	237,231	16,985,077
Population 15-24y	87,095	6,558,998
Population 25-59y	179,996	13,555,262
Households	116,547	8,344,425
Size (sq.km)	9169.4	581313.2
Poverty level	25.8	19.0
Percent of population urban	8	29.9

SARAM Kenya 2013: Health Facility Distribution by Type across Constituencies: COUNTY OF WEST POKOT



### PROVISION OF KEPH SERVICES

Policy Objective	Services	%facilities offeringservices			Policy Objective	Services	%facilities offeringservices		
		National	County-Primary care	County-Hospitals			National	County-Primary care	County-Hospitals
Eliminate Communicable Conditions	Immunization	6	63%	100%	Provide essential health services	General Outpatient	7	62%	100%
	ChildHealth	7	63%	100%		Integrated MCH / Family Planning services	6	59%	100%
	Screeningforcommuni cable conditions	5	51%	80%		Accident and Emergency	2	8 %	0
	Antenatal Care	6	62%	100%		Emergency life support	1	7	2
	PreventionofMother to ChildHIV Transmission	6	48%	100%		Maternity	3	15%	8
	IntegratedVectorManagement	3	36%	80%		Newborn services	5	25%	0
	Good hygienepractices	7	71%	100%		Reproductive health	3	35%	6
	HIVandSTIprevention	7	70%	100%		In Patient	5	8	8
	Porthealth	6	2%	20%		Clinical Laboratory	1	33%	100%
	Controland preventionneglected	9	34%	80%		Specialized laboratory	4	0 %	0
Halt, and reverse the Rising burden of NCDs	HealthPromotion&Educationfor NCD's	4	42%	100%	Strengthen collaboration withhealth related sectors	Imaging	2	0 %	2
	InstitutionalScreeningforNCD's	6	12%	80%		Pharmaceutical	0	0	0
	Rehabilitation	2	4%	20%		Blood safety	4	9	8
	WorkplaceHealth&Safety	1	4%	20%		Rehabilitation	6	2	4
	Foodquality&Safety	5	62%	100%		Palliative care	1	4	2
		3	36%	80%		Specialized clinics	4	0	0
Reduce the burden of violence and injuries	HealthPromotionandeducatio non violence/injuries	N	ND	ND		Comprehensive youth friendly services	6	1	2
	PrehospitalCare	7	15%	60%		General Operations	1	2 %	0
	OPD/AccidentandEmergency Managementfor injuries	5	38%	60%		Specialized Therapies	0	1	4
	Rehabilitation	6	60%	100%		Safe water	N	N	N
		6	4%	20%		Sanitation and hygiene	6	63%	100%
						Nutrition services	6	65%	100%
Minimize exposure to Health risk factors	HealthPromotionincludinghealth Education	7	71%	100%		Pollution control	4	46%	8
	Sexualeducation	1	41%	60%		Housing	3	19%	6
	Substanceabuse	5	15%	40%		School health	0	24%	100%
	Micronutrientdeficiencycontrol	3	56%	100%		Water and Sanitation	36	40%	80
	Physicalactivity	4	ND	ND		Food fortification	10	3	20
						Population management	18	0	20
						Road infrastructure and Transport	8	1 %	60 %

## CAPACITY TO PROVIDE SERVICES

### Physical infrastructure availability

	Total number of facilities	Hospital	Health centre	Dispensary	Medical clinic/Stand-alone VCT	Maternity/ Nursing home	Public	Private, not-for-profit	Private, for-profit	Others
National										
Number	7,995	607	1065	3676	2346	301	3978	1327	2538	152
Percent	100%	8%	13%	46%	29%	4%	49.8%	16.6%	31.7%	1.9%
WEST POKOT										
Number	84	5	8	55	16	0	50	19	15	0
Percent		6%	10%	65%	19%	0%	59.5%	22.6%	17.9%	0.0%

### Transport availability

	No of facilities	Available numbers of functional transport equipment					Functional Ambulances per WEST POKOT	Functional ambulances per 100,000 popn	Support / utility vehicles per facility
		Ambulances	Support/ Utility vehicles	Bicycles	Motor cycles	Motor Boat			
WEST POKOT	84	5	6		19		5	0.67	0.05
National	7995	575	1370	281	1615	3	502	1.22	0.16

### Service units availability

	Total number of facilities	Numbers available														
		Maternity	MCH / FP	Laboratory	OPD	Minor theatre	Theatre	CSSD	Imaging	Pharmacy	Eye unit	ENT	Dental	Wards	Physiotherapy	Mortuary
WEST POKOT	84	8	21	4	14	3	1	2	0	1	0	0	0	2	1	1
National	7995	1472	2356	885	1972	471	181	153	97	148	112	53	125	186	102	120

### Health Workforce

	Physicians	Obstetrician/gynaecology	Paediatrician	Surgery	Orthodontists	Psychiatry	Ophthalmologists	ENT specialist	Dermatologist	Anesthesiologists	Pathologist	Radiologist	Ophthalmologists	Prosthodontists	Oral maxillofacial surgeon	Pharmacist	Anesthesiologist	Public Health specialist	Dental	Critical Care Nursing (ICU)	Orthopaedic	Theatre Nursing	Midwifery	All other specialisations	Grand Total
WEST POKOT	1	1	4				1	5		3					1	15		65		1			3	957	1057
National	501	207	324	233	14	76	118	152	21	304	35	112	1	16	8	1021	12	1807	198	249	111	119	1728	59708	67075

### Staff absenteeism reasons

	Staff present	Staff absent	% Absent	Reasons for staff absence								Grand Total
				Maternity or Sick leave	In training	Official mission	Approved Absence	Gone to retrieve Salary	Not approved absence	Not on shift	All Others	
WEST POKOT	1034	13	1.23%	2	11	0	0	0	0	0	0	1057
National	56037	10361	15.45%	408	7092	262	16	5	128	206	2244	67075

### Staff that have had long term trainings in past 2 years

	Total Staff	Number Long term Training	% -Training	Qualifications received				
				Certificate	Degree	Diploma	Masters	PhD
WEST POKOT	1057	11	1.04%	5		6		
National	67075	7686	11.46%	2433	1033	3867	329	24

### Staff that have undergone short term trainings in past 12 months

	Number of staff participating in different trainings												
	Child Health	Antenatal Care	PMTCT	Integrated vector Management	HIV and STI preventions	Non Communicable Diseases	Violence and Injuries	Medical Care	Health Leadership / Management	Human Resource Management	Financial Management	Procurement / supply management	Health Information management
WEST POKOT	84	51	89		10				8		73	46	35
National	1890	1524	4201	692	3149	584	459	769	882	296	1097	696	866

### Availability of essential medicines for children

	Mean availability of tracer items	Percent of facilities with respective tracer items for children										
		Amoxicillin syrup/ suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
WEST POKOT	50%	71%	22%	33%	40%	34%	70%	65%	74%	53%	14%	69%
National	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

### Availability of vaccines

	Mean availability of tracer items	Percent of facilities with respective tracer items for immunisation										
		Measles vaccine and diluent	DPT - Hib + HepB (pentavalent)	Oral polio vaccine	BCG vaccine and diluent	Tetanus toxoid vaccine	PCV-10 (pneumococcal) vaccine	Rotavirus vaccine	Rabies vaccine	Yellow fever vaccine	HPV vaccine	Typhoid vaccine
WEST POKOT	50%	66%	66%	66%	45%	66%	65%	4%	5%	3%	3%	1%
National		88%	88%	87%	71%	88%	84%	6%	9%	5%	4%	6%

### Availability of maternal health tracer commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for maternal health										
		Oxytocin injectable	Sodium chloride injectable solution	Calcium gluconate injectable	Magnesium sulfate injectable	Ampicillin powder for injection	Gentamicin injectable	Metronidazole injectable	Misoprostol cap/tab	Benzathine benzylpenicillin powder for injection	Betamethasone or Dexamethasone injectable	Nifedipine cap/tab
WEST POKOT	26%	52%	34%	21%	22%	22%	40%	29%	16%	25%	13%	18%
National	28%	51%	32%	16%	26%	13%	53%	24%	10%	44%	16%	20%

### Availability of life saving commodities

	Mean availability of tracer items	Percent of facilities with respective tracer items for life saving commodities													
		Oxytocin	Misoprostol	Magnesium sulphate	Procaine Benzylpenicillin	Gentamicin	Ceftriaxone	Antenatal corticosteroids	Skin disinfectant	Amoxicillin syrup	Amoxicillin 500mg cap/tab	Oral rehydration salts	Zinc	Female condoms	Injectable antibiotics (all three)
WEST POKOT	39%	52%	16%	22%	34%	40%	31%	13%	53%	72%	39%	72%	65%	15%	18%
National	40%	51%	10%	26%	37%	53%	32%	16%	54%	69%	39%	74%	63%	20%	17%

### Availability of HIV/AIDS commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for HIV/AIDS									
			Zidovudine (ZDV, AZT)	Zidovudine (ZDV, AZT) syrup	Nevirapine (NVP)	Nevirapine (NVP) syrup	Stavudine + Lamivudine + Nevirapine (D4T + 3TC + NVP)	Zidovudine + Lamivudine (AZT + 3TC)	Zidovudine + Lamivudine + Nevirapine (AZT + 3TC + NVP)	Tenofovir + Lamivudine + Nevirapine (TDF + 3TC + NVP)	Tenofovir + Lamivudine + Efavirenz (TDF + 3TC + EFV)	All first line drugs
WEST POKOT	84	33%	33%	33%	38%	38%	33%	38%	35%	28%	35%	23%
National	1991	39%	45%	24%	49%	48%	34%	46%	44%	35%	42%	18%

### Availability of TB commodities

	Total number of facilities providing service	Mean availability of tracer items	Percent of facilities with respective tracer items for TB commodities						
			Streptomycin 1gm Injection (for re-treatment)	Isoniazid	Rifampicin	Isoniazid + Rifampicin (2FDC)	Isoniazid + Rifampicin + Pyrazinamide (RHZ) (3FDC)	Isoniazid + Rifampicin + Ethambutol (RHE) (3FDC)	Isoniazid + Rifampicin + Pyrazinamide + Ethambutol (4FDC)
WEST POKOT	84	17%	17%	18%	19%	18%	16%	16%	14%
National	5840	41%	47%	37%	31%	42%	42%	40%	45%

### Availability of Malaria commodities

Availability of Malaria Commodities			Percent of facilities with respective tracer items for malaria commodities								
	Total number of facilities	Mean availability of tracer items	ACT (Artemether + Lumefantrine)	Quinine 300mg/ml injection	Artemether oily injection 80mg/ml	SP (Sulfadoxine + Pyrimethamine ) tabs	Paracetamol cap/tab (adult oral formulation)	Insecticide treated bednets for patients and their families and households	Spray pumps for Indoor Residual Spraying	Rapid diagnostic test kits	Protective gear for Indoor Residual Spraying (goggles, boots, gloves)
WEST POKOT	84	47%	74%	61%	29%	57%	74%	48%	18%	48%	16%
National	7396	42%	74%	58%	25%	46%	73%	36%	9%	42%	13%

### Availability of NCD commodities

			Percent of facilities with respective tracer items for NCD commodities											
	Total number of facilities	Mean availability of tracer items	Metformin cap/tab	Insulin injection	Glucose 50% (or 10%) injectable solution	Enalapril 5 mg cap/tab (Vasodilation)	Furosemide 40mg tabs (Thiazides)	Atenolol 50 mg cap/tab (Beta-blockers)	Amlodipine 5mg tab (Calcium channel blockers)	Aspirin 300mg tab	Beclomethasone 50mcg/dose inhaler	Prednisolone cap/tab	Hydrochlorothiazide 25mg tab	Epinephrine injection
WEST POKOT	84	24%	25%	8%	55%	25%	22%	16%	15%	60%	13%	28%	17%	11%
National	7396	25%	18%	13%	47%	22%	31%	19%	12%	55%	11%	31%	21%	18%

### Availability of general medicines

	Total number of facilities	Mean availability of tracer items	Percent of facilities with respective tracer items										
			Amoxicillin syrup/suspension	Ampicillin powder for injection	Ceftriaxone powder for injection	Gentamicin injectable	Procaine benzylpenicillin powder for injection	ORS sachets	Zinc tablets	ACT	Vitamin A capsules	Morphine granule, injectable or cap/tab	Paracetamol syrup/suspension
WEST POKOT	84	50%	72%	22%	31%	40%	34%	72%	65%	74%	65%	14%	69%
National	7396	49%	69%	13%	32%	53%	37%	74%	63%	74%	61%	7%	72%

## READINESS TO PROVIDE SERVICES

### General service readiness

WEST POKOT	General service Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership				% facilities ready, Service Readiness Domain			
		1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others	Basic amenities mean score	Basic equipment mean score	Standard precautions mean score	Essential medicines mean score
WEST POKOT	50%	74%	57%	49%	51%	54%	55%	52%	26%	41%	37%	44%	79%
National	57%	72%	65%	55%	53%	57%	65%	54%	43%	47%	67%	73%	41%

### Specific service readiness

		Readiness Index	% facilities ready, by tier of care				% facilities ready, by Ownership			
			1	2	3	4	Public	Private, not-for-profit	Private, for-profit	Others
HIV services	WEST POKOT	52%	85%	71%	73%	51%	77%	63%	56%	33%
	National	67%	71%	78%	74%	52%	76%	71%	52%	57%
TB services	WEST POKOT	52%	69%	92%	60%	38%	68%	66%	39%	33%
	National	50%	79%	87%	71%	46%	73%	63%	49%	38%
Malaria services	WEST POKOT	52%	79%	78%	69%	62%	76%	61%	61%	22%
	National	70%	78%	82%	75%	57%	78%	70%	59%	50%
Immunization services	WEST POKOT	52%	69%	96%	77%	51%	84%	72%	50%	33%
	National	64%	75%	91%	80%	30%	87%	65%	30%	39%
Child health services	WEST POKOT	52%	75%	78%	58%	41%	64%	59%	44%	17%
	National	55%	71%	80%	65%	30%	72%	56%	31%	34%
Maternal health services	WEST POKOT	52%	68%	36%	22%	29%	25%	38%	32%	33%
	National	32%	56%	43%	28%	28%	33%	35%	30%	22%
NCD services	WEST POKOT	52%	54%	39%	33%	17%	35%	34%	22%	33%
	National	34%	51%	51%	36%	21%	42%	34%	22%	23%
Surgical services	WEST POKOT	52%	64%	53%	44%	51%	46%	52%	52%	33%
	National	48%	68%	49%	42%	53%	40%	62%	55%	40%

### Organization of service delivery readiness

WEST POKOT	Mean readiness	% facilities ready, by different variables						
		Functional community units in all areas of responsibility	Community units submitting monthly reports	All community units carried-out community dialogue and action days at least once a quarter in the past financial year	Adequate registers for data collection for the past 12 months	Adequate summary forms for data collection for the past 12 months	Submitted regular reports in the past 12 months	Regular feedback to the community in the past 12 months
WEST POKOT	48%	38%	32%	32%	62%	66%	66%	40%
National	42%	28%	27%	26%	57%	58%	62%	36%

### Health stewardship readiness

WEST POKOT	Mean readiness	% facilities ready, by different variables								
		All 12 management meetings in past year	Annual work plan for July 2012 - June 2013	Mortality audits for all maternal deaths from July 2012 - June 2013	All 4 medicines and therapeutic committee meetings in past year	Community outreach in the area of responsibility in the past year	At least 4 supervisory visits in the past year	Functioning workplace health and safety committee	Functioning infection prevention committee	Functioning work/quality improvement in place
WEST POKOT	34%	38%	62%	15%	12%	39%	55%	31%	22%	32%
National	32%	34%	56%	15%	16%	37%	55%	27%	24%	27%

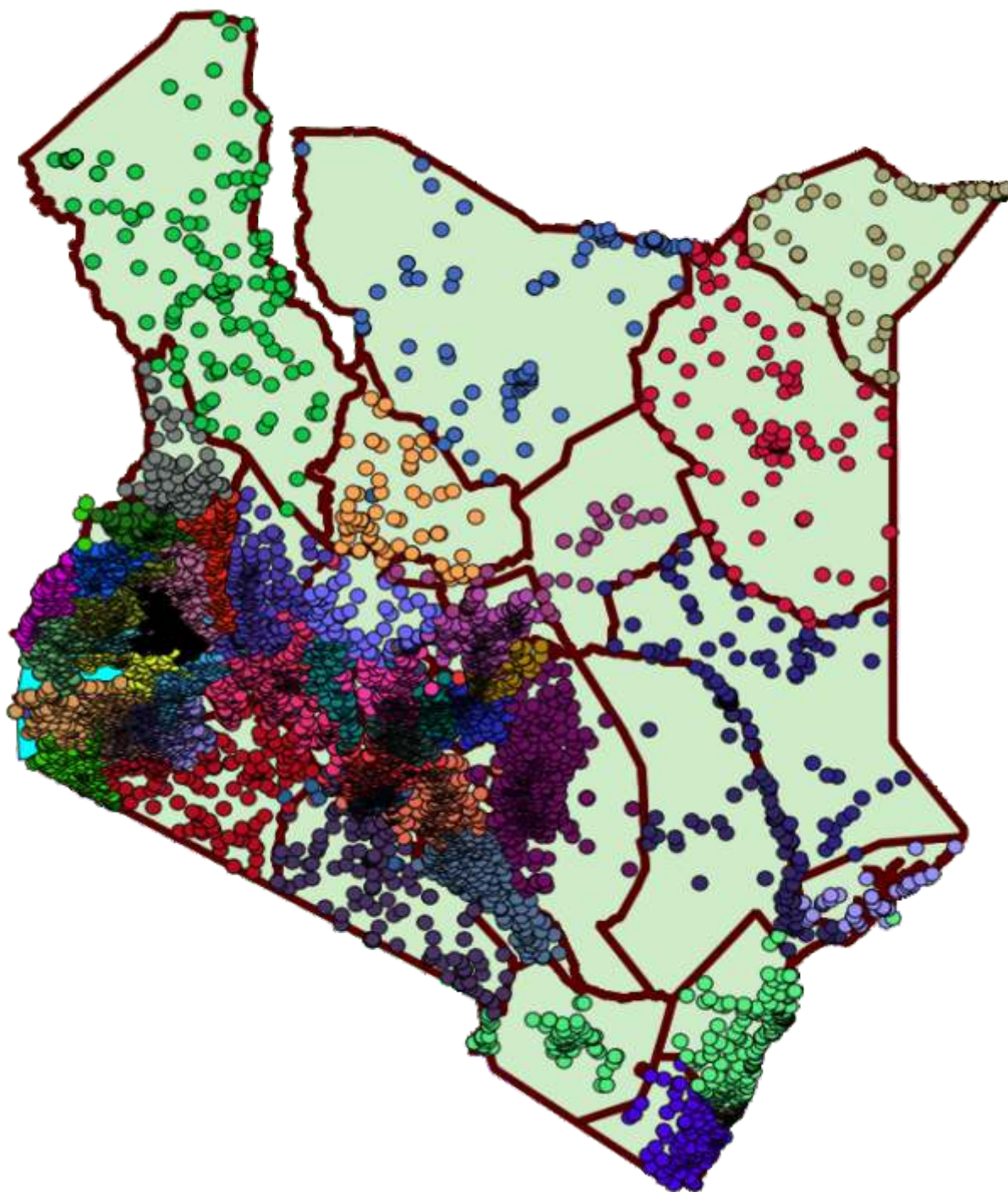
### Health partnership readiness

WEST POKOT	Mean readiness	% facilities ready, by different variables					
		Clearly demarcated area of responsibility	All 4 quarterly meetings with stakeholders in area of responsibility in past year	Annual stakeholder meeting with stakeholders in the area of responsibility in 2011 or 2012	Link to support groups operating within communities in the facility area of responsibility	Participate in district health stakeholders forum in the past year	Partners directly supporting/working
WEST POKOT	43%	61%	44%	42%	44%	40%	24%
National	37%	47%	34%	32%	41%	31%	38%

### Health governance readiness

WEST POKOT	Mean readiness	% facilities ready, by different variables			
		Fully constituted board/health facility committee	Board met at least 2 times in past financial year	Corruption prevention committee in place	Independently managed suggestion box
WEST POKOT	30%	58%	47%	7%	9%
National	36%	54%	49%	14%	26%





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