

# Research Terms of Reference

## Infrastructure and Service Mapping of Samburu County

KEN1904

Kenya

November 2019

Version 2

**REACH** Informing  
more effective  
humanitarian action

## 1. Executive Summary

<b>Country of intervention</b>	Kenya					
<b>Type of Emergency</b>	x	Natural disaster		Conflict		
<b>Type of Crisis</b>		Sudden onset	x	Slow onset		Protracted
<b>Mandating Body/ Agency</b>	Government of Kenya (GOK)/ National Drought Management Authority (NDMA)					
<b>Project Code</b>	24AKG					
<b>Overall Research Timeframe</b> <i>(from research design to final outputs / M&amp;E)</i>	01/08/2019 to 31/01/2021					
<b>Research Timeframe</b> <i>Add planned deadlines (for first cycle if more than 1)</i>	1. Start collect data: 26/11/2019			5. Preliminary presentation: N/A		
	2. Data collected: 10/12/2019			6. Outputs sent for validation: 17/01/2020		
	3. Data analysed: 20/12/2019			7. Outputs published: 31/01/2020		
	4. Data sent for validation: 20/12/2019			8. Final presentation: 03/02/2020		
<b>Number of assessments</b>	<input type="checkbox"/>	Single assessment (one cycle)				
	x	Multi assessment (more than one cycle) <i>[Two mapping exercises will be conducted]<sup>1</sup></i>				
<b>Humanitarian milestones</b> <i>Specify what will the assessment inform and when e.g. The shelter cluster will use this data to draft its Revised Flash Appeal;</i>	<b>Milestone</b>		<b>Deadline</b>			
	<input type="checkbox"/>	Donor plan/strategy	-- / -- / --			
	<input type="checkbox"/>	Inter-cluster plan/strategy	-- / -- / --			
	<input type="checkbox"/>	Cluster plan/strategy	-- / -- / --			
	<input type="checkbox"/>	NGO platform plan/strategy	-- / -- / --			
	x	Other (Specify): Samburu County government humanitarian response and contingency plan strategy	Throughout life of project			
<b>Audience Type &amp; Dissemination</b> <i>Specify who will the assessment inform and how you will disseminate to inform the audience</i>	<b>Audience type</b>		<b>Dissemination</b>			
	x Strategic		x General Product Mailing (e.g. mail to NGO consortium; HCT participants; Donors)			
	x Programmatic		<input type="checkbox"/> Cluster Mailing (Education, Shelter and WASH) and presentation of findings at next cluster meeting			
	x Operational		x Presentation of findings (e.g. at HCT meeting; Cluster meeting)			
	<input type="checkbox"/> [Other, Specify]					

<sup>1</sup> The second mapping exercise will be an update of the first one and will be carried out in 2020, the timeline to be confirmed.

		x Website Dissemination (Relief Web & REACH Resource Centre) <input type="checkbox"/> [Other, Specify]											
<b>Detailed dissemination plan required</b>	<input type="checkbox"/> Yes	x No											
<b>General Objective</b>	To provide an updated County-level mapping of infrastructure and services in order to inform a consolidated multi-sector evidence-based humanitarian programming and service delivery for Samburu County government and other humanitarian actors in the County.												
<b>Specific Objective(s)</b>	1. To provide up-to-date, quality data on location, and functionality of; education, health and nutrition facilities, markets, water points, warehouses, main bridges, government offices and non-governmental offices (NGOs) in Samburu County. 2. To provide a reliable up-to-date overview of the basic services of the targeted infrastructure, available to residents in Samburu County.												
<b>Research Questions</b>	<ul style="list-style-type: none"> <li>Where is the primary infrastructure – education, health and nutrition facilities, markets, water points, warehouses, main bridges, government offices and NGOs, – located within the county and how many are they by type?</li> <li>What is the condition and type service provision of the primary infrastructure in Samburu?</li> <li>Where, if any, are the gaps in primary infrastructure coverage?</li> </ul>												
<b>Geographic Coverage</b>	Samburu County (Samburu North, Samburu East and Samburu West Sub-Counties)												
<b>Secondary data sources</b>	<ul style="list-style-type: none"> <li>Samburu County government: Water department, Department of Livestock Production, Ministry of Education, Ministry of Health.</li> <li>Water, schools and health management system (MIS) for Samburu District, June 2007 final report by Rural Focus Limited.</li> <li>Water Resource Mapping in Samburu District, August 2013 by ACTED Kenya</li> <li>Kenya Humanitarian Data Exchange (HDX)</li> <li>Open Street Map and Google Maps</li> </ul>												
<b>Population(s)</b> <i>Select all that apply</i>	<table border="1"> <tr> <td><input type="checkbox"/> IDPs in camp</td> <td><input type="checkbox"/> IDPs in informal sites</td> </tr> <tr> <td><input type="checkbox"/> IDPs in host communities</td> <td><input type="checkbox"/> IDPs [Other, Specify]</td> </tr> <tr> <td><input type="checkbox"/> Refugees in camp</td> <td><input type="checkbox"/> Refugees in informal sites</td> </tr> <tr> <td><input type="checkbox"/> Refugees in host communities</td> <td><input type="checkbox"/> Refugees [Other, Specify]</td> </tr> <tr> <td>x Host communities</td> <td><input type="checkbox"/> Returnees in the Camps</td> </tr> </table>			<input type="checkbox"/> IDPs in camp	<input type="checkbox"/> IDPs in informal sites	<input type="checkbox"/> IDPs in host communities	<input type="checkbox"/> IDPs [Other, Specify]	<input type="checkbox"/> Refugees in camp	<input type="checkbox"/> Refugees in informal sites	<input type="checkbox"/> Refugees in host communities	<input type="checkbox"/> Refugees [Other, Specify]	x Host communities	<input type="checkbox"/> Returnees in the Camps
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<b>Stratification</b> <i>Select type(s) and enter number of strata</i>	<table border="1"> <tr> <td>x</td> <td>Geographical #: 3 Population size per strata is known? x Yes <input type="checkbox"/> No</td> <td>Group #:  Population size per strata is known? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td>[Other Specify] #:  Population size per strata is known? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> </table>			x	Geographical #: 3 Population size per strata is known? x Yes <input type="checkbox"/> No	Group #: Population size per strata is known? <input type="checkbox"/> Yes <input type="checkbox"/> No	[Other Specify] #: Population size per strata is known? <input type="checkbox"/> Yes <input type="checkbox"/> No						
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<b>Data collection tool(s)</b>	x Structured (Quantitative)		x Semi-structured (Qualitative)										
	<b>Sampling method</b>		<b>Data collection method</b>										
<b>Semi-structured data collection tool # 1</b> <i>Select sampling and data collection method and specify target # interviews</i>	<input type="checkbox"/> Purposive <input type="checkbox"/> Probability / Simple random <input type="checkbox"/> Probability / Stratified simple random <input type="checkbox"/> Probability / Cluster sampling <input type="checkbox"/> Probability / Stratified cluster sampling <input checked="" type="checkbox"/> [Other, Specify] Census		<input checked="" type="checkbox"/> Key informant interview (Target #): Target unknown as it will depend on how many infrastructure facilities exist in the County <input type="checkbox"/> Group discussion (Target #): _____ <input type="checkbox"/> Household interview (Target #): _____ <input type="checkbox"/> Individual interview (Target #): _____										

		x Direct observations (Target #): Target unknown as it will depend on how many infrastructure facilities exist in the County x [Other, Specify] (Target #): Spatial verification			
<b>Target level of precision if probability sampling</b>	__% level of confidence		__+/- % margin of error		
<b>Data management platform(s)</b>	x	IMPACT	x	GOK/NDMA	
		[Other, Specify]			
<b>Expected output type(s)</b>		Situation overview #: __	Report #: __		Profile #: __
		Presentation (Preliminary findings) #: __	Presentation (Final) #: __		Factsheet #: __
		Interactive dashboard #: __	Webmap #: __	x	Map #: 4
		[Other, Specify] #: __			
<b>Access</b>	x	Public (available on REACH resource center and other humanitarian platforms)			
		Restricted (bilateral dissemination only upon agreed dissemination list, no publication on REACH or other platforms)			
<b>Visibility</b>	REACH, OFDA/USAID, GOK/NDMA				

## 2. Rationale

### 2.1. Rationale

Samburu County is one of the 47 County governments in Kenya. It has three sub-counties and is located in the arid and semi-arid lands (ASALs) of Kenya. According to the 2019 Kenya population and housing census, Samburu County has a population of 310,327<sup>2</sup>. The primary economic activity is nomadic pastoralism with parts of Samburu practicing agro-pastoralism. The severe underperformance of rain across Samburu County since August 2018 has led to a steep decline in access to water<sup>3</sup>, alarming rates of food insecurity<sup>4</sup> and heavy strain on livelihoods<sup>5</sup>.

The Government of Kenya has committed itself to end drought emergencies in Kenya by the year 2022. This is clearly spelt out in the Second Medium Term Plan (MTP 2013-2017) for the Kenya Vision 2030<sup>6</sup>. However, as the drought continues to prolong, it has become increasingly important to fill information gaps in a systematic and comprehensive manner to inform a more effective humanitarian response and planning for immediate life-saving activities and contingency planning for sustainable solutions.

Samburu County, whose mission statement is to promote socio-economic development through prudent utilisation of resources to enhance public service delivery and livelihoods, is one of the most drought affected counties in Kenya according to the National Drought Management Authority. Spatial plans provide policies and development proposals to guide and

<sup>2</sup> <https://www.knbs.or.ke/>

<sup>3</sup> Access to water is 21% in Samburu North, 25% in Samburu East and 46% in Samburu Central. Information obtained from Mr. E. Sinoti and Mr. J. Katon of the Samburu Department of Medical Services, Public Health and Sanitation on 22 May 2019.

<sup>4</sup> Prevalence of negative coping mechanisms such as missing meals and eating seeds, and rising caseloads of malnutrition. Information obtained during ACTED needs assessment on 15th -24th May 2019 in Samburu County.

<sup>5</sup> In terms of poor terms of trade, poor body conditions of livestock, dormant farms and lack of labor opportunities. Information obtained during ACTED needs assessment on 15th -24th May 2019 in Samburu County.

<sup>6</sup> <https://vision2030.go.ke/about-vision-2030>

influence development of the County for a period of 5 years<sup>7</sup>. Existing information on locations and conditions of key primary infrastructure and service delivery in the County for humanitarian intervention and development planning is however sparse. In response to a weak information management at County levels, a detailed and up-to-date County-level infrastructure information is thus required to feed into the County's Disaster Risk Management plans and contingency plans. This information will also enable the County government to plan a coordinated humanitarian response to address the needs and barriers to assessing services in Samburu.

### **Programme purpose and institutional framework**

REACH is to collect the Samburu County infrastructure and service delivery information to inform the overall humanitarian response in different settlements across the County. REACH has a memorandum of understanding (MOU) with the relevant County government ministries' departments and NDMA to provide technical backstopping for all the sectors covered in the assessment. REACH will also strengthen the capacity of the County government departments and the NDMA in regard to information management, in order to ensure that the technical skills and knowledge for maintaining and updating the database are transferred to the County authorities by the end of the project.

#### **REACH's involvement:**

- REACH will produce training materials for enumerators, County government, NDMA and other partners
- Develop tools for data collection and analysis
- Conduct the data collection of targeted infrastructure across all Sub-counties in Samburu
- Provide clean and analysed data
- Provide joint analysis and discussion outputs at County and Sub-County level

## **3. Methodology**

### **3.1. Methodology overview**

In this mapping exercise, REACH will follow a mixed methods approach through use of key informant interviews (in person and/or over phone), direct observations, GPS tracking, and secondary data sources. Relevant Samburu County government ministries will be consulted in the design of data collection tools. Enumerators will use the Open Data Kit (ODK) tool on smart phones to conduct primary data collection across the County, recording the location and condition of the infrastructure.

This mapping exercise will be rolled-out across all the three Sub-Counties of Samburu County concurrently in November 2019. Following the results of this exercise, another mapping exercise to update the datasets and fill any information gaps, will be done in 2020 before the end of the research cycle.

### **3.2. Population of interest**

The populations of interest in this mapping exercise are defined as:

- Residents from Samburu County (Samburu East, Samburu North and Samburu West Sub-counties).
- Service providers in Samburu County

### **3.3. Secondary data review**

Prior to collecting primary data, a review of facilities that provide basic services (defined in this study as education, health and nutrition facilities, markets, water points, warehouses, main bridges, government offices and non-governmental offices) will be conducted to determine the location and catchment area of each facility. The following data will be used to conduct the service mapping:

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<sup>7</sup> Samburu County Government Integrated Development Plan (2013-2017)

- I. Samburu County government- Water department, Department of Livestock Production, Ministry of education, Ministry of health. Each department will provide secondary data for water sources, markets, schools, health and nutrition facilities, respectively.
- II. Water, schools and health management system (MIS) for Samburu District, June 2007 final report by Rural Focus Limited. The available maps in this report will provide a base for water, schools and health facilities locations, names and their distribution in the County as of 2007.
- III. Water Resource Mapping in Samburu District, August 2013 by ACTED Kenya. This will provide data for the different water points mapped in the County as of 2013.
- IV. Kenya Humanitarian Data Exchange (HDX)- Schools, Health facilities, Administrative boundaries, Towns, and Roads data will be downloaded from this website.
- V. Open Street Map and Google maps will be used to capture additional towns and roads data, not captured on the above 4<sup>th</sup> secondary data source.

### **3.4. Primary Data Collection**

REACH enumerators will conduct the data collection with oversight from REACH Field Officer (FO), GIS Officer (GISO), and Database Assistant .

#### **Infrastructure mapping:**

- REACH will map all education, health and nutrition facilities, markets, water points, warehouses, main bridges and administrative/NGO offices which are available to residents across the County. A list of the facilities and/or locations from the county ministries obtained during secondary data collection will be used as a starting point. GPS locations of facilities obtained from the secondary data, will be loaded into MAPinr application whereby enumerators will navigate to and locate the facilities. The enumerators will also assist in locating facilities as they will be selected from their respective Sub-Counties of which they have a good knowledge.
- For all facilities targeted, enumerators will complete the questionnaire about the physical infrastructure of facilities as well as the services offered by each facility. This will provide data about the variation in types of facilities and services offered at each, as well as the number of facilities that are currently non-functional.
- Key informants at education, health and water sources facilities will provide primary data on service provision. This will be done through semi structured interviews collecting data on core indicators and qualitative measures in service delivery.
- A snowballing technique will also be used to ensure a greater capture of the facilities in the County. Each KI interviewed at all the listed facilities (heads or deputy heads of schools, medical superintendent, medical officer in charge, community member) will be asked if any other facilities exist which are not on the lists provided by the County government departments or other partners.
- In order to conduct a comprehensive infrastructure mapping of all the facilities in Samburu County, a sweep of the Sub-Counties will be done to account for each of the administrative wards in the County, where enumerators will be split up to cover a certain number of wards each to ensure everything is being covered and to avoid duplication. Samburu County has 15 Wards in total. There will be 3 teams (1 team per Sub-County) each led by the REACH field officer, one GIS officer, one database assistant respectively and data will be collected by 12 enumerators in total (each working for 15 days).
- There will be 1 day of training on tools, each enumerator will be assigned a phone containing ODK and MAPinr. They will use MAPinr to navigate to the locations of facilities loaded. Once a facility is captured, the color will be changed to distinguish them from the yet to be assessed, this will be counter verified during data cleaning by spatially verifying the covered Wards through the collected points. To avoid overlap each enumerator will only visit the Wards they are assigned.

### **3.5. Data Processing & Analysis**

Data collected from infrastructure mapping using ODK tool will be uploaded daily onto the KOBO server and the Ward administrative boundaries reviewed to record daily progress. Daily quantitative data checks will be done in the evening by

the Database Assistant once the Field Officer has uploaded data in the server. Daily spatial verifications will be done by the GIS Officer who will only have access to the gps points, facility types and names, to check that all areas have been covered. The outcomes of the daily data quality checks will form a basis for debriefing the enumerators before further data collection the next day.

Once all data has been uploaded, data cleaning will begin and feedback gathered where needed from enumerators. Where necessary, KIs will be contacted directly to ask for clarification on the datasets. All errors will be recorded in a cleaning log which will be shared upon request. The final clean dataset will be reviewed by REACH HQ before publication and sharing. Data analysis will be conducted by the GIS officer in charge, using a mix of Excel and R script. One standalone map for the whole County and a single map will be produced for each of the 3 Sub-Counties covering the sectors of education, health and nutrition facilities, markets, water points, main bridges, warehouses, administrative/NGO offices and any other additional base layers such as roads and settlements. The standalone output maps will be produced by the GIS Officer using ArcGIS.

## 4. Roles and responsibilities

Table 1: Description of roles and responsibilities

<b>Task Description</b>	<b>Responsible</b>	<b>Accountable</b>	<b>Consulted</b>	<b>Informed</b>
Research design	GIS Officer	Assessment Manager	REACH HQ, Assessment Manager, GOK/NDMA	Country Coordinator
Supervising data collection	Field Officer	Database Assistant	REACH HQ, Assessment Manager, GIS Officer	Country Coordinator
Data processing (checking, cleaning)	Database Assistant, GIS Officer	Database Assistant	REACH HQ, Assessment Manager	Country Coordinator
Data analysis	GIS Officer, Database Assistant	GIS Officer	REACH HQ, Assessment Manager	Country Coordinator, GOK/NDMA
Output production	GIS Officer	GIS Officer	REACH HQ, Assessment Manager	Country Coordinator, GOK/NDMA
Dissemination	GIS Officer	GIS Officer	REACH HQ, Assessment Manager	Country Coordinator, GOK/NDMA
Monitoring & Evaluation	GIS Officer	GIS Officer	REACH HQ, Assessment Manager, GOK/NDMA	Country Coordinator, GOK/NDMA
Lessons learned	GIS Officer	GIS Officer	Assessment Manager, Database Assistant, REACH HQ, GOK/NDMA	Country Coordinator, GOK/NDMA

**Responsible:** the person(s) who executes the task

**Accountable:** the person who validates the completion of the task and is accountable of the final output or milestone

**Consulted:** the person(s) who must be consulted when the task is implemented

**Informed:** the person(s) who need to be informed when the task is completed

**NB:** Only one person can be Accountable; the only scenario when the same person is listed twice for a task is when the same person is both Responsible and Accountable

## 5. Data Analysis Plan

Please see Annex 1 for a detailed Data Analysis Framework.



## 6. Monitoring & Evaluation Plan

- Please complete the M&E Plan column in the table and use the corresponding Tools in the Monitoring & Evaluation matrix to implement the plan during the research cycle.

IMPACT Objective	External M&E Indicator	Internal M&E Indicator	Focal point	Tool	Will indicator be tracked?
Humanitarian stakeholders are accessing IMPACT products	Number of humanitarian organisations accessing IMPACT services/products	# of downloads of x product from Resource Center	Country request to HQ	User_log	x Yes
		# of downloads of x product from Relief Web	Country request to HQ		x Yes
		# of downloads of x product from Country level platforms	Country team		x Yes
	Number of individuals accessing IMPACT services/products	# of page clicks on x product from REACH global newsletter	Country request to HQ		x Yes
		# of page clicks on x product from country newsletter, sendingBlue, bit.ly	Country team		x Yes
		# of visits to x webmap/x dashboard	Country request to HQ		<input type="checkbox"/> Yes
IMPACT activities contribute to better program implementation and coordination of the humanitarian response	Number of humanitarian organisations utilizing IMPACT services/products	# references in HPC documents (HNO, SRP, Flash appeals, Cluster/sector strategies)	Country team	Reference_log	Samburu county government response and contingency plan strategy.
		# references in single agency documents			
Humanitarian stakeholders are using IMPACT products	Humanitarian actors use IMPACT evidence/products as a basis for decision making, aid planning and delivery	Perceived relevance of IMPACT country-programs	Country team	Usage_Feedback and Usage_Survey template	Decisions made and implemented on the basis of the study– to be checked with operational and donor partners to ask what actions they took on the basis of the findings and recommendations This infrastructure and service mapping may also be included in a usage survey of partners if one is conducted in the future.
		Perceived usefulness and influence of IMPACT outputs			
	Number of humanitarian documents (HNO, HRP, cluster/agency strategic plans, etc.) directly informed by	Recommendations to strengthen IMPACT programs			
		Perceived capacity of IMPACT staff			

	IMPACT products	Perceived quality of outputs/programs			
		Recommendations to strengthen IMPACT programs			
<b>Humanitarian stakeholders are engaged in IMPACT programs throughout the research cycle</b>	Number and/or percentage of humanitarian organizations directly contributing to IMPACT programs ( <i>providing resources, participating to presentations, etc.</i> )	# of organisations providing resources (i.e. staff, vehicles, meeting space, budget, etc.) for activity implementation	Country team	Engagement_log	x Yes
		# of organisations/clusters inputting in research design and joint analysis			x Yes
		# of organisations/clusters attending briefings on findings;			x Yes



## Annex 1: Data analysis plan

Research Questions	Sub-question	Questionnaire question	Choices	Data collection method	Key disaggregations (Group types)
Where is the primary infrastructure – education, health and nutrition facilities, markets, water points, warehouses, main bridges, government offices and NGOs, – located within the county and how many are they by type?	Where is the primary infrastructure – education, health and nutrition facilities, markets, water points, warehouses, main bridges, government offices and NGOs, – located in the county?	In which sub-county is the assessment being conducted?	Samburu West Samburu East Samburu North	Mapping ODK tool	Basic information
		In which ward is the assessment being conducted?	Angata Nanyokie Baawa El-Barta Lodokejek Loosuk Maralal Nachola Ndoto Nyiro Poro Suguta Marmar Wamba East Wamba North Wamba West Waso	Mapping ODK tool	Basic information
		What is the name of the town, village or settlement?  If other, please specify	Adawacheke Akaaiteputh Akalodak Akangoramiriek Apach Atagirion Barsalinga Barsaloi Bobongi Chapulo Dalecha Dela Derikes Dole Eburin Elloritti Embukoi Engutukolmuget Enkilelengi Enkisoro Garra Gosagosi Gurleyo Ilbaaoibor Ilbartuk Ildebesare Ilkalkaloi Ilkeeksapuki Ilkuoneiyani Ingarua Ipulduk Ipus Impolosi Kalamudang Kamethekilengap uth	Mapping ODK tool	Basic information

			Kangura Kashapure Kelele Kelumbi Kiripash Kisima Kogisa Koiting Koron Kumkum Lailelai Lakerdingai Lalarok Larariak Larisoro Lawai Lawun Lekima Lemisigiyo Lerata Lerekere Lgirigiri Likaiu Lminchoominyi Lodapal Lodokejek Lodungokwe Loibashai Loiting Lolguchani Lolgunono Lolkidong Lolkoitai Lolkujita Lolmulok Lolnguswa Loluaa Lomotokani Lomuata Lonkewan Lonkutukie Lopukwe Lorok Lorukoti Losergoi Lowalalale Malaso Marti Martisumatia Mertinanyuki Molio Moridjo Moror Mweiai Nadua Nadungo Nagaramasania Nagoriagwen Naimaralal Naishamunyei Nakefenda		
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			Nakwawi Nalala Namortana Nangaro Nanyuki Nauneeri Nauseligadeli Ndikiraposokola Ndirgirbu Ndondol Nguruki Ngurumaut Ngworika Nkaroni Nkichita Nkoriga Nkoteyia Nkukon Nkumemalo Noikiriongwesi Nolbesharani Noldubai Nonkeek Oldobai Ongatanaiborkeju Ongatanairobi Pel Porlera Poro Rapa Raraita Sakumai Samali Segera Seketet Serolevi Sesia Soitonarok Soraadoru Suiyian Surali Sware Tamiyioi Tibaku Tual Tum Uasibarr Uersila Waitiakwel Other		
	What is the type of each of the primary infrastructure?	What is the type of facility?	Health School Water point Market Administration office Warehouse Main bridge	Mapping ODK tool	Basic information
		What is the name of the \${facility_type} facility?	Enter text	Mapping ODK tool	Basic information

**Samburu County-level mapping of services and infrastructure, November 2019**

What is the condition and type service provision of the primary infrastructure in Samburu?	Who manages the primary infrastructure?	Who manages services at this facility?  If other, please specify	Government NGO Community based organisation Private company Individual Other	Mapping ODK tool	Basic information
How many health facilities are they by type?	What is the type of health facility?	What type of health facility is this?  If other, please specify	Primary health Care unit Health Centre Referral health Centre Hospital Medical clinic Mobile Clinic Pharmacy Dispensary Other	Mapping ODK tool	By health and nutrition
What is the condition and type service provision of the primary infrastructure in Samburu?	What utilities does the health facility have?	How many rooms does the facility have?	Enter integer	Mapping ODK tool	By health and nutrition
		How many beds does the facility have?	Enter integer	Mapping ODK tool	By health and nutrition
		Does the facility have a supply of power/lighting?	Yes No	Mapping ODK tool	By health and nutrition
		What is the supply of power?  If other, please specify	Solar Wind Kenya power Generator Biomass Other	Mapping ODK tool	By health and nutrition
		Does the facility have a water supply?	Yes No	Mapping ODK tool	By health and nutrition
		What is the source of water?  If other, please specify	Tap Borehole Vendors Water trucking River/Lake Harvested/Rain water Other	Mapping ODK tool	By health and nutrition
	What is the functionality of the health facility?	Are any services currently operating from this facility?	Yes No	Mapping ODK tool	By health and nutrition
	Which health and nutrition services are available at the health facility?	Which health services are available at this facility?  If other, please specify	Pediatric services In-patient services Out-patient services Nutrition services Vaccination services Maternal health services Surgery Pharmacy First-line TB treatment (for non-drug resistant)	Mapping ODK tool	By health and nutrition

What is the condition and type service provision of the primary infrastructure in Samburu?			Second-line TB treatment (for drug resistant) Psychosocial services Psychiatric services Physical disability services (including follow up and physiotherapy) Non-communicable diseases (Diabetes, Asthma, Hypertension) HIV/ AIDS treatment Referral services Other		
		What are the types of nutrition services available?	Stabilization Center (SC) Out-patient Therapeutic Care Programme (OTP) Targeted Supplementary Feeding Programme (TSFP) Blanket Supplementary Feed Programme (BSFP) Wet Feeding Infant and young Child feeding (IYCF) Micronutrient supplementation None of the above	Mapping ODK tool	By health and nutrition
		Which vaccines are available at the facility?  If other, please specify	BCG DTP TT - Tetanus Measles Pentavalent Polio Other	Mapping ODK tool	By health and nutrition
	Is there a storage room for drugs?	Is there a lockable drug store room at the facility?	Yes No	Mapping ODK tool	By health and nutrition
	What is the number of each type of the health workers available at the health facility?	Which health workers are available at the facility? If other, please specify	Doctors Nurses Midwives Community health workers	Mapping ODK tool	By health and nutrition

What is the condition and type service provision of the health facility?			Public health officers Registered clinical officers Laboratory technicians Nutritionist Pharmacist Other		
		How many health workers work at this facility?	Enter integer	Mapping ODK tool	By health and nutrition
	If any, what are the causes and extent of damage of health facility structures?	Has the structures of the health facility been damaged?	Yes No	Mapping ODK tool	
		If Yes, what is the cause of damage to the health facility structures? If other, please specify	Flooding Wind Vandalism Other	Mapping ODK tool	By health and nutrition
		If health facility is damaged, what is the extent of the damage?	Usable but needs repair Not usable and needs repair Usable and no need for repair Completely destroyed	Mapping ODK tool	By health and nutrition
	What are the contact details of the facility KI if he/ she is willing to provide?	Is the available key informant willing to provide contact details? Contacts may be used for REACH to clarify responses, or to update conditions in the facility. Contacts will not be passed to any other agency, individual or organization	Yes No	Mapping ODK tool	By health and nutrition
		Names of the key informant	Enter text	Mapping ODK tool	By health and nutrition
		Telephone number of the Key informant	Enter integer	Mapping ODK tool	By health and nutrition
		What is the position of the key informant? If other, specify	Doctor In charge Nurse In charge Laboratory technician Other	Mapping ODK tool	By health and nutrition
	What is the functionality of school?	What is the composition of the students or pupils in the school?	Boys only school Girls Only school Mixed school with both Boys and Girls	Mapping ODK tool	By school
Can you observe signs of teaching and learning during normal school hours?		Yes No	Mapping ODK tool	By school	
How many schools are they by type?	What is the type of school?	When functioning, what level of education	Early childhood development (ECD)	Mapping ODK tool	By school



		was/ is taught at the school?  If other, please specify	Primary school Secondary school Primary and Secondary school Accelerated learning program (ALP) Vocational training center Adult education program (AEP) Islamic school Alternative Basic Education (ABE) Other		
	Do we have a key informant to interview?	Is there someone available to answer questions about the school before it closed? (This is only asked if the school is not functioning)	Yes No	Mapping ODK tool	By school
What is the condition and type service provision of the school facility?	If any, what are the causes and extent of school structures damage?	Has the school structures been damaged?	Yes/No	Mapping ODK tool	By school
		If yes, what has caused the damage of the school structures? If other, please specify	Flooding Wind Vandalism Other	Mapping ODK tool	By school
		If school is damaged, what is the extent of the damage?	Usable but needs repair Not usable and needs repair Usable and no need for repair Completely destroyed	Mapping ODK tool	By school
	If available, what is the status of the school feeding program?	Is there a feeding program active at this school?	Yes No	Mapping ODK tool	By school
		How many meals are provided per day?	Enter integer	Mapping ODK tool	By school
		Does the school have facilities for preparing food?	Yes No	Mapping ODK tool	By school
		Does the school have space for the storage of food?	Yes No	Mapping ODK tool	By school
		How many classrooms does the school have?	Enter integer	Mapping ODK tool	By school
	What utilities does the school have?	Does the facility have a supply of power?	Yes No		
		What is the supply of power/lighting? If other, please specify	Solar Wind Kenya power Generator Biomass Other		
		Does the facility have a water supply?	Yes No	Mapping ODK tool	By school

What is the condition and type service provision of the school facility?		What is the source of water?  If other, please specify	Tap Borehole Vendors Water trucking River/Lake Harvested/Rain water Other	Mapping ODK tool	By school
	What is the status of the sanitation facilities?	Are there functional latrines at the school?	Yes No	Mapping ODK tool	By school
		Are the latrines segregated by gender?	Yes No	Mapping ODK tool	By school
		How many latrines for girls?	Enter integer	Mapping ODK tool	By school
		How many latrines for boys?	Enter integer	Mapping ODK tool	By school
	By gender, what is the student enrolment and dropout numbers and teachers at the school facility?	How many female students are enrolled in school?	Enter integer	Mapping ODK tool	By school
		How many male students are enrolled in the school?	Enter integer	Mapping ODK tool	By school
		How many male students have dropped out from the school since the start of the school year?	Enter integer	Mapping ODK tool	By school
		How many female students have dropped out from the school since the start of the school year?	Enter integer	Mapping ODK tool	By school
		How many teachers are working at the school?	Enter integer	Mapping ODK tool	By school
	What are the contact details of the facility KI if he/ she is willing to provide?	Is the available key informant willing to provide contact details? Contacts may be used for REACH to clarify responses, or to update conditions in the school. Contacts will not be passed to any other agency, individual or organization	Yes No	Mapping ODK tool	By school
		Names of the key informant	Enter text	Mapping ODK tool	By school
Telephone number of the Key informant		Enter integer	Mapping ODK tool	By school	
What is the position of the key informant? Other, specify.		Head teacher Deputy Head teacher Senior teacher Teacher Other	Mapping ODK tool	By school	
How many water points are they by type?	Is the water point improved or unimproved?	What is the type of water point? If other, please specify	Water storage tank (related to distribution point)	Mapping ODK tool	By water points

			Tap stand Borehole with submersible pump Water kiosk Protected well (sealed, not only covered in sticks) Unprotected well Dam Spring water Other		
What is the condition and type service provision of the water point?	What is the capacity of the storage tank?	What is the capacity of the tank in litres?	Enter integer	Mapping ODK tool	By water points
	What is the name of each of the water point?	What is the code of the borehole (write 999 if unknown or not available)	Enter characters	Mapping ODK tool	By water points
	What is the functionality of water point?	How many taps does the water point have?	Enter integer	Mapping ODK tool	By water points
		Is the water point functioning?	Yes No	Mapping ODK tool	By water points
		Why is the water point not functioning? Other reason, specify	Storage tanks broken Taps are broken Water is contaminated Pump or generator broken Unknown Other	Mapping ODK tool	By water points
	What is the quality of water at this water point?	Is the water drinkable?	Yes No	Mapping ODK tool	By water points
		Is water treated at this water point?	Yes No	Mapping ODK tool	By water points
		If treated, what type of treatment is used? Other, specify	Flocculation Chlorination Unknown Other	Mapping ODK tool	By water points
	How much is the water point charging for water?	Is there a charge for water at this water point?	Yes No	Mapping ODK tool	By water points
		How much does a 20L Jerry Can of water cost, in shillings?	Enter integer	Mapping ODK tool	By water points
How many markets are they by type?	What is the type of each of the market?	What market type is this?	Main Market (A market where food, non-food items and livestock if available are sold) Livestock Market (A market where only livestock are sold, either one type of livestock or more types) Food Market (A market where	Mapping ODK tool	By markets

			only food items are sold)		
What is the condition and type service provision of the market?	What is the functionality of warehouse?	Is the market functioning?	Yes No	Mapping ODK tool	By markets
		Is the market open at night?	Yes No	Mapping ODK tool	By markets
	Which food types are available in the market?	Which of the following food types are stocked by the market?  If other, please specify	Sorghum Cereals Rice or other roots/tubers Milk products Meat/Fish Eggs Fruits/Vegetables Oils/Fats/Butter Sugar or sugar products Other	Mapping ODK tool	By markets
	Which types of livestock are available in the market?	Which of the following livestock are stocked by the market?  If other, please specify	Cow Goat Sheep Camel Horse Chicken Pig Other	Mapping ODK tool	By markets
How many administration offices are they by type?	What is the type and name of each of the administration office?	What type of administration office?	Police post Police Station County Offices Non-Governmental Office (NGO)	Mapping ODK tool	By administration office
What is the condition and type service provision of the administration office?	What is the functionality of the administration office?	Is the administration office functional?	Yes No	Mapping ODK tool	By administration office
		Why is the administration office not functioning? If other, please specify	Vandalism Conflict/insecurity Migration Other		
What is the condition and type service provision warehouse?	What is the functionality of warehouse?	Is this warehouse functional?	Yes No	Mapping ODK tool	By warehouse
		If not functional, why?	Enter text	Mapping ODK tool	By warehouse
		What items are stocked in this warehouse?  If other, specify?	Maize Beans Rice Green grams Soya Cooking oil Fertilizer Other	Mapping ODK tool	By warehouse
	What is the capacity of the warehouse when full?	What is the storage capacity of the warehouse in metric tonnes?	Enter integer	Mapping ODK tool	By warehouse
What is the condition and type service provision of the bridge?	What is the functionality of the bridge?	Is this bridge in use?	Yes No	Mapping ODK tool	By main bridges
		If no, why not?	Enter text	Mapping ODK tool	By main bridges
	What is the structure of the bridge?	What type of material is it made of?	Concrete and steel Steel	Mapping ODK tool	By main bridges

		Other, specify	Wood Other		
Where is the primary infrastructure – education, health and nutrition facilities, markets, water points, warehouses, main bridges, government offices and NGOs, – located within the county and how many are they by type?	What is the GPS location of the primary infrastructure?	Please take the GPS coordinates of the facility, if inside hold the phone by a window or leave the building, please wait for accuracy to drop below 5 metres.	Take geo-point	Mapping ODK tool	
	Geo-photo of the primary infrastructure?	Kindly take a good photo of the facility. Please don't take only the gate or door, but a good photo that shows the facility. Do not take photo of a face of any individual, but can take picture of persons receiving the service offered."	Take photo	Mapping ODK tool	