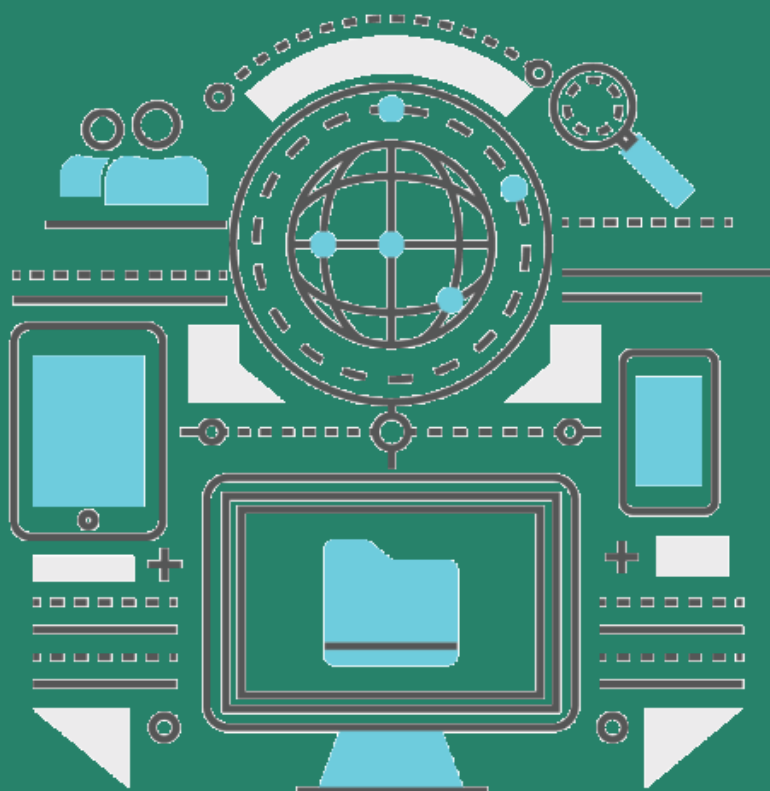# Overview of the Nutrition Information System in Kenya

DURE Technology

ABOUT THE NIPN INITIATIVE

National Information Platforms for Nutrition (NIPN) is an initiative of the European Commission supported by the United Kingdom Department for International Development and the Bill & Melinda Gates Foundation. The initiative aims to strengthen national capacity to manage and analyse information and data from all sectors which have an influence on nutrition and to disseminate and use information so as to better inform the strategic decisions countries are faced with to prevent undernutrition and its consequences. A Global Support Facility has been set up by the European Commission to coordinate the NIPN initiative, managed by the Agrinatura alliance and hosted by Agropolis International.

DISCLAIMER

This publication has been commissioned by the Global Support Facility for the National Information Platforms for Nutrition initiative. The findings, interpretations, conclusions, advice and recommendations expressed in this work are those of the authors and do not necessarily reflect the views of the organizations that host, manage or fund the Global Support Facility.

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The report can be downloaded here: http://www.NIPN-nutrition-platforms.org/IMG/pdf/nutrition-info-system-kenya.pdf

Contents

Introduction

This report presents the findings for Kenya of a study undertaken by Dure Technology (http://www.duretechnologies.com/), commissioned by the Global Support Facility of the National Information Platforms for Nutrition (NiPN) global initiative.

The summarized findings are presented in 4 sections:

- **Section 1: Global parameters**

  Key parameters of the Nutrition Information System have been assessed and are presented in a synthetic table.

- **Section II: Mapping of existing information systems**

  Sectoral and multi-sectoral information systems that can be relevant to nutrition have been identified and are described in this section. A table summarizes the findings.

- **Section III: Indicator mapping**

  17 multisectoral "key indicators" were arbitrary selected to represent multi-sectoral information important for Nutrition. For those indicators, the institution(s) in charge of data collection / quality review / analysis and dissemination were identified.

- **Section IV: Mapping of the main stakeholders identified**

The assessment followed key steps:

1. Creation of a questionnaire

2. Pre-populating the questionnaire with available country-specific information (including the work undertaken by SUN available here: https://scalingupnutrition.org/share-learn/planning-and-implementation/information-systems-for-nutrition/)

3. Interviews with main stakeholders (held between 1st - 30th Sep 2018)

4. Thorough investigation of open access/publicly available information

5. Report compilation

Section I: Global Parameters

Parameters assessed	Situation in Kenya
Existence of any IT system for Central Data Repository	None
Access to raw data/ metadata across IT systems	Partial
Frequency of Data updation on existing IT systems	Unsatisfactory
Analysis of available nutrition-related data	Partial (Limited analyses of existing datasets)
Data exchange capability between IT systems	Available for some IT systems (KenInfo, KeNADA)
Presentation of summary statistics on existing IT systems	Available for some IT systems (STATcompiler, KenInfo, KeNADA, MoH Nutrition Platform, KHIS)
Existence of IT systems	Available
Infrastructure for efficient data reporting (Computers/ Internet)	Likely existing (No gaps highlighted)
Availability of Standard Reporting Tools	Existing
Type of Data collection- (Hardcopy-based/ Digital)	Mostly hardcopy-based
Tools used for nutrition-related Data Consolidation	IT System: KHIS (DHIS2 based), KeNADA (NADA based), KenInfo (DevInfo based)
Data Analytics/ Reporting & Dashboard	IT system: KHIS, KeNADA, KenInfo, STATcompiler, MoH Nutrition Platform
Level of Program Coverage across the country	Satisfactory
Plan for a Multi-sectoral nutrition-related Data repository in place	Yes, Kenya NIPFN
Existence of Data sharing law/ Policy	Not yet
A compliant data exchange mechanism/ guideline	Absent for most
National Budget allocated for Nutrition-related interventions	Yes
Major sources of nutrition-related Data	Survey (KDHS, MICS, SMART, Kenya Integrated Household Budget Surveys, Kenya National Micronutrient Survey), Routine data collection through HIS, MUAC Surveillance System, WASH Programme, Census, County Integrated Development Plans
Presence of a Governing body for inter-sectoral coordination of nutrition in Kenya	Yes, there exists Nutrition Interagency Coordinating Committee (NICC) in Kenya (Nutrition-specific interventions are coordinated by NICC)

Section II: Mapping of existing Information Systems

Current Nutrition Environment in Kenya

The Government of Kenya has made a commitment to improve food security and nutrition as articulated in the constitution and envisioned in the national development plans. Vision 2030 is a national long-term development blueprint aimed to create a globally competitive and prosperous nation with a high quality of life by 2030, that aims to transform Kenya into a newly industrializing, middle-income country providing a high quality of life to all its citizens by 2030 in a clean and secure environment.

Although nutrition is not included as a national concern in Vision 2030, however, the underlying policies and sector plans clearly identify with nutrition issues. One example being 'The 2nd Medium Term Plan (MTP2, 2013-2017)' that recognized the importance of addressing nutrition concerns in the arid and semi-arid lands (ASAL). In line with this, the National Nutrition Action Plan (NNAP-II, 2012-2017) had set out 11 High Impact Nutrition Interventions (HINI) to be achieved by the end of the plan period. This included a significant reduction in the prevalence of stunting, reduction in iron deficiency among children, and reduction of anemia among children under five, among others.

Although Kenya has been successful in bringing down prevalence of stunting between 2005-2014 (with an average annual rate of reduction of nearly 5%), concerted efforts need to be made in order to completely rule out malnutrition's repercussions on households, communities and the socioeconomic development of the country at large. Hence, Vision 2030 seems like a major mission that Kenya would likely focus on for meeting its country nutritional goals in the future.

## Current situation of Nutrition-related data management in Kenya

Kenya has large amount of data of relevance to nutrition that is generated by periodic national household surveys, routine monitoring systems and subject-specific research. However, optimal sharing and coordinating the use of generated information to allow integrated food and nutrition analysis for improved planning and programming has not been accomplished. Most of the data and information generated are held by individual organizations generally for programming purposes, and the degree of integration or sharing with others is often not maximized.

Advances in data and information systems and the growing availability of new technologies have started to facilitate access to data and information, and to this end, open data sharing platforms and dashboards are beginning to get set up by various government institutions (such as KeNADA and DHIS2).

Presented next is a brief overview of the existing IT systems (that might be of relevance to nutrition-related data), the associated technical details and the information (indicators) captured by these systems (wherever accessible).

Ministry of Health Nutrition Platform

➔ **Description of the IT system:** Health Ministry of Health (MoH) with support from UNICEF is establishing a nutrition platform of summary statistics obtained from national surveys such as Kenya Demographic and Health Surveys (KDHS), Multiple Indicator Cluster Surveys (MICS), routine District Health Information System (DHIS2), WASH programme, a Mid Upper Arm Circumference (MUAC) Surveillance System, Standardized Monitoring and Assessment of Relief and Transitions (SMART) surveys and County Integrated Development Plans. The platform has been uploaded to the MoH website.

➔ **Technical Details:** The website can be found here: http://nutritionhealth.or.ke/country-main/nutrition-reports-on-maps/ *StatPlanet* software has been used to create a graphical interface of an interactive map of all counties in Kenya to present data in charts and tables. Its development is still underway.
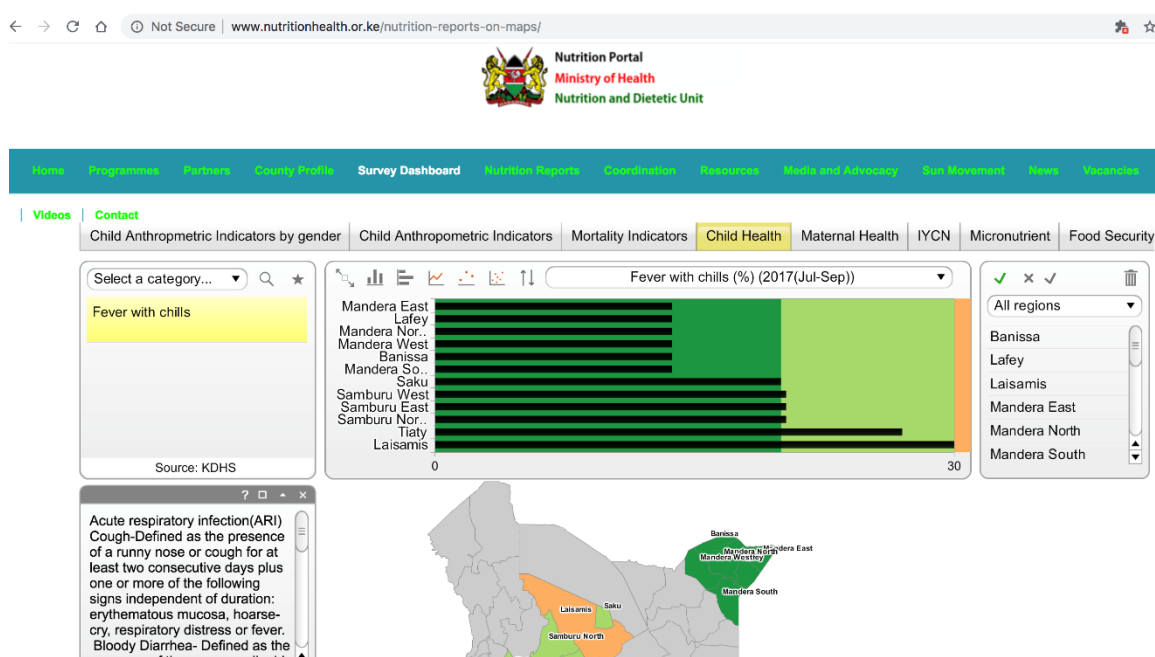
➔ **Indicators:** This dashboard presents data for indicators covered under 'Child Anthropmetric Indicators by gender, Child Anthropometric Indicators, Mortality Indicators, Child Health, Maternal Health, IYCN, Micronutrient, Food Security, WASH and Population by sub-county' groups. As for the 17 SUN MEAL Indicators, two indicators (Vit A coverage, Deworming %) belonging to List 3, one indicator (access to basic sanitation services) belonging to List 5, two others (Stunting and Low birthrate prevalence) belonging to List 7 and one (under-5 mortality rate) belonging to List 8 are seemingly presented on this dashboard.

KenInfo – Kenya Socio-Economic Database

➔ **Description of the IT system:** KenInfo is a database platform developed by the Ministry of Devolution and Planning (earlier known as Ministry of Planning and National Development), the KNBS and UNICEF, and was operationalized in January 2004. Following the launch of DevInfo 7, (the platform for customizing KenInfo database), the KNBS shared the database with DevInfo in 2013 to facilitate sharing of data. KenInfo was last updated in November 2013.

➔ **Technical Details:** KenInfo can be used to present summary data as tables, graphs and maps at national and county level. The IT system can be found here: http://www.devinfo.org/keninfo/
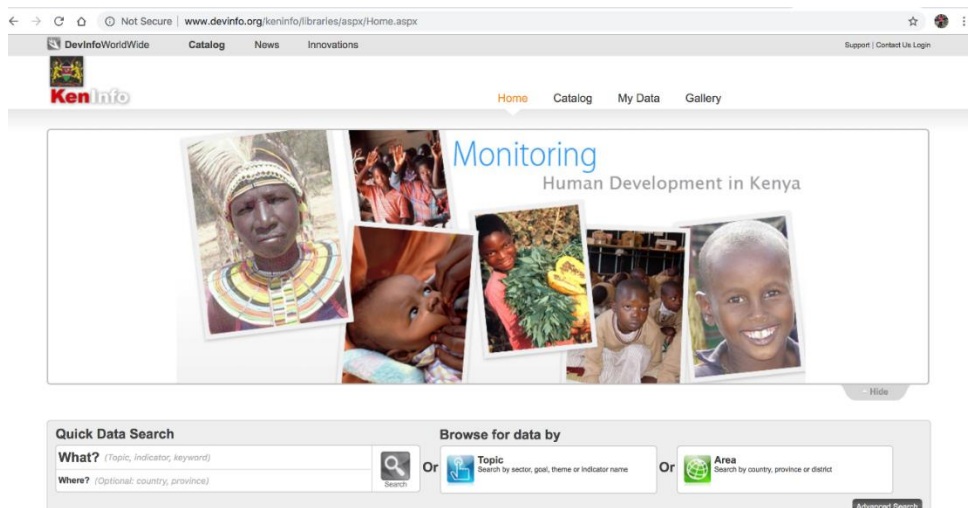
The platform also hosts a county database, **EmbuInfo** for Embu county and sub-county level data. EmbuInfo was last updated in April 2013. The link for EmbuInfo can be found here http:/www.devinfo.org/embuinfo/libraries/aspx/Home.aspx

➔ **Indicators:** KenInfo has 206 indicators (nutrition included) grouped in sectors and 158 data sources, while EmbuInfo has 61 indicators as part of it. As for the 17 SUN MEAL Indicators, one indicator (DTP3 coverage) belonging to List 3, two indicators (female secondary school enrolment, Access to basic sanitation facilities) belonging to List 5, one (Low birthrate prevalence) belonging to List 7 and two others (Proportion of populaton below international poverty line and under-5 mortality rate) belonging to List 8 are seemingly presented on this database.

Kenya National Data Archive (KeNADA)

➔ **Description of the IT system:** The KeNADA portal provides datasets of surveys of individual respondents and households collected by KNBS (includes censuses, integrated budget household surveys and surveys on HIV and malaria).

➔ **Technical Details:** This software provides methods to organize, store and display data and reports in a uniform way to facilitate data sharing at the country level across the world. KeNADA provides tools to users to facilitate further analysis and interpretation of the primary data. The primary data from the surveys are available on request and could provide data for multi-sectoral analysis to better understand factors associated with poor nutritional status. URL for KeNADA: http://statistics.knbs.or.ke/nada/index.php/home/

➜ **Indicators:** The weblink for KeNADA was not reflective of a list of indicators that are presented on this data archive platform, these are therefore currently unknown.

Kenya Open Data Platform

➜ **Description of the system:** This is an online platform under the Information and Communication Technology (ICT) Authority of Kenya to make available development, demographic and statistical data to researchers, policy makers and the general public.

➜ **Technical Details:** Information in the platform is intended to include: agriculture, health and social data, economy and finance, education, environment, and water and sanitation, some of which are yet to be populated. A total of 48 Government institutions and 34 county governments are supposed to be contributing data to the portal. URL: http://www.opendata.go.ke/
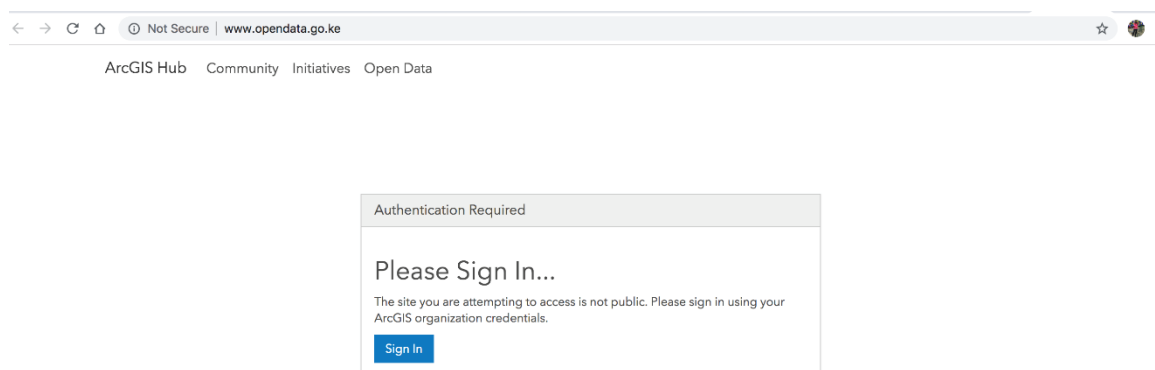

➜ **Indicators:** Although meant to be accessible to the general public, the available weblink for this IT system (as seen above) was redirected to a webpage showing restricted access. Therefore, the indicators that get captured through this platform are currently unknown.

Integrated Management Information System (IMIS)

➜ **Description of the IT system:** The IMIS (funded by United Nations Population Fund, UNFPA Ethiopia), is an open web-based platform focusing on population issues. It is a collection of several statistical databases using data from population censuses and household surveys.

➜ **Technical Details:** The IMIS operates on REDATAM (REtrieval of DATa for small Areas by Microcomputer), an interactive computer system for data processing, analysis and web dissemination of outputs at national and county levels. IMIS is under development and capacity building is currently being conducted for counties to use the system.

➜ **Indicators:** On account of the unavailability of a functional weblink for IMIS, http://www.knbs.go.ke (the IP address is not working apparently) indicators captured by IMIS is unknown.

Kenya health information system (HIS, DHIS-2 based)

➔ **Description of the IT system:** The Ministry of Health (MoH) provides routine nutrition data collected at facility level using KHIS, the DHIS2 platform hosted on the website http://hiskenya.org.

➔ **Technical Details:** The HMIS represents aggregated data rolled out on a national level and is hosted on cloud. Data has restricted access and is accessible to MoH and selected partners only (Health Management Information Systems Department, Afya House, Nairobi). Data on KHIS gets updated on a monthly basis.
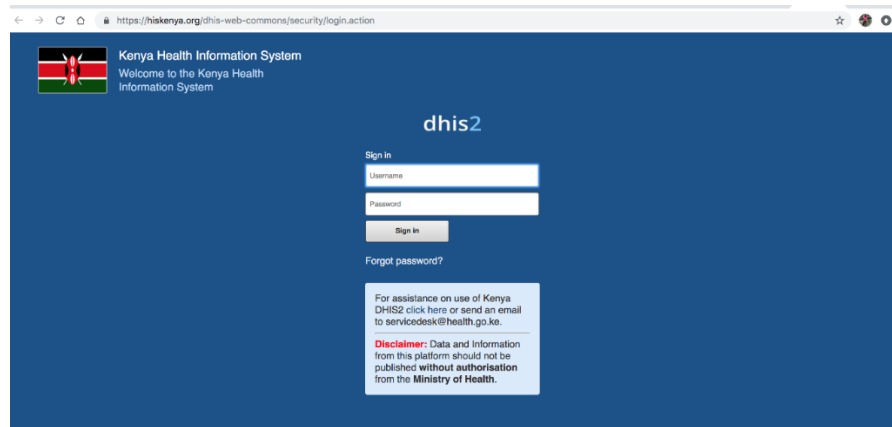
➔ **Indicators:** As KHIS has restricted access (as seen above), a detailed list of the indicators being captured by KHIS is unavailable.

Open County Dashboard

➔ **Description of the IT system:** The Open County portal has been developed for the Council of Governors by the Open Institute with support from the World Bank's Kenya Accountable Devolution Program and funding from Danida, DFID, EU, Finland, Sida, and USAID. The dashboard aims at strengthening the county government's efforts to be transparent and accountable to their citizens by publishing county level data on development.

➔ **Technical Details:** The IT system can be found here http://kenya.opencounty.org
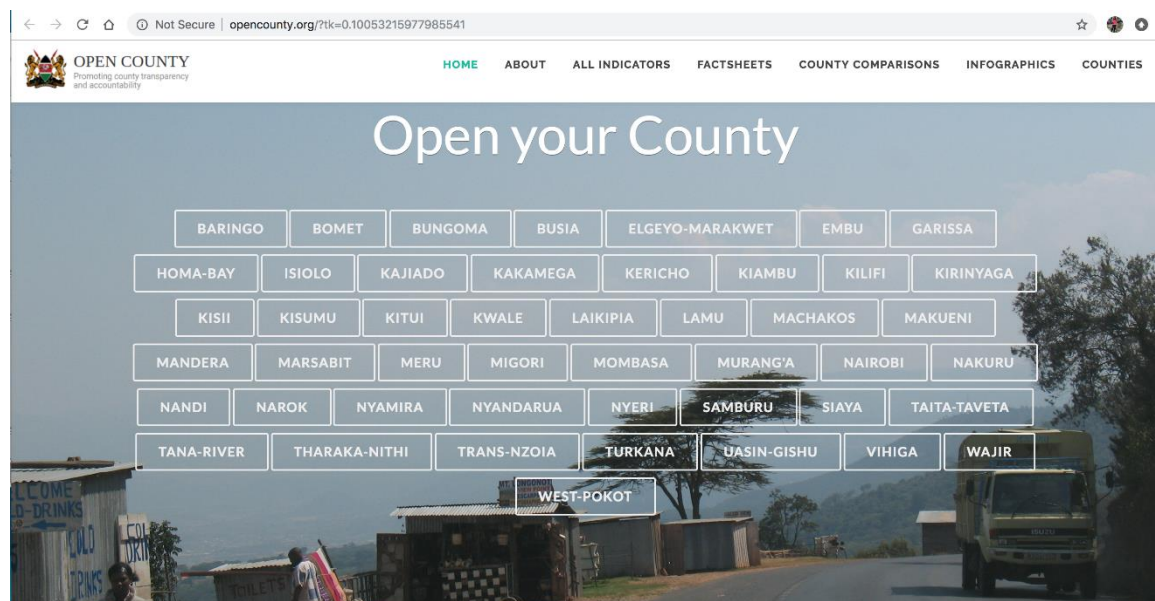
➔ **Indicators:** Summary statistics on agriculture, rural development, health, security, education, energy, science and technology, and budget indicators are presented comparing counties on this portal. A detailed list of indicators captured by this dashboard can be found here, http://opencounty.org/indicators.php?com=16

Kenya County Health Fact Sheets Dashboard

➔ **Description of the IT system:** The Kenya County Health Fact Sheets dashboard was created by the Health Policy Project (HPP), which has now ended and is continuing under a new USAID's five year project Health Policy Plus (HP+ Project), in collaboration with Kenya's Ministry of Health.

➔ **Technical Details:** The dashboard is open access and provides summary statistics displayed on maps and graphics for selected health indicators for all 47 counties. It further gives comparisons of the indicators with national estimates. The weblink of this dashboard can be found here https://healthpolicyproject.com/index.cfm?id=kenyaCHFS

➔ **Indicators:** A detailed list of the indicators for which summary statistics are displayed is unavailable.

Kenya NCD Info Portal

➔ **Description of the IT system:** Kenya NCD-info is a knowledge-sharing platform for Non-Communicable Diseases (NCD) in Kenya. The aim of Kenya NCD-Info is to create a one-stop portal for all information related to NCD in Kenya. Kenya NCD-info was developed by the African Population and Health Research Center (APHRC) a regional research institution headquartered in Nairobi, with funding from the AMC Foundation through the Amsterdam Institute for Global Health and Development.

➔ **Technical Details:** The dashboard generates summary national and county data on NCDs by selecting variables such as gender, location, year against indicators such as prevalence, incidence, mortality, morbidity, awareness, treatment, control, and disability adjusted life year. URL for the portal can be found here: http://ncdinfo-kenya.org/knowledge-portal/data
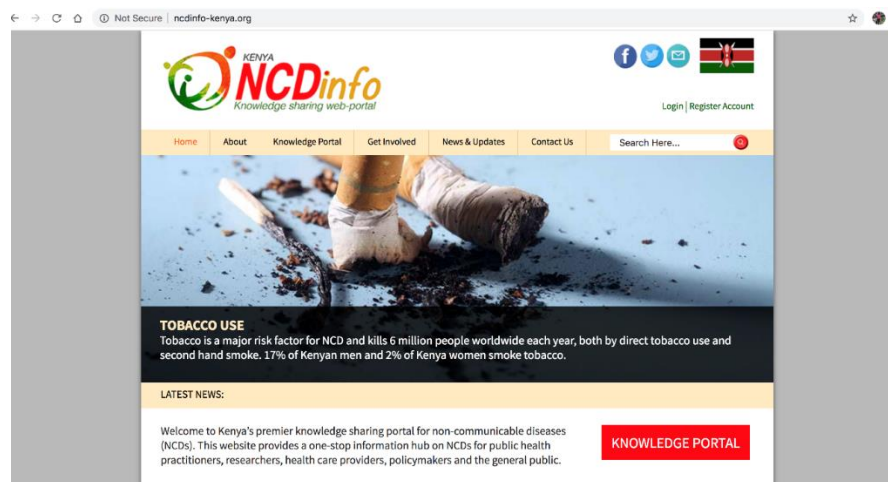
➔ **Indicators:** None out of the key 17 NiPN indicators are captured on this IT system. A list of indicators captured by this portal can be found here http://ncdinfo-kenya.org/knowledge-portal/data

MajiData Dashboard

➔ **Description of the IT system:** MajiData, the database of the Kenyan Water Sector, contains updated annual data for decision-making processes and reporting including information on water supply and sanitation services for WSPs and counties performance, map and data presentation and projects in urban low income areas. The Dashboard provides water and sanitation data covering all informal settlements (slums) in Kenya and summary information at national and county levels.

➔ **Technical Details:** Data will get annually updated. URL for the dashboard can be found here http://www.majidata.go.ke/
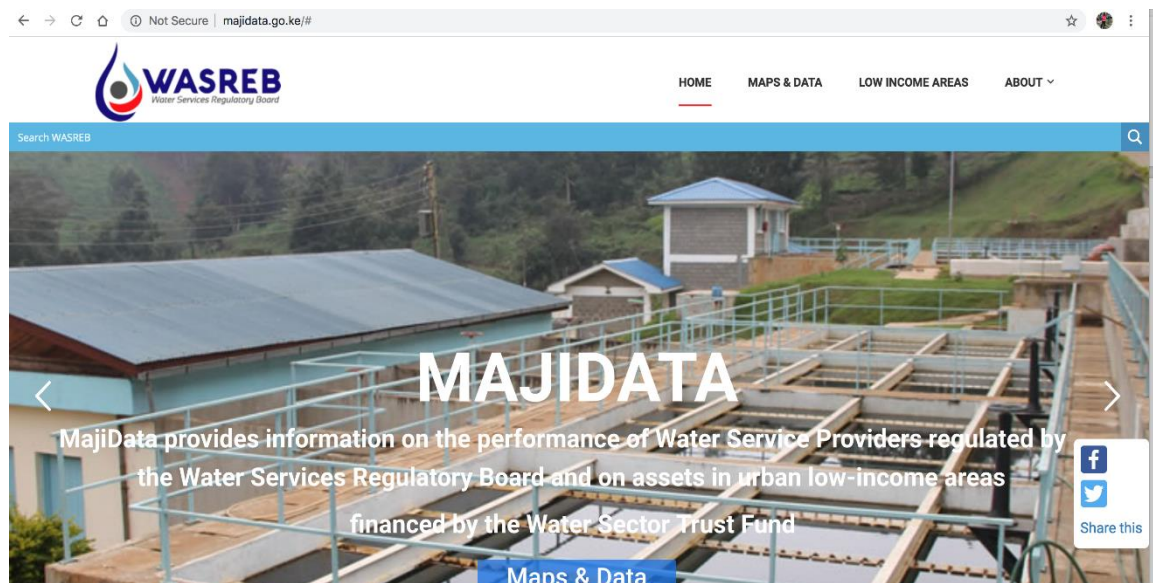

➔ **Indicators:** None out of the key 17 NiPN indicators are captured on this IT system. A list of indicators captured by this portal can be found here http://majidata.go.ke/maps-data/

Kenya Early Warning System

➔ **Description of the system:** The National Drought Management Authority (NDMA) under the Ministry of Devolution and Planning is responsible for collecting data in arid and semi-arid lands (ASAL). The Authority operates an early warning /surveillance system that monitors drought in 23 ASAL counties.

➔ **Technical Details:** The NDMA uses a software called REWAS to enter the data online in each county which is then uploaded to the national level. A weblink is unavailable.

➔ **Indicators:** Data are collected by field monitors at household level in sentinel sites based on livelihood zones and reported by sentinel site, ward, sub-county and the county(ies). The nutrition surveys conducted in the Early Warning System are the main source of data for the Ministry of Health Nutrition Platform (presented on Page 9). Surveys are conducted twice annually, after the short and long rains and the 'mid upper arm circumference (MUAC) of children aged 6 to 59 months' is the only anthropometric measurement made. Due to the unavailability of an associated weblink for Kenya EWS, a precise list of indicators covered by this system is currently unknown.

Famine Early Warning Systems Network (FEWS NET)

➔ **Description of the system:** The Famine Early Warning Systems Network is a leading provider of early warning and analysis on food insecurity. It is created and maintained by USAID and partners to help decision-makers plan for humanitarian crises, FEWS NET provides evidence-based analysis on close to 34 countries including Kenya. This system collects information from multiple sources for early warning. Data sources are relevant to food security and nutrition; and data from FEWS NET is used for Kenya Early Warning System as well.

➔ **Technical Details:** The FEWS NET represents aggregated data rolled out on a national level and is hosted on out of country premises. Data from multiple sources is used to first estimate future food security outcomes to next predict an early warning on food security situation. FEWS NET can be found here: http://fews.net/east-africa/kenya
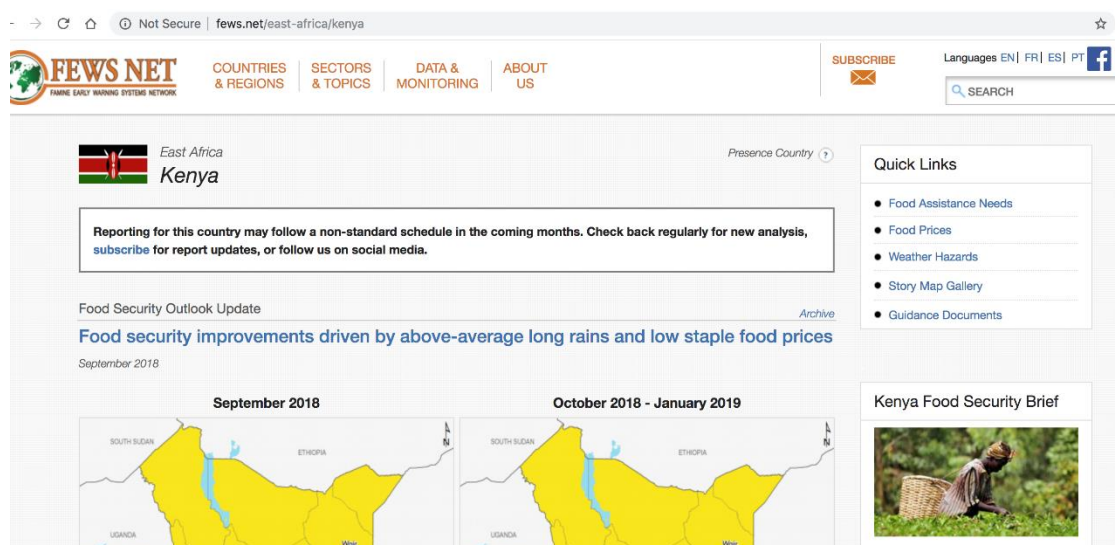
➔ **Indicators:** None of the core 17 NIPN indicators are captured on FEWS NET. The weblink for FEWS NET was not indicative of a list of indicators that is explicitly considered by this system to make food security projections/ predict warning situations. These are therefore currently unknown.

STATcompiler

➔ **Description of the IT system:** STATcompiler is a DHS Program that allows users to make custom tables based on thousands of demographic and health indicators across many countries (90 to be precise), of which Kenyaa is one. It allows for customization of tables to view indicators by background characteristics, over time, and across countries.

➔ **Technical Details:** STATcompiler (https://www.statcompiler.com/en/) represents aggregated DHS (survey) data rolled out on a national level and is hosted on outside country premises. The system is a brainchild of USAID and is being maintained by the same. Data access seems to be of open access.

➔ **Indicators:** 10 out of the 17 core NIPN indicators are reported on STATompiler. These belong to the SUN MEAL indicator Lists 5, 6, 7 and 8. A consolidated list of the indicators that are being captured by STATcompiler can be found here https://www.statcompiler.com/en/.
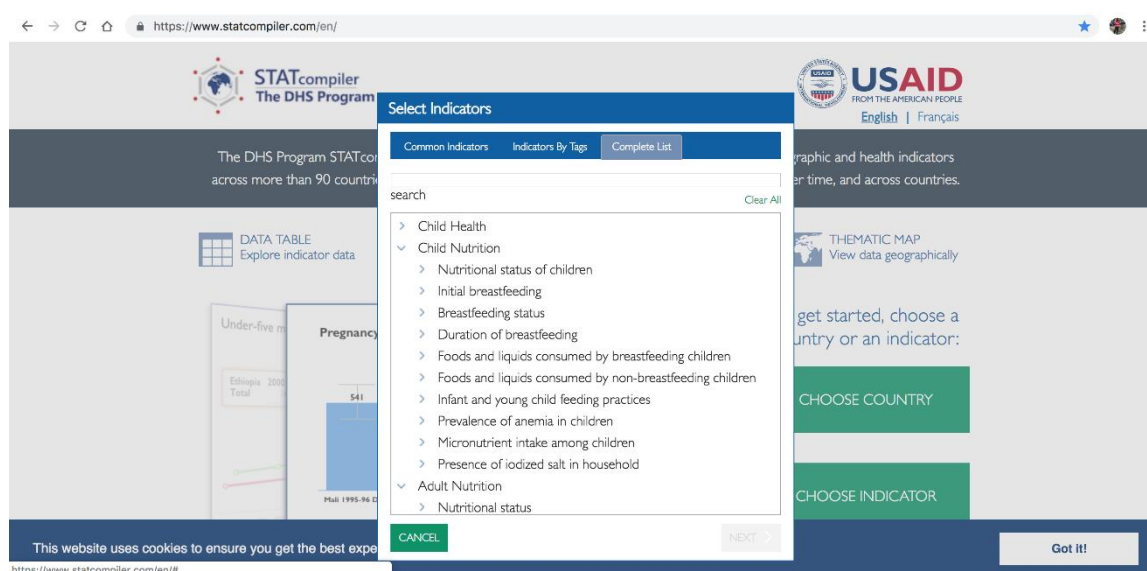
Kenya Threshold 21 (Kenya T21)

➔ **Description of the IT system:** Kenya Threshold 21 is an integrated software planning tool to inform policies towards development of sustainable agriculture. Kenya T21 is useful in policy analysis to help understand the impact of different policies on stakeholders and to model simulations that provide evidence for decision making. A weblink is unavailable.

➔ **Technical Details:** It uses a software called Vensim to simulate the impact of social, economic and environmental interventions at national level.

➔ **Indicators:** The model has society, economy and environment spheres with a nutrition component falling under the health sector in the society sphere. The indicators in the society sphere include: total population, total births, total deaths, basic health care, fertility, life expectancy, adult literacy, primary enrolment, human development index and performance towards the Millennium Development Goals. Although nutrition is used to represent a measurable output in the health sector, nutrition data has not been included in the model, hence simulations have not been done. A complete list of indicators is unavailable.

Kenya CountrySTAT Database

➔ **Description of the IT system:** The Kenya CountrySTAT is an online database developed by the Food and Agriculture Organization (FAO) of the United Nations in collaboration with the Ministry of Agriculture, Livestock and Fisheries (MoALF) to build the national capacity to disseminate internationally comparable official statistics on food and agriculture to make this data available to users in a timely manner with metadata to support its reliability.

➔ **Technical Details:** CountrySTAT includes datasets from the following domains: Production, Food availability, Trade, Machinery, Population, Prices, Value added, Land use, Employment, Water, Livestock, National account, Fishery and Forestry. Summary Statistics are mostly presented at the national level. Data has restricted access.

➔ **Indicators:** As CountrySTAT has restricted access (as seen below), a detailed list of the indicators being captured by this data portal is unavailable. The IT system can be found here http://www.countrystat.org/home.aspx?c=KEN

Table 1. Summarised overview of existing IT systems

SYSTEM NAME	Scale of rolling out	Data last updated	Individual/Aggregated	Hosted at?	Data Access	Which Ministry/Dept developed it?	Current Status	Indicator coverage (17 SUN MEAL ones)
MoH Dashboard	National	Unknown	Aggregated	Unknown	Likely open access	MoH	Implemented, under development	6
KenInfo (DevInfo based)	National	Nov 2013	Aggregated	Unknown	Open access	Ministry of Devolution and Planning	Implemented	6
KeNADA	National	Unknown	Aggregated	Unknown	Limited	KNBS	Implemented	Unknown
Kenya Open Data Portal	National	Unknown	Aggregated	Unknown	Limited	ICT Authority of Kenya	Implemented	Unknown
IMIS (REDATAM based)	County	n/a	n/a	n/a	n/a	KNBS	Under development	n/a
KHIS (DHIS2 based)	National	Monthly	Aggregated	Cloud	Limited	MoH	Implemented	At least 3
Open County Dashboard	County	Unknown	Aggregated	Outside country premises	Open access	Open Institute, USA	Implemented	Unknown
County Health Factsheet Dashboard	County	July 2015	Aggregated	Outside country premises	Open access	HP+ Project with support of MoH	Implemented	Unknown
Kenya NCD Info Portal	National, County	Unknown	Aggregated	Unknown	Likely open	APHRC with support of AMC	Implemented	None
MajiData Dashboard	National, County	Annually	Aggregated	Unknown	Likely open	MWI, WSTF with support from UN	Implemented	None
Kenya EWS (REWAS based)	National, County	n/a	Aggregated	n/a	n/a	NDMA	Implemented	None
FEWS NET	National	n/a	Aggregated	n/a	n/a	USAID and partners	Implemented	None
STATcompiler	National	2014 (upto the last DHS)	Aggregated	Outside country premises	Unknown	USAID	Implemented	10
Kenya T21	National	Unknown	Aggregated	Unknown	Unknown	Ministry of Devolution and Planning	Unknown	None
CountrySTAT Database	National	Unknown	Aggregated	Unknown	Limited	FAO with support of MoALF	Implemented	Unknown

Section III: Indicator Mapping

The GSF identified an arbitrary list of 17 indicators selected from 6 domains of the SUN MEAL system. The list numbers of these indicators have been kept consistent with that of the numbering used for the SUN meal system found here (https://scalingupnutrition.org/?s=MEAL) to avoid any nomenclature related confusion. The objective of this list is ONLY to get a flavor of the multi-sectoral data environment in Kenya. This report identifies, for each indicator, the institutions responsible for collecting, controlling for quality, analyzing and reporting on those indicators. Data gaps are also highlighted.

Finance for Nutrition

Whether the exact below mentioned indicators are being captured in the present system in Kenya is unknown in the current scheme of things, however another closely associated one '% of Health budget allocated to nutrition at national level' gets captured and represented on the Capacity Database.

Finance for Nutrition	COLLECTION	QUALITY	ANALYSIS	REPORTING
1. Budget spending per child U5 for nutrition-specific interventions	Unknown	Unknown	Unknown	Unknown
2. Budget spending per child U5 for nutrition-sensitive interventions	Unknown	Unknown	Unknown	Unknown

➔ **Gap(s):** There seems to be limited capacity from the country's end required for extracting/ mapping the above indicator-specific information from the existing system.

Intervention and Food Supply

Data for indicator 1 is collected and represented on the CHIS (Community Health Information System database). Indicator 2 is collected annually via Coverage surveys and that for Indicator 3 is collected by the routine system and stored on DHIS2. Data for indicators 2 and 3 gets reported on the MoH nutrition platform. Data for indicator 4 gets reported on KenInfo.

Intervention and Food Supply		COLLECTION	QUALITY	ANALYSIS	REPORTING
	1. Proportion of children 6–59 months with severe acute malnutrition (SAM) admitted for treatment, 2012	MoH	MoH	MoH	MoH
	2. Vitamin A supplementation coverage, 2 doses (%), 2015	MoH	MoH	MoH	MoH
	3. Proportion of children 6-59 months who received deworming, %	MoH	MoH	MoH	MoH
	4. Immunization coverage DTP3 (%), 2016	KNBS, MoH	KNBS, MoH	KNBS, MoH	KNBS, MoH

MoH: Ministry of Health, KNBS: Kenya National Bureau of Statistics

→ **Gap(s):** The level and frequency of data collection (except for indicator 2) and reporting is unknown due to the limited availability of relevant information.

SDG Drivers of Nutrition

Data for Indicator 1 gets collected monthly and gets reported on DHIS2. Data for indicator 2 is reported on the MoH nutrition dashboard. Data for indicator 3 gets reported on KenInfo. Data for all three indicators also gets reported on STATcompiler as captured by KDHS every 5 years.
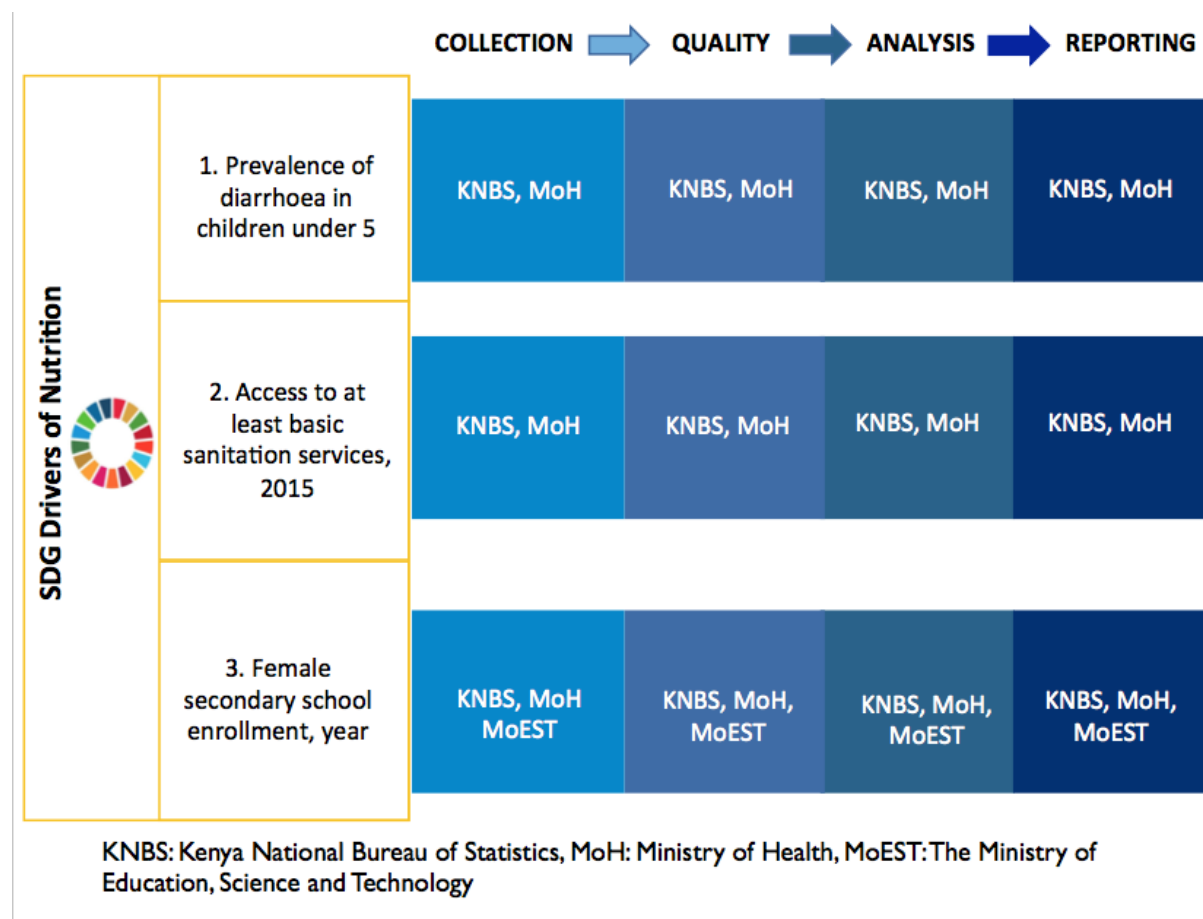
		COLLECTION	QUALITY	ANALYSIS	REPORTING
SDG Drivers of Nutrition	1. Prevalence of diarrhoea in children under 5	KNBS, MoH	KNBS, MoH	KNBS, MoH	KNBS, MoH
	2. Access to at least basic sanitation services, 2015	KNBS, MoH	KNBS, MoH	KNBS, MoH	KNBS, MoH
	3. Female secondary school enrollment, year	KNBS, MoH MoEST	KNBS, MoH, MoEST	KNBS, MoH, MoEST	KNBS, MoH, MoEST

KNBS: Kenya National Bureau of Statistics, MoH: Ministry of Health, MoEST: The Ministry of Education, Science and Technology

➔ **Gap(s):** The level of data collection for all indicators and frequency of reporting for indicators 2 and 3 on the MoH nutrition Dashboard/ KenInfo is unknown due to limited availability of relevant information.

Infant and Young Child Feeding Practices and Dietary Intakes

Data for both the below mentioned indicators are collected via MIYCN KAP surveys/ KDHS/ MICS and are represented on a dashboard (the explicit dashboard details are unknown though). Data for both indicators also gets reported on STATcompiler as captured by KDHS every 5 years.

Infant and Young Child Feeding Practices and Dietary Intakes	COLLECTION	QUALITY	ANALYSIS	REPORTING
1. Exclusive Breastfeeding (EBF) of infants <6 months(%)	KNBS, MoH	KNBS, MoH	KNBS, MoH	KNBS, MoH
2. Proportion of children aged 6 to 23 months receiving a Minimum Acceptable Diet (MAD), %	KNBS, MoH	KNBS, MoH	KNBS, MoH	KNBS, MoH

KNBS: Kenya National Bureau of Statistics, MoH: Ministry of Health
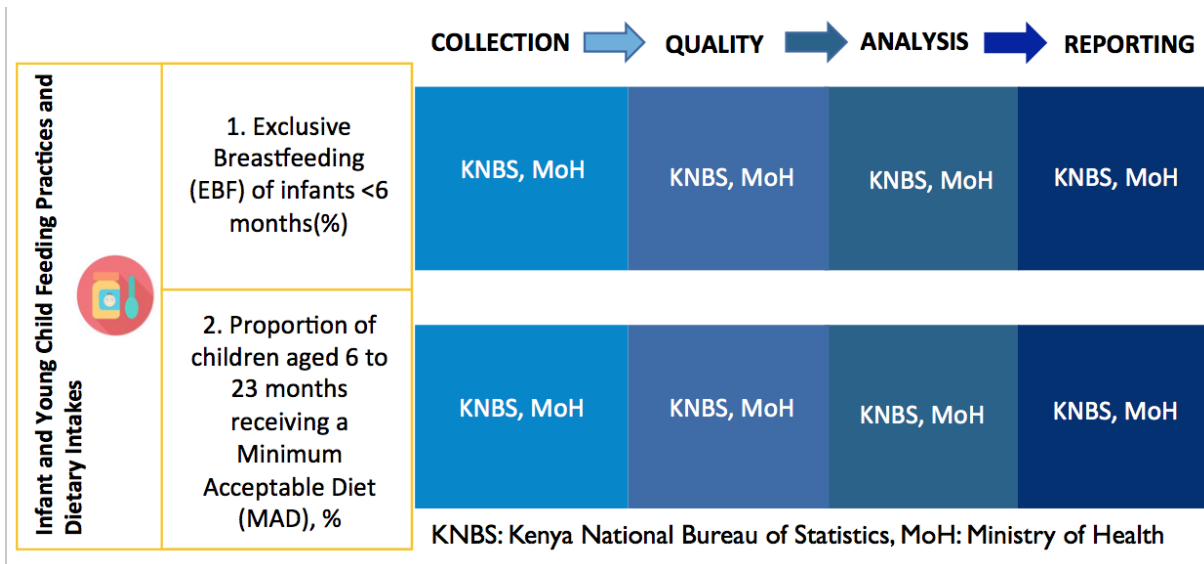
→ **Gap(s):** The level and frequency of data collection for both indicators and the dashboard on which these get represented is unknown due to limited availability of relevant information.

Nutrition Status

Data for all below mentioned indicators are collected and reported every 5 years by KDHS and reported on STATcompiler. Data for indicators 1 and 2 also gets reported on the MoH nutrition platform. Indicator 2 also gets represented on KenInfo. Data for indicator 4 gets captured monthly via the routine system and gets reported on DHIS2.

Nutrition Status	COLLECTION →	QUALITY →	ANALYSIS →	REPORTING
1. Under-5 stunting prevalence, most recent (%)	KNBS, MoH	KNBS, MoH	KNBS, MoH	KNBS, MoH
2. Low birthweight prevalence	KNBS, MoH	KNBS, MoH	KNBS, MoH	KNBS, MoH
3. Under-5 wasting prevalence, most recent	KNBS, MoH	KNBS, MoH	KNBS, MoH	KNBS, MoH
4. Anaemia prevalence (haemoglobin <120 g/L) in non-pregnant women (NPW), 2016 estimate	KNBS, MoH	KNBS, MoH	KNBS, MoH	KNBS, MoH

KNBS: Kenya National Bureau of Statistics, MoH: Ministry of Health

➔ **Gap(s): The** level and frequency of data collection and reporting for indicators 1, 2 and 3 is unknown due to limited availability of relevant information.

SDG goals that are linked to better nutrition

Data for indicators 1 and 2 gets reported on KenInfo. Data for Indicator 2 also gets reported on the MoH nutrition dashboard.

		COLLECTION →	QUALITY →	ANALYSIS →	REPORTING
Sustainable Development Goals that are linked to better nutrition	1. Proportion of population below international poverty line	KNBS	KNBS	KNBS	KNBS
	2. Under-5 mortality rate (Deaths per 1,000 live births), 2016	KNBS, MoH	KNBS, MoH	KNBS, MoH	KNBS, MoH

KNBS: Kenya National Bureau of Statistics, MoH: Ministry of Health
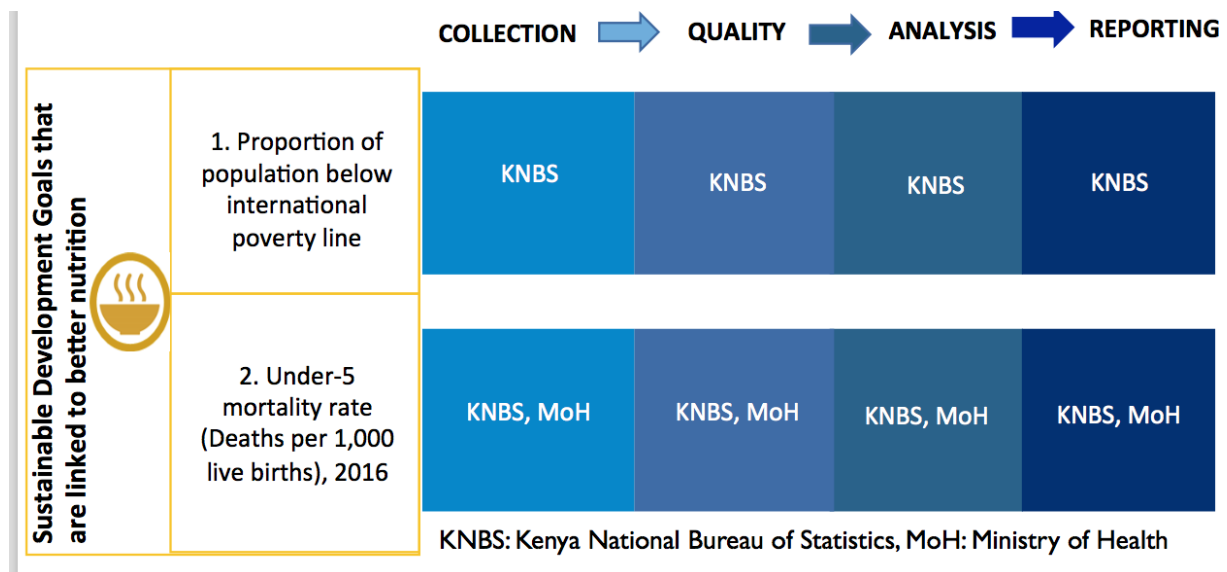
➔ **Gap(s): The** level and frequency of data collection and reporting for both indicators is not known due to the lack of availability of relevant information.

Section IV: Mapping of the main Stakeholders identified

Kenya National Bureau of Statistics (KNBS)

➔ **Description of the Department/Ministry:** The Kenya National Bureau of Statistics is a semiautonomous government agency under the Ministry of Devolution and Planning (MoDP). The Bureau is the principal government agency in Kenya responsible for collecting, analyzing and disseminating statistical data; maintaining a comprehensive and reliable national socio-economic data base; and establishing standards and methods in the production and dissemination of statistical information across the national statistical systems.

➔ **Data Team:** Yes, as KNBS hosts multiple data portals (KenInfo, KeNADA, etc) that provide online databases and offline sources.

Kenya Institute for Public Policy, Research and Analysis (KIPPRA)

➔ **Description of the Department/Ministry:** KIPPRA is an autonomous public institution mandated to collect, analyze and disseminate research findings and advise the government on public policy. In the context of the NIPFN initiative in Kenya, KIPPRA is directed to set up and host the NIPFN policy unit, in order to facilitate the work of the NIPFN policy advisory committee through undertaking policy research analysis and dissemination of NIPFN findings to policy makers and programme planners.

➔ **Data Team:** Yes as it is mandated to collect and analyze relevant data on public policy issues and disseminate the Institute's research findings. In the context of NIPFN, the Executive Director of KIPPRA would be heading the NIPFN Policy unit to facilitate advanced analysis of data generated by the analysis unit in KNBS. A public health policy analyst (staff from KIPPRA) and another senior policy officer (on contract with KIPPRA) would be supporting this activity.

The National Treasury

➔ **Description of the Department/Ministry:** The National Treasury is mandated to promote economic transformation for shared growth through formulation, implementation and monitoring of prudent economic and financial policies at National and County levels of Government. It is responsible for overall policy management, formulation of government budget and public procurement among others. In the context of the NIPFN initiative in Kenya, the Treasury will, in consultation with the delegation of the EU in Kenya, provide the framework for managing the project resources consistent with national development priorities.

➔ **Data Team:** Likely yes as the treasury is in charge of maintaining IFMIS (Integrated Financial Management Information System) which is one of the ways the automation of Public Financial Management processes is ensured in Kenya by the treasury.

Ministry of Health (MoH)

➜ **Description of the Department/Ministry:** Its role in the scope of the NIPFN initiative is to implement the nutrition policy and specifically nutrition-specific programmes across the country. The MoH is expected to play a major role in the NIPFN, by co-chairing the NIPFN policy advisory committee (as the SUN Government Focal Point) and is also expected to be involved in formulating questions, interpreting findings and disseminating relevant information. MoH will also act as a member of the Project Management Committee (PMC) which is specifically created keeping in mind the NIPFN project.

➜ **Data Team:** Yes, as MoH looks after keeping KHIS up and running. There's also a dedicated nutrition unit at MoH that hosts a separate nutrition platform (MoH Nutrition Platform) to present summary nutrition-related data.

Summary

This report presents the findings for Kenya of a study commissioned by the Global Support Facility of the National Information Platforms for Nutrition (NIPN) initiative; to assess the design, processes and practices related to data handling and usage from existing nutrition-related information management systems.

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