Nigeria

Federal Ministry of Health(FMH), Fedral Government of Nigeria (FGN)

Service Availability Mapping-2006-2007

Study Documentation

October 19, 2009

Metadata Production

Metadata Producer(s)	Federal Ministry of Health (FMH) , Fedral Government of Nigeria (FGN) , Data Producer
Production Date	October 19, 2009
Version	Version 1.1(October, 2009)
Identification	DDI-NGA-FMH-SAM-2008-v1.1

This document was generated using the **IHSN Microdata Management Toolkit**

Table of Contents

Nigeria (2006-2007)
Service Availability Mapping-2006-2007 (SAM Service Availability Mapping)
No translation

Overview	
Type	Service Availability Mapping
Identification	NGA-FMH-SAM-2007-v1.1
Version	Production Date: 2009-10-19 Version 1.1 (October, 2009) <u>Notes</u> V 1.0 was original release in 2008 V 1.1 Further documentation adding litreal questions to the labels (October, 2009)
Series	Service Availabilty Mapping is the first round of SAM survey in Nigeria. It is a health facility survey, designed by World Health Organization (WHO) to monitor the situation of health facilities. It has already been conducted in many African countries.

<u>Abstract</u>
Service Availability Mapping (SAM) is a tool to collect and present basic information on health services: health infrastructure, human resources and services offered. Its main application is at the sub-national or Local Government level, where LGA health management teams can use the results of the SAM in conjunction with WHO's HealthMapper application, developed by the Public Health Mapping and GIS programme, to map and monitor health services. SAM is made up of a survey methodology, remote field data collection devices, and WHO's HealthMapper application

Kind of Data	Clinical data [cli]
Unit of Analysis	Facility

Scope & Coverage

Scope
The SAM is designed to support decision making by providing health planners at all levels with the skills and tools to routinely map services and resource availability. Designed as a LGA owned systems, SAM can be implemented as stand alone system or integrated into the routine health information system as a supervisory tool. As a monitoring tool, SAM is recommended every six months to one year. The frequency of implementation may be adjusted to suit program needs when utilized as a periodic evaluation tool.

The Facility SAM covers availability of the health equipment, staffing, drugs and commodities, and the services offered.
The District SAM covers data are on health infrastructure, human resources, and services available in the district.

Section 1: General characteristics
Section 2: General purpose equipment
Section 3: Injection and sterilization equipment
Section 4: Human resources
Section 5: Trained staff
Section 6: Drugs and commodities
Section 7: Lab tests
Section 8: Information on interventions available in the facility

Topics	childbearing, family planning and abortion [8.2], general health [8.4], health care and medical treatment [8.5], specific diseases and medical conditions [8.9]

Geographic Coverage
State

Universe
Private non-profit facilities offering MCH, reproductive health or HIV/AIDS services
Public facilities offering MCH, reproductive health or HIV/AIDS services

Producers & Sponsors

Primary Investigator(s)	Federal Ministry of Health(FMH), Fedral Government of Nigeria (FGN)
Other Producer(s)	World Health Organization (WHO) , United Nations , Technical assistance in survey design, data collection, data processing and Data analysis.
Funding Agency/ies	Federal Minisstry of Health (FMH) , Funding World Health Organization (WHO) , Funding
Other Acknowledgment(s)	National Bureau of Statistics (NBS) , Metadata documentation , Fedral Government of Nigeria (FGN)

Sampling

Sampling Procedure
Six States (0ne from each of the six Geo-political zones in the country) and the Federal Capital Territory, Abuja were selected for the survey. The States covered are Kaduna (North West), Yobe (North East), Kwara (North Central), Lagos (South West), Ebonyi (South East) and Bayelsa (South South). Also Nassarawa was used for pilot is also includede.

All listed facilities in the selected states were covered	
Deviations from Sample Design No deviation	
Response Rate 100% of targeted health facilities responded in the state covered.	

Data Collection	
Data Collection Dates	90 days: start 2006 90 days: end 2007
Data Collection Mode	Face-to-face [f2f]

Data Collection Notes

The pre-test took place from Jan - April 2006 in Nasarawa State. Training on data collection instruments (i.e. Questionnaire, Global Positioning System (GPS) and palm pilot) at the LGA level were conducted between June - August 2006. Sufficient number of of data collectors were trained.

The interview was conducted English Language. It took average of 30 minutes to complete a questionnaire.

Questionnaires

Facility Questionnaire Overview :

Section 1: General characteristics, including infrastructure part of this questionnaire focuses on basis characteristics of the facility including the number of outpatients, inpatients and maternity beds available. It also asks about the availability of specific resources such as water, telephones and radios.

Section 2: General purpose equipment section explores the availability of specific health-related resources.

Section 3: Injection and sterilization equipment section asks about the main types of injection equipment used in this facility

Section 4: Human resources section of the qustionnaire ask about the human resources available in the facility

Section 5: Trained staff section asks about the number of staff in the facility that have received training in a number of specific interventions.

Section 6: Drugs and commodities section of the questionnaire asks about the availability of specific drugs and commodities in the facilities. These are yes or no questions.

Section 7: Lab tests section asks about the availability of epecific laboratory tests in the facility. We are interested in knowing what normal procedure is for laboratory tests.

Section 8: Information on interventions available in the facility is that final section of the questionnaire that asks for information about some of the health interventions that may be offered in this facility

The respondents of this questionnaire are the facility directors and their teams.

The questionnaire was developed in English.

Data Collector(s)	Federal Ministry of Health (FMH) , Fedral Government of Nigeria (FGN)

	State Ministries of Health (SMH) , Fedral Government of Nigeria (FGN) Local Government Authorities (LGA) , Fedral Government of Nigeria (FGN) World Health Organization (WHO) , United Nations

Supervision
WHO staff
National Health Management Information System (NHMIS) Officers
State Health Management Information System (SHMIS) Officers.

Data Processing & Appraisal

Data Editing
Data editing was done to remove multiple data records and to clean outliers.

Estimates of Sampling Error
No estimate for sampling error

Accessibility

Access Authority	The Director of Health Planning, Research & Statistics (Federal Ministry of Health) , info@fmhng.org
Contact(s)	Dr M. Lecky (Head of dept. health planning and research and statistic) , mlecky@hotmail.com Dr A. Oyemakinde (Head of National health management infomation system) , gekeloluwa@yahoo.com Mr A. Balogun (Head of Information and Comnucation Technology Branch) , akandebalogun@yahoo.com Head, National Health Management Information System (Federal Ministry of Health) , info@fmhng.org

Confidentiality
Ensure compliance with international and national confidentiality standards.

Access Conditions
In many countries, the SAM data which allow the users to identify a particular facility, for example, the Geographic Coordinates of health facilities as well as the name of the facilities, are not open to public. State the national policy here.

Rights & Disclaimer

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Files Description

Dataset contains 9 file(s)

Identification	
# Cases	5078
# Variable(s)	5
File Structure	Type: relational Key(s): V6 (Sam_id)
File Content Health Facilities Identification Variables	
Producer National Health Management Information System and Technology Division, Federal Ministry of Health, Abuja	
Version Version 1.1(October, 2009)	
Processing Checks Checking of all invalids codes were corrected.	
Missing Data All missing data were * asterisk.	

General characteristics	
# Cases	5078
# Variable(s)	24
File Structure	Type: relational Key(s): V6 (Sam_id)
File Content Health Facilities General characteristics Variables	
Producer National Health Management Information System and Technology Division, Federal Ministry of Health, Abuja	
Version Version 1.1(October, 2009)	
Processing Checks Checking of all invalids codes were corrected.	
Missing Data And sysmiss missing were * asterisk.	

General purpose equipment	
# Cases	5078

# Variable(s)	22
File Structure	Type: relational Key(s): V6 (Sam_id)

File Content
Health Facilities General purpose equipment Variables

Producer
National Health Management Information System and Technology Division, Federal Ministry of Health, Abuja

Version
Version 1.1(October, 2009)

Processing Checks
Checking of all invalids codes were corrected.

Missing Data
All missing data were * asterisk.

Injection and sterilization equipment	
# Cases	5078
# Variable(s)	5
File Structure	Type: relational Key(s): V6 (Sam_id)

File Content
Health Facilities Injection and sterilization equipment Variables

Producer
National Health Management Information System and Technology Division, Federal Ministry of Health, Abuja

Version
Version 1.1(October, 2009)

Processing Checks
Checking of all invalids codes were corrected.

Missing Data
All missing data were * asterisk.

Human resources	
# Cases	5078
# Variable(s)	32
File Structure	Type: relational Key(s): V6 (Sam_id)

File Content
Health Facilities Human resources Variables

Producer

National Health Management Information System and Technology Division, Federal Ministry of Health, Abuja
Version Version 1.1(October, 2009)
Processing Checks Checking of all invalids codes were corrected.
Missing Data All missing data were * asterisk.

Trained staff	
# Cases	5078
# Variable(s)	16
File Structure	Type: relational Key(s): V6 (Sam_id)
File Content Health Facilities Trained staff Variables	
Producer National Health Management Information System and Technology Division, Federal Ministry of Health, Abuja	
Version Version 1.1(October, 2009)	
Processing Checks Checking of all invalids codes were corrected.	
Missing Data All missing data were * asterisk.	

Drugs and commodities	
# Cases	5078
# Variable(s)	18
File Structure	Type: relational Key(s): V6 (Sam_id)
File Content Health Facilities Drugs and commodities Variables	
Producer National Health Management Information System and Technology Division, Federal Ministry of Health, Abuja	
Version Version 1.1(October, 2009)	
Processing Checks Checking of all invalids codes were corrected.	
Missing Data	

All missing data were * asterisk.

Lab tests

# Cases	5078
# Variable(s)	7
File Structure	Type: relational Key(s): V6 (Sam_id)

<u>File Content</u>
The information on Health Facilities Lab tests

<u>Producer</u>
National Health Management Information System and Technology Division, Federal Ministry of Health, Abuja

<u>Version</u>
Version 1.1(October, 2009)

<u>Processing Checks</u>
Checking of all invalids codes were corrected.

<u>Missing Data</u>
All missing data were * asterisk.

Information on interventions available in the facility

# Cases	5078
# Variable(s)	26
File Structure	Type: relational Key(s): V6 (Sam_id)

<u>File Content</u>
Information on interventions available in the facility

<u>Producer</u>
National Health Management Information System and Technology Division, Federal Ministry of Health, Abuja

<u>Version</u>
Version 1.1(October, 2009)

<u>Processing Checks</u>
Checking of all invalids codes were corrected.

<u>Missing Data</u>
And sysmiss missing were * asterisk.

Variables List

Dataset contains 155 variable(s)

File Identification

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V6	Sam_id	continuous	numeric-4.0	5078	0	SAM_ID
2	V7	Lga name	discrete	character-18	5078	0	LGA NAME
3	V8	Location of facility	discrete	character-6	5078	0	LOCATION OF FACILITY
4	V9	Ownership	discrete	numeric-1.0	5078	0	OWNERSHIP
5	V10	Facility type	discrete	numeric-1.0	5078	0	FACILITY TYPE

File General characteristics

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V6	Sam_id	continuous	numeric-4.0	5078	0	sam id
2	V26	Volume of outpatient	continuous	numeric-4.0	5011	67	How many out-patients were seen in this facility during the previous month?
3	V27	Beds total	continuous	numeric-3.0	5052	26	Total number of functional and non-functional beds
4	V28	Functional inpatients beds	discrete	numeric-1.0	4973	105	Does this facility have in-patient beds (excluding delivery baby cots)? Yes 1 ENTER THE NUMBER OF BEDS: No 2
5	V29	Number inpatient beds	continuous	numeric-3.0	3420	1658	How many in-patient beds are available in this facility
6	V30	Number maternity beds	continuous	numeric-3.0	4989	89	Of the functional beds how many are maternity beds?
7	V31	Number delivery couches	continuous	numeric-3.0	5027	51	How many delivery couches are there in the facility?
8	V32	Inpatients admissions	continuous	numeric-3.0	4986	92	How many in-patients were admitted in this facility during the previous month?
9	V33	Water sources	discrete	numeric-1.0	5024	54	What is the main source of water in this facility? Piped water 1 Water from open well 2 Water from covered well or borehole 3 Surface water 4 Rain water harvesting 5 Tanker truck 6
10	V34	Basic telephone	discrete	numeric-1.0	4974	104	Does this facility have functioning land line telephone? Yes .... 1 No 2
11	V35	Cellular phone	discrete	numeric-1.0	5050	28	Does this facility have functioning icellular telephone (either private or supported by the facility)? Yes .... 1 No 2
12	V36	Functioning shortwave	discrete	numeric-1.0	5054	24	Does this facility have functioning

File General characteristics (cont.)

#	Name	Label	Type	Format	Valid	Invalid	Question
		radio					shorwave radio for radio calls? Yes .... 1 No 2
13	V37	Functional computer for staff	discrete	numeric-1.0	5054	24	Does this facility have functioning computer for staff use? Yes .... 1 No 2
14	V38	Internet services	discrete	numeric-1.0	677	4401	Does this facility have functioning internet services for staff use? Yes .... 1 No 2
15	V39	Guidelines for malaria	discrete	numeric-1.0	5043	35	Are Management of Malaria guidelines available in this facility?
16	V40	Guidelines for imci	discrete	numeric-1.0	5036	42	Are Integrated Management of Childhood Illness (IMCI) guidelines available in this facility?
17	V41	Guidelines for hiv/aids	discrete	numeric-1.0	5039	39	Are Treatment and care of people living with HIV/AIDS guidelines available in this facility?
18	V42	Hiv test guidelines	discrete	numeric-1.0	5036	42	Are HIV antibody testing and counselling guidelines available in this facility?
19	V43	Pmtct guidelines	discrete	numeric-1.0	5034	44	Are Prevention of Mother to Child Transmission (PMTCT)of HIV guidelines available in this facility?
20	V44	Tb/hiv guidelines	discrete	numeric-1.0	5025	53	Are Management of TB/HIV co-infection guidelines available in this facility?
21	V45	Imai guidelines	discrete	numeric-1.0	5031	47	Are Integrated management of adult illness (IMAI) guidelines available in this facility?
22	V46	Sti guidelines	discrete	numeric-1.0	5026	52	Are STI Diagnosis and treatment guidelines available in this facility?
23	V47	Family planning guidelines	discrete	numeric-1.0	5039	39	Are Family Planning guidelines available in this facility?
24	V48	Dots guidelines	discrete	numeric-1.0	5034	44	Are DOTS implementation guidelines available in this facility?

File General purpose equipment

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V6	Sam_id	continuous	numeric-4.0	5078	0	-
2	V24	Xray machine	discrete	numeric-1.0	933	4145	X-ray machine? Yes .... 1 No …………….2
3	V25	Oxygen system	discrete	numeric-1.0	934	4144	Oxygen system/cylinders? Yes .... 1 No …………….2
4	V26	Sterilization method	discrete	numeric-1.0	924	4154	Sterilization? a. Autoclave Yes ..... 1 No …………….2 b. Boiling Yes ..... 1 No …………….2 c. Chemical sterilization Yes ..... 1 No …………….2

File General purpose equipment (cont.)

#	Name	Label	Type	Format	Valid	Invalid	Question
5	V27	Iv-infusion kits	discrete	numeric-1.0	930	4148	Infusion kits for intravenous solution? Yes ..... 1 No …………….2
6	V28	Operating theatre	discrete	numeric-1.0	931	4147	Operating theatre? Yes ..... 1 No …………….2
7	V29	Anaesthetic machine	discrete	numeric-1.0	930	4148	Anaesthetic machine? Yes ..... 1 No …………….2
8	V30	Hemocytometer	discrete	numeric-1.0	928	4150	Hemocytometer (for total lymphocyte and full blood counts)? Yes ..... 1 No …………….2
9	V31	Cytoflowmeter	discrete	numeric-1.0	926	4152	Cytoflowmeter (for CD4 counts)? Yes ..... 1 No …………….2
10	V32	Hospital microscope	discrete	numeric-1.0	930	4148	Microscope? Yes ..... 1 No …………….2
11	V33	Hospital refrigerator	discrete	numeric-1.0	930	4148	Refrigerator? Yes ..... 1 No …………….2
12	V34	Hospital slides	discrete	numeric-1.0	931	4147	Slides? Yes ..... 1 No …………….2
13	V35	Ambulance	discrete	numeric-1.0	931	4147	Ambulance or other emergency transport vehicle? Yes ..... 1 No …………….2
14	V36	Blood pressure machine	discrete	numeric-1.0	4170	908	Blood pressure machine? Yes ..... 1 No …………….2
15	V37	Stethoscope(s)	discrete	numeric-1.0	4171	907	Stethoscope(s)? Yes ..... 1 No …………….2
16	V38	Microscope	discrete	numeric-1.0	4165	913	Microscope? Yes ..... 1 No …………….2
17	V39	Slides	discrete	numeric-1.0	4154	924	Slides? Yes ..... 1 No …………….2
18	V40	Adults weighing scale	discrete	numeric-1.0	4165	913	Weighing scale for adults? Yes ..... 1 No …………….2
19	V41	Underfive weighing scale	discrete	numeric-1.0	4165	913	Weighing equipment (i.e. Salter scale or similar hanging scale) for under-five-year-olds? Yes ..... 1 No …………….2
20	V42	Oral thermometer	discrete	numeric-1.0	4168	910	Clinical thermometer? Yes ..... 1 No …………….2
21	V43	Gloves in stock	discrete	numeric-1.0	4165	913	latex gloves in stock? Yes ..... 1 No …………….2
22	V44	Refrigerator	discrete	numeric-1.0	4161	917	Refrigerator? Yes ..... 1 No …………….2S

File Injection and sterilization equipment

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V6	Sam_id	continuous	numeric-4.0	5078	0	Sam id
2	V7	Main type of injection	discrete	numeric-1.0	5003	75	Please indicate which of the following is the most commonly used type of needles and syringes for

File Injection and sterilization equipment (cont.)

#	Name	Label	Type	Format	Valid	Invalid	Question
							general health services (apart from immunization activities) in this facility: Disposable …………1 Re-usable .... 2 Auto-destruct. 3
3	V8	Sterilization methods	discrete	numeric-1.0	5047	31	Please indicate which of the following is the most commonly used method of sterilisation for general health services: Autoclave .... 1 Sterilizers .... 2 Pressure pots .... 3 Boiling pot. .... 4 Other .... 5 (please specify): None 6
4	V9	Other sterization methods	discrete	character-10	192	0	S
5	V10	Disinfectant available	discrete	numeric-1.0	4908	170	Is environmental disinfectant (i.e., bleach, Dettol, Izal, Hibitane, etc.) available in this facility? Yes……………1 No……………..2

File Human resources

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V6	Sam_id	continuous	numeric-4.0	5078	0	-
2	V34	Doctors on full-time	continuous	numeric-3.0	5017	61	How many medical doctors work full time at this facility?
3	V35	Doctors on part-time	continuous	numeric-3.0	4988	90	How many medical doctors work part time at this facility?
4	V36	Doctors present today	continuous	numeric-3.0	4994	84	How many medical doctors are present at this facility today?
5	V37	Midwives	continuous	numeric-3.0	4980	98	How many certified/registered midwives work at this facility?
6	V38	Midwives present today	continuous	numeric-3.0	4969	109	How many certified/registered midwives are present at this facility today?
7	V39	Nurses	continuous	numeric-3.0	4991	87	How many certified/registered nurses work at this facility?
8	V40	Nurses present today	continuous	numeric-3.0	4973	105	How many certified/registered nurses are present at this facility today?
9	V41	Nurse/midwives	continuous	numeric-3.0	4983	95	How many certified/registered nurse midwives work at this facility?
10	V42	Nurse/midwives present today	continuous	numeric-3.0	4987	91	How many certified/registered nurse midwives are present at this facility today?
11	V43	Nursing assistants	continuous	numeric-3.0	4994	84	How many auxiliary nurses/nurse assistants/nurse aides work at this facility?
12	V44	Nursing assts present	continuous	numeric-3.0	4986	92	How many auxiliary nurses/nurse

File Human resources (cont.)

#	Name	Label	Type	Format	Valid	Invalid	Question
		today					ssistants/nurse aides are present at this facility today?
13	V45	Lab scientists	continuous	numeric-3.0	4978	100	How many medical laboratory scientists/technologists work at this facility?
14	V46	Lab scientist present today	continuous	numeric-3.0	4972	106	How many medical laboratory cientists/ technologists are present at this facility today?
15	V47	Lab technicians	continuous	numeric-3.0	4981	97	How many medical laboratory technicians work at this facility?
16	V48	Lab technician present today	continuous	numeric-3.0	4980	98	How many medical laboratory technicians are present at this facility today?
17	V49	Laboratory assistants	continuous	numeric-3.0	4970	108	How many Medical laboratory assistants work at this facility?
18	V50	Lab assistant present today	continuous	numeric-3.0	4968	110	How many Medical laboratory assistants are present at this facility today?
19	V51	Pharmacists	continuous	numeric-3.0	4981	97	How many Pharmacists work at this facility?
20	V52	Pharmacists present today	continuous	numeric-3.0	4957	121	How many Pharmacists are present at this facility today?
21	V53	Pharmacy technician	continuous	numeric-3.0	4982	96	How many Pharmacy technicians work at this facility?
22	V54	Pharmacy technician present today	continuous	numeric-3.0	4978	100	How Pharmacy technicians are present at this facility today?
23	V55	Pharmacy assistants	continuous	numeric-3.0	4967	111	How many Pharmacy assistants work at this facility?
24	V56	Pharmacy assistants present today	continuous	numeric-3.0	4975	103	How Pharmacy assistants are present at this facility today?
25	V57	Hmis person	continuous	numeric-3.0	4971	107	How HMIS/M&E officers/records officers work at this facility?
26	V58	Hmis person present today	continuous	numeric-3.0	4965	113	How HMIS/M&E officers/records officers are present at this facility today?
27	V59	Records assistant	continuous	numeric-3.0	4974	104	How many Records assistants work at this facility?
28	V60	Records asst. Present today	continuous	numeric-3.0	4972	106	How Records assistants are present at this facility today?
29	V61	Health service mgr.	continuous	numeric-3.0	4974	104	How many health service managers work at this facility?
30	V62	Health service mgr present today	continuous	numeric-3.0	4965	113	How health service managers are present at this facility today?
31	V63	Community health officers	continuous	numeric-3.0	5009	69	How many Community health officers work at this facility?
32	V64	Community health officers present today	continuous	numeric-3.0	5010	68	How many Community health officers are present at this facility today?

File Trained staff

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V6	Sam_id	continuous	numeric-4.0	5078	0	-
2	V18	Imci	continuous	numeric-3.0	4968	110	Integrated management of childhood illness (IMCI)?
3	V19	Safe motherhood	continuous	numeric-3.0	4978	100	Maternal and child health?
4	V20	Life saving	continuous	numeric-3.0	4971	107	Life-saving skills?
5	V21	Asrh	continuous	numeric-3.0	4968	110	Adolescent sexual and reproductive health (ASRH)?
6	V22	Hivaids care	continuous	numeric-3.0	4959	119	HIV/AIDS opportunistic infection treatment and care?
7	V23	Hiv/aids counselling	continuous	numeric-3.0	4980	98	Counselling for HIV/AIDS?
8	V24	Pmtct train	continuous	numeric-3.0	4961	117	Prevention of mother to child transmission (PMTCT) of HIV?
9	V25	Family planning	continuous	numeric-3.0	4964	114	Family planning?
10	V26	Sti treatment	continuous	numeric-3.0	4956	122	STI diagnosis and treatment?
11	V27	Universal precautions	continuous	numeric-3.0	4963	115	Infection controll universal precautions for handling blood and other bodily fluids?
12	V28	Diagnosis/treatment of malaria	continuous	numeric-3.0	4970	108	Diagnosis and treatment of malaria?
13	V29	Drugs management	continuous	numeric-3.0	4956	122	Drug management?
14	V30	Hmis	continuous	numeric-3.0	4952	126	HMIS training?
15	V31	Health services mgt.	continuous	numeric-3.0	-	-	Health services management?
16	V32	Dots implementation	continuous	numeric-3.0	4956	122	DOTS implementation?

File Drugs and commodities

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V6	Sam_id	continuous	numeric-4.0	5078	0	-
2	V20	Injectable antibiotics	discrete	numeric-1.0	5020	58	Injectable antibiotics? Yes……………1 No……………..2
3	V21	Oral antibiotics	discrete	numeric-1.0	5034	44	Oral antibiotics? Yes……………1 No……………..2
4	V22	Oral contraceptive pills	discrete	numeric-1.0	5025	53	Oral contraceptive pills? Yes……………1 No……………..2
5	V23	Iucd	discrete	numeric-1.0	5042	36	Intra uterine contraceptive device (IUCD)?
6	V24	Injectable contraceptive	discrete	numeric-1.0	5042	36	Injectable contraceptives? Yes……………1 No……………..2
7	V25	Condoms	discrete	numeric-1.0	5047	31	Condoms? Yes……………1 No……………..2
8	V26	Iron	discrete	numeric-1.0	5039	39	Iron (e.g. ferrous sulphate)? Yes……………1 No……………..2

File Drugs and commodities (cont.)

#	Name	Label	Type	Format	Valid	Invalid	Question
9	V27	Vitamin a capsules	discrete	numeric-1.0	5037	41	Vitamin A capsules? Yes……………1 No……………..2
10	V28	Measles vaccine	discrete	numeric-1.0	5043	35	Measles vaccine? Yes……………1 No……………..2
11	V29	First line antimalaria	discrete	numeric-1.0	5044	34	First-line anti-malarial drugs (ACT)? Yes……………1 No……………..2
12	V30	Second line antimalaria	discrete	numeric-1.0	5030	48	Second-line anti-malarial drugs (Fansidar, Metakelfin)? Yes……………1 No……………..2
13	V31	Anti hypertensive	discrete	numeric-1.0	5048	30	Antihypertensive drugs? Yes……………1 No……………..2
14	V32	Magnesium sulphate	discrete	numeric-1.0	5043	35	Magnesium Sulphate for eclampsia treatment? Yes……………1 No……………..2
15	V33	Ergometrine	discrete	numeric-1.0	5042	36	Ergometrine for post-partum hemorrhage? Yes……………1 No……………..2
16	V34	Oral rehydration salts	discrete	numeric-1.0	5040	38	Oral rehydration salts (ORS)? Yes……………1 No……………..2
17	V35	Antiretroviral drugs	discrete	numeric-1.0	5041	37	Antiretroviral drugs for treatment of HIV? Yes……………1 No……………..2
18	V36	Safe sex brochures	discrete	numeric-1.0	5040	38	Brochures, posters, or other materials on safer sex practices*? Yes……………1 No……………..2

File Lab tests

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V6	Sam_id	continuous	numeric-4.0	5078	0	-
2	V9	Hiv test	discrete	numeric-1.0	5042	36	HIV antibody test? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3
3	V10	Hemoglobin	discrete	numeric-1.0	5040	38	Haemoglobin? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3
4	V11	Blood count	discrete	numeric-1.0	5036	42	Blood count? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3
5	V12	Blood glucose	discrete	numeric-1.0	5039	39	Blood glucose level? The test can be

File Lab tests (cont.)

#	Name	Label	Type	Format	Valid	Invalid	Question
							done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3
6	V13	Giemsa stain for malaria	discrete	numeric-1.0	5024	54	Giemsa stain for malaria? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3
7	V14	Rpr for syphillis	discrete	numeric-1.0	5027	51	RPR or VDRL for syphilis? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3

File Information on interventions available in the facility

#	Name	Label	Type	Format	Valid	Invalid	Question
1	V6	Sam_id	continuous	numeric-4.0	5078	0	-
2	V28	New clients	continuous	numeric-3.0	1815	3263	How many HIV antibody testing and counselling clients did the facility see in the previous month?
3	V29	Counseling	continuous	numeric-3.0	1807	3271	Is HIV antibody testing and counselling available in this facility? How many HIV antibody testing and counselling clients returned for their results in the previous month
4	V30	Provides antenatal services	discrete	numeric-1.0	4898	180	Are antenatal services provided in this facility?
5	V31	Number antenatal	continuous	numeric-3.0	3289	1789	How many antenatal clients were seen in the previous month?
6	V32	Hiv counselling	discrete	numeric-1.0	3510	1568	Is HIV counselling provided to pregnant women?
7	V33	Hiv testing	discrete	numeric-1.0	3498	1580	Is HIV testing provided to pregnant women?
8	V34	Provide nevirapine	discrete	numeric-1.0	3502	1576	Is nevirapine or AZT provided to prevent mother to child transmission of HIV?
9	V35	Patients recvd nevirapine	continuous	numeric-4.0	210	4868	How many patients received nevirapine or AZT in the previous month?
10	V36	Provide arvs	discrete	numeric-1.0	4923	155	Is ARV therapy offered at this facility?
11	V37	Enrolment for arv prog	continuous	numeric-4.0	393	4685	How namy patients are currently enrolled in the ARV program?
12	V38	Arv under 15	continuous	numeric-3.0	127	4951	Of the total number of patients

File Information on interventions available in the facility (cont.)

#	Name	Label	Type	Format	Valid	Invalid	Question
							provided in question 810, how many of them are chilren under 15 years of age
13	V39	Arv women 15 or over	continuous	numeric-3.0	126	4952	Of the total number of patients provided in question 810, how many of them are women over 15 years of age
14	V40	Arv men 15 or over	continuous	numeric-3.0	125	4953	Of the total number of patients provided in question 810, how many of them are men over 15 years of age?
15	V41	Arv pateints spicked drugs	continuous	numeric-4.0	128	4950	How many patients picked up their ARV drugs in the previous month?
16	V42	Sti diagnosis & treatment	discrete	numeric-1.0	4933	145	Does the facility provide STI diagnosis and treatment?
17	V43	Sti patients	continuous	numeric-4.0	2276	2802	How many patients were seen for STI diagnosis and treatment in the previous month?
18	V44	Register of susp tb cases	discrete	numeric-1.0	4910	168	Is register of suspected TB cases kept at this facility?
19	V45	Use of smear	discrete	numeric-1.0	5026	52	Is smear microscope available in this facility?
20	V46	Provide tb treatment	discrete	numeric-1.0	5026	52	Is TB treatment available in this facility?
21	V47	Direct observation	discrete	numeric-1.0	5028	50	Is direct observation of short course chemotheraphy for TB provided in this facility or in the surrounding community?
22	V48	Hiv testing for tb	discrete	numeric-1.0	5021	57	Is HIV antibody testing available in this facility for all TB patients (suspected or confirmed)?
23	V49	Child immunization	discrete	numeric-1.0	5029	49	Does this facility offer child immunization services?
24	V50	Children immunized	continuous	numeric-3.0	2844	2234	How many children were immunizaed in the previous month?
25	V51	Prevention outreach	discrete	numeric-1.0	4941	137	Does the facility conduct any prevention outreach in the community?
26	V52	Sexual & reproductive health	discrete	numeric-1.0	4946	132	Are there any sexual and reproductive health services provided inthis facility tailored specifically to adolescents and young people?

Variables Description

Dataset contains155 variable(s)

File Identification

#1 V6: Sam_id	
Information	[Type= continuous] [Format=numeric] [Range= 1-6199] [Missing=*]
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]
Literal question	SAM_ID

#2 V7: Lga name	
Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]
Literal question	LGA NAME
Interviewer's instructions	Select name of LGA from drop down
Frequency table not shown (120 Modalities)	

#3 V8: Location of facility		
Information	[Type= discrete] [Format=character] [Missing=*]	
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]	
Literal question	LOCATION OF FACILITY	

Value	Label	Cases	Percentage
Rural	Rural	3076	60.6%
Urban	Urban	2002	39.4%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#4 V9: Ownership		
Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]	
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]	
Literal question	OWNERSHIP	

Value	Label	Cases	Percentage
1	Public	2914	57.4%
2	Private non profit	166	3.3%
3	Private for profit	1998	39.3%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#5 V10: Facility type	
Information	[Type= discrete] [Format=numeric] [Range= 3-6] [Missing=*]

File Identification (cont.)

#5 V10: Facility type (cont.)

Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]
Literal question	FACILITY TYPE

Value	Label	Cases	Percentage
3	Tertiary	55	1.1%
5	Secondary	860	16.9%
6	Primary	4163	82.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File General characteristics

#1 V6: Sam_id

Information	[Type= continuous] [Format=numeric] [Range= 1-6199] [Missing=*]
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]
Literal question	sam id

#2 V26: Volume of outpatient

Information	[Type= continuous] [Format=numeric] [Range= 0-45280] [Missing=*]
Statistics [NW/ W]	[Valid=5011 /-] [Invalid=67 /-] [Mean=199.361 /-] [StdDev=1201.991 /-]
Pre-question	We are interested in knowing how many patients and beds are available in this facility. We would also like to ask about the types of beds available.
Literal question	How many out-patients were seen in this facility during the previous month?

#3 V27: Beds total

Information	[Type= continuous] [Format=numeric] [Range= 0-9000] [Missing=*]
Statistics [NW/ W]	[Valid=5052 /-] [Invalid=26 /-] [Mean=11.244 /-] [StdDev=132.395 /-]
Pre-question	We are interested in knowing how many patients and beds are available in this facility. We would also like to ask about the types of beds available.
Literal question	Total number of functional and non-functional beds

#4 V28: Functional inpatients beds

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4973 /-] [Invalid=105 /-]
Pre-question	We are interested in knowing how many patients and beds are available in this facility. We

File General characteristics (cont.)

#4 V28: Functional inpatients beds (cont.)

	would also like to ask about the types of beds available.
Literal question	Does this facility have in-patient beds (excluding delivery baby cots)? Yes 1 ENTER THE NUMBER OF BEDS: No 2
Interviewer's instructions	By in-patient beds we mean functional beds with mattresses in good condition (i.e., no springs breaking through). * These are cots for newborn babies awaiting discharge.

Value	Label	Cases	Percentage
1	Yes	3402	68.4%
2	No	1571	31.6%
Sysmiss		105	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#5 V29: Number inpatient beds

Information	[Type= continuous] [Format=numeric] [Range= 0-3000] [Missing=*]
Statistics [NW/ W]	[Valid=3420 /-] [Invalid=1658 /-] [Mean=12.561 /-] [StdDev=64.838 /-]
Pre-question	We are interested in knowing how many patients and beds are available in this facility. We would also like to ask about the types of beds available.
Literal question	How many in-patient beds are available in this facility

#6 V30: Number maternity beds

Information	[Type= continuous] [Format=numeric] [Range= 0-700] [Missing=*]
Statistics [NW/ W]	[Valid=4989 /-] [Invalid=89 /-] [Mean=2.085 /-] [StdDev=11.379 /-]
Pre-question	We are interested in knowing how many patients and beds are available in this facility. We would also like to ask about the types of beds available.
Literal question	Of the functional beds how many are maternity beds?
Interviewer's instructions	ENTER THE NUMBER OF delivery couches ENTER "0" if none

#7 V31: Number delivery couches

Information	[Type= continuous] [Format=numeric] [Range= 0-548] [Missing=*]
Statistics [NW/ W]	[Valid=5027 /-] [Invalid=51 /-] [Mean=1.077 /-] [StdDev=8.658 /-]
Pre-question	We are interested in knowing how many patients and beds are available in this facility. We would also like to ask about the types of beds available.
Literal question	How many delivery couches are there in the facility?

File General characteristics (cont.)

#8 V32: Inpatients admissions

Information	[Type= continuous] [Format=numeric] [Range= 0-8178] [Missing=*]
Statistics [NW/ W]	[Valid=4986 /-] [Invalid=92 /-] [Mean=19.998 /-] [StdDev=139.526 /-]
Pre-question	We are interested in knowing how many patients and beds are available in this facility. We would also like to ask about the types of beds available.
Literal question	How many in-patients were admitted in this facility during the previous month?

#9 V33: Water sources

Information	[Type= discrete] [Format=numeric] [Range= 1-7] [Missing=*/99]
Statistics [NW/ W]	[Valid=5024 /-] [Invalid=54 /-]
Pre-question	We are interested in knowing how many patients and beds are available in this facility. We would also like to ask about the types of beds available.
Literal question	What is the main source of water in this facility? Piped water 1 Water from open well 2 Water from covered well or borehole 3 Surface water 4 Rain water harvesting 5 Tanker truck 6
Interviewer's instructions	The following questions ask about general resources available in the facility

Value	Label	Cases	Percentage
1	Piped water	1108	22.1%
2	Open well	462	9.2%
3	Covered well or borehole	968	19.3%
4	Surface water	1886	37.5%
5	Rain water	490	9.8%
6	Tanker	110	2.2%
99	Missing	23	
Sysmiss		31	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#10 V34: Basic telephone

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4974 /-] [Invalid=104 /-]
Literal question	Does this facility have functioning land line telephone? Yes .... 1 No 2
Interviewer's instructions	The following questions ask about general resources available in the facility

Value	Label	Cases	Percentage
1	Yes	1010	20.3%

File General characteristics (cont.)

#10 V34: Basic telephone (cont.)

Value (cont.)	Label	Cases	Percentage
2	No	3964	79.7%
Sysmiss		104	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#11 V35: Cellular phone

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5050 /-] [Invalid=28 /-]
Literal question	Does this facility have functioning icellular telephone (either private or supported by the facility)? Yes .... 1 No 2
Interviewer's instructions	The following questions ask about general resources available in the facility

Value	Label	Cases	Percentage
1	Yes	2394	47.4%
2	No	2656	52.6%
Sysmiss		28	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#12 V36: Functioning shortwave radio

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5054 /-] [Invalid=24 /-]
Literal question	Does this facility have functioning shorwave radio for radio calls? Yes .... 1 No 2
Interviewer's instructions	The following questions ask about general resources available in the facility

Value	Label	Cases	Percentage
1	Yes	134	2.7%
2	No	4920	97.3%
Sysmiss		24	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#13 V37: Functional computer for staff

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5054 /-] [Invalid=24 /-]
Literal question	Does this facility have functioning computer for staff use? Yes .... 1 No 2
Interviewer's instructions	The following questions ask about general resources available in the facility

File General characteristics (cont.)

#13 V37: Functional computer for staff (cont.)

	Yes .... 1 No .... 2 SKIP TO 115		

Value	Label	Cases	Percentage
1	Yes	641	12.7%
2	No	4413	87.3%
Sysmiss		24	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#14 V38: Internet services

Information	[Type= discrete] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=677 /-] [Invalid=4401 /-]
Literal question	Does this facility have functioning internet services for staff use? Yes .... 1 No 2
Interviewer's instructions	The following questions ask about general resources available in the facility

Value	Label	Cases	Percentage
1	No	455	67.2%
2	Yes	222	32.8%
Sysmiss		4401	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#15 V39: Guidelines for malaria

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5043 /-] [Invalid=35 /-]
Pre-question	We would now like to ask you about guidelines available in this facility. Are guidelines for the following available here:
Literal question	Are Management of Malaria guidelines available in this facility?

Value	Label	Cases	Percentage
1	Yes	3509	69.6%
2	No	1534	30.4%
Sysmiss		35	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#16 V40: Guidelines for imci

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5036 /-] [Invalid=42 /-]
Pre-question	We would now like to ask you about guidelines available in this facility. Are guidelines for the following available

File General characteristics (cont.)

#16 V40: Guidelines for imci (cont.)

	here:
Literal question	Are Integrated Management of Childhood Illness (IMCI) guidelines available in this facility?

Value	Label	Cases	Percentage
1	Yes	2450	48.6%
2	No	2586	51.4%
Sysmiss		42	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#17 V41: Guidelines for hiv/aids

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5039 /-] [Invalid=39 /-]
Pre-question	We would now like to ask you about guidelines available in this facility. Are guidelines for the following available here:
Literal question	Are Treatment and care of people living with HIV/AIDS guidelines available in this facility?

Value	Label	Cases	Percentage
1	Yes	615	12.2%
2	No	4424	87.8%
Sysmiss		39	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#18 V42: Hiv test guidelines

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5036 /-] [Invalid=42 /-]
Pre-question	We would now like to ask you about guidelines available in this facility. Are guidelines for the following available here:
Literal question	Are HIV antibody testing and counselling guidelines available in this facility?

Value	Label	Cases	Percentage
1	Yes	799	15.9%
2	No	4237	84.1%
Sysmiss		42	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#19 V43: Pmtct guidelines

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5034 /-] [Invalid=44 /-]
Pre-question	We would now like to ask you about guidelines available in this facility. Are guidelines for the following available here:

File General characteristics (cont.)

#19 V43: Pmtct guidelines (cont.)

Literal question	Are Prevention of Mother to Child Transmission (PMTCT)of HIV guidelines available in this facility?

Value	Label	Cases	Percentage
1	Yes	755	15.0%
2	No	4279	85.0%
Sysmiss		44	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#20 V44: Tb/hiv guidelines

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5025 /-] [Invalid=53 /-]
Pre-question	We would now like to ask you about guidelines available in this facility. Are guidelines for the following available here:
Literal question	Are Management of TB/HIV co-infection guidelines available in this facility?

Value	Label	Cases	Percentage
1	Yes	661	13.2%
2	No	4364	86.8%
Sysmiss		53	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#21 V45: Imai guidelines

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5031 /-] [Invalid=47 /-]
Pre-question	We would now like to ask you about guidelines available in this facility. Are guidelines for the following available here:
Literal question	Are Integrated management of adult illness (IMAI) guidelines available in this facility?

Value	Label	Cases	Percentage
1	Yes	2034	40.4%
2	No	2997	59.6%
Sysmiss		47	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#22 V46: Sti guidelines

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5026 /-] [Invalid=52 /-]
Pre-question	We would now like to ask you about guidelines available in this facility. Are guidelines for the following available here:
Literal question	Are STI Diagnosis and treatment guidelines available in this facility?

File General characteristics (cont.)

#22 V46: Sti guidelines (cont.)

Value	Label	Cases	Percentage
1	Yes	2262	45.0%
2	No	2764	55.0%
Sysmiss		52	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#23 V47: Family planning guidelines

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5039 /-] [Invalid=39 /-]
Pre-question	We would now like to ask you about guidelines available in this facility. Are guidelines for the following available here:
Literal question	Are Family Planning guidelines available in this facility?

Value	Label	Cases	Percentage
1	Yes	2524	50.1%
2	No	2515	49.9%
Sysmiss		39	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#24 V48: Dots guidelines

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5034 /-] [Invalid=44 /-]
Pre-question	We would now like to ask you about guidelines available in this facility. Are guidelines for the following available here:
Literal question	Are DOTS implementation guidelines available in this facility?

Value	Label	Cases	Percentage
1	Yes	713	14.2%
2	No	4321	85.8%
Sysmiss		44	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File General purpose equipment

#1 V6: Sam_id

Information	[Type= continuous] [Format=numeric] [Range= 1-6199] [Missing=*]

File General purpose equipment (cont.)

#1 V6: Sam_id (cont.)

Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]

#2 V24: Xray machine

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=933 /-] [Invalid=4145 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	X-ray machine? Yes .... 1 No …………….2
Interviewer's instructions	We are interested in knowing if the following health-specific resources are available in this hospital. These are all yes/no questions.

Value	Label	Cases	Percentage
1	Yes	267	28.6%
2	No	666	71.4%
Sysmiss		4145	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#3 V25: Oxygen system

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=934 /-] [Invalid=4144 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Oxygen system/cylinders? Yes .... 1 No …………….2

Value	Label	Cases	Percentage
1	Yes	649	69.5%
2	No	285	30.5%
Sysmiss		4144	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#4 V26: Sterilization method

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=924 /-] [Invalid=4154 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Sterilization? a. Autoclave Yes ..... 1 No …………….2 b. Boiling Yes ..... 1 No …………….2 c. Chemical sterilization Yes ..... 1 No …………….2

File General purpose equipment (cont.)

#4 V26: Sterilization method (cont.)

Interviewer's instructions	(ask about each a, b, AND c):

Value	Label	Cases	Percentage
1	Yes	784	84.8%
2	No	140	15.2%
Sysmiss		4154	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#5 V27: Iv-infusion kits

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=930 /-] [Invalid=4148 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Infusion kits for intravenous solution? Yes ..... 1 No …………….2

Value	Label	Cases	Percentage
1	Yes	834	89.7%
2	No	96	10.3%
Sysmiss		4148	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#6 V28: Operating theatre

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=931 /-] [Invalid=4147 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Operating theatre? Yes ..... 1 No …………….2

Value	Label	Cases	Percentage
1	Yes	803	86.3%
2	No	128	13.7%
Sysmiss		4147	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#7 V29: Anaesthetic machine

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=930 /-] [Invalid=4148 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Anaesthetic machine? Yes ..... 1 No …………….2

File General purpose equipment (cont.)

#7 V29: Anaesthetic machine (cont.)

Value	Label	Cases	Percentage
1	Yes	424	45.6%
2	No	506	54.4%
Sysmiss		4148	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#8 V30: Hemocytometer

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=928 /-] [Invalid=4150 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Hemocytometer (for total lymphocyte and full blood counts)? Yes ..... 1 No …………….2

Value	Label	Cases	Percentage
1	Yes	487	52.5%
2	No	441	47.5%
Sysmiss		4150	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#9 V31: Cytoflowmeter

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=926 /-] [Invalid=4152 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Cytoflowmeter (for CD4 counts)? Yes ..... 1 No …………….2

Value	Label	Cases	Percentage
1	Yes	173	18.7%
2	No	753	81.3%
Sysmiss		4152	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#10 V32: Hospital microscope

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=930 /-] [Invalid=4148 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Microscope? Yes ..... 1 No …………….2

File General purpose equipment (cont.)

#10 V32: Hospital microscope (cont.)

Value	Label	Cases	Percentage	
1	Yes	669		71.9%
2	No	261		28.1%
Sysmiss		4148		

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#11 V33: Hospital refrigerator

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=930 /-] [Invalid=4148 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Refrigerator? Yes ..... 1 No …………….2

Value	Label	Cases	Percentage	
1	Yes	803		86.3%
2	No	127		13.7%
Sysmiss		4148		

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#12 V34: Hospital slides

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=931 /-] [Invalid=4147 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Slides? Yes ..... 1 No …………….2

Value	Label	Cases	Percentage	
1	Yes	675		72.5%
2	No	256		27.5%
Sysmiss		4147		

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#13 V35: Ambulance

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=931 /-] [Invalid=4147 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Ambulance or other emergency transport vehicle? Yes ..... 1 No …………….2

File General purpose equipment (cont.)

#13 V35: Ambulance (cont.)

Value	Label	Cases	Percentage
1	Yes	526	56.5%
2	No	405	43.5%
Sysmiss		4147	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#14 V36: Blood pressure machine

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4170 /-] [Invalid=908 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Blood pressure machine? Yes ..... 1 No ……………2

Value	Label	Cases	Percentage
1	No	1076	25.8%
2	Yes	3094	74.2%
Sysmiss		908	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#15 V37: Stethoscope(s)

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4171 /-] [Invalid=907 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Stethoscope(s)? Yes ..... 1 No ……………2

Value	Label	Cases	Percentage
1	No	796	19.1%
2	Yes	3375	80.9%
Sysmiss		907	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#16 V38: Microscope

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4165 /-] [Invalid=913 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Microscope? Yes ..... 1 No ……………2

File General purpose equipment (cont.)

#16 V38: Microscope (cont.)

Value	Label	Cases	Percentage
1	Yes	788	18.9%
2	No	3377	81.1%
Sysmiss		913	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#17 V39: Slides

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4154 /-] [Invalid=924 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Slides? Yes ..... 1 No ……………2

Value	Label	Cases	Percentage
1	Yes	724	17.4%
2	No	3430	82.6%
Sysmiss		924	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#18 V40: Adults weighing scale

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4165 /-] [Invalid=913 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Weighing scale for adults? Yes ..... 1 No ……………2

Value	Label	Cases	Percentage
1	Yes	2832	68.0%
2	No	1333	32.0%
Sysmiss		913	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#19 V41: Underfive weighing scale

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4165 /-] [Invalid=913 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Weighing equipment (i.e. Salter scale or similar hanging scale) for under-five-year-olds? Yes ..... 1 No ……………2

File General purpose equipment (cont.)

#19 V41: Underfive weighing scale (cont.)

Value	Label	Cases	Percentage
1	Yes	2043	49.1%
2	No	2122	50.9%
Sysmiss		913	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#20 V42: Oral thermometer

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4168 /-] [Invalid=910 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Clinical thermometer? Yes ..... 1 No ……………2

Value	Label	Cases	Percentage
1	Yes	3222	77.3%
2	No	946	22.7%
Sysmiss		910	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#21 V43: Gloves in stock

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4165 /-] [Invalid=913 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	latex gloves in stock? Yes ..... 1 No ……………2

Value	Label	Cases	Percentage
1	Yes	2584	62.0%
2	No	1581	38.0%
Sysmiss		913	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#22 V44: Refrigerator

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4161 /-] [Invalid=917 /-]
Pre-question	Please indicate whether or not the following are available and functional in this facility:
Literal question	Refrigerator? Yes ..... 1 No ……………2S

File General purpose equipment (cont.)

#22 V44: Refrigerator (cont.)

Value	Label	Cases	Percentage
1	Yes	1281	30.8%
2	No	2880	69.2%
Sysmiss		917	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File Injection and sterilization equipment

#1 V6: Sam_id

Information	[Type= continuous] [Format=numeric] [Range= 1-6199] [Missing=*]
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]
Literal question	Sam id

#2 V7: Main type of injection

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]
Statistics [NW/ W]	[Valid=5003 /-] [Invalid=75 /-]
Literal question	Please indicate which of the following is the most commonly used type of needles and syringes for general health services (apart from immunization activities) in this facility: Disposable …………1 Re-usable .... 2 Auto-destruct. 3
Interviewer's instructions	We are interested in knowing what type of injection and sterilization equipment is available in this facility. You will be asked to choose the most common type of needles and syringes used for general health services (apart from immunization activities). We would also like to ask the most common type of sterilization equipment used. Finally, we will ask whether or not disinfectants are available in this facility.

Value	Label	Cases	Percentage
1	Disposable	4903	98.0%
2	Re-usable	17	0.3%
3	Auto-destruct	34	0.7%
4	None	49	1.0%
Sysmiss		75	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#3 V8: Sterilization methods

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]

File Injection and sterilization equipment (cont.)

#3 V8: Sterilization methods (cont.)	
Statistics [NW/ W]	[Valid=5047 /-] [Invalid=31 /-]
Literal question	Please indicate which of the following is the most commonly used method of sterilisation for general health services: Autoclave .... 1 Sterilizers .... 2 Pressure pots .... 3 Boiling pot. .... 4 Other .... 5 (please specify): None 6
Interviewer's instructions	We are interested in knowing what type of injection and sterilization equipment is available in this facility. You will be asked to choose the most common type of needles and syringes used for general health services (apart from immunization activities). We would also like to ask the most common type of sterilization equipment used. Finally, we will ask whether or not disinfectants are available in this facility.

Value	Label	Cases	Percentage
1	Autoclave	1234	24.5%
2	Sterilizers	483	9.6%
3	Pressure pots	122	2.4%
4	Boiling pot	2526	50.0%
5	Others	199	3.9%
6	None	483	9.6%
Sysmiss		31	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#4 V9: Other sterization methods	
Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=192 /-] [Invalid=0 /-]
Literal question	S
Interviewer's instructions	We are interested in knowing what type of injection and sterilization equipment is available in this facility. You will be asked to choose the most common type of needles and syringes used for general health services (apart from immunization activities). We would also like to ask the most common type of sterilization equipment used. Finally, we will ask whether or not disinfectants are available in this facility.
Frequency table not shown (44 Modalities)	

#5 V10: Disinfectant available	
Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4908 /-] [Invalid=170 /-]
Literal question	Is environmental disinfectant (i.e., bleach, Dettol, Izal, Hibitane, etc.) available in this facility? Yes……………1

File Injection and sterilization equipment (cont.)

#5 V10: Disinfectant available (cont.)

	No……………..2
Interviewer's instructions	We are interested in knowing what type of injection and sterilization equipment is available in this facility. You will be asked to choose the most common type of needles and syringes used for general health services (apart from immunization activities). We would also like to ask the most common type of sterilization equipment used. Finally, we will ask whether or not disinfectants are available in this facility.

Value	Label	Cases	Percentage
1	Yes	3980	81.1%
2	No	928	18.9%
Sysmiss		170	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File Human resources

#1 V6: Sam_id

Information	[Type= continuous] [Format=numeric] [Range= 1-6199] [Missing=*]
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]

#2 V34: Doctors on full-time

Information	[Type= continuous] [Format=numeric] [Range= 0-900] [Missing=*]
Statistics [NW/ W]	[Valid=5017 /-] [Invalid=61 /-] [Mean=1.428 /-] [StdDev=16.992 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Medical Doctors
Literal question	How many medical doctors work full time at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#3 V35: Doctors on part-time

Information	[Type= continuous] [Format=numeric] [Range= 0-258] [Missing=*]
Statistics [NW/ W]	[Valid=4988 /-] [Invalid=90 /-] [Mean=0.586 /-] [StdDev=3.925 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Medical Doctors

File Human resources (cont.)

#3 V35: Doctors on part-time (cont.)	
Literal question	How many medical doctors work part time at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#4 V36: Doctors present today	
Information	[Type= continuous] [Format=numeric] [Range= 0-611] [Missing=*]
Statistics [NW/ W]	[Valid=4994 /-] [Invalid=84 /-] [Mean=1.068 /-] [StdDev=12.332 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Medical Doctors
Literal question	How many medical doctors are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#5 V37: Midwives	
Information	[Type= continuous] [Format=numeric] [Range= 0-1400] [Missing=*]
Statistics [NW/ W]	[Valid=4980 /-] [Invalid=98 /-] [Mean=1.152 /-] [StdDev=21.591 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Certified/registered midwives:
Literal question	How many certified/registered midwives work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#6 V38: Midwives present today	
Information	[Type= continuous] [Format=numeric] [Range= 0-1000] [Missing=*]
Statistics [NW/ W]	[Valid=4969 /-] [Invalid=109 /-] [Mean=0.852 /-] [StdDev=16.566 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Certified/registered midwives:
Literal question	How many certified/registered midwives are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

File Human resources (cont.)

#7 V39: Nurses

Information	[Type= continuous] [Format=numeric] [Range= 0-497] [Missing=*]
Statistics [NW/ W]	[Valid=4991 /-] [Invalid=87 /-] [Mean=1.464 /-] [StdDev=11.452 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Certified/registered nurses:
Literal question	How many certified/registered nurses work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#8 V40: Nurses present today

Information	[Type= continuous] [Format=numeric] [Range= 0-497] [Missing=*]
Statistics [NW/ W]	[Valid=4973 /-] [Invalid=105 /-] [Mean=0.895 /-] [StdDev=9.387 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Certified/registered nurses:
Literal question	How many certified/registered nurses are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#9 V41: Nurse/midwives

Information	[Type= continuous] [Format=numeric] [Range= 0-597] [Missing=*]
Statistics [NW/ W]	[Valid=4983 /-] [Invalid=95 /-] [Mean=2.589 /-] [StdDev=18.378 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Certified/registered nurse midwives
Literal question	How many certified/registered nurse midwives work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#10 V42: Nurse/midwives present today

Information	[Type= continuous] [Format=numeric] [Range= 0-560] [Missing=*]
Statistics [NW/ W]	[Valid=4987 /-] [Invalid=91 /-] [Mean=1.622 /-] [StdDev=15.825 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer.

File Human resources (cont.)

#10 V42: Nurse/midwives present today (cont.)

	Certified/registered nurse midwives
Literal question	How many certified/registered nurse midwives are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#11 V43: Nursing assistants

Information	[Type= continuous] [Format=numeric] [Range= 0-235] [Missing=*]
Statistics [NW/ W]	[Valid=4994 /-] [Invalid=84 /-] [Mean=2.149 /-] [StdDev=7.237 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Auxiliary nurses/Nurse assistants/Nurse aides
Literal question	How many auxiliary nurses/nurse assistants/nurse aides work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#12 V44: Nursing assts present today

Information	[Type= continuous] [Format=numeric] [Range= 0-200] [Missing=*]
Statistics [NW/ W]	[Valid=4986 /-] [Invalid=92 /-] [Mean=1.114 /-] [StdDev=5.468 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Auxiliary nurses/Nurse assistants/Nurse aides
Literal question	How many auxiliary nurses/nurse ssistants/nurse aides are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#13 V45: Lab scientists

Information	[Type= continuous] [Format=numeric] [Range= 0-60] [Missing=*]
Statistics [NW/ W]	[Valid=4978 /-] [Invalid=100 /-] [Mean=0.324 /-] [StdDev=1.894 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Medical laboratory scientists/technologists
Literal question	How many medical laboratory scientists/technologists work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

File Human resources (cont.)

#14 V46: Lab scientist present today	
Information	[Type= continuous] [Format=numeric] [Range= 0-54] [Missing=*]
Statistics [NW/ W]	[Valid=4972 /-] [Invalid=106 /-] [Mean=0.257 /-] [StdDev=1.704 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Medical laboratory scientists/technologists
Literal question	How many medical laboratory cientists/ technologists are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#15 V47: Lab technicians	
Information	[Type= continuous] [Format=numeric] [Range= 0-100] [Missing=*]
Statistics [NW/ W]	[Valid=4981 /-] [Invalid=97 /-] [Mean=0.267 /-] [StdDev=1.673 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Medical laboratory technicians
Literal question	How many medical laboratory technicians work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#16 V48: Lab technician present today	
Information	[Type= continuous] [Format=numeric] [Range= 0-25] [Missing=*]
Statistics [NW/ W]	[Valid=4980 /-] [Invalid=98 /-] [Mean=0.198 /-] [StdDev=0.791 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Medical laboratory technicians
Literal question	How many medical laboratory technicians are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#17 V49: Laboratory assistants	
Information	[Type= continuous] [Format=numeric] [Range= 0-150] [Missing=*]
Statistics [NW/ W]	[Valid=4970 /-] [Invalid=108 /-] [Mean=0.19 /-] [StdDev=2.23 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer.

File Human resources (cont.)

#17 V49: Laboratory assistants (cont.)

	Medical laboratory assistants:
Literal question	How many Medical laboratory assistants work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#18 V50: Lab assistant present today

Information	[Type= continuous] [Format=numeric] [Range= 0-25] [Missing=*]
Statistics [NW/ W]	[Valid=4968 /-] [Invalid=110 /-] [Mean=0.137 /-] [StdDev=0.745 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Medical laboratory assistants:
Literal question	How many Medical laboratory assistants are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#19 V51: Pharmacists

Information	[Type= continuous] [Format=numeric] [Range= 0-61] [Missing=*]
Statistics [NW/ W]	[Valid=4981 /-] [Invalid=97 /-] [Mean=0.186 /-] [StdDev=1.486 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Pharmacists
Literal question	How many Pharmacists work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#20 V52: Pharmacists present today

Information	[Type= continuous] [Format=numeric] [Range= 0-58] [Missing=*]
Statistics [NW/ W]	[Valid=4957 /-] [Invalid=121 /-] [Mean=0.145 /-] [StdDev=1.307 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Pharmacists:
Literal question	How many Pharmacists are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

File Human resources (cont.)

#21 V53: Pharmacy technician

Information	[Type= continuous] [Format=numeric] [Range= 0-15] [Missing=*]
Statistics [NW/ W]	[Valid=4982 /-] [Invalid=96 /-] [Mean=0.201 /-] [StdDev=0.887 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Pharmacy technicians
Literal question	How many Pharmacy technicians work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#22 V54: Pharmacy technician present today

Information	[Type= continuous] [Format=numeric] [Range= 0-100] [Missing=*]
Statistics [NW/ W]	[Valid=4978 /-] [Invalid=100 /-] [Mean=0.159 /-] [StdDev=1.561 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Pharmacy technicians
Literal question	How Pharmacy technicians are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#23 V55: Pharmacy assistants

Information	[Type= continuous] [Format=numeric] [Range= 0-14] [Missing=*]
Statistics [NW/ W]	[Valid=4967 /-] [Invalid=111 /-] [Mean=0.125 /-] [StdDev=0.689 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Pharmacy assistants
Literal question	How many Pharmacy assistants work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#24 V56: Pharmacy assistants present today

Information	[Type= continuous] [Format=numeric] [Range= 0-14] [Missing=*]
Statistics [NW/ W]	[Valid=4975 /-] [Invalid=103 /-] [Mean=0.0937 /-] [StdDev=0.564 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer.

File Human resources (cont.)

#24 V56: Pharmacy assistants present today (cont.)	
	Pharmacy assistants
Literal question	How Pharmacy assistants are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#25 V57: Hmis person	
Information	[Type= continuous] [Format=numeric] [Range= 0-18] [Missing=*]
Statistics [NW/ W]	[Valid=4971 /-] [Invalid=107 /-] [Mean=0.195 /-] [StdDev=0.988 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. HMIS/M&E officers/records officers
Literal question	How HMIS/M&E officers/records officers work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#26 V58: Hmis person present today	
Information	[Type= continuous] [Format=numeric] [Range= 0-18] [Missing=*]
Statistics [NW/ W]	[Valid=4965 /-] [Invalid=113 /-] [Mean=0.156 /-] [StdDev=0.817 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. HMIS/M&E officers/records officers
Literal question	How HMIS/M&E officers/records officers are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#27 V59: Records assistant	
Information	[Type= continuous] [Format=numeric] [Range= 0-136] [Missing=*]
Statistics [NW/ W]	[Valid=4974 /-] [Invalid=104 /-] [Mean=0.373 /-] [StdDev=2.815 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Records assistants in all facilities
Literal question	How many Records assistants work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

File Human resources (cont.)

#28 V60: Records asst. Present today

Information	[Type= continuous] [Format=numeric] [Range= 0-2000] [Missing=*]
Statistics [NW/ W]	[Valid=4972 /-] [Invalid=106 /-] [Mean=0.66 /-] [StdDev=28.42 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Records assistants in all facilities
Literal question	How Records assistants are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#29 V61: Health service mgr.

Information	[Type= continuous] [Format=numeric] [Range= 0-200] [Missing=*]
Statistics [NW/ W]	[Valid=4974 /-] [Invalid=104 /-] [Mean=0.306 /-] [StdDev=3.137 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Full time or dedicated health service managers responsible for overall management of this facility?
Literal question	How many health service managers work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#30 V62: Health service mgr present today

Information	[Type= continuous] [Format=numeric] [Range= 0-152] [Missing=*]
Statistics [NW/ W]	[Valid=4965 /-] [Invalid=113 /-] [Mean=0.234 /-] [StdDev=2.363 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Full time or dedicated health service managers responsible for overall management of this facility?
Literal question	How health service managers are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#31 V63: Community health officers

Information	[Type= continuous] [Format=numeric] [Range= 0-120] [Missing=*]
Statistics [NW/ W]	[Valid=5009 /-] [Invalid=69 /-] [Mean=1.583 /-] [StdDev=3.754 /-]
Pre-question	In this section we would like to know how many of the following health personnel are

File Human resources (cont.)

#31 V63: Community health officers (cont.)

	available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Community health officers (CHO), Community Health Extension Workers (CHEW), etc.
Literal question	How many Community health officers work at this facility?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

#32 V64: Community health officers present today

Information	[Type= continuous] [Format=numeric] [Range= 0-28] [Missing=*]
Statistics [NW/ W]	[Valid=5010 /-] [Invalid=68 /-] [Mean=1.044 /-] [StdDev=1.531 /-]
Pre-question	In this section we would like to know how many of the following health personnel are available. We would also like to ask about the number for each resource that is present here today. If a human resource is not applicable, please indicate this to the interviewer. Community health officers (CHO), Community Health Extension Workers (CHEW), etc.
Literal question	How many Community health officers are present at this facility today?
Interviewer's instructions	Please indicate respondent's answers in the grey, rightmost column. Questions ask about whether a human resource is available, and the number present on the day of the interview.

File Trained staff

#1 V6: Sam_id

Information	[Type= continuous] [Format=numeric] [Range= 1-6199] [Missing=*]
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]

#2 V18: Imci

Information	[Type= continuous] [Format=numeric] [Range= 0-705] [Missing=*]
Statistics [NW/ W]	[Valid=4968 /-] [Invalid=110 /-] [Mean=1.634 /-] [StdDev=14.595 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	Integrated management of childhood illness (IMCI)?

File Trained staff (cont.)

#3 V19: Safe motherhood

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=4978 /-] [Invalid=100 /-] [Mean=3.309 /-] [StdDev=1.524 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	Maternal and child health?

#4 V20: Life saving

Information	[Type= continuous] [Format=numeric] [Missing=*/98]
Statistics [NW/ W]	[Valid=4971 /-] [Invalid=107 /-] [Mean=5.873 /-] [StdDev=1.204 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	Life-saving skills?

#5 V21: Asrh

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=4968 /-] [Invalid=110 /-] [Mean=4.206 /-] [StdDev=1.235 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	Adolescent sexual and reproductive health (ASRH)?

#6 V22: Hivaids care

Information	[Type= continuous] [Format=numeric] [Range= 0-98] [Missing=*]
Statistics [NW/ W]	[Valid=4959 /-] [Invalid=119 /-] [Mean=1.031 /-] [StdDev=7.939 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	HIV/AIDS opportunistic infection treatment and care?

#7 V23: Hiv/aids counselling

Information	[Type= continuous] [Format=numeric] [Range= 0-180] [Missing=*]
Statistics [NW/ W]	[Valid=4980 /-] [Invalid=98 /-] [Mean=1.478 /-] [StdDev=10.035 /-]

File Trained staff (cont.)

#7 V23: Hiv/aids counselling (cont.)

Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	Counselling for HIV/AIDS?

#8 V24: Pmtct train

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=4961 /-] [Invalid=117 /-] [Mean=6.462 /-] [StdDev=2.245 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	Prevention of mother to child transmission (PMTCT) of HIV?

#9 V25: Family planning

Information	[Type= continuous] [Format=numeric] [Range= 0-121] [Missing=*]
Statistics [NW/ W]	[Valid=4964 /-] [Invalid=114 /-] [Mean=1.909 /-] [StdDev=11.579 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	Family planning?

#10 V26: Sti treatment

Information	[Type= continuous] [Format=numeric] [Range= 0-5000] [Missing=*]
Statistics [NW/ W]	[Valid=4956 /-] [Invalid=122 /-] [Mean=2.611 /-] [StdDev=72.049 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	STI diagnosis and treatment?

#11 V27: Universal precautions

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=4963 /-] [Invalid=115 /-] [Mean=1.878 /-] [StdDev=2.754 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training

File Trained staff (cont.)

#11 V27: Universal precautions (cont.)

	during the last two (2) years.
Literal question	Infection controll universal precautions for handling blood and other bodily fluids?

#12 V28: Diagnosis/treatment of malaria

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=4970 /-] [Invalid=108 /-] [Mean=7.37 /-] [StdDev=2.804 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	Diagnosis and treatment of malaria?

#13 V29: Drugs management

Information	[Type= continuous] [Format=numeric] [Range= 0-600] [Missing=*]
Statistics [NW/ W]	[Valid=4956 /-] [Invalid=122 /-] [Mean=2.101 /-] [StdDev=15.289 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	Drug management?

#14 V30: Hmis

Information	[Type= continuous] [Format=numeric] [Range= 0-100] [Missing=*]
Statistics [NW/ W]	[Valid=4952 /-] [Invalid=126 /-] [Mean=1.021 /-] [StdDev=9.353 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	HMIS training?

#15 V31: Health services mgt.

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Mean=1.439 /-] [StdDev=1.629 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	Health services management?

File Trained staff (cont.)

#16 V32: Dots implementation

Information	[Type= continuous] [Format=numeric] [Range= 0-98] [Missing=*]
Statistics [NW/ W]	[Valid=4956 /-] [Invalid=122 /-] [Mean=1.287 /-] [StdDev=10.429 /-]
Pre-question	In this section we would like to know how many of your staff have received training on the delivery of specific health interventions. For each intervention, please indicate the number of staff that have received pre- or in-service training during the last two (2) years.
Literal question	DOTS implementation?

File Drugs and commodities

#1 V6: Sam_id

Information	[Type= continuous] [Format=numeric] [Range= 1-6199] [Missing=*]
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]

#2 V20: Injectable antibiotics

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5020 /-] [Invalid=58 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Injectable antibiotics? Yes……………1 No……………..2

Value	Label	Cases	Percentage
1	Yes	4176	83.2%
2	No	844	16.8%
Sysmiss		58	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#3 V21: Oral antibiotics

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5034 /-] [Invalid=44 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Oral antibiotics?

File Drugs and commodities (cont.)

#3 V21: Oral antibiotics (cont.)

Yes……………1
No……………..2

Value	Label	Cases	Percentage
1	Yes	4354	86.5%
2	No	680	13.5%
Sysmiss		44	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#4 V22: Oral contraceptive pills

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5025 /-] [Invalid=53 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Oral contraceptive pills? Yes……………1 No……………..2

Value	Label	Cases	Percentage
1	Yes	2595	51.6%
2	No	2430	48.4%
Sysmiss		53	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#5 V23: Iucd

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5042 /-] [Invalid=36 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Intra uterine contraceptive device (IUCD)?

Value	Label	Cases	Percentage
1	Yes	1485	29.5%
2	No	3557	70.5%
Sysmiss		36	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#6 V24: Injectable contraceptive

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]

File Drugs and commodities (cont.)

#6 V24: Injectable contraceptive (cont.)

Statistics [NW/ W]	[Valid=5042 /-] [Invalid=36 /-]		
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.		
Literal question	Injectable contraceptives? Yes……………1 No……………..2		

Value	Label	Cases	Percentage
1	Yes	2539	50.4%
2	No	2503	49.6%
Sysmiss		36	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#7 V25: Condoms

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]		
Statistics [NW/ W]	[Valid=5047 /-] [Invalid=31 /-]		
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.		
Literal question	Condoms? Yes……………1 No……………..2		

Value	Label	Cases	Percentage
1	Yes	1907	37.8%
2	No	3140	62.2%
Sysmiss		31	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#8 V26: Iron

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]		
Statistics [NW/ W]	[Valid=5039 /-] [Invalid=39 /-]		
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.		
Literal question	Iron (e.g. ferrous sulphate)? Yes……………1 No……………..2		

Value	Label	Cases	Percentage
1	Yes	4184	83.0%
2	No	855	17.0%

File Drugs and commodities (cont.)

#8 V26: Iron (cont.)

Value (cont.)	Label	Cases	Percentage
Sysmiss		39	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#9 V27: Vitamin a capsules

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5037 /-] [Invalid=41 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Vitamin A capsules? Yes……………1 No……………..2

Value	Label	Cases	Percentage	
1	Yes	2041		40.5%
2	No	2996		59.5%
Sysmiss		41		

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#10 V28: Measles vaccine

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5043 /-] [Invalid=35 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Measles vaccine? Yes……………1 No……………..2

Value	Label	Cases	Percentage	
1	Yes	1919		38.1%
2	No	3124		61.9%
Sysmiss		35		

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#11 V29: First line antimalaria

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5044 /-] [Invalid=34 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no

File Drugs and commodities (cont.)

#11 V29: First line antimalaria (cont.)

	questions.		
Literal question	First-line anti-malarial drugs (ACT)? Yes……………1 No……………..2		

Value	Label	Cases	Percentage
1	Yes	3584	71.1%
2	No	1460	28.9%
Sysmiss		34	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#12 V30: Second line antimalaria

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5030 /-] [Invalid=48 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Second-line anti-malarial drugs (Fansidar, Metakelfin)? Yes……………1 No……………..2

Value	Label	Cases	Percentage
1	Yes	3406	67.7%
2	No	1624	32.3%
Sysmiss		48	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#13 V31: Anti hypertensive

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5048 /-] [Invalid=30 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Antihypertensive drugs? Yes……………1 No……………..2

Value	Label	Cases	Percentage
1	Yes	2259	44.8%
2	No	2789	55.2%
Sysmiss		30	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File Drugs and commodities (cont.)

#14 V32: Magnesium sulphate

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5043 /-] [Invalid=35 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Magnesium Sulphate for eclampsia treatment? Yes……………1 No……………..2

Value	Label	Cases	Percentage
1	Yes	920	18.2%
2	No	4123	81.8%
Sysmiss		35	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#15 V33: Ergometrine

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5042 /-] [Invalid=36 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Ergometrine for post-partum hemorrhage? Yes……………1 No……………..2

Value	Label	Cases	Percentage
1	Yes	3331	66.1%
2	No	1711	33.9%
Sysmiss		36	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#16 V34: Oral rehydration salts

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5040 /-] [Invalid=38 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Oral rehydration salts (ORS)? Yes……………1 No……………..2

Value	Label	Cases	Percentage
1	Yes	3692	73.3%

File Drugs and commodities (cont.)

#16 V34: Oral rehydration salts (cont.)

Value (cont.)	Label	Cases	Percentage
2	No	1348	26.7%
Sysmiss		38	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#17 V35: Antiretroviral drugs

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5041 /-] [Invalid=37 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Antiretroviral drugs for treatment of HIV? Yes……………1 No……………..2

Value	Label	Cases	Percentage
1	Yes	337	6.7%
2	No	4704	93.3%
Sysmiss		37	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#18 V36: Safe sex brochures

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5040 /-] [Invalid=38 /-]
Pre-question	In this section we would like to know if the following drugs or commodities are available today in this facility. These are all yes/no questions.
Literal question	Brochures, posters, or other materials on safer sex practices*? Yes……………1 No……………..2
Interviewer's instructions	We are interested in knowing that these are present and appropriate. By appropriate we mean that the brochures, posters and materials are accessible to people with limited literacy, they have pictures and use words that are widely understood.

Value	Label	Cases	Percentage
1	Yes	1821	36.1%
2	No	3219	63.9%
Sysmiss		38	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File Lab tests

#1 V6: Sam_id

Information	[Type= continuous] [Format=numeric] [Range= 1-6199] [Missing=*]
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]

#2 V9: Hiv test

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=5042 /-] [Invalid=36 /-]
Literal question	HIV antibody test? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3

Value	Label	Cases	Percentage
1	Test can be done on-site	868	17.2%
2	Test can be done off-site	1120	22.2%
3	Service not available	3054	60.6%
Sysmiss		36	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#3 V10: Hemoglobin

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=5040 /-] [Invalid=38 /-]
Literal question	Haemoglobin? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3

Value	Label	Cases	Percentage
1	Test can be done on-site	1422	28.2%
2	Test can be done off-site	1200	23.8%
3	Service not available	2418	48.0%
Sysmiss		38	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#4 V11: Blood count

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=5036 /-] [Invalid=42 /-]
Literal question	Blood count? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3

File Lab tests (cont.)

#4 V11: Blood count (cont.)

Value	Label	Cases	Percentage
1	Test can be done on site	945	18.8%
2	Test can be done off-site	1242	24.7%
3	Service not available	2849	56.6%
Sysmiss		42	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#5 V12: Blood glucose

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=5039 /-] [Invalid=39 /-]
Literal question	Blood glucose level? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3

Value	Label	Cases	Percentage
1	Test can be done on-site	1160	23.0%
2	Test can be done off-site	1196	23.7%
3	Service not available	2683	53.2%
Sysmiss		39	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#6 V13: Giemsa stain for malaria

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=5024 /-] [Invalid=54 /-]
Literal question	Giemsa stain for malaria? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …...... 3

Value	Label	Cases	Percentage
1	Test can be done on-site	1156	23.0%
2	Test can be done off-site	1227	24.4%
3	Service not available	2641	52.6%
Sysmiss		54	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#7 V14: Rpr for syphillis

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=5027 /-] [Invalid=51 /-]

File Lab tests (cont.)

#7 V14: Rpr for syphillis (cont.)

Literal question	RPR or VDRL for syphilis? The test can be done onsite today ………………1 The test can be done off site and results can be received within two days time............ 2 Service is not available . …....... 3

Value	Label	Cases	Percentage
1	Test can be done on-site	773	15.4%
2	Test can be done off-site	1105	22.0%
3	Service not available	3149	62.6%
Sysmiss		51	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File Information on interventions available in the facility

#1 V6: Sam_id

Information	[Type= continuous] [Format=numeric] [Range= 1-6199] [Missing=*]
Statistics [NW/ W]	[Valid=5078 /-] [Invalid=0 /-]

#2 V28: New clients

Information	[Type= continuous] [Format=numeric] [Range= 0-2921] [Missing=*]
Statistics [NW/ W]	[Valid=1815 /-] [Invalid=3263 /-] [Mean=16.085 /-] [StdDev=90.471 /-]
Literal question	How many HIV antibody testing and counselling clients did the facility see in the previous month?

#3 V29: Counseling

Information	[Type= continuous] [Format=numeric] [Range= 0-2921] [Missing=*]
Statistics [NW/ W]	[Valid=1807 /-] [Invalid=3271 /-] [Mean=13.594 /-] [StdDev=83.155 /-]
Literal question	Is HIV antibody testing and counselling available in this facility? How many HIV antibody testing and counselling clients returned for their results in the previous month

#4 V30: Provides antenatal services

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4898 /-] [Invalid=180 /-]
Literal question	Are antenatal services provided in this facility?

Value	Label	Cases	Percentage
1	Yes	3345	68.3%

File Information on interventions available in the facility (cont.)

#4 V30: Provides antenatal services (cont.)

Value (cont.)	Label	Cases	Percentage
2	No	1553	31.7%
Sysmiss		180	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#5 V31: Number antenatal

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=3289 /-] [Invalid=1789 /-]
Literal question	How many antenatal clients were seen in the previous month?

#6 V32: Hiv counselling

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=3510 /-] [Invalid=1568 /-]
Literal question	Is HIV counselling provided to pregnant women?

Value	Label	Cases	Percentage
1	Yes	2092	59.6%
2	No	1418	40.4%
Sysmiss		1568	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#7 V33: Hiv testing

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=3498 /-] [Invalid=1580 /-]
Literal question	Is HIV testing provided to pregnant women?

Value	Label	Cases	Percentage
1	Yes	1118	32.0%
2	No	2380	68.0%
Sysmiss		1580	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#8 V34: Provide nevirapine

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=3502 /-] [Invalid=1576 /-]
Literal question	Is nevirapine or AZT provided to prevent mother to child transmission of HIV?

File Information on interventions available in the facility (cont.)

#8 V34: Provide nevirapine (cont.)

Value	Label	Cases	Percentage
1	Yes	215	6.1%
2	No	3287	93.9%
Sysmiss		1576	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#9 V35: Patients recvd nevirapine

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=210 /-] [Invalid=4868 /-]
Literal question	How many patients received nevirapine or AZT in the previous month?

#10 V36: Provide arvs

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4923 /-] [Invalid=155 /-]
Literal question	Is ARV therapy offered at this facility?

Value	Label	Cases	Percentage
1	Yes	243	4.9%
2	No	4680	95.1%
Sysmiss		155	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#11 V37: Enrolment for arv prog

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=393 /-] [Invalid=4685 /-]
Literal question	How namy patients are currently enrolled in the ARV program?

#12 V38: Arv under 15

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=127 /-] [Invalid=4951 /-]
Literal question	Of the total number of patients provided in question 810, how many of them are chilren under 15 years of age

#13 V39: Arv women 15 or over

Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=126 /-] [Invalid=4952 /-]

File Information on interventions available in the facility (cont.)

#13 V39: Arv women 15 or over (cont.)	
Literal question	Of the total number of patients provided in question 810, how many of them are women over 15 years of age

#14 V40: Arv men 15 or over	
Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=125 /-] [Invalid=4953 /-]
Literal question	Of the total number of patients provided in question 810, how many of them are men over 15 years of age?

#15 V41: Arv pateints spicked drugs	
Information	[Type= continuous] [Format=numeric] [Missing=*]
Statistics [NW/ W]	[Valid=128 /-] [Invalid=4950 /-]
Literal question	How many patients picked up their ARV drugs in the previous month?

#16 V42: Sti diagnosis & treatment	
Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4933 /-] [Invalid=145 /-]
Literal question	Does the facility provide STI diagnosis and treatment?

Value	Label	Cases	Percentage
1	Yes	2359	47.8%
2	No	2574	52.2%
Sysmiss		145	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#17 V43: Sti patients	
Information	[Type= continuous] [Format=numeric] [Range= 0-1163] [Missing=*]
Statistics [NW/ W]	[Valid=2276 /-] [Invalid=2802 /-] [Mean=7.741 /-] [StdDev=34.332 /-]
Literal question	How many patients were seen for STI diagnosis and treatment in the previous month?

#18 V44: Register of susp tb cases	
Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=4910 /-] [Invalid=168 /-]
Literal question	Is register of suspected TB cases kept at this facility?

Value	Label	Cases	Percentage
1	Yes	511	10.4%
2	No	4399	89.6%

File Information on interventions available in the facility (cont.)

#18 V44: Register of susp tb cases (cont.)

Value (cont.)	Label	Cases	Percentage
Sysmiss		168	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#19 V45: Use of smear

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5026 /-] [Invalid=52 /-]
Literal question	Is smear microscope available in this facility?

Value	Label	Cases	Percentage
1	Yes	548	10.9%
2	No	4478	89.1%
Sysmiss		52	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#20 V46: Provide tb treatment

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5026 /-] [Invalid=52 /-]
Literal question	Is TB treatment available in this facility?

Value	Label	Cases	Percentage
1	Yes	904	18.0%
2	No	4122	82.0%
Sysmiss		52	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

#21 V47: Direct observation

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]
Statistics [NW/ W]	[Valid=5028 /-] [Invalid=50 /-]
Literal question	Is direct observation of short course chemotheraphy for TB provided in this facility or in the surrounding community?

Value	Label	Cases	Percentage
1	Yes	758	15.1%
2	No	4270	84.9%
Sysmiss		50	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File Information on interventions available in the facility (cont.)

#22 V48: Hiv testing for tb			
Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]		
Statistics [NW/ W]	[Valid=5021 /-] [Invalid=57 /-]		
Literal question	Is HIV antibody testing available in this facility for all TB patients (suspected or confirmed)?		

Value	Label	Cases	Percentage
1	Facility tests	701	14.0%
2	Facility refers	4320	86.0%
3	Facility does not test	0	0.0%
Sysmiss		57	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#23 V49: Child immunization			
Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]		
Statistics [NW/ W]	[Valid=5029 /-] [Invalid=49 /-]		
Literal question	Does this facility offer child immunization services?		

Value	Label	Cases	Percentage
1	Yes	2880	57.3%
2	No	2149	42.7%
Sysmiss		49	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

#24 V50: Children immunized	
Information	[Type= continuous] [Format=numeric] [Range= 0-2850] [Missing=*]
Statistics [NW/ W]	[Valid=2844 /-] [Invalid=2234 /-] [Mean=91.563 /-] [StdDev=208.879 /-]
Literal question	How many children were immunizaed in the previous month?

#25 V51: Prevention outreach			
Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*]		
Statistics [NW/ W]	[Valid=4941 /-] [Invalid=137 /-] [Mean=1.662 /-] [StdDev=0.473 /-]		
Literal question	Does the facility conduct any prevention outreach in the community?		

Value	Label	Cases	Percentage
1	Yes	1669	33.8%
2	No	3272	66.2%
Sysmiss		137	
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			

File Information on interventions available in the facility (cont.)

#26 V52: Sexual & reproductive health	
Information	[Type= discrete] [Format=numeric] [Range= 1-99] [Missing=*/99]
Statistics [NW/ W]	[Valid=4946 /-] [Invalid=132 /-] [Mean=3.615 /-] [StdDev=0.919 /-]
Literal question	Are there any sexual and reproductive health services provided inthis facility tailored specifically to adolescents and young people?

Value	Label	Cases	Percentage
1	Provides contraceptives	420	8.5%
2	Provides sti management	244	4.9%
3	Provides hiv couselling & testing	158	3.2%
4	No service	4124	83.4%
99	Missing	58	
Sysmiss		74	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Documentation

Reports and analytical documents

Nigeria Service Availability Mapping Facility Questionnaire, Executive Summary, Federal Ministry of Health World Health Organization, October 2009, Nigeria [nga], English [eng], "SAM documents\SAM Data use and dissemination.pdf"

Description

This file is the SAM Data use and dissemination and the Executive Summary.

Abstract

The aim of Service Availability Mapping (SAM) is to collect key information on the availability of health resources and interventions and use the results for operations and strategic planning and management. With a focus on the district level, maps and summary measures generated through SAM provide national and district planners and decision-makers with information on the distribution of services within the country; they also provide baseline monitoring information for increasing the provision of key services such as antiretroviral therapy (ART), prevention of mother-to-child transmission (PMTCT) of HIV, and testing and counselling of HIV/AIDS.

Table of Contents

Introduction
SAM data use and dissemination
National dissemination workshops
Regional and sub-national dissemination workshops
Making training more effective
Practical challenges at all levels of dissemination
Conclusions
References

Subjects

SAM data use and dissemination Planning Service Availability Mapping Distribution of services within the country Provide baseline monitoring information

Questionnaires

District Service Availability Mapping Facility Questionnaire, SAM District Questionnaire, Federal Ministry of Health World Health Organization, October 2009, Nigeria [nga], English [eng], "SAM documents\sam_dist_quest_en.pdf"

Description

This file is the SAM District Facility Questionnaire which was used for data collection in the health facilities in Nigeria.

Abstract

District Service Availability Mapping (SAM) is a tool to collect and present basic information on health services at district level.

This questionnaire aims to capture informtion on the general information of health facilities, as well as the availability ofhealth equipment, staffing, drugs and commodities, and the services offered in each facility.

Table of Contents

Identification
 Section 1. General characteristics
 Section 2. General purpose equipment
 Section 3. Injection and sterilization equipment
 Section 4. Human Resources
 Section 5. Trained staff
 Section 6. Drugs and Commodities
 Section 7. Lab tests
 Section 8. Information on interventions available in the facility

Subjects

Health Facility Geographic coordinates (latitude, longitude) Medical Equipment Drugs and Commodities Injection and sterilization equipment Human resource Training staff Lab tests Services offered

Nigeria Service Availability Mapping Facility Questionnaire, SAM Questionnaire, Federal Ministry of Health World Health Organization, October 2008, Nigeria [nga], English [eng], "SAM documents\sam_facilicy_quest_en.pdf"

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Subjects

Medical Equipment Drugs and Commodities Injection and sterilization equipment Human resource Training staff Lab tests Services offered

Technical documents

Service Availability Mapping Trainer's Guide, SAM Trainer's Guide, World Health Organization, October 2008, Nigeria [nga], English [eng], "SAM documents\2006_SAM_Trainers_Guide_Draft.pdf"

Description

This document was prepared for the Training of Trainers Workshop

Abstract

This document was prepared for the Training of Trainers Workshop (an intercountry orientation workshop of SAM) which was held in Bangkok in March 2006 and is not a formal publication of WHO. This guide has been developed as a training aid for focal points at regional and country level for training national teams in the implementation of SAM. The guide aims specifically to provide an overall background and understanding of what SAM is, and provides guidelines and checklists for planning and conducting a SAM survey in a specific country. It also provides step by step guidance on using survey tools and instruments, including Personal Digital Assistants (PDAs) and forms, Global Positioning Systems (GPS) and the Healthmapper application.

Table of Contents

- 67 -

Table of contents
Preface
Introduction
Chapter 1. Planning SAM
1) Liaising with in-country focal points
2) Facilitating a stakeholder workshop
3) Data requirements
4) Training requirements

Chapter 2. SAM questionnaires
1) The district questionnaire
2) The facility questionnaire

Chapter 3. Preparing and training on the survey tools
1) Preparing for SAM implementation in-country
2) Building/customizing data entry forms
3) Using field data collection tools
4) Using GPS

Chapter 4. Field surveys
1) Preparatory field work
2) Synchronizing and processing data

Chapter 5. Analysis and report
1) The HealthMapper
2) Using the HealthMapper to quickly display SAM data
3) Producing the SAM output report

Chapter 6. Data dissemination and use
1) Preparing for SAM dissemination workshop
2) Planning for SAM district rollout
3) Techniques for involving stakeholders & decision makers in the use of SAM results

Annexes
1) Project planning document
2) SAM overview presentation
3) Budget template
4) Template questionnaires
5) District questionnaire with notes for trainers | definitions
6) Facility questionnaire with notes for trainers | definitions
7) HealthMapper quick installation guide + Learner's Guide

Subjects

Planning Service Availability Mapping SAM Questionnaire Global Positioning System (GPS) Field Work Preparation Data Analysis Using HealthMapper Data Dissemination

References

Study Documentation, SAM(Health) Metadata Toolkit documenentation, NBS ICT Documentation and Archiving team, October 2009, Nigeria [nga], English [eng], "SAM documents\SAMHeathStudyDoc.pdf"

Description

Documentation of SAM(Health) using Microdata Management Toolkit