

# UNHCR Standardised Health Information System (HIS)

## Standards and Indicators Guide

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Health Information System version 1.5

June 2006

## Introduction

This guide lists the standards and indicators used within the Health Information System (HIS) in Kenya and western Tanzania.

The guide accompanies the electronic Monthly Reporting Form (developed in MS Excel spreadsheet format). It is designed as a reference tool, to help validate data entry and facilitate the interpretation and analysis of indicators that are calculated.

Each indicator is referenced according to the section and table in which it is found in the Monthly Reporting Form. A corresponding standard has been entered where available.

After further evaluation and review, it is anticipated that this list will be modified and refined to develop a core set of country-specific values. For indicators that currently have no reference standard, this process will also permit empirical standards to be derived in later HIS versions.

## Summary

<b>HIS Section:</b>	<b>No. of indicators:</b>	<b>No. of standards:</b>
1.0 Population	5	4
2.0 Mortality	7	5
3.0 Morbidity	11	4
4.0 IPD and Referral	7	1
5.0 Laboratory	6	0
6.0 Disease Control	0	0
7.0 EPI	4	3
8.0 Nutrition	21	11
9.0 Reproductive Health	30	11
10.0 HIV/AIDS	19	0
<b>Total *</b>	<b>110</b>	<b>39</b>

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\* this does not include figure after full disaggregation of indicators (e.g. into cause-specific incidence rates; antigen-specific coverage rates)

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## Health Information System (HIS)

### Standards and Indicators List

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#### 1.0 Population

**Note**

All numerators and denominators refer to one camp over a one month time period.

All indicators refer to refugee data only, unless it is specified that National data should be included.



## 1.0 Population

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
1	1. Total population	Total number of persons	Total population in the camp	Number		Disaggregated by sex (assuming 49% male : 51% female ratio)
2	2. Infants under one	Number of infants < 1 year of age	Total population x 0.04	Number	4% of total population	Disaggregated by sex (assuming 49% male : 51% female ratio)
3	3. Children under five	Number of children under 5 years of age	Total population x 0.2	Number	20% of total population	Disaggregated by sex (assuming 49% male : 51% female ratio)
4	4. Female 15-49 years of age	Number of women aged 15-49 (of reproductive age)	Total population x 0.2	Number	20% of total population	
5	5. Pregnant and Lactating women	Number of women who are pregnant and lactating	Total population x 0.06	Number	6% of total population	Assuming CBR of approx. 35 per year.

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## 2.0 Mortality

**Note**

All numerators and denominators refer to one camp over a one month time period.

All indicators refer to refugee data only, unless it is specified that National data should be included.

## 2.1 Mortality by Age

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
6	1. Crude Mortality Rate (CMR)	Rate of deaths in the total population	Total number of deaths / Total population x 1000	/ 1000 population / month	< 0.5 deaths / 1000 / month	Disaggregated by sex (see gender specific mortality rate)
7	2. Under 5 Mortality Rate (U5MR)	Rate of deaths among children under five	Number of deaths among under fives / Total under five population x 1000	/ 1000 population / month	< 1.0 deaths / 1000 / month	Disaggregated by sex (see gender specific mortality rate)
8	3. Infant Mortality Rate (IMR)	Rate of deaths among infants under one	Number of deaths among under ones / Total number of live births x 1000	/ 1000 population / month	< 60 deaths / 1000 live births / month	Disaggregated by sex (see gender specific mortality rate)
9	4. Neonatal Mortality Rate (NNMR)	Rate of deaths among newborns within the first 28 days of life	Total number of deaths for newborns < 28 days of life / Total number of live births x 1000	/ 1000 population / month	< 40 deaths / 1000 / month	
10	5. Gender-specific mortality rate	Rate of deaths among males (or females) in the population	Number of male (or female) deaths within specified age group / Population within same age group x 1000	/ 1000 population / month		Disaggregated by crude, U5 and infant. Denominator calculation assumes 49% male : 51 female)

## 2.2 Mortality by Cause

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
11	1. Maternal Mortality Ratio (MMR)	Rate of pregnancy-related deaths* among the population  <i>* Death within pregnancy or within 42 days of termination of pregnancy</i>	Number of pregnancy-related deaths / Total number of live births x 100000	/ 100 000 live births / month		Monthly figures to be interpreted with caution. Annual MMR / more stable reference
12	2. Proportional Mortality	Proportion of deaths attributable to a particular cause among the population	Number of deaths due to a particular cause / Total number of deaths x 100	%	No more than 25% of proportional mortality should be in "others" column	Disaggregated by crude and under five

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### **3.0 Morbidity**

**Note**

All numerators and denominators refer to one camp over a one month time period.

All indicators refer to refugee data only, unless it is specified that National data should be included.

### 3.1 Consultation

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
13	1. Health Facility Utilization	Rate at which new visits are made to health facilities in one year	Number of new visits made in one camp / Total population x 12	/ refugee / year	1.0 - 4.0 new visits / refugee / year	
14	2. Consultations per clinician per day	Rate at which consultations are made to a full time clinician each day in one camp	Total number of consultations (new and revisit; Refugee and National) / Number of full-time equivalent trained clinicians in the camp / Number of full days OPD functioning in the month	consultations / clinician / day	< 50 consultations / clinician / day	
15	3. Proportional service use by National	Proportional use of outpatient services by Nationals	Number of consultations to Nationals (new and revisit) / Total number of consultations (new and revisit; Refugee + National) x 100	%		

### 3.2 Morbidity

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
16	1. Disease Incidence	Rate of occurrence of new diseases or health problems in the population	Number of new cases of particular disease / Total population x 1000	/ 1000 population / month		Disaggregated by crude and under five
17	2. Proportional Morbidity	Proportion of illness attributable to a particular cause among the total population	Number of cases of a particular disease or health event / Total number of cases x 100	%	No more than 25% of proportional morbidity should be in "others" column	Disaggregated by crude and under five

### 3.3 Outbreak Alert and Response

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
18	1. Outbreak Investigation	Proportion of reported outbreaks which are investigated	Number of reported outbreaks that are investigated within 48 hours / Number of reported outbreaks	%	100%	

### 3.4 Sexually Transmitted Infection (STI)

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
19	1. Male Urethral Discharge	Incidence of male urethral discharge among male population	Number of cases of male urethral discharge reported / Total male population x 1000	/ 1000 population / month		
20	2. Genital Ulcer Disease	Incidence of genital ulcer disease among total population	Number of cases of genital ulcer disease / Total population x 1000	/ 1000 population / month		
21	3. Under 18 STI	Proportion of syndromic STIs diagnosed among under 18s	Number of STIs diagnosed among under 18s / Total number of STIs diagnosed x 100	%		
22	4. National STI	Proportion of syndromic STIs diagnosed among Nationals	Number of STIs diagnosed among Nationals / Total number of STIs diagnosed (Refugee and National) x 100	%		
23	5. Partner Tracing	Ratio of contacts of suspected STI cases treated to total number of suspected STI cases	Number of contacts treated / Number of suspected cases x 100	%		



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#### **4.0 Inpatient Department and Referral**

**Note**

All numerators and denominators refer to one camp over a one month time period.

All indicators refer to refugee data only, unless it is specified that National data should be included.

## 4.1 Inpatient Department Activities

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
24	1. Deaths among under-fives within 24 hours	Proportion of inpatient deaths among under fives that occur within 24 hours of admission	Number of under five deaths within 24 hours of admission / Total number of under five deaths x 100	%		
25	2. Average length of stay	Average length of stay for all authorized discharges	Sum of days spent in hospital for all authorized discharges / Total number of authorized discharges	Days		
26	3. Bed occupancy	Average number of beds that are occupied at any point in time	(Average length of stay x Number of admissions during reporting period) / (Number of beds x Number of days during reporting period)	%		
27	4. Hospitalisation rate	Rate at which individuals are admitted to hospital among the population	Number of admissions / Total Population x 1000	/ 1000 population / month		
28	5. Proportional service use by National	Proportional number of inpatient admissions by Nationals	Number of admissions to Nationals / Total number of admissions (Refugee + National) x 100	%		

## 4.2 Inpatient Department Admissions and Deaths

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
29	1. Proportional Mortality	Proportion of deaths attributable to a particular cause among admissions to IPD	Number of deaths due to a particular cause / Total number of deaths x 100	%	No more than 25% of proportional mortality should be in "others" column	Disaggregated by crude and under five

## 4.3 Referral

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
30	1. Referral rate	Rate at which referrals are made to other types and levels of health care	Number of referrals from camp according to department / Total population x 1000	/ 1000 population / month		Disaggregated by Emergency, District, Regional, Zonal, National and Other

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### Standards and Indicators List

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## 5.0 Laboratory

**Note**

All numerators and denominators refer to one camp over a one month time period.

All indicators refer to refugee data only, unless it is specified that National data should be included.

## 5.1 Malaria

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
31	1. Malaria Slide positivity	Proportion of malaria films examined which were positive for malaria parasites	Number of malaria slides which were positive for <i>Plasmodium falciparum</i> / Total number of malaria slides examined x 100	%		

## 5.2 Tuberculosis

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
32	1. Sputum Smear positivity	Proportion of sputum smears examined which were positive for acid fast bacilli (AFB)	Number of sputum smears which were positive for AFB / Total number of sputum smears examined x 100	%		

## 5.3 Blood Donation

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
33	1. HIV prevalence (Blood Donors)	Proportion of blood donors, who tested for HIV, who tested HIV positive	Number of tests HIV-positive among blood donors in the camp for one month / Total number of tests among blood donors in the camp for one month x 100	%		

## 5.4 RPR Testing (OPD)

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
34	1. Syphilis prevalence (OPD)	Proportion of STI patients, who were screened for syphilis using Rapid Plasma Reagin (RPR), who were RPR positive	Number of STI patients tested RPR positive / Total number of STI patients tested x 100	%		
35	2. Syphilis prevalence among Nationals (OPD)	Proportion of National STI patients, who were screened for syphilis using Rapid Plasma Reagin (RPR), who were RPR positive	Number of National STI patients tested RPR positive / Total number of National STI patients tested x 100	%		
36	3. Partner Tracing	Ratio of contacts of RPR positive cases tested to total number of RPR positive cases	Number of RPR positive contacts tested / Number of RPR positive cases x 100	%		

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## 7.0 Expanded Programme on Immunization (EPI)

**Note**

All numerators and denominators refer to one camp over a one month time period.

All indicators refer to refugee data only, unless it is specified that National data should be included.

## 7.1 Children Vaccinated

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
37	1. Program Drop Out rate	Proportion of infants not receiving all three required doses of DTP after receiving an initial dose, compared number of infants who receive an initial dose.	$\frac{\text{(Number of infants who receive DPT 1 - Number of infants who receive DPT 3)}}{\text{Number of infants who received DPT 1}}$	%	< 10 %	Disaggregated by Crude and Under five, and by cause
38	2. Vaccination Coverage	Percentage of infants under one year who are fully immunized against target disease	$\frac{\text{Number of infants who finished antigen course}}{\text{Total number of infants}} \times 12$	%	100%	Disaggregated by BCG, Polio, DPT, Measles, Fully Immunized

## 7.2 Vaccine Wastage

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
39	1. Vaccine Wastage	Proportion of doses of vaccine supplied but not administered	$\frac{\text{(Number of doses of vaccine supplied - Number of doses administered (Refugee + National))}}{\text{Number of doses supplied}}$	%		Disaggregated by BCG, Polio, DPT, Measles, Tetanus Toxoid



### 7.3 Vitamin A Distribution

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
40	1. Postnatal Vitamin A coverage	Proportion of women who received Vitamin A prophylaxis within 6 weeks of delivery	Number of women receiving one dose of Vitamin A within 6 weeks of delivery / Number of live births x 100	%	100%	

### 7.4 Tetanus Toxoid

### 7.5 Growth Monitoring

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
41	1. Coverage of growth monitoring (U5)	Proportion of expected number of children U5 who were screened for weight-for-age	Number of U5 screened for weight-for-age / Total population of U5 x 100	%	> 90%	

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## 8.0 Nutrition

**Note**

All numerators and denominators refer to one camp over a one month time period.

All indicators refer to refugee data only, unless it is specified that National data should be included.

## 8.1 Supplementary Feeding Program

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
42	1. Mean length of stay (U5)	Average length of stay for U5 children who recovered	Sum number of days of admission for U5 children who recovered / Number U5 exits due to recovery	Days	< 2 months	
43	2. Admissions due to HIV/AIDS	Proportion of new admissions to SFP due to HIV/AIDS	Number of new admissions due to HIV/AIDS / Total number of new admissions x 100	%		
44	3. Admissions due to TB	Proportion of new admissions SFP due to TB	Number of new admissions due to TB / Total number of new admissions x 100	%		
45	4. Admissions to girls (U5)	Proportion of new admissions to SFP who are females U5	Number of new admissions to girls U5 / Total number of new admissions x100	%		
46	5. SFP use by Nationals	Proportion of all beneficiaries in SFP who are National	Number Nationals enrolled in SFP at end of month / Total at end of month (Refugee + National) x 100	%		
47	6. Death rate (U5)	Proportion of U5 exits from SFP due to death	Number of U5 deaths / Total number of U5 exits x 100	%	0%	Disaggregated by Refugee and National

48	7. Default rate (U5)	Proportion of U5 exits from SFP due to default	Number of U5 defaulters / Total number of U5 exits x 100	%	< 10%	Disaggregated by Refugee and National
49	8. Recovery rate (U5)	Proportion of U5 exits from SFP due to recovery	Number of U5 recovered / Total number of U5 exits x 100	%	> 90%	Disaggregated by Refugee and National
50	9. Coverage of SFP (U5)	Percentage of expected number of moderately malnourished children U5 who are enrolled in SFP	Number of U5 enrolled at end of the month / (Estimated moderate acute malnutrition rate x population U5) x 100	%	> 90%	
51	10. Coverage of SFP (pregnant and lactating)	Percentage of expected number of pregnant and lactating women who are enrolled in SFP	Number of pregnant and lactating in SFP at end of the month / Expected number of pregnant and lactating women in the camp	%		

## 8.2 Therapeutic Feeding Program

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
52	1. Mean length of stay (U5)	Average length of stay for U5 children who recovered	Sum number of days of admission for U5 children who recovered / Number U5 exits due to recovery	Days	< 30 days	
53	2. Average weight gain (U5)	Average number of grams that recovered children gained per kg per day of admission in TFP	Sum [(weight on exit - lowest weight recorded during recovery(g)) / lowest weight recorded during recovery (kg) x total number of days between exit and lowest weight recorded during recovery] / Number of recovered children	g / kg / day	> 8 g / kg / day	
54	3. Admissions due to kwashiorkor	Proportion of new admissions to TFP who have kwashiorkor	Number of new admissions due to kwashiorkor / Total number of new admissions x 100	%		
55	4. Admissions due to other	Proportion of new admissions TFP due to 'other' criteria	Number of new admissions due to 'other' criteria / Total number of new admissions x 100	%		
56	5. Admissions to girls (U5)	Proportion of new admissions to TFP who are females U5	Number of new admissions to girls U5 / Total number of new admissions x100	%		

57	6. TFP use by Nationals	Proportion of all beneficiaries in TFP who are National	Number Nationals enrolled in TFP at end of month / Total at end of month (Refugee + National) x 100	%		
58	7. Death rate (U5)	Proportion of U5 exits from TFP due to death	Number of U5 deaths / Total number of U5 exits x 100	%	0%	Disaggregated by Refugee and National
59	8. Default rate (U5)	Proportion of U5 exits from TFP due to default	Number of U5 defaulters / Total number of U5 exits x 100	%	< 10%	Disaggregated by Refugee and National
60	9. Recovery rate (U5)	Proportion of U5 exits from TFP due to recovery	Number of U5 recovered / Total number of U5 exits x 100	%	> 90%	Disaggregated by Refugee and National
61	10. Coverage of TFP (U5)	Percentage of expected number of severely malnourished children U5 who are enrolled in TFP	Number of U5 enrolled at end of the month / (Estimated severe acute malnutrition rate x population U5) x 100	%	> 90%	

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## 9.0 Reproductive Health

**Note**

All numerators and denominators refer to one camp over a one month time period.

All indicators refer to refugee data only, unless it is specified that National data should be included.

## 9.1 Antenatal Care

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
62	1. Timing of first antenatal visit	Percentage of first time antenatal visits that were made before 16 weeks gestation	Number of first time ANC visits made before 16 weeks / Total number of ANC visits recorded x 100	%		
63	2. Prevalence of syphilis	Percentage of ANC mothers that tested positive on Rapid Plasma Reagin testing	Number of ANC Mothers testing RPR positive in the camp / Total number of ANC mothers tested for RPR in the camp x 100	%		
64	3. Partner Tracing	Ratio of contacts of RPR positive cases treated to total number of RPR positive cases	Number of RPR positive contacts treated / Number of RPR positive cases x 100	%		
65	4. Abortion complication	Rate of complications of abortion* in population  <i>* Abortion defined as a spontaneous miscarriage before 22 weeks gestation</i>	Number of women treated for abortion complications in the camp / Total number of live births in the camp x 1000	/ 1000 live births / month		



66	5. Abortion complication among under 18s	Proportion of abortion complications among under 18s	Number of women under 18 treated for abortion complications in the camp / Total number treated for abortion complications in the camp x 100	%		
67	6. Antenatal care service use by Nationals	Proportion of total antenatal visits made by National mothers	Number of ANC visits made by a National mothers / Total number of ANC visits (Refugee + National) x 100	%		
68	7. Coverage of complete antenatal care	Proportion of ANC mothers who made at least 3 antenatal visits during pregnancy	Number of pregnant women who had made at least 3 antenatal visits at the time of delivery / Total number of live births x 100	%	100%	
69	8. Coverage of tetanus toxoid coverage	Proportion of ANC mothers who received 2 doses of tetanus toxoid (TT) vaccine during pregnancy	Number of pregnant women who had received 2 doses of TT (or were fully vaccinated) during the antenatal period at the time of delivery / Total number of live births x 100	%	100%	
70	9. Coverage of intermittent presumptive treatment for malaria	Proportion of ANC mothers who received 2 doses of fansidar (SP) prophylaxis during pregnancy	Number of pregnant women who had received two doses of SP during the antenatal period at the time of delivery / Total number of live births x 100	%	100%	

71	10. Coverage of syphilis screening	Proportion of ANC mothers who were screened for syphilis during pregnancy	Number of pregnant women who had been screened for syphilis during the antenatal period at the time of delivery / Total number of live births x 100	%	100%	
72	11. Coverage of deworming	Proportion of women who received one dose of mebendazole during pregnancy	Number of pregnant women who had received one dose of mebendazole during the antenatal period at the time of delivery / Total number of live births x 100	%	100%	
73	12. Coverage of mosquito net distribution	Proportion of ANC mothers who received one insecticide treated net (ITN) during pregnancy	Number of pregnant women who had received one ITN during the antenatal period at the time of delivery / Total number of live births x 100	%	100%	

## 9.2 Delivery Care

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
74	1. Crude birth rate	Rate of live births among the population	Number of live births in the camp / Total population x 1000	/ 1000 population / year		
75	2. Births attended by skilled health worker	<p>Proportion of births attended by skilled health worker*</p> <p><i>*Defined as doctors and/or persons with midwifery skills who can diagnose and manage obstetrical emergencies as well as normal deliveries.</i></p> <p><i>Traditional birth attendants (trained or untrained) are <b>not</b> included</i></p>	Number of deliveries attended by trained health workers / Number of deliveries x 100	%	100%	Deliveries are irrespective of outcome (live or still birth)
76	3. Births among under 18s	Proportion of deliveries among under 18s.	Number of deliveries among women under 18 / Number of live births x 100	%		
77	4. Deliveries at health centre	<p>Proportion of deliveries at a health centre*</p> <p><i>*Health centre includes maternity wards in the camp and government hospitals</i></p>	Number of deliveries in a health centre / Number of deliveries x 100	%		Deliveries are irrespective of outcome (live or still birth)

78	5. Stillbirth rate	Rate of still births* in proportion to number of births  <i>* Still birth defined as a fetal death after 22 weeks gestation</i>	Number of still births / Number of live births and stillbirths x 1000	/ 1000 total births / month		
79	6. Low birth weight newborns	Proportion of live births that were less than 2500 g	Number of live births < 2500g / Number of live births x 100	%	< 15%	
80	7. Timing of weighing of newborns	Proportion of newborns that were weighed with 72 hours of delivery	Number of newborns weighed within 72 hours of birth / Number of live births x 100	%	100%	
81	8. Delivery care service use by Nationals	Proportion of all live births that were to National mothers	Number of live births to National mother / Total number of live births (refugee and National) x 100	%		
82	9. Obstetric complication	Rate of obstetric complication in proportion to number of births  <i>* Defined as antepartum haemorrhage, post-partum haemorrhage, obstructed labour, pre-eclampsia, eclampsia or puerperal sepsis</i>	Number of obstetric complications reported / Number of live births in the camp x 1000	/ 1000 live births / month		
83	10. Obstetric complication among under 18s	Proportion of obstetric complication among under 18s.	Number of obstetric complication among women under 18 / Number of obstetric complications x 100	%		

### 9.3 Post natal Care

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
84	1. Postnatal care coverage	Proportion of women who received 3 postnatal visits within six weeks of delivery.	Number of women attended for post-natal care 3 times within 6 weeks of delivery / Number of live births x 100	%	100%	

## 9.4 Family Planning

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
85	1. Contraceptive Prevalence Rate	Proportion of women of reproductive age (15-49) who are using (or whose partner is using) a contraceptive method	Number of family planning acceptors (new and repeat) / Number of women 15-49 years x 100	%		
86	2. Under 18 contraceptive use	Proportion of total contraceptive users who are under 18	Number of family planning users under 18 (new and repeat) / Total number of family planning users (new and repeat) x 100	%		
87	3. Under 18 condom use	Proportion of total condom users who are under 18	Number of condom users under 18 (new and repeat) / Total number of condom users (new and repeat) x 100	%		
88	4. Under 18 drop out	Proportion of total drop outs from family planning who are under 18	Number of drop outs under 18 / Total number of drop outs x 100	%		
89	5. Family Planning service use by Nationals	Proportional family planning service use by Nationals	Number of National family planning users / Total number of family planning users (new and repeat; Refugee + National)	%		

## 9.5 Sexual and Gender-based Violence (SGBV)

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
90	1. Rape incidence	Rate at which rapes occur in the population	Number of rape cases reported / Total population x 1000	/ 1000 population / month		
91	2. Timing of ECP	Proportion of rape survivors who receive emergency contraceptive pill (ECP) within 120 hours of an incident occurring	Number of rape survivors who receive ECP within 120 hours of an incident / Total number of rape cases reported	%	100%	

## Health Information System (HIS)

### Standards and Indicators List

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## 10.0 HIV/AIDS

**Note**

All numerators and denominators refer to one camp over a one month time period.

All indicators refer to refugee data only, unless it is specified that National data should be included.

**Note**

For numerators and denominators in counselling and testing in VCT and PMTCT, it is assumed that each individual progresses consecutively through each stage of the counselling and testing process.

In other words, an individual who is tested for HIV is assumed to have had pre-test counselling; and an individual who is post-test counselled is assumed to have had pre-test counselling and testing.



## 10.1 Condom Distribution

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
92	1. Condom coverage	Rate of condom distribution among the population	Number of condoms distributed / Total population x 1000	/ 1000 population / month		

## 10.2 Voluntary Counselling and Testing

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
93	1. VCT uptake	Proportion of VCT clients, who were pre-test counselled, who accepted an HIV test	Number of VCT clients post-test counselled / Total number of VCT clients tested x 100	%		
94	2. HIV prevalence (VCT)	Proportion of VCT clients, who were tested for HIV, who were HIV positive	Number of VCT clients tested HIV positive / Total number of VCT clients tested x 100	%		
95	3. Post test counseling and result	Proportion of VCT clients, who were pre-test counselled and tested for HIV, who received post-test result and counselling	Number of VCT clients post-test counselled / Total number of VCT clients tested x 100	%		
96	4. VCT service use by Nationals	Proportion of Nationals who were pre-test counselled, out of the total number who were pre-test counseled in VCT	Number of Nationals pre-test counselled in VCT / Total number of VCT clients pre-test counselled (Refugee and National)	%		

### 10.3 PMTCT (Antenatal)

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
97	1. PMTCT Coverage	Proportion of first time ANC visits who were pre-test counselled, HIV tested and who received post-test result and counselling	Number of ANC visits post-test counselled / Total number of first time ANC visits	%		
98	2. PMTCT uptake	Proportion of ANC visits, who were pre-test counselled, who accepted a HIV test	Number of ANC visits post-test counselled / Total number of ANC visits tested x 100	%		
99	3. HIV prevalence (PMTCT)	Proportion of ANC visits, who were tested for HIV, who were HIV positive	Number of ANC visits tested HIV positive / Total number of ANC visits tested x 100	%		
100	4. Post test counseling and result	Proportion of ANC visits, who were pre-test counselled and tested for HIV, who received post-test result and counselling	Number of ANC visits post-test counselled / Total number of ANC visits tested x 100	%		

101	5. HIV prevalence (ANC partners)	Proportion of ANC partners, who were tested for HIV, who were HIV positive	Number of ANC partners tested HIV positive / Total number of ANC partners tested x 100	%		
102	6. Post test counseling and result (ANC partners)	Proportion of ANC partners, who were pre-test counselled and HIV tested, who received post-test result and counselling	Number of ANC partners post-test counselled / Total number of ANC partners tested x 100	%		
103	7. PMTCT service use by Nationals	Proportion of Nationals who were pre-test counselled, out of the total number who were pre-test counseled in PMTCT	Number of Nationals pre-test counselled in PMTCT / Total number of PMTCT clients pre-test counselled (Refugee and National)	%		

## 10.4 PMTCT (Labour and Delivery)

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
104	1. Nevirapine use (mother)	Proportion of HIV positive mothers who swallowed Nevirapine during labour/delivery	Number of HIV positive mothers who swallowed Nevirapine during labour/delivery / Total number HIV positive deliveries x 100	%		
105	2. Nevirapine use (infant)	Proportion of HIV positive infants who swallowed Nevirapine within 72 hours of delivery	Number of HIV positive infants who swallowed Nevirapine within 72 hours of delivery / Total number HIV positive deliveries x 100	%		
106	3. Nevirapine use (mother-infant pairs)	Ratio of mother-infant pairs that swallowed Nevirapine on time to the number of HIV positive deliveries	Number of mother-infant pairs who swallowed Nevirapine according to protocol / Total number HIV positive deliveries x 100	%		
107	4. HIV positive deliveries among Nationals	Proportion of HIV positive deliveries among National women	Number of HIV positive deliveries among Nationals / Total number HIV positive deliveries (Refugee + National) x 100	%		

## 10.5 PMTCT (Postnatal)

S/N	Indicator Name	Description	Formula	Unit of Measure	Standard	Remarks
108	1. Breastfeeding intention	Proportion of HIV positive mothers who plan to exclusively breastfeed after delivery	Number of HIV positive mothers who plan to exclusively breastfeed / Total number of HIV positive mothers x 100	%		
109	2. Home-based counselling	Proportion of HIV positive mothers who received at least one home-based counselling visit after delivery	Number of HIV positive mothers who received at least one home-based counselling visit after delivery / Total number of HIV positive mothers x 100	%		
110	3. Family Planning Acceptance	Proportion of HIV positive mothers who accepted a modern method of family planning after delivery	Number of HIV positive mothers who accepted a modern method of family planning after delivery / Total number of HIV positive mothers x 100	%		