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# MINISTRY OF HEALTH MALAWI NATIONAL HEALTH INDICATORS

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Draft version



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CENTRAL MONITORING AND EVALUATION DIVISION (CMED)  
Ministry of Health, Malawi

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### Naming convention

- Indicators begin with an abbreviation in line with the data custodian, i.e. the programme or department in charge of the indicator, e.g. TB for tuberculosis indicators; followed by a two digit figure 00-99; followed by the initial 'N' for National Health Indicators or 'P' for Programme-level indicators. For example TB01N would imply tuberculosis indicator no. 01 and it is a National Health Indicators.
- Where an indicator is calculated based on both health facility data and survey data, the same sequential number 00-99 is used; however, a subordinate number is used to differentiate the two. For example, RHD02.1N and RHD02.2N would imply the same RHD indicator, with the difference that one is computed as a proxy using health facility data and the other using survey data.

DRAFT

**1 Administration indicators**

Unique identifier	ADM01P
Indicator name	Maintenance of assets registers
Definition	Percentage of assets properly documented in the assets register by 31st July of preceeding financial year
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of assets properly documented in the assets register by 31st July of preceeding financial year
Numerator reporting form	To be developed
Denominator	Total number of assets assessed
Denominator reporting form	Assets register and inventory sheets
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Cost center (District, Central hospitals, Zones, HQ)
Reporting frequency	Annual
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Administration

**MOH Malawi – National Health Indicators**

Unique identifier	ADM02P
Indicator name	Vehicle maintenance
Definition	Percentage of vehicles with an up to date service history in line with service recommendation
Disaggregation	type of vehicle (ambulances, other vehicles)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	-
Global comparable source	-
Numerator	Number of vehicles with an up to date service history in line with service recommendation
Numerator reporting form	To be developed
Denominator	Total number of vehicles assessed
Denominator reporting form	Vehicle file
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Cost center (District, Central hospitals, Zones, HQ)
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Administration

**MOH Malawi – National Health Indicators**

Unique identifier	ADM03P
Indicator name	Vehicle condition (status)
Definition	Percentage of vehicles that are classified as runners at the time assessment
Disaggregation	type of vehicle (ambulances, other vehicles); vehicle state (repairable, non-repairable)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	-
Global comparable source	-
Numerator	Number of vehicles that are classified as runners at the time assessment
Numerator reporting form	To be developed
Denominator	Total number of vehicles assessed
Denominator reporting form	To verify
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Cost center (District, Central hospitals, Zones, HQ)
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	-
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Administration

**MOH Malawi – National Health Indicators**

Unique identifier	ADM04P
Indicator name	Audit recommendations satisfactorily resolved
Definition	Percentage of audit recommendations satisfactorily resolved as determined by the Internal Audit Committee
Disaggregation	Cost center (District, Central hospitals, Zones, HQ)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of audit recommendations satisfactorily resolved as determined by the Internal Audit Committee
Numerator reporting form	To be developed
Denominator	Total number of audit recommendations made
Denominator reporting form	Audit recommendations log (to be designed)
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	National
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Administration

## 2 Acute respiratory infection (ARI) indicators

Unique identifier	ARI01N
Indicator name	Pneumonia incidence rate (under-five)
Definition	Proportion of under 5 children admitted at the health facility with pneumonia per 1000 population
Disaggregation	<5
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Percentage of children under age five with symptoms of pneumonia taken to a health care provider
Global comparable source	<a href="http://data.unicef.org/child-health/pneumonia#sthash.EBvUUrZG.dpuf">http://data.unicef.org/child-health/pneumonia#sthash.EBvUUrZG.dpuf</a>
Numerator	Number of new under 5 (years) treated for pneumonia
Numerator reporting form	Monthly report on cases of pneumonia; HMIS 15, Village clinic reports;
Denominator	Estimated midyear under five population
Denominator reporting form	Populatio projection
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Acute Respiratory Infections Unit



**MOH Malawi – National Health Indicators**

Unique identifier	ARI02N
Indicator name	Pneumonia case-fatality rate (under-five)
Definition	Percentage of deaths among clinically confirmed pneumonia cases among children under five
Disaggregation	<5, 5+
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of clinically confirmed deaths due to pneumonia among children under five
Numerator reporting form	Monthly report on cases of pneumonia;
Denominator	Total number of under 5 children admitted with pneumonia
Denominator reporting form	Admission register; HMIS15
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Acute Respiratory Infections Unit

**MOH Malawi – National Health Indicators**

Unique identifier	ARI03N
Indicator name	Proportion of under 5 years children admitted with emergency signs that died
Definition	Children under 5 years presenting with danger signs at the health facility as a percentage of under 5 children admitted. Emergency signs include air way / breathing, shock, coma, convulsions, severe dehydration.
Disaggregation	Emergency sign (air way / breathing, shock, coma, convulsions, severe dehydration) time of death (within 24hrs, after 24hrs)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of children under 5 years admitted with emergency sign(s) that died
Numerator reporting form	Monthly reporting form for children with emergency signs; Emergency triage assessment tool
Denominator	Number of children under 5 years admitted with emergency sign(s)
Denominator reporting form	Monthly reporting form for children with emergency signs; Emergency triage assessment tool
Method of calculation	Numerator / Denominator
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Acute Respiratory Infections Unit

**MOH Malawi – National Health Indicators**

Unique identifier	ARI04P
Indicator name	Care seeking for pneumonia
Definition	Percentage of children aged 0–59 months who had “suspected pneumonia (cough and difficult breathing NOT due to a problem in the chest and a blocked nose)” (ARI) in the previous 2 weeks and were taken to an appropriate health-care provider.
Disaggregation	None;
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of children aged 0–59 months who had “suspected pneumonia” (ARI) in the previous 2 weeks and were taken to an appropriate health-care provider.
Numerator reporting form	
Denominator	Under five population
Denominator reporting form	
Method of calculation	
Lowest level of aggregation	
Reporting frequency	5 years
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Acute Respiratory Infections Unit

### 3 Child health indicators

Unique identifier	CHD01.1N
Indicator name	Vitamin A supplementation coverage (HMIS-based)
Definition	Percentage of children 6–59 months who received at least one age-appropriate dose of vitamin A in the past 6 months
Disaggregation	Age: 6-59 months
IHB 2003	57
HSSP 2011-2016	No
Global Comparable	(same) -or- Percent of children ages 6-59 months old who received at least two doses of vitamin A in the previous year
Global comparable source	
Numerator	Number of children 6 to 59 months old given at least one dose of vitamin A supplements in the past six months
Numerator reporting form	Health facility monthly vaccination performance and disease surveillance report
Denominator	Estimated midyear population of 6 to 59 month olds
Denominator reporting form	Population Projection
Method of calculation	Numerator/Denominator*100
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	National
Notes for interpretation	
Custodian	Child Health

**MOH Malawi – National Health Indicators**

Unique identifier	CHD01.2N
Indicator name	Vitamin A supplementation coverage (survey-based)
Definition	Percentage of children 6–59 months who received at least one age-appropriate dose of vitamin A in the past 6 months
Disaggregation	Age: 6-59 months
IHB 2003	57
HSSP 2011-2016	No
Global Comparable	(same) -or- Percent of children ages 6-59 months old who received at least two doses of vitamin A in the previous year
Global comparable source	
Numerator	Number of living children 6 to 59 months who received vitamin A supplements in the six months preceding the interview
Numerator reporting form	Survey
Denominator	Number of living children 6 to 59 months of age.
Denominator reporting form	Survey
Method of calculation	$\text{Numerator/Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	National
Notes for interpretation	
Custodian	Child Health

**MOH Malawi – National Health Indicators**

Unique identifier	CHD02N
Indicator name	Children under five years of age with diarrhoea receiving oral rehydration salts (ORS) packets
Definition	Percentage of children under five with diarrhoea in the past two weeks receiving oral rehydration salts (ORS) packets
Disaggregation	
IHB 2003	60
HSSP 2011-2016	No
Global Comparable	(same)
Global comparable source	Global Health Observatory <a href="http://apps.who.int/gho/indicatorregistry/App_Main/view_indicator.aspx?iid=71">http://apps.who.int/gho/indicatorregistry/App_Main/view_indicator.aspx?iid=71</a>
Numerator	Number of children under five years with diarrhoea in the past two weeks receiving ORS
Numerator reporting form	
Denominator	Estimated midyear population of children under 5
Denominator reporting form	DHS
Method of calculation	Numerator/Denominator*100
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	National
Notes for interpretation	
Custodian	Child Health

**MOH Malawi – National Health Indicators**

Unique identifier	CHD03N
Indicator name	Diarrhoea cases among children under five years
Definition	Diarrhoea cases of children under 5 years, as reported in health facilities
Disaggregation	<5; health facility; community;
IHB 2003	60
HSSP 2011-2016	No
Global Comparable	Percentage of children under five years of age with diarrhea taken to a health provider
Global comparable source	Global Health Observatory <a href="http://apps.who.int/gho/indicatorregistry/App_Main/view_indicator.aspx?iid=71">http://apps.who.int/gho/indicatorregistry/App_Main/view_indicator.aspx?iid=71</a>
Numerator	Diarrhoea cases among children under five years
Numerator reporting form	Health facility: IMCI Report Community: Village clinic report (form 1b)
Denominator	-
Denominator reporting form	-
Method of calculation	Count
Lowest level of aggregation	District
Reporting frequency	5 Years
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	National
Notes for interpretation	Because data is collected in villages as well as facilities, and because diarrhea may be experienced frequently, there is a risk of duplication.
Custodian	Child Health

**MOH Malawi – National Health Indicators**

Unique identifier	CHD04P
Indicator name	Under 5 diarrhoea death rate
Definition	Diarrhoea cases of children under 5 years
Disaggregation	<5
IHB 2003	61
HSSP 2011-2016	No
Global Comparable	
Global comparable source	
Numerator	Number of U5 deaths due to diarrhoea
Numerator reporting form	
Denominator	Number of new diarrhoea cases among children under 5
Denominator reporting form	Admission Register, Discharge Register
Method of calculation	Numerator / Denominator * 1000
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Child Health



**MOH Malawi – National Health Indicators**

Unique identifier	CHD05.1N
Indicator name	Percentage of under 1 year-old children fully immunized (survey-based)
Definition	Proportion of children who received all required under-one vaccinations: tuberculosis (BCG), Rotavirus vaccine, three doses of Pentavalent vaccine, at least three doses of polio vaccine, one dose of measles vaccine, and the PCV vaccine (?), during the fir
Disaggregation	Age: Under 1; Vaccine: BCG, Rotavirus, Penta III, Polio III, Measles, PCV (?)
IHB 2003	NE
HSSP 2011-2016	12
Global Comparable	
Global comparable source	
Numerator	Total number of children under one year who have received all required under-one vaccinations: tuberculosis (BCG), Rotavirus vaccine, three doses of Pentavalent vaccine, at least three doses of polio vaccine, one dose of measles vaccine, and the PCV vacci
Numerator reporting form	
Denominator	Total number of under-one children surveyed
Denominator reporting form	DHS survey
Method of calculation	Numerator / Denominator
Lowest level of aggregation	District
Reporting frequency	5 Years
Global 100	Yes
Global 100 domain	Service coverage: Immunisation
NHI or Program	National
Notes for interpretation	
Custodian	Child Health

MOH Malawi – National Health Indicators

Unique identifier	CHD05.2N
Indicator name	Percentage of under 1 year-old children fully immunized (health facility-based)
Definition	Proportion of children who received a vaccination against tuberculosis (BCG); Rotavirus vaccine, three doses of Penta III vaccine; at least three doses of polio vaccine; and one dose of measles vaccine during the first year of life.
Disaggregation	Age: Under 1; Vaccine: BCG, Penta III, PCV, Measles1,Rota and Polio Vaccine
IHB 2003	NE
HSSP 2011-2016	12
Global Comparable	
Global comparable source	
Numerator	Total number of under 1 children who have received BCG, Penta III, 3 doses of Polio and 1 dose of measles
Numerator reporting form	Health facility: IMCI Report Community: Village clinic report (form 1b)
Denominator	Estimated under one Midyear population
Denominator reporting form	Population Projection
Method of calculation	Numerator/Denominator *100
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Child Health

MOH Malawi – National Health Indicators

Unique identifier	CHD06P
Indicator name	Immunization coverage rate, by vaccine for each vaccine in the national schedule
Definition	Percentage of children age 12-59 months at the time of the survey who received specific vaccines by 12 months of age, and percentage with a vaccination card, by current age of child
Disaggregation	Age: Under 1; Vaccine: BCG, Penta III/DPT, Polio
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Immunization coverage rate, by vaccine for each vaccine in the national schedule
Global comparable source	Global Core List of 100 Indicators
Numerator	Total number of under 1 children who have received BCG, Penta III/DPT, 3 doses of Polio
Numerator reporting form	
Denominator	Total number of children under 1 surveyed
Denominator reporting form	DHS survey
Method of calculation	Numerator/Denominator *100
Lowest level of aggregation	District
Reporting frequency	5 Years
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Child Health

**MOH Malawi – National Health Indicators**

Unique identifier	CHD07N
Indicator name	Neonatal mortality rate (NMR) (survey-based)
Definition	Number of deaths during the first 28 completed days of life per 1000 live births in a given period.
Disaggregation	Age: <= 7 days, >7 days; Sex
IHB 2003	106
HSSP 2011-2016	2
Global Comparable	(same)
Global comparable source	
Numerator	Number of infants who died during the first 28 days of life
Numerator reporting form	
Denominator	Total number of live births in the same period
Denominator reporting form	DHS
Method of calculation	Numerator / Denominator * 1,000
Lowest level of aggregation	District
Reporting frequency	5 years
Global 100	Yes
Global 100 domain	Health status: Mortality by age and sex
NHI or Program	National
Notes for interpretation	
Custodian	Child Health

**MOH Malawi – National Health Indicators**

Unique identifier	CHD08N
Indicator name	Institutional neonatal mortality rate (HMIS-based)
Definition	Number of deaths, as reported in HMIS, during the first 28 completed days of life per 1000 live births, as reported in HMIS, in a given period.
Disaggregation	Age: <= 7 days, > 7 days
IHB 2003	106
HSSP 2011-2016	2
Global Comparable	(same)
Global comparable source	
Numerator	Number of infants who died during the first 28 days of life
Numerator reporting form	Maternity Monthly Report (Maternity Register)
Denominator	Total number of live births recorded in the same period
Denominator reporting form	Maternity register
Method of calculation	Numerator / Denominator * 1,000
Lowest level of aggregation	Health facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Child Health

**MOH Malawi – National Health Indicators**

Unique identifier	CHD09N
Indicator name	Infant mortality rate (IMR)
Definition	Probability of a child born in a specific year or period dying before reaching the age of one year, if subject to age-specific mortality rates of that period.
Disaggregation	Sex; Age: Neonatal, Postneonatal
IHB 2003	107
HSSP 2011-2016	3
Global Comparable	Probability of a child born in a specific year or period dying before reaching the age of one, if subject to age-specific mortality rates of that period.
Global comparable source	Indicators for monitoring MDG;
Numerator	Number of infants who died before their first birthday
Numerator reporting form	
Denominator	Total number of live births
Denominator reporting form	DHS
Method of calculation	$\text{Numerator} / \text{Denominator} * 1,000$
Lowest level of aggregation	District
Reporting frequency	5 years
Global 100	Yes
Global 100 domain	Health status: Mortality by age and sex
NHI or Program	National
Notes for interpretation	
Custodian	Child Health

**MOH Malawi – National Health Indicators**

Unique identifier	CHD10N
Indicator name	Under-five mortality rate (U5MR)
Definition	Probability of a child born in a specific year or period dying before reaching the age of five, if subject to age-specific mortality rates of that period.
Disaggregation	Sex;
IHB 2003	108
HSSP 2011-2016	4
Global Comparable	Probability of a child born in a specific year or period dying before reaching the age of five, if subject to age-specific mortality rates of that period.
Global comparable source	<a href="http://data.worldbank.org/indicator/SH.DYN.MORT">http://data.worldbank.org/indicator/SH.DYN.MORT</a> or <a href="http://mdgs.un.org/unsd/mdg/Metadata.aspx?IndicatorId=0&amp;SeriesId=561">http://mdgs.un.org/unsd/mdg/Metadata.aspx?IndicatorId=0&amp;SeriesId=561</a>
Numerator	Number of deaths of children under five years
Numerator reporting form	
Denominator	Total number of live births
Denominator reporting form	DHS
Method of calculation	$\text{Numerator} / \text{Denominator} * 1,000$
Lowest level of aggregation	District
Reporting frequency	5 years
Global 100	Yes
Global 100 domain	Health status: Mortality by age and sex
NHI or Program	National
Notes for interpretation	
Custodian	Child Health

#### 4 Clinical services indicators

Unique identifier	CLIN01P
Indicator name	Supervision of District Health Offices (DHOs) by Zonal Officers using the integrated supervision checklist
Definition	Percentage of DHOs supervised by Zonal Officers using the integrated supervision checklist
Disaggregation	None
IHB 2003	14
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of District Health Offices supervised per quarter
Numerator reporting form	Integrated Supportive Supervision Dashboard
Denominator	Total Number of District Health Offices in the catchment
Denominator reporting form	HMIS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100\%$
Lowest level of aggregation	Zone
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Clinical Services



**MOH Malawi – National Health Indicators**

Unique identifier	CLIN02P
Indicator name	Supervision of health facilities by the DHMT using the integrated supportive supervision checklist
Definition	Percentage of health facilities supervised by DHMT members using the integrated supportive supervision checklist
Disaggregation	Facility type (public facilities, CHAM, other private health facilities)
IHB 2003	15
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of health facilities supervised by DHMT per quarter
Numerator reporting form	Integrated Supportive Supervision Dashboard
Denominator	Total Number of health facilities in the district
Denominator reporting form	HMIS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100\%$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Clinical Services

**MOH Malawi – National Health Indicators**

Unique identifier	CLIN03N
Indicator name	Client satisfaction with health services
Definition	Percentage of clients visiting health facilities that are satisfied with health services (by gender, rural/urban)
Disaggregation	Health facility type (Central hospitals, District hospitals, Community / Rural hospitals, Health centers, clinics); facility ownership (public, private)
IHB 2003	18
HSSP 2011-2016	20
Global Comparable	
Global comparable source	
Numerator	Total number of clients who are satisfied with health services
Numerator reporting form	To be developed
Denominator	Total number of clients surveyed
Denominator reporting form	To be developed
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	District
Reporting frequency	To be determined
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Clinical Services

**MOH Malawi – National Health Indicators**

Unique identifier	CLIN04.1P
Indicator name	Client's average waiting time at the Outpatient's Department
Definition	The average waiting time per client (in minutes) from the time they arrive at the Outpatient's Department to the time they are attended to (excluding Emergency Medical Services Department)
Disaggregation	None
IHB 2003	19
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Time (in minutes) taken by all clients surveyed, from the time they arrive the OPD Department to when they are attended to
Numerator reporting form	To be developed
Denominator	Total number of clients surveyed
Denominator reporting form	To be developed
Method of calculation	Numerator / Denominator
Lowest level of aggregation	To be determined
Reporting frequency	Annually
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Clinical Services

**MOH Malawi – National Health Indicators**

Unique identifier	CLIN04.2N
Indicator name	The golden rule principle for Emergency Medical Services Department
Definition	The time taken by an injured client from incidence to assistance in the Emergency Medical Service Department of a health facility
Disaggregation	Time sections (decision to seek help, incidence to health facility, encounter at health facility to being attended to)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Time (in minutes) taken by all clients surveyed, from the time of incidence to the time are attended to at the Emergency Services Department
Numerator reporting form	To be developed
Denominator	Total number of clients surveyed
Denominator reporting form	To be developed
Method of calculation	Numerator / Denominotr
Lowest level of aggregation	To be determined
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Clinical Services

**MOH Malawi – National Health Indicators**

Unique identifier	CLIN05.1N
Indicator name	Bed occupancy rate (put on hold for the moment)
Definition	
Disaggregation	Hospital type (Central hospital, District hospital); Ward type for district hospitals (male, female, paediatrics, maternity, HDU); Ward type for central hospitals (Medical, Surgical, Obs-Gyn, Quarantine wards, Orthopedics); Client type for central hosp
IHB 2003	20
HSSP 2011-2016	34
Global Comparable	
Global comparable source	<a href="https://www.hfgproject.org/wp-content/uploads/2014/10/04-Data-for-Efficiency-A-Tool-for-Assessing-Health-Systems-Resource-Use-Efficiency.pdf">https://www.hfgproject.org/wp-content/uploads/2014/10/04-Data-for-Efficiency-A-Tool-for-Assessing-Health-Systems-Resource-Use-Efficiency.pdf</a> (not very good reference though)
Numerator	Total number of inpatient days for a given period
Numerator reporting form	HMIS-15 reporting form
Denominator	Available beds X number of days in the period
Denominator reporting form	
Method of calculation	$\text{Occupancy rate} = \frac{\text{Total number of inpatient days for a given period} \times 100}{\text{Available beds} \times \text{Number of days in the period}}$
Lowest level of aggregation	Health facility ward
Reporting frequency	Monthly
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Clinical Services

**MOH Malawi – National Health Indicators**

Unique identifier	CLIN06N
Indicator name	EHP Coverage (% of facilities able to deliver EHP services)
Definition	
Disaggregation	
IHB 2003	
HSSP 2011-2016	5
Global Comparable	
Global comparable source	
Numerator	Number of facilities meeting EHP standard
Numerator reporting form	
Denominator	Total number of health facilities to provide EHP
Denominator reporting form	HF annual census
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Clinical Services

MOH Malawi – National Health Indicators

Unique identifier	CLIN07N
Indicator name	Outpatient service utilization (OPD visits per 10,000 population)
Definition	Number of outpatient department visits per 10 000 population per year
Disaggregation	<5 yrs, 5 yrs and above
IHB 2003	
HSSP 2011-2016	26
Global Comparable	The number of outpatient visits to health facilities relative to the total population of the same geographical area
Global comparable source	<a href="http://www.who.int/healthinfo/systems/WHO_MBHSS_2010_full_web.pdf">http://www.who.int/healthinfo/systems/WHO_MBHSS_2010_full_web.pdf</a>
Numerator	the number of visits to health facilities for outpatient department care, not including immunization
Numerator reporting form	
Denominator	the total population for the same geographical area
Denominator reporting form	Estimation
Method of calculation	$(\# \text{ of OPD visits} - \# \text{ OPD visits for immunisation} - \# \text{ OPD visits admitted}) * 10,000 / \text{total population}$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Clinical Services

**MOH Malawi – National Health Indicators**

Unique identifier	CLIN08P
Indicator name	Distribution of OPD diagnoses at district hospitals and lower facilities, according to available DHIS data
Definition	
Disaggregation	health facility type(district hospital, community / rural hospitals, health centers, clinics)
IHB 2003	99
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	Number of diagnoses in each category of diseases
Numerator reporting form	
Denominator	Total OPD cases reviewed
Denominator reporting form	OPD Register
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Clinical Services



**MOH Malawi – National Health Indicators**

Unique identifier	CLIN09N
Indicator name	Distribution of cause of inpatient deaths, according to available DHIS data
Definition	
Disaggregation	
IHB 2003	101
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	Number of deceased cases in each disease category, grouped by EHP
Numerator reporting form	
Denominator	Number of deceased cases
Denominator reporting form	Ward Register
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Clinical Services

**MOH Malawi – National Health Indicators**

Unique identifier	CLIN10
Indicator name	Neonatal resuscitation on death asphyxia
Definition	Percent of asphyxiated neonates who are successfully resuscitated
Disaggregation	
IHB 2003	
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	Number of newborns successfully resuscitated
Numerator reporting form	Helping Babies Breathe report (ideally Maternity Register)
Denominator	Number of newborns asphyxiated
Denominator reporting form	Helping Babies Breathe report (ideally Maternity Register)
Method of calculation	
Lowest level of aggregation	
Reporting frequency	
Global 100	
Global 100 domain	
NHI or Program	
Notes for interpretation	
Custodian	Clinical Services

**MOH Malawi – National Health Indicators**

Unique identifier	CLIN11
Indicator name	Ten most frequent causes of EMS (Emergency Medical Services) department visits in Central Hospitals
Definition	
Disaggregation	Health facility type (Central Hospitals)
IHB 2003	
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	
Numerator reporting form	
Denominator	
Denominator reporting form	
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	
Global 100 domain	
NHI or Program	
Notes for interpretation	
Custodian	Clinical Services

5 Central Monitoring and Evaluation Division indicators

Unique identifier	CMED01N
Indicator name	Reporting rates
Definition	Percentage of expected reports that are in DHIS within three months of due date
Disaggregation	Facility type (Primary, Secondary, Tertiary); Managing authority (Public, Private, CHAM)
IHB 2003	12
HSSP 2011-2016	NE
Global Comparable	Percentage of facilities that submit reports within the required deadline
Global comparable source	Global core list of 100 indicators
Numerator	Total number of reports that are in DHIS within three months of due date
Numerator reporting form	DHIS Reporting Rates
Denominator	Total number of reports expected in the period
Denominator reporting form	DHIS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health Facility
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health systems: Health information
NHI or Program	National
Notes for interpretation	
Custodian	CMED

**MOH Malawi – National Health Indicators**

Unique identifier	CMED02N
Indicator name	Timeliness of reports
Definition	Percentage of expected reports that are submitted in DHIS by due date
Disaggregation	Facility type (Primary, Secondary, Tertiary); Managing authority (Public, Private, CHAM)
IHB 2003	12
HSSP 2011-2016	33
Global Comparable	Percentage of facilities that submit reports within the required deadline
Global comparable source	Global core list of 100 indicators
Numerator	Number of expected reports that are submitted in DHIS by due date
Numerator reporting form	DHIS Reporting Rates
Denominator	Total number of reports expected in the period
Denominator reporting form	DHIS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health Facility
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health systems: Health information
NHI or Program	National
Notes for interpretation	
Custodian	CMED

**MOH Malawi – National Health Indicators**

Unique identifier	CMED03P
Indicator name	Availability of HMIS bulletins
Definition	Percentage of HMIS bulletins published within three months of period end
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of HMIS bulletins published within three months of period end
Numerator reporting form	Not applicable
Denominator	Total number of HMIS bulletins expected in the period
Denominator reporting form	Not applicable
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	CMED

**MOH Malawi – National Health Indicators**

Unique identifier	CMED04P
Indicator name	Evaluation of Programs and Departments
Definition	Percentage of Programs and Departments evaluated and given feedback
Disaggregation	Evaluation level (Program, Department)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of programs and departments evaluated in a year
Numerator reporting form	
Denominator	Total number of programs and departments selected for evaluation in the year
Denominator reporting form	CMED
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	CMED

6 Department of Health Technical Support Services – Pharmacy (DHTSS-P) indicators

Unique identifier	DHTSSP01P
Indicator name	LMIS Reporting Rate
Definition	Percentage of health facilities providing public health services that submit logistics report using the national LMIS form
Disaggregation	No
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	MSH Drug Supply - Managing drug supplies publication (logistics bible)
Numerator	Number of health facilities providing public health services that submit logistics report using the national LMIS form
Numerator reporting form	LMIS Report
Denominator	Number of health facilities providing public health services
Denominator reporting form	Register of health facilities in Malawi
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	DHTSS Pharmaceuticals



## MOH Malawi – National Health Indicators

Unique identifier	DHTSSP02N
Indicator name	Stock outs of essential tracer items
Definition	Percentage of health facilities with stock outs of tracer items (TT vaccine, LA (Lumefantrine Artemether), Oxytocin, ORS, Cotrim-oxazole, Diazepam Inj., All Rapid HIV Test kits, TB Essential Medicines, Magnesium Sulphate, Gentamicin, Metronidazole, Ampici
Disaggregation	Disaggregation per item (TT vaccine, LA (Lumefantrine Artemether), Oxytocin, ORS, Cotrim-oxazole, Diazepam Inj., All Rapid HIV Test kits, TB Essential Medicines, Magnesium Sulphate, Gentamicin, Metronidazole, Ampicillin, Benzyl penicillin, Safe Blood, RDT
IHB 2003	23
HSSP 2011-2016	30
Global Comparable	
Global comparable source	
Numerator	Number of health facilities with stock outs of tracer items per item in the reporting period
Numerator reporting form	LMIS Report
Denominator	Total number of health facilities reporting
Denominator reporting form	
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	DHTSS Pharmaceuticals

### 7 Department of Planning and Policy Development (DPPD) indicators

Unique identifier	DPPD01N
Indicator name	Health sector funding gap
Definition	Percentage of forecasted need that is budgeted
Disaggregation	type of health sector (government, donor); cost center level (central, central hospitals, districts)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total budget

**MOH Malawi – National Health Indicators**

Numerator reporting form	Resource mapping report
Denominator	Total forecasted need for the period
Denominator reporting form	HSSP Costing Exercise
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	Cost Center
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Planning Department

DRAFT

MOH Malawi – National Health Indicators

Unique identifier	DPPD02N
Indicator name	Fulfilment of treasury funding obligation for MOH
Definition	Percentage of vote 310 (MOH) budget that is funded by Treasury
Disaggregation	Cost center level (central, central hospitals, districts); Type of budget( ORT (Other recurrent transactions), PE (Personal emoluments), Development)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total vote 310 budget that is disbursed by Treasury
Numerator reporting form	Not applicable
Denominator	Total vote 310 budget for the period
Denominator reporting form	Vote 310 budget
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	Cost Center
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Planning Department

**MOH Malawi – National Health Indicators**

Unique identifier	DPPD03N
Indicator name	Government budget allocation to the public health sector
Definition	Percentage of Government of Malawi budget allocated to health sector
Disaggregation	None
IHB 2003	1
HSSP 2011-2016	38
Global Comparable	
Global comparable source	
Numerator	Government of Malawi budget allocated to the public health sector
Numerator reporting form	Not applicable
Denominator	Government of Malawi budget
Denominator reporting form	GoM Annual Budget
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	National
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Planning Department

**MOH Malawi – National Health Indicators**

Unique identifier	DPPD04N
Indicator name	Total health expenditure per capita (GoM and Health Development Partners)
Definition	The sum of GOM and Health Development Partners' health expenditures as a ratio of total population
Disaggregation	Source of funding (GOM, HDPs)
IHB 2003	2
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	Government and bilateral partners' total health sector expenditure
Numerator reporting form	Not applicable
Denominator	Total population
Denominator reporting form	NSO
Method of calculation	Numerator / Denominator
Lowest level of aggregation	National
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Planning Department

**MOH Malawi – National Health Indicators**

Unique identifier	DPPD05P
Indicator name	Total health sector budget allocation per capita (GoM and bilaterals)
Definition	Total health sector budget allocation as a ratio of total population
Disaggregation	None
IHB 2003	
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	Total health sector budget allocation
Numerator reporting form	Not applicable
Denominator	Total population
Denominator reporting form	NSO
Method of calculation	Numerator / Denominator
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Planning Department

## 8 Environmental health indicators

Unique identifier	ENVT01N
Indicator name	Percentage of households with access to improved water source
Definition	MOH Malawi definition: DHS definition: Improved water sources refer to a household connection (piped), public standpipe, tube well or borehole, protected dug well, and protected spring or rainwater.
Disaggregation	Population: rural, urban;
IHB 2003	25
HSSP 2011-2016	22
Global Comparable	
Global comparable source	
Numerator	Number of households with access to improved water source
Numerator reporting form	Water, Sanitation and Hygiene Reporting Form at district level
Denominator	Total number of households in the catchment area
Denominator reporting form	HMIS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Bi-annual
Global 100	Yes
Global 100 domain	Risk factors: Environmental
NHI or Program	National
Notes for interpretation	
Custodian	Environmental Health (Water and Sanitation)

**MOH Malawi – National Health Indicators**

Unique identifier	ENVT02N
Indicator name	Percentage of households with access to improved sanitation (HMIS-based)
Definition	Percentage of households with access to sanitation, at least a sanplat latrine (a latrine slab, i.e. sanitation platform), an improved latrine (impermeable floor with drop hole cover), flush toilet, or composting toilet (ecosan).
Disaggregation	Population: rural, urban; Improved latrine type (sanplat, impermeable floor with drop hole cover, flush toilet, composting toilet (ecosan))
IHB 2003	26
HSSP 2011-2016	21
Global Comparable	
Global comparable source	Global core list of 100 indicators
Numerator	Total number of households with access to improved sanitation
Numerator reporting form	Water, Sanitation and Hygiene Reporting Form at district level
Denominator	Total number of households in the catchment area
Denominator reporting form	Projection
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Bi-annual
Global 100	Yes
Global 100 domain	Risk factors: Environmental
NHI or Program	National
Notes for interpretation	
Custodian	Environmental Health (Water and Sanitation)



**MOH Malawi – National Health Indicators**

Unique identifier	EVNT03N
Indicator name	Percentage of households with access to improved sanitation (survey-based)
Definition	Percentage of households with access to a connection to a public sewer, connection to a septic system, pour flush latrine, simple pit latrine with a slab, or ventilated, improved pit latrine.
Disaggregation	Region: South, Central and North
IHB 2003	26
HSSP 2011-2016	21
Global Comparable	
Global comparable source	Global core list of 100 indicators
Numerator	Total number of households with access to improved sanitation
Numerator reporting form	
Denominator	Total number of households in the catchment area
Denominator reporting form	DHS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	5 Years
Global 100	Yes
Global 100 domain	Risk factors: Environmental
NHI or Program	National
Notes for interpretation	
Custodian	Environmental Health (Water and Sanitation)

**MOH Malawi – National Health Indicators**

Unique identifier	ENVT04P
Indicator name	Overburdened Health Surveillance Assistants
Definition	Percentage of Health Surveillance Assistants (HSAs) serving a population of more than 1,000 people
Disaggregation	District
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of HSAs in the catchment area serving more than 1,000 people
Numerator reporting form	Primary Health Care reporting form (to be developed)
Denominator	Total number of HSAs in the catchment area
Denominator reporting form	HMIS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health facility
Reporting frequency	Bi-annual
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Environmental Health

**MOH Malawi – National Health Indicators**

Unique identifier	ENVT05P
Indicator name	Gap analysis of HSAs at district level
Definition	Number of HSAs required in a district so that each HSA serves a population of no more than 1,000 people
Disaggregation	District
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Required HSAs in a district (total population divided by 1,000) minus the current number of HSAs
Numerator reporting form	Primary Health Care reporting form (to be developed)
Denominator	
Denominator reporting form	HMIS
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Bi-annual
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Environmental Health

**MOH Malawi – National Health Indicators**

Unique identifier	ENVT06N
Indicator name	Percentage of health facilities satisfying health centre waste management standards
Definition	Percentage of health facilities with a refuse pit, functional incinerator, placenta pit, toilets, hand washing facilities, and rubbish collection bins
Disaggregation	None
IHB 2003	
HSSP 2011-2016	19
Global Comparable	
Global comparable source	
Numerator	Total number of health facilities in the catchment area that meet waste management standards
Numerator reporting form	EHS reporting tool
Denominator	Total Number of Health facilities in the catchment area
Denominator reporting form	HMIS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Environmental Health

MOH Malawi – National Health Indicators

Unique identifier	ENVT07P
Indicator name	Incoming travelers suspected of a notifiable disease
Definition	Number of incoming travelers suspected of a notifiable disease
Disaggregation	IDSR: Measles, Sleeping Sickness, Neonatal tetnus, VHF(Ebola, Lift valley fever), Cholera, Yellow fever, Shigella, Bacterial Menigitis, typhoid fever and plague
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of incoming travelers suspected of a notifiable disease
Numerator reporting form	Port Health Services Reporting Form
Denominator	
Denominator reporting form	
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Environmental health (disease Control Port)

**MOH Malawi – National Health Indicators**

Unique identifier	ENVT08P
Indicator name	Vector Control Interventions
Definition	Percentage of villages implementing sustainable vector control interventions
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of villages implementing sustainable vector control interventions
Numerator reporting form	Environment Health Services (EHS) reporting tool
Denominator	Number of villages in the district
Denominator reporting form	EHS reporting tool
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Environmental health (disease Control Port)

**MOH Malawi – National Health Indicators**

Unique identifier	ENVT09N
Indicator name	Food inspection and certification
Definition	Percentage of inspected food certified for human consumption
Disaggregation	None
IHB 2003	
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	Total amount of food inspected and certified for human consumption (kgs)
Numerator reporting form	Food, Safety and Hygiene reporting tool
Denominator	Total amount of food inspected (kgs)
Denominator reporting form	Food, Safety and Hygiene reporting tool
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Environmental Health (Food safety and Hygiene)

**MOH Malawi – National Health Indicators**

Unique identifier	ENVT10P
Indicator name	Food premises audited implementation
Definition	Percentage of food premises audited that meet the required standard
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of audited food premises that meet the required standard
Numerator reporting form	Food, Safety and Hygiene reporting tool
Denominator	Total number of food premises audited
Denominator reporting form	FSH reporting tool
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Environmental Health (Food safety and Hygiene)



**MOH Malawi – National Health Indicators**

Unique identifier	ENVT11N
Indicator name	Estimated percentage of iodized salt on the market
Definition	Percentage of monitored salt with iodine
Disaggregation	
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Typically measured at household level; measuring $\geq 15$ ppm (parts per million) of iodine;
Global comparable source	
Numerator	Amount of salt monitored with iodine in kgs
Numerator reporting form	Food, Safety and Hygiene reporting tool
Denominator	Amount of salt monitored for iodine in kgs
Denominator reporting form	FSH reporting tool
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Environmental Health (Food safety and Hygiene)

**MOH Malawi – National Health Indicators**

Unique identifier	ENVT12N
Indicator name	Response to disasters
Definition	Percentage of disasters responded to on time
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of disasters responded to on time
Numerator reporting form	EHS reporting tool
Denominator	Number of disasters that occurred in the district
Denominator reporting form	EHS reporting tool
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Environmental Health (Health and safety)

## 9 Epidemiology indicators

Unique identifier	EPID01N
Indicator name	HIV incidence
Definition	Number of new HIV infections per 1,000 person years
Disaggregation	General population, Key populations (MSM, sex workers, IDU) Sex and age groups (0-14, 15-24, 15-49) ; Child <3 years, < 1 year (to capture mother-to-child infections) Place of residence
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	<a href="http://www.cdc.gov/hiv/statistics/surveillance/incidence/">http://www.cdc.gov/hiv/statistics/surveillance/incidence/</a>
Numerator	The estimated total number of adults (15-49 years) newly infected, diagnosed and undiagnosed, with HIV in a given year.
Numerator reporting form	
Denominator	Total adult population (15-49 years) not infected at the start of the same year.
Denominator reporting form	Survey based
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	2 Years
Global 100	Yes
Global 100 domain	Health status: Morbidity
NHI or Program	National
Notes for interpretation	
Custodian	Epidemiology

**MOH Malawi – National Health Indicators**

Unique identifier	EPID02P
Indicator name	Percentage of ARV-naïve population that is drug resistant
Definition	Proportion of ARV-naïve population that is drug resistant
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	<a href="http://apps.who.int/iris/bitstream/10665/75183/1/9789241503938_eng.pdf">http://apps.who.int/iris/bitstream/10665/75183/1/9789241503938_eng.pdf</a>
Numerator	Number of Newly introduced patients on ART who are drug resistant
Numerator reporting form	
Denominator	Total Number of new sampled ART patients
Denominator reporting form	Survey Based
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	2 Years
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Epidemiology

**MOH Malawi – National Health Indicators**

Unique identifier	EPID03P
Indicator name	Sexual Transmitted Infections prevalence
Definition	Prevalence of STIs by disease or condition (Syphilis, Gonorrhoea and other STIs)
Disaggregation	Disease or condition (Syphilis, Gonorrhoea and other STIs)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of People reported to have STIs by condition
Numerator reporting form	
Denominator	Population projection
Denominator reporting form	NSO
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	2 Years
Global 100	Yes
Global 100 domain	Health status: Morbidity
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Epidemiology

MOH Malawi – National Health Indicators

Unique identifier	EPID04P
Indicator name	HIV drug resistance among adults/infants
Definition	Proportion of ART adults/infants who are drug resistant
Disaggregation	by age groups: 0-2 years , 15 years and above
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	<a href="http://apps.who.int/iris/bitstream/10665/75183/1/9789241503938_eng.pdf">http://apps.who.int/iris/bitstream/10665/75183/1/9789241503938_eng.pdf</a>
Numerator	Number of ART clients who are drug resistant (by age groups: 0-2 years , 15 years and above)
Numerator reporting form	
Denominator	Total number of ART clients
Denominator reporting form	Survey Based
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	2 Years
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Epidemiology

**MOH Malawi – National Health Indicators**

Unique identifier	EPID05N
Indicator name	Life expectancy at birth
Definition	The number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to stay the same throughout its life.
Disaggregation	Sex: male, female
IHB 2003	105
HSSP 2011-2016	NE
Global Comparable	Life expectancy at birth, total (years) - Life expectancy at birth indicates the number of years a newborn infant would live if prevailing patterns of mortality at the time of its birth were to stay the same throughout its life.
Global comparable source	<a href="http://data.worldbank.org/indicator/SP.DYN.LE00.IN">http://data.worldbank.org/indicator/SP.DYN.LE00.IN</a>
Numerator	The total number of years that a given birth cohort can be expected to live if these mortality rates continue to apply
Numerator reporting form	
Denominator	The number of children in the cohort
Denominator reporting form	Census
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	10 years
Global 100	Yes
Global 100 domain	Health status: Mortality by age and sex
NHI or Program	National
Notes for interpretation	
Custodian	

10 HIV and AIDS indicators

Unique identifier	HIV01N
Indicator name	HIV Viral load suppression
Definition	Percentage of people on ART who are virologically suppressed (VL level ≤ 100 copies/mL)
Disaggregation	Sex, Age (0-14, 15-24, 15-49)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	HIV Viral load suppression
Global comparable source	Global Core List of 100 Indicators
Numerator	Number of people on ART tested for viral load, with suppressed viral load ≤ 100 copies/ml
Numerator reporting form	No form used at this level (to be developed)
Denominator	Total number of people on ART tested for viral load
Denominator reporting form	Viral load LIMS
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Service coverage: HIV
NHI or Program	National
Notes for interpretation	
Custodian	HIV AIDS Unit



**MOH Malawi – National Health Indicators**

Unique identifier	HIV02N
Indicator name	Prevention of mother to child transmission
Definition	Percentage of HIV-infected pregnant women provided with ARV drugs to reduce the risk of mother-to-child transmission during pregnancy and delivery in the last 12 months
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	18
Global Comparable	Numerator: Number of HIV-positive pregnant women who received antiretrovirals to reduce risk of mother-to-child-transmission Denominator: Estimated number of pregnant HIV-positive women in the last 12 months
Global comparable source	<a href="http://www.indicatorregistry.org/?q=node/528">http://www.indicatorregistry.org/?q=node/528</a> -or- <a href="http://www.unaids.org/sites/default/files/media_asset/GARPR_2013_guidelines_en_0.pdf">http://www.unaids.org/sites/default/files/media_asset/GARPR_2013_guidelines_en_0.pdf</a>
Numerator	Total number of HIV-infected pregnant women provided with ARV drugs to reduce the risk of mother-to-child transmission during pregnancy and delivery in the last 12 months
Numerator reporting form	Intergrated Supervision Reporting form
Denominator	Estimated number of HIV-positive pregnant women in the reporting period
Denominator reporting form	ART
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Service coverage: HIV
NHI or Program	National
Notes for interpretation	
Custodian	HIV AIDS Unit

**MOH Malawi – National Health Indicators**

Unique identifier	HIV03N
Indicator name	Antiretroviral Therapy (ART) coverage
Definition	The percentage of adults and children with advanced HIV infection currently receiving antiretroviral combination therapy in accordance with the nationally approved treatment protocols (or WHO/UNAIDS standards) among the estimated number of adults and chil
Disaggregation	
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	"Percentage of eligible adults and children currently receiving antiretroviral therapy" Numerator: Number of eligible adults and children currently receiving antiretroviral therapy in accordance with the nationally approved treatment protocol (or WHO stan
Global comparable source	<a href="http://www.unaids.org/sites/default/files/media_asset/GARPR_2013_guidelines_en_0.pdf">http://www.unaids.org/sites/default/files/media_asset/GARPR_2013_guidelines_en_0.pdf</a>
Numerator	Number of eligible adults and children currently receiving antiretroviral therapy in accordance with the nationally approved treatment protocol (or WHO standards) at the end of the reporting period
Numerator reporting form	Intergrated Supervision Reporting form
Denominator	Estimated number of eligible HIV positive children and adults
Denominator reporting form	ART
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	National
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Service coverage: HIV
NHI or Program	National
Notes for interpretation	
Custodian	HIV AIDS Unit

**MOH Malawi – National Health Indicators**

Unique identifier	HIV04P
Indicator name	HIV among STI Clients
Definition	Percentage of the population treated for STI who are HIV positive
Disaggregation	
IHB 2003	27
HSSP 2011-2016	NE
Global Comparable	The percent of patients with sexually transmitted infections (STIs) at selected health care facilities who are appropriately diagnosed and treated according to national guidelines, of all STI patients at those centers
Global comparable source	<a href="http://www.cpc.unc.edu/measure/prh/rh_indicators/specific/stis-hiv-aids/percent-of-sti-patients-appropriately-diagnosed">http://www.cpc.unc.edu/measure/prh/rh_indicators/specific/stis-hiv-aids/percent-of-sti-patients-appropriately-diagnosed</a>
Numerator	Number of people treated for STIs who are HIV positive
Numerator reporting form	Intergrated Supervision Reporting form; STI Reporting form;
Denominator	Total number of people treated for STIs
Denominator reporting form	Antinatal register, OPD Register, Admission Register, Discharge Register
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	HIV AIDS Unit

**MOH Malawi – National Health Indicators**

Unique identifier	HIV05N
Indicator name	HIV prevalence
Definition	Percentage of people living with HIV in the general and in specific key populations
Disaggregation	15-24; 25-34; 35-44; 45-49; Global: General population: 15-49 years, 15-59 years, 15 years and over, 0-14 years Specific key populations: MSM, Sex workers, Injecting drug users, Prisoners, Sex Place of residence, socioeconomic status
IHB 2003	29
HSSP 2011-2016	NE
Global Comparable	Prevalence of HIV refers to the percentage of people ages 15-49 who are infected with HIV.
Global comparable source	<a href="http://data.worldbank.org/indicator/SH.DYN.AIDS.ZS">http://data.worldbank.org/indicator/SH.DYN.AIDS.ZS</a>
Numerator	Number of HIV positive cases
Numerator reporting form	Intergrated Supervision Reporting form
Denominator	Estimated mid-year population
Denominator reporting form	DHS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health status: Morbidity
NHI or Program	National
Notes for interpretation	
Custodian	HIV AIDS Unit

**MOH Malawi – National Health Indicators**

Unique identifier	HIV06N
Indicator name	People living with HIV who know their status
Definition	Percent of men and women aged 15-49 living with HIV who received an HIV test in the last 12 months and who know their results
Disaggregation	Age, Sex, Pregnancy, Key population; VCT (receiving or not)
IHB 2003	30
HSSP 2011-2016	NE
Global Comparable	Percent of men and women aged 15-49 who received an HIV test in the last 12 months and who know their results -or- Number of women and children aged 15 and older received testing and counselling in VCT sites in the past 12 months and know their results
Global comparable source	<a href="http://www.cpc.unc.edu/measure/prh/rh_indicators/specific/stis-hiv-aids/percent-of-men-and-women-aged-15-49-who-received">http://www.cpc.unc.edu/measure/prh/rh_indicators/specific/stis-hiv-aids/percent-of-men-and-women-aged-15-49-who-received</a> -or- <a href="http://www.indicatorregistry.org/?q=node/893">http://www.indicatorregistry.org/?q=node/893</a>
Numerator	Number of people living with HIV who know their HIV status
Numerator reporting form	Intergrated Supervision Reporting form
Denominator	Estimated population of people living with HIV
Denominator reporting form	Estimate
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Service coverage: HIV
NHI or Program	National
Notes for interpretation	
Custodian	HIV AIDS Unit

**MOH Malawi – National Health Indicators**

Unique identifier	HIV07N
Indicator name	HIV testing for exposed children
Definition	Percentage of infants born to HIV+ women receiving a virological test (DNA PCR) or rapid test for HIV at 2 months, 12 months and 24 months of birth
Disaggregation	2 months; 12 months; 24 months;
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Early Infant Diagnosis
Global comparable source	
Numerator	Number of infants who received an HIV test within two months, 12 months and 24 months of birth, during the reporting period.
Numerator reporting form	Intergrated Supervision Reporting form
Denominator	Number of HIV-positive pregnant women giving birth in the reporting period
Denominator reporting form	Maternity Register
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	HIV AIDS Unit

**MOH Malawi – National Health Indicators**

Unique identifier	HIV08N
Indicator name	Male circumcision
Definition	Number of male circumcisions performed during the reporting period
Disaggregation	
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	<a href="http://www.indicatorregistry.org/?q=node/1044">http://www.indicatorregistry.org/?q=node/1044</a>
Numerator	Number of male circumcisions performed during the reporting period
Numerator reporting form	VMMC Report
Denominator	NA
Denominator reporting form	
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	HIV AIDS Unit

## 11 Human Resource (HR) indicators

Unique identifier	HR01N
Indicator name	Minimum staff norms for basic health facilities
Definition	Percentage of health centres with minimum staff norms (one medical person (doctor, clinical officer or medical assistant), two Nurse-Midwives, one medical technician, one Environmental Health Officer, two hospital attendants) to offer EHP services. This
Disaggregation	Staff type (Doctor, Clinical officer, Medical assistant, Nurse-Midwives, Medical technician, Environmental Health Officer, Hospital attendant)
IHB 2003	9
HSSP 2011-2016	37
Global Comparable	
Global comparable source	
Numerator	Number of health centres with minimum staff norms (two Nurse-Midwives, one medical assistant, one medical technician, one Environmental Health Officer, two hospital attendants) to offer EHP services
Numerator reporting form	Monthly staff returns
Denominator	Total number of health centres in a district
Denominator reporting form	HMIS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health Facility
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Human Resource



**MOH Malawi – National Health Indicators**

Unique identifier	HR02N
Indicator name	Annual output of health personnel by training institutions
Definition	Number of graduates from health workforce educational institutions (including schools of dentistry, medicine, midwifery, nursing, pharmacy) during the last academic year per 1000 population
Disaggregation	Cadre type (Doctor, Clinical officer, Medical assistant, Nurse-Midwives, Medical technician, Environmental Health Officer, Hospital attendant); Sex (Male, Female)
IHB 2003	6
HSSP 2011-2016	
Global Comparable	Output training institutions
Global comparable source	Global core list of 100 indicators
Numerator	Number of graduates from health workforce educational institutions (including schools of dentistry, medicine, midwifery, nursing, pharmacy)
Numerator reporting form	
Denominator	National level population
Denominator reporting form	Census
Method of calculation	$\text{Numerator} / \text{Denominator} * 1000$
Lowest level of aggregation	National
Reporting frequency	Annual
Global 100	Yes
Global 100 domain	Health systems: Health workforce
NHI or Program	National
Notes for interpretation	
Custodian	Human Resource

**MOH Malawi – National Health Indicators**

Unique identifier	HR03P
Indicator name	Vacant positions in health facilities
Definition	Percentage of vacant positions in health facilities by cadre
Disaggregation	Cadre per health facility type (basic, secondary, tertiary)
IHB 2003	7
HSSP 2011-2016	NE
Global Comparable	Not applicable
Global comparable source	Not applicable
Numerator	Number of vacant positions at the health facility by cadre
Numerator reporting form	Staff returns
Denominator	Total number of positions at the health facility
Denominator reporting form	Staff returns
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Human Resource

**MOH Malawi – National Health Indicators**

Unique identifier	HR04N
Indicator name	Health worker density and distribution
Definition	Number of health workers per 10,000 population
Disaggregation	Cadre type (Doctor, Clinical officer, Medical assistant, Nurse-Midwives, Medical technician, Environmental Health Officer, Hospital attendant)
IHB 2003	8
HSSP 2011-2016	
Global Comparable	Number of health workers per 10,000 population by type of health worker
Global comparable source	<a href="http://www.cpc.unc.edu/measure/prh/rh_indicators/crosscutting/hss/number-of-health-workers-per-10-000-population-by">http://www.cpc.unc.edu/measure/prh/rh_indicators/crosscutting/hss/number-of-health-workers-per-10-000-population-by</a>
Numerator	Number of health workers per cadre type
Numerator reporting form	
Denominator	Population of catchment area
Denominator reporting form	HRD
Method of calculation	$\text{Numerator} / \text{Denominator} * 10,000$
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	Yes
Global 100 domain	Health systems: Health workforce
NHI or Program	National
Notes for interpretation	
Custodian	Human Resource

**MOH Malawi – National Health Indicators**

Unique identifier	HR05P
Indicator name	i) Doctor ii) Nurse midwife iii) Clinical Officers iv) Medical Assistants : bed ratio
Definition	The ratio of Health Personnel (Doctors, Nurse-midwives,, Clinical Officers and Medical Assistants) to beds
Disaggregation	i) doctor ii) nurse midwife iii) CO iv) MA : bed ratio documentation pending
IHB 2003	10
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of i) doctor ii) nurse midwife iii) CO iv) MA in post at a health facility
Numerator reporting form	HRMIS
Denominator	Number of beds
Denominator reporting form	HMIS15
Method of calculation	Numerator / Denominator
Lowest level of aggregation	Health Facility
Reporting frequency	Semi-annual
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Human Resource

**MOH Malawi – National Health Indicators**

Unique identifier	HR06P
Indicator name	Human Resource for Health (HRH) Financing
Definition	Percentage of the Governemnts' Health Sector Budget allocated to Human Resources for Health (Personal Emoluments)
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	M&E HRH Handbook page 64; Box 6.1
Global comparable source	<a href="https://www.k4health.org/sites/default/files/M%20and%20E%20HRH%20handbook.pdf">https://www.k4health.org/sites/default/files/M%20and%20E%20HRH%20handbook.pdf</a>
Numerator	Total Budget for HRH
Numerator reporting form	-
Denominator	Total Government budget to the Health Sector
Denominator reporting form	GoM Annual Budget
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	National
Reporting frequency	Annual
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Human Resource

**MOH Malawi – National Health Indicators**

Unique identifier	HR07P
Indicator name	Health personnel attrition rates
Definition	Percentage of health personnel going out of the health workforce
Disaggregation	Cadre type (Doctor, Clinical officer, Medical assistant, Nurse-Midwives, Medical technician, Environmental Health Officer, Hospital attendant)
IHB 2003	11
HSSP 2011-2016	NE
Global Comparable	M&E HRH Handbook page 80;
Global comparable source	<a href="https://www.k4health.org/sites/default/files/M%20and%20E%20HRH%20handbook.pdf">https://www.k4health.org/sites/default/files/M%20and%20E%20HRH%20handbook.pdf</a>
Numerator	Total number of deaths, resignations, retirements and abscondee of health personnel
Numerator reporting form	Attrition register at national level
Denominator	Total personnel in post
Denominator reporting form	Staff return (consolidated)
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health Facility
Reporting frequency	Annual
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Human Resource

12 Department of Health Technical Support Services – Laboratory (DHTSS-Lab) indicators

Unique identifier	LAB01P
Indicator name	Total number of days that laboratory tests are unavailable due to lack of reagents
Definition	The total number of days in any given month when laboratory tests were unavailable due to lack of reagents necessary to complete laboratory test
Disaggregation	Essential reagents
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of days for which tests could not be performed due to reagents stockouts
Numerator reporting form	Not applicable
Denominator	Not applicable
Denominator reporting form	Not applicable
Method of calculation	Number of days per reagent
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	DHTSS (Lab)

**MOH Malawi – National Health Indicators**

Unique identifier	LAB02P
Indicator name	Percentage of tests performed
Definition	Laboratory tests performed as a percentage of total laboratory tests requested
Disaggregation	Test;
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of laboratory tests performed
Numerator reporting form	Monthly laboratory workload report
Denominator	Total number of laboratory tests requested
Denominator reporting form	Specimen reception log book/register
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	DHTSS (Lab)



**MOH Malawi – National Health Indicators**

Unique identifier	LAB03N
Indicator name	Blood units from MBTS meeting the health facilities' requests
Definition	Percentage of requested blood pints fulfilled by Malawi Blood Transfusion Services (MBTS)
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of pints received by health facilities requesting blood
Numerator reporting form	
Denominator	Total number of blood pints requested by health facilities
Denominator reporting form	MBTS requisition book
Method of calculation	$\text{Numerator} / \text{Denominator} * 100\%$
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	DHTSS (Lab)

**MOH Malawi – National Health Indicators**

Unique identifier	LAB04N
Indicator name	External Quality Assurance of laboratory tests
Definition	Percentage of laboratory tests enrolled in External Quality Assurance (EQA) that passed
Disaggregation	Test;
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of enrolled laboratory tests that passed EQA
Numerator reporting form	
Denominator	Total number of laboratory tests enrolled in EQA
Denominator reporting form	EQA provider schedule
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	Health Facility
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	DHTSS (Lab)

**MOH Malawi – National Health Indicators**

Unique identifier	LAB05N
Indicator name	Laboratory tests turn around time (TAT)
Definition	Percentage of results reported within the agreed Turn Around Time(TAT)
Disaggregation	Test;
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of tests reported within the agreed turn around time
Numerator reporting form	
Denominator	Total number of test administered
Denominator reporting form	Laboratory specimen logbook
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	DHTSS (Lab)

**MOH Malawi – National Health Indicators**

Unique identifier	LAB06P
Indicator name	Customer satisfaction with laboratory services
Definition	Percentage of customers satisfied with laboratory services
Disaggregation	customer type(health worker, patient)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of customers surveyed that are satisfied with laboratory services
Numerator reporting form	Quality indicators tool
Denominator	Total number of customers surveyed
Denominator reporting form	Quality indicators tools
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	Health facility
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	DHTSS (Lab)

13 Non communicable diseases (NCD) indicators

Unique identifier	NCD01P
Indicator name	Population treated for other common injuries (excluding road accidents, burns, and GBV)
Definition	Number of people treated for other common injuries (excluding road accidents, burn, and GBV) per 1000 population
Disaggregation	Forms of injury
IHB 2003	96
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of cases with common injuries (excluding road accidents, burns and injuries due to GBV)
Numerator reporting form	Need to define (adopt the one from Queen Elizabeth Central Hospital)
Denominator	Estimated mid-year population
Denominator reporting form	Census
Method of calculation	$\text{Numerator} / \text{Denominator} * 1000$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Non Communicable diseases and mental health

## MOH Malawi – National Health Indicators

Unique identifier	NCD02N
Indicator name	Road traffic accident mortality rate
Definition	Proportion of road accident deaths at health facility per 1000 population (Proxy indicator based on road traffic accident cases presenting at health facility);
Disaggregation	None;
IHB 2003	98
HSSP 2011-2016	NE
Global Comparable	Estimated road traffic death rate (per 100 000 population); Also ECSA HC Indicator No. 84
Global comparable source	World Health Organisation
Numerator	Number of road traffic accident deaths recorded at health facility
Numerator reporting form	Non Communicable Disease Reporting Form (OPD Register, Ward Register)
Denominator	Estimated mid-year population
Denominator reporting form	Census
Method of calculation	Numerator / Denominator * 1000
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health status: Mortality by cause
NHI or Program	National
Notes for interpretation	
Custodian	Non Communicable diseases and mental health

## MOH Malawi – National Health Indicators

Unique identifier	NCD03N
Indicator name	New cases of mental disorder by type (Depression, Schizophrenia, Bipolar Disorder) per 1000 population
Definition	Proportion of new cases of mental disorder by type of disorder per 1000 population
Disaggregation	Mental disorder type(Depression, Schizophrenia, Bipolar disorder)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	ECSCA comparable indicators (survey-based) - pg 88 - regional indicator, survey based;
Global comparable source	
Numerator	Number of new cases of mental disorder by type recorded at the health facility in the reference period
Numerator reporting form	Mental health reporting form
Denominator	Estimated mid-year population
Denominator reporting form	Census
Method of calculation	$\text{Numerator} / \text{Denominator} * 1000$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Non Communicable diseases and mental health

**MOH Malawi – National Health Indicators**

Unique identifier	NCD04N
Indicator name	Cases of acute and transient psychotic disorders
Definition	Proportion of acute and transient psychotic disorder cases per 1000 population
Disaggregation	Case type (OPD new, OPD subsequent, Inpatient); Age (0-15, 16 and above); Sex(Male, Female);
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of acute and transient psychotic disorders
Numerator reporting form	Mental health reporting form
Denominator	Estimated mid- year population
Denominator reporting form	Census
Method of calculation	Numerator / Denominator * 1000
Lowest level of aggregation	National
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Non Communicable diseases and mental health



**MOH Malawi – National Health Indicators**

Unique identifier	NCD05.1P
Indicator name	Hypertension among adults (health facility-based proxy indicator)
Definition	Proportion of people 18+ years with high blood pressure, i.e. systolic blood pressure $\geq 140$ and/or diastolic blood pressure $\geq 90$ , per 1000 population (health facility-based proxy indicator)
Disaggregation	age (18 and above)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Raised blood pressure
Global comparable source	NCD Global Monitoring Framework
Numerator	Number of people 18+ years with high blood pressure
Numerator reporting form	Non Communicable Disease Reporting Form
Denominator	Estimated population of catchment area
Denominator reporting form	Census
Method of calculation	$\text{Numerator} / \text{Denominator} * 1000$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Non Communicable Diseases
NHI or Program	National
Notes for interpretation	
Custodian	Non Communicable diseases and mental health

**MOH Malawi – National Health Indicators**

Unique identifier	NCD06N
Indicator name	Stock outs of essential NCD medicines
Definition	Percentage of health facilities with essential NCD medicines out of stock for more than 7 days in the period per essential NCD medicine
Disaggregation	Essential NCD medicines (Anti- Hypertensives; Hydrochlorthizide, Amlodipine,Nifedipine,Captopril, Propranolol,Antenolol. Anti-Diabetes; Mertiformi, Soluble-Insulin, Lente-Insulin, Glibenclamide. Anti-Asthmas; Aminophylline tablets,IV Aminophylline, Salbut
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Essential medicines and technologies for NCDs (survey-based and therefore does not consider stock-out)
Global comparable source	NCD Global Monitoring Framework
Numerator	Number of health facilities with stock out of essential NCDs medicine per medicine for more than 7 days in the period
Numerator reporting form	LMIS Reports (Stock cards)
Denominator	Total number of health facilities reporting
Denominator reporting form	
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	National
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Non Communicable diseases and mental health

**MOH Malawi – National Health Indicators**

Unique identifier	NCD07P
Indicator name	Population treated for RTA (road traffic accidents) injuries (health facility-based proxy indicator)
Definition	Proportion of cases of road traffic accidents treated at health facility per 1000 population
Disaggregation	None
IHB 2003	97
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of people treated in health facilities for road traffic accident injuries
Numerator reporting form	Non Communicable Disease Reporting Form (OPD Register, Ward Register)
Denominator	Mid-year population of catchment area
Denominator reporting form	Census
Method of calculation	$\text{Numerator} / \text{Denominator} * 1000$
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Non Communicable diseases and mental health

**MOH Malawi – National Health Indicators**

Unique identifier	NCD08N
Indicator name	Suicide mortality rate
Definition	Proportion of suicide related deaths per 100 000 population (health facility-based proxy indicator)
Disaggregation	Sex (male, female)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Same as in Global core list of 100 indicators
Global comparable source	Global Core list of 100 indicators
Numerator	Total number of suicide deaths recorded at health facility
Numerator reporting form	(Mortuary Register)
Denominator	Estimate mid-year population
Denominator reporting form	Census
Method of calculation	$\text{Numerator} / \text{Denominator} * 100,000$
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Health Status: Mortality by cause
NHI or Program	National
Notes for interpretation	
Custodian	Non Communicable diseases and mental health

**MOH Malawi – National Health Indicators**

Unique identifier	NCD09P
Indicator name	Homicide/murder related deaths per 100 000 population
Definition	Proportion of homicide / murder related deaths recorded at health facility per 100,000 population
Disaggregation	Sex (male, female)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Intentional homicides per 100,000 population
Global comparable source	The World Bank
Numerator	Number of homicide/murder related deaths recorded at healthcare facility
Numerator reporting form	(Mortuary Register)
Denominator	Estimate mid-year population
Denominator reporting form	Census
Method of calculation	$\text{Numerator} / \text{Denominator} * 100,000$
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Non Communicable diseases and mental health

## MOH Malawi – National Health Indicators

Unique identifier	NCD10P
Indicator name	High risk cardiovascular disease patients
Definition	Percentage of patients with cardiovascular diseases such as hypertension categorized as high risk for adverse events such as heart attack, heart failure, stroke and death
Disaggregation	Sex; Age (<18, 18-64, 65 and above);
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of high risk cardiovascular disease patients
Numerator reporting form	
Denominator	All cardiovascular disease patients encountered at the health facility
Denominator reporting form	Patient master card
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	Health facility
Reporting frequency	Bi-annual
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Non Communicable diseases and mental health

**MOH Malawi – National Health Indicators**

Unique identifier	NCD11P
Indicator name	High risk diabetes patients
Definition	Proportion of patients with diabetes categorized as high risk for adverse events such as heart attacks
Disaggregation	Sex; Age (<18, 18-64, 65 and above);
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of diabetes patients categorized as high risk
Numerator reporting form	
Denominator	All diabetes patients encountered at the health facility
Denominator reporting form	Patient master card
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	Health facility
Reporting frequency	Bi-annual
Global 100	
Global 100 domain	
NHI or Program	Programme-specific
Notes for interpretation	
Custodian	Non Communicable diseases and mental health

**MOH Malawi – National Health Indicators**

Unique identifier	NCD12P
Indicator name	Epilepsy cases
Definition	Number of new cases of epilepsy per 1000 population
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of new epilepsy cases
Numerator reporting form	Mental health reporting form
Denominator	Mid-year population
Denominator reporting form	Census
Method of calculation	Numerator / Denominator * 1000
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	Programme-specific
Notes for interpretation	
Custodian	Non Communicable diseases and mental health



14 National Malaria Control Program (NMCP) indicators

Unique identifier	NMCP01N
Indicator name	Malaria parasite prevalence among children 6-59 months
Definition	Proportion of children aged 6-59 months with malaria infection
Disaggregation	sex; 6-59 months;
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of children aged 6-59 months with malaria infection detected by rapid diagnostic test or microscopy
Numerator reporting form	
Denominator	Total number of children aged 6-59 months tested for malaria parasites by rapid diagnostic test or microscopy
Denominator reporting form	Population-based surveys (e.g. DHS, MICS, using direct or indirect methods)
Method of calculation	Numerator/Denominator * 100
Lowest level of aggregation	National
Reporting frequency	Every 2-3 years
Global 100	Yes
Global 100 domain	Health status: Morbidity
NHI or Program	National
Notes for interpretation	
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP02N
Indicator name	Reported malaria cases (presumed and confirmed)
Definition	Number of reported malaria cases (presumed and confirmed) per 1000 persons per year
Disaggregation	age (<5, 5+); Diagnosis: presumed, confirmed;
IHB 2003	70
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of new malaria (presumed and confirmed) cases disaggregated by age (<5 and 5 and over)
Numerator reporting form	Malaria Health Facility Reporting Form (MHFRF); Form 1b (Village clinic monthly consolidated report);
Denominator	Total population at risk
Denominator reporting form	Estimated total population
Method of calculation	Numerator/Denominator*1000
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP03P
Indicator name	Suspected malaria cases that received a parasitological test
Definition	Percentage of suspected malaria cases that received a paristological test
Disaggregation	Age (<5 years, 5 and above); Type of test (Microscopy, RDT); Level of care (community based*, basic health facility, secondary, tertiary) *Community-based data available through IMCI, for <5 year olds only
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of all suspected malaria cases tested using mRDT or microscopy
Numerator reporting form	Village Clinic Monthly Consolidated Report Form B, Malaria Health Facility Reporting Form (Laboratory register)
Denominator	Number of all suspected malaria cases attending health facilities and village clinics
Denominator reporting form	Village Clinic Monthly Consolidated Report Form B, Malaria Health Facility Reporting Form (Outpatient register, Ward register)
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	Community-based information is only available for <5 year olds through the IMCI program. For >5 year olds, this indicator is only measurable at facility level. In the Village Clinic Monthly Consolidated Report Form B, "fever" cases are used a proxy for su
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP04N
Indicator name	Inpatient malaria deaths per year
Definition	Inpatient malaria deaths per 1000 persons in the population
Disaggregation	Age (<5, 5+); Diagnosis (presumed, confirmed)
IHB 2003	74 (this was case-fatality... what happened?)
HSSP 2011-2016	NE
Global Comparable	Inpatient malaria deaths per 1000 persons per year (Malaria I-3)
Global comparable source	<a href="http://www.theglobalfund.org/en/me/documents/indicatorguidance/">http://www.theglobalfund.org/en/me/documents/indicatorguidance/;</a>
Numerator	Number of inpatient malaria deaths per year
Numerator reporting form	Malaria Health Facility Reporting Form (MHFRF);
Denominator	Total population at risk
Denominator reporting form	Estimated total population
Method of calculation	$\text{Numerator} / \text{Denominator} * 100,000$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	Health status: Mortality by cause
NHI or Program	National
Notes for interpretation	
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP05P
Indicator name	Malaria cases that received first line anti malarial treatment at health facilities
Definition	Proportion of estimated malaria cases that received first line anti malarial treatment at health facilities
Disaggregation	age (<5, 5+);
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Percentage of estimated malaria cases that received first line anti malarial treatment at public sector health facilities (CM-3a)
Global comparable source	<a href="http://www.theglobalfund.org/en/me/documents/indicatorguidance/">http://www.theglobalfund.org/en/me/documents/indicatorguidance/;</a>
Numerator	Malaria cases encountered at health facilities that received first line anti malarial treatment
Numerator reporting form	Malaria Health Facility Reporting Form (MHFRF); Form 1b (Village clinic monthly consolidated report);
Denominator	Total number of new malaria cases encountered at health facilities
Denominator reporting form	OPR, WR and Village clinic;
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP06P
Indicator name	Inpatient malaria cases
Definition	Inpatient malaria cases per 10,000 persons per year (disaggregated by age (<5 and 5 and over))
Disaggregation	age (<5, 5+);
IHB 2003	74
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of inpatient admissions with diagnosis of malaria at discharge or deaths
Numerator reporting form	Malaria Health Facility Reporting Form (MHFRF);
Denominator	Total population at risk (disaggregated by age (<5 and 5 and over))
Denominator reporting form	Estimated total population
Method of calculation	$\text{Numerator} / \text{Denominator} * 10,000$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP07N
Indicator name	Malaria incidence rate (presumed and confirmed)
Definition	Number of confirmed reported malaria cases per 1000 persons per year
Disaggregation	Sex (female, male); Age (<5; 5+); Diagnosis: presumed and confirmed;
IHB 2003	70
HSSP 2011-2016	NE
Global Comparable	Confirmed malaria cases (microscopy or RDT) per 1000 persons per year (Malaria I-2)
Global comparable source	<a href="http://www.theglobalfund.org/en/me/documents/indicatorguidance/">http://www.theglobalfund.org/en/me/documents/indicatorguidance/</a>
Numerator	Number of malaria cases (presumed or confirmed)
Numerator reporting form	Malaria Health Facility Reporting Form (MHFRF); Form 1b (Village clinic monthly consolidated report);
Denominator	Total population at risk
Denominator reporting form	Estimated total population
Method of calculation	$\text{Numerator} / \text{Denominator} * 1000$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health status: Morbidity
NHI or Program	National
Notes for interpretation	
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP08N
Indicator name	Use of insecticide treated nets (ITN)
Definition	Percentage population in malaria endemic areas who slept under an insecticide-treated net (ITN) the previous night
Disaggregation	Age (<5, 5+); Urban, Rural; Pregnant women
IHB 2003	77
HSSP 2011-2016	14
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of people in malaria endemic areas who slept under an ITN the previous night
Numerator reporting form	
Denominator	Total number of people in malaria endemic areas who spent the previous night in surveyed households
Denominator reporting form	Population-based surveys (MIS, DHS, MICS)
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	National
Reporting frequency	Approximately every 2 years
Global 100	Yes
Global 100 domain	Service coverage: Malaria
NHI or Program	National
Notes for interpretation	
Custodian	NMCP



**MOH Malawi – National Health Indicators**

Unique identifier	NMCP09P
Indicator name	Malaria in pregnancy
Definition	Percentage of confirmed malaria cases in pregnant women
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of confirmed malaria cases who are pregnant
Numerator reporting form	Malaria Health Facility Reporting Form (MHFRF); Form 1b (Village clinic monthly consolidated report);
Denominator	Total number of pregnant women attending at least one ANC visit (total number of women in the cohort) ; Also: Total population at risk (estimated pregnant women in the population)
Denominator reporting form	Projection
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP10N
Indicator name	Household ownership of insecticide treated net (ITN)
Definition	Percentage of households with at least one insecticide-treated net (ITN)
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Proportion of households with at least one insecticide-treated net
Global comparable source	See Reference List
Numerator	Number of households surveyed with at least one ITN
Numerator reporting form	
Denominator	Number of households surveyed
Denominator reporting form	Population-based surveys (MIS, DHS, MICS)
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	National
Reporting frequency	Approximately every 2 years
Global 100	No
Global 100 domain	Service coverage: Malaria
NHI or Program	National
Notes for interpretation	
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP11.1N
Indicator name	Intermittent preventive therapy for malaria during pregnancy (IPTp) (HMIS-based)
Definition	Percentage of women who received three or more doses of intermittent preventive treatment during antenatal care visits during their last pregnancy
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	8
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of eligible pregnant women (not on CPT) receiving three or more doses of intermittent preventive treatment for malaria during antenatal care visits
Numerator reporting form	Antenatal monthly reporting form (ANC Clinic register)
Denominator	Total number of pregnant women attending at least one ANC visit (total number of women in the cohort) minus pregnant women on CPT
Denominator reporting form	ANCR
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Service coverage: Malaria
NHI or Program	National
Notes for interpretation	
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP11.2N
Indicator name	Intermittent preventive therapy for malaria during pregnancy (IPTp) (Survey-based)
Definition	Percentage of women who received three or more doses of intermittent preventive treatment during antenatal care visits during their last pregnancy
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	8
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of eligible pregnant women receiving three or more doses of intermittent preventive treatment for malaria during antenatal care visits
Numerator reporting form	
Denominator	Total number of women age 15-49 with a live birth in the two years preceding the survey who, during the pregnancy, received IPTp
Denominator reporting form	
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Service coverage: Malaria
NHI or Program	National
Notes for interpretation	
Custodian	NMCP

MOH Malawi – National Health Indicators

Unique identifier	NMCP12P
Indicator name	Malaria test positivity rate
Definition	Percentage of suspected malaria cases tested that tested positive (that are confirmed by either mRDT or microscopy)
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of suspected malaria cases confirmed by either mRDT or microscopy
Numerator reporting form	Malaria Health Facility Reporting Form (MHFRF); Form 1b (Village clinic monthly consolidated report);
Denominator	Number of suspected malaria cases tested using mRDT or microscopy
Denominator reporting form	Malaria Health Facility Reporting Form (MHFRF); Form 1b (Village clinic monthly consolidated report);
Method of calculation	Numerator/Denominator*100
Lowest level of aggregation	Health facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	NMCP

**MOH Malawi – National Health Indicators**

Unique identifier	NMCP13P
Indicator name	Malaria case fatality rate
Definition	Percentage of admitted malaria cases that died in a given period
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of inpatient malaria deaths
Numerator reporting form	Malaria Health Facility Reporting Form (MHFRF);
Denominator	Number of inpatients with diagnosis of malaria at discharge or deaths
Denominator reporting form	Malaria Health Facility Reporting Form (MHFRF);
Method of calculation	Numerator/Denominator*100
Lowest level of aggregation	Health facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	NMCP

## 15 Nutrition indicators

Unique identifier	NUT01N
Indicator name	Underweight prevalence (under-five, survey-based)
Definition	Percentage of underweight (weight-for-age less than -2 standard deviations of the WHO Child Growth Standards median) among children under five
Disaggregation	Sex (male, female); Age (0-5, 6-11, 12-23, 24-59); Also: Below (< -3; between -3 and -2)
IHB 2003	63
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	Indicators for monitoring MDG; Also: IHS - Integrated Household Survey
Numerator	Number of underweight children under five
Numerator reporting form	Under 5 register; Under 2 register; (HMIS: Child Passport; also DHS Survey)
Denominator	Total number of surveyed children under five
Denominator reporting form	Under 5 register; Under 2 register; Also survey: DHS
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Nutrition

**MOH Malawi – National Health Indicators**

Unique identifier	NUT02N
Indicator name	Under 5 severe acute malnutrition (SAM) case fatality rate
Definition	Children under 5 who discharged dead due to severe acute malnutrition (SAM) as a percentage of total SAM children discharged in outpatient and inpatient care. SAM is defined as less than SD -3 weight for height or less than 11.5cm of mid upper arm circumf
Disaggregation	Sex (male, female); OTP, NRU;
IHB 2003	64
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of children under 5 who discharged dead due to severe acute malnutrition (SAM)
Numerator reporting form	OTP monthly reporting form; NRU monthly reporting form;
Denominator	Total number of SAM children discharged in OTP and NRU
Denominator reporting form	OTP monthly reporting form; NRU monthly reporting form;
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	This indicator is calculated based on the children admitted for treatment of SAM in OTP and NRU.
Custodian	Nutrition



**MOH Malawi – National Health Indicators**

Unique identifier	NUT03N
Indicator name	Stunting prevalence (under-five, survey-based)
Definition	Percentage of stunting (moderate and severe; height-for-age less than -2 standard deviations of the WHO Child Growth Standards median) among children under five
Disaggregation	Sex, Age (0-5, 6-11, 12-23, 24-59); Also: Below (< -3; between -3 and -2)
IHB 2003	NE
HSSP 2011-2016	23
Global Comparable	(same)
Global comparable source	Priority Nutrition Indicators for the Post-2015 Sustainable Development Goals
Numerator	Number of stunted children under five
Numerator reporting form	Under 5 register; Under 2 register; (HMIS: Child Passport; also DHIS Survey)
Denominator	Total number of surveyed children under five
Denominator reporting form	Under 5 register; Under 2 register; Also survey: DHS
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Risk factors: Nutrition
NHI or Program	National
Notes for interpretation	
Custodian	Nutrition

**MOH Malawi – National Health Indicators**

Unique identifier	NUT04N
Indicator name	Wasting prevalence (under-five, survey-based)
Definition	Percentage of wasting (moderate and severe; weight-for-height less than - 2 standard deviations of the WHO Child Growth Standards median) among children under five
Disaggregation	Sex, Age (0-5, 6-11, 12-23, 24-59); Also: Below (< -3; between -3 and -2)
IHB 2003	NE
HSSP 2011-2016	24
Global Comparable	(same)
Global comparable source	Sustainable Development Goals
Numerator	Number of wasted children under five
Numerator reporting form	Under 5 register; Under 2 register; (HMIS: Child Passport; also DHIS Survey)
Denominator	Total number of surveyed children under five
Denominator reporting form	Under 5 register; Under 2 register; Also survey: DHS
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Risk factors: Nutrition
NHI or Program	National
Notes for interpretation	
Custodian	Nutrition

**MOH Malawi – National Health Indicators**

Unique identifier	NUT05P
Indicator name	Adolescents and adults attending health facilities who are severely and moderately undernourished
Definition	Percentage of adolescents and adults attending health facilities who are severely or moderately undernourished Nutritional status is based on BMI for non-pregnant adults, BMI for age for adolescents and MUAC for pregnant women
Disaggregation	Sex; Age (12-14, 15-18, >= 19); for females: pregnant, non-pregnant;
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of adolescents and adults attending health facilities who are assessed using anthropometric measurements and are found to be severely or moderately undernourished
Numerator reporting form	NCST Monthly Report
Denominator	Number of adolescents and adults attending health facilities who are assessed using anthropometric measurements
Denominator reporting form	NCST Monthly Report
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Nutrition

**MOH Malawi – National Health Indicators**

Unique identifier	NUT06N
Indicator name	Adolescents and adults attending health facilities who are overweight and obese
Definition	Percentage of adolescents and adults attending health facilities who are overweight and obese. Nutritional status is based on BMI for non-pregnant adults, BMI for age for adolescents and MUAC for pregnant women
Disaggregation	Sex; Age (12-14, 15-18, >= 19); for females: pregnant, non-pregnant;
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of adolescents and adults attending health facilities who are assessed using anthropometric measurements and are found to be overweight and obese
Numerator reporting form	NCST Monthly Report
Denominator	Number of adolescents and adults attending health facilities who are assessed using anthropometric measurements
Denominator reporting form	NCST Monthly Report
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Nutrition

**MOH Malawi – National Health Indicators**

Unique identifier	NUT07N
Indicator name	Overweight prevalence (under-five, survey-based)
Definition	Percentage of overweight (weight-for-height more than +2 standard deviations of the WHO Child Growth Standards median) among children aged 0-4 years
Disaggregation	Sex, Age (0-5, 6-11, 12-23, 24-59); Also: Above (SD > +3; between +2 and +3)
IHB 2003	NE
HSSP 2011-2016	24
Global Comparable	Prevalence of over-weight (high weight-for-height) in children under 5 years of age Also: Global list of 100 core indicators - definition adopted
Global comparable source	Sustainable Development Goals
Numerator	Number of children aged 0-5 years that fall above two standard deviations from the median weight-for-height of the WHO Child Growth Standards
Numerator reporting form	Under 5 register; Under 2 register; (HMIS: Child Passport; also DHIS Survey)
Denominator	Total number of children aged 0-5 years that were measured
Denominator reporting form	Under 5 register; Under 2 register; Also survey: DHS
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Risk factors: Nutrition
NHI or Program	National
Notes for interpretation	
Custodian	Nutrition

MOH Malawi – National Health Indicators

Unique identifier	NUT08.1N
Indicator name	Early initiation breastfeeding (HMIS-based)
Definition	Percentage of infants breastfed within one hour of birth
Disaggregation	
IHB 2003	
HSSP 2011-2016	
Global Comparable	
Global comparable source	Global core list of 100 indicators
Numerator	Number of children who started breastfeeding within one hour of birth
Numerator reporting form	Maternity Monthly Reporting Form
Denominator	Total number of live births
Denominator reporting form	HMIS
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health Facility
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Risk factors: Nutrition
NHI or Program	National
Notes for interpretation	Please note Malawi's policy states infants should be breastfed within 30 minutes of birth (citation).
Custodian	Nutrition

**MOH Malawi – National Health Indicators**

Unique identifier	NUT08.2N
Indicator name	Early initiation breastfeeding (survey-based)
Definition	Percentage of infants breastfed within one hour of birth
Disaggregation	None;
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	Global core list of 100 indicators
Numerator	Number of children who started breastfeeding within one hour of birth
Numerator reporting form	DHS Survey
Denominator	Total number of live births reported in the survey
Denominator reporting form	DHS Survey
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Survey-based
Global 100	Yes
Global 100 domain	Risk factors: Nutrition
NHI or Program	National
Notes for interpretation	Please note Malawi's policy states infants should be breastfed within 30 minutes of birth (citation).
Custodian	Nutrition

**MOH Malawi – National Health Indicators**

Unique identifier	NUT09N
Indicator name	Exclusive breastfeeding rate at 6 months (survey-based)
Definition	Proportion of infants 0–5 months of age who are fed exclusively with breast milk. Note: 0-5 months implies the last day of the 5 month, i.e. at 6 months
Disaggregation	None;
IHB 2003	
HSSP 2011-2016	
Global Comparable	Global core list of 100 indicators - definition adopted
Global comparable source	Global core list of 100 indicators
Numerator	Total number of children 0-5 months exclusively breastfed
Numerator reporting form	DHS Survey
Denominator	Total number of children 0-5 months surveyed
Denominator reporting form	DHS Survey
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Five
Global 100	Yes
Global 100 domain	Risk factors: Nutrition
NHI or Program	National
Notes for interpretation	
Custodian	Nutrition



**MOH Malawi – National Health Indicators**

Unique identifier	NUT10N
Indicator name	Minimum acceptable diet for children 6-23 months
Definition	Percentage of breastfed children 6-23 months who have the minimum dietary diversity and the minimal meal frequency during the previous day. Percentage of non-breastfed children 6-23 months who receive at least two milk feedings and had at least the minim
Disaggregation	
IHB 2003	
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	
Numerator reporting form	
Denominator	
Denominator reporting form	
Method of calculation	
Lowest level of aggregation	
Reporting frequency	
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Nutrition

16 Physical Assets Management (PAM) indicators

Unique identifier	PAM01N
Indicator name	% health facilities with functioning equipment in line with standard equipment list at time of visit
Definition	
Disaggregation	
IHB 2003	22
HSSP 2011-2016	35
Global Comparable	
Global comparable source	
Numerator	# health facilities with functioning equipment in line with standard equipment list at time of visit
Numerator reporting form	
Denominator	Total number of health facilities
Denominator reporting form	HMIS
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	PAM

**MOH Malawi – National Health Indicators**

Unique identifier	PAM02N
Indicator name	Population:ambulance ratio
Definition	
Disaggregation	
IHB 2003	24
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Population of catchment area
Numerator reporting form	
Denominator	Ambulance that are functional in the catchment area
Denominator reporting form	Admin
Method of calculation	
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	PAM

17 Primary Health Care (PHC) indicators

Unique identifier	PHC01P
Indicator name	HSAs transportation
Definition	Percentage of HSAs with a pushbike less than 3 years old
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of HSAs with a pushbike less than 3 years old
Numerator reporting form	Primary health care reporting form (to be developed)
Denominator	Total Number of HSAs in the catchment area
Denominator reporting form	Primary health care reporting form (to be developed)
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	PHC

**MOH Malawi – National Health Indicators**

Unique identifier	PHC02P
Indicator name	Utilization of village registers
Definition	Percentage of HSAs updating village health registers
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of HSAs updating village health registers on a monthly basis
Numerator reporting form	Primary health care reporting form (to be developed)
Denominator	Total Number of HSAs in the catchment area
Denominator reporting form	HMIS
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	PHC

**MOH Malawi – National Health Indicators**

Unique identifier	PHC03P
Indicator name	Functionality of health centre (health facility) committees
Definition	Percentage of public health facilities with a functional health facility (health center) committees functional committees are committees that hold monthly meetings and produce meeting minutes
Disaggregation	Facility type (Public Hospital, Health Centre)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of public health facilities (health centres) with functional health facility committees
Numerator reporting form	Primary health care reporting form (to be developed)
Denominator	Total number of public health facilities in the catchment area
Denominator reporting form	HMIS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	PHC

**MOH Malawi – National Health Indicators**

Unique identifier	PHC04P
Indicator name	Functionality of Village health committees
Definition	Percentage of villages with functional Village health committees. Functional committees are those that meet at least once a month and produce meeting minutes or a report following the meeting;
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of villages with functional village health committees in the catchment area
Numerator reporting form	Primary health care reporting form (to be developed)
Denominator	Total number of villages in the catchment area
Denominator reporting form	HMIS
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health facility
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	PHC

18 Projects Planning Appraisal Monitoring and Evaluation (PPAME) indicators

Unique identifier	PPAME01N
Indicator name	Health facilities with functioning water
Definition	Percentage of health centres with functioning water at the facility (piped water or borehole)
Disaggregation	water sourc type (borehole, piped water)
IHB 2003	17
HSSP 2011-2016	36
Global Comparable	
Global comparable source	
Numerator	Total number of health facilities with functioning water
Numerator reporting form	HMIS15
Denominator	Total number of health facilities in the catchment
Denominator reporting form	DHIS2
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Planning Department (PPAME)



MOH Malawi – National Health Indicators

Unique identifier	PPAME02N
Indicator name	Health facilities with functioning electricity
Definition	Percentage of health centres with functioning electricity (national grid, solar power) - ** need to define functioning
Disaggregation	Electric power type (national grid, solar power)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of health facilities with functioning electricity
Numerator reporting form	HMIS15
Denominator	Total number of health facilities in the catchment
Denominator reporting form	DHIS2
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Planning Department (PPAME)

**MOH Malawi – National Health Indicators**

Unique identifier	PPAME03N
Indicator name	Health facilities with functioning communication systems
Definition	Percentage of health centres with functioning communication systems (Computer with Internet, landline telephone, facility owned telephone, private cellphone supported by the facility or a functioning shortware radio) available in the facility.
Disaggregation	Equipment type (Computer with Internet, landline telephone, facility owned telephone, private cellphone supported by the facility or a functioning shortware radio available in the facility)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of health facilities with a functioning communication system
Numerator reporting form	HMIS15
Denominator	Total number of health facilities in the catchment
Denominator reporting form	DHIS2
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Planning Department (PPAME)

**MOH Malawi – National Health Indicators**

Unique identifier	PPAME04N
Indicator name	Health facilities with full infrastructure requirements in line with respective level of care
Definition	Percentage of Health facilities with full infrastructure requirements in line with respective level of care
Disaggregation	
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of Health facilities with full infrastructure requirements by type (Health Post, Dispensary, Health Center, Community Hospital, District Hospital, Central Hospital)
Numerator reporting form	
Denominator	Total number of health facilities for each level of care
Denominator reporting form	Quartely PPAME monitoring reports
Method of calculation	
Lowest level of aggregation	National
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Planning Department (PPAME)

**MOH Malawi – National Health Indicators**

Unique identifier	PPAME05N
Indicator name	Health service access
Definition	Percentage of population living within 8km of a health facility (total number of health facilities per 10 000 population)
Disaggregation	
IHB 2003	
HSSP 2011-2016	
Global Comparable	Percentage of population living within 5km of a health facility (total number of health facilities per 10 000 population)
Global comparable source	Global list of 100 core indicators
Numerator	Number of persons within 8km of a health center or hospital
Numerator reporting form	
Denominator	Estimated population of the catchment area
Denominator reporting form	Quartely PPAME monitoring reports
Method of calculation	$\text{Numerator} / \text{Denominator} * 10,000$
Lowest level of aggregation	National
Reporting frequency	Annual
Global 100	Yes
Global 100 domain	Health Systems: Access
NHI or Program	National
Notes for interpretation	This is a valid for all facility types, except health post and dispensary.
Custodian	Planning Department (PPAME)

**MOH Malawi – National Health Indicators**

Unique identifier	PPAME06N
Indicator name	Percentage of health facilities covering more than recommended catchment population in line with respective level of care
Definition	
Disaggregation	
IHB 2003	
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	Number of health facilities covering a high catchment population than required
Numerator reporting form	
Denominator	Total number of health facilities
Denominator reporting form	Quartely PPAME monitoring reports
Method of calculation	
Lowest level of aggregation	National
Reporting frequency	Annual
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Planning Department (PPAME)

## 19 Radiology indicators

Unique identifier	RAD01N
Indicator name	Inability to perform radiology services
Definition	Radiology services that could not be performed at health facility level as a percentage of all radiology services requested
Disaggregation	Service type (X-ray, Ultra sound, CT scan, mamography, MRI); Reason for inability to perform radiology service (equipment breakdown, HR unavailable, Contrast media, Processing chemicals, X-ray films, Ultra sound gel, Other)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Total number of radiology services that could not be performed
Numerator reporting form	Radiology monthly reporting form (to be revised)
Denominator	Total number of radiology services requested
Denominator reporting form	Radiology monthly reporting form (to be revised)
Method of calculation	$\text{Numerator} / \text{Denominator} * 100\%$
Lowest level of aggregation	Health facility
Reporting frequency	Monthly
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Radiology

**MOH Malawi – National Health Indicators**

Unique identifier	RAD02N
Indicator name	Essential medical imaging quality assurance tests performed
Definition	Total number of quality assurance tests performed as documented in a test report as a percentage of all quality assurance tests supposed to be performed in the period
Disaggregation	Equipment type (X-ray, Ultra sound, CT scan, Mammography)
IHB 2003	
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	Total number of essential quality assurance tests done
Numerator reporting form	Radiology quarterly reporting form (to be developed)
Denominator	Total number of essential QA tests expected to be done
Denominator reporting form	Radiology quarterly reporting form (to be developed)
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	Health facility
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Radiology

**MOH Malawi – National Health Indicators**

Unique identifier	RAD03N
Indicator name	Health facilities that lack the minimum required radiology equipment
Definition	Total number of health facilities that do not have the minimum required radiology equipment as percentage of all health facilities assessed At a minimum central hospitals should have x-ray, ultra sound, CT scan and mammography; district hospitals and com
Disaggregation	Facility type (central hospital, district hospital, community health facility); Equipment type (X-ray, Ultra sound, CT scan, Mammography)
IHB 2003	
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	Total number of health facilities assessed that do not have the minimum required radiology equipment
Numerator reporting form	Radiology equipment inventory form
Denominator	Total number of health facilities assessed
Denominator reporting form	Radiology equipment inventory form
Method of calculation	Numerator / Denominator * 100%
Lowest level of aggregation	Health facility
Reporting frequency	Annually
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Radiology



MOH Malawi – National Health Indicators

Unique identifier	RAD04P
Indicator name	Basic examination types performed
Definition	Total number of designated basic types of examinations performed in any given period
Disaggregation	Facility type (central hospital, district hospital, community health facility); Service type (X-ray, Ultra sound, CT scan, mamography, MRI);
IHB 2003	
HSSP 2011-2016	
Global Comparable	
Global comparable source	
Numerator	Total number of designated basic types of examinations performed in any given period
Numerator reporting form	Radiology monthly reporting form (to be revised)
Denominator	Not applicable
Denominator reporting form	Not applicable
Method of calculation	Not applicable
Lowest level of aggregation	Health facility
Reporting frequency	Monthly
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Radiology

## 20 Reproductive Health Department (RHD) indicators

Unique identifier	RHD01N
Indicator name	Total fertility rate
Definition	The total fertility rate (TFR) is an age-period fertility rate for a synthetic cohort of women. It measures the average number of births a group of women would have by the time they reach age 50 if they were to give birth at the current age-specific ferti
Disaggregation	Place of residence (urban, rural); Education (No education, primary, secondary, more than secondary); wealth quintile (lowest, second, middle, fourth, highest); age (15-19, 20-24, 25-29, 30-34, 35-39, 40-44, 45-49)
IHB 2003	104
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	See Method of Calculation
Numerator reporting form	
Denominator	See Method of Calculation
Denominator reporting form	DHS
Method of calculation	Total fertility rate is directly calculated as the sum of age-specific fertility rates (usually referring to women aged 15 to 49 years), or five times the sum if data are given in five-year age groups. An age- or age-group-specific fertility rate is calcu
Lowest level of aggregation	Region
Reporting frequency	5 years
Global 100	Yes
Global 100 domain	Health status: Fertility
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD02.1N
Indicator name	Institutional Maternal Mortality Ratio (facility-based)
Definition	Number of maternal deaths from any cause related to or aggravated by pregnancy or its management (excluding accidental or incidental causes) during pregnancy or childbirth, as recorded in facilities.
Disaggregation	Primary Complication
IHB 2003	109
HSSP 2011-2016	1
Global Comparable	Maternal Mortality Ratio
Global comparable source	See Reference List
Numerator	Number of maternal deaths in health facilities/institutions
Numerator reporting form	Maternity/MDSR Report
Denominator	Number of deliveries in health facilities/institutions.
Denominator reporting form	Maternity/MDSR Report (Maternity Register, Maternal Death Notifications/Audits/Reviews)
Method of calculation	Total number of maternal deaths recorded in health facilities divided by total number of deliveries recorded in health facilities.
Lowest level of aggregation	District
Reporting frequency	Annual
Global 100	Yes
Global 100 domain	Health status: Mortality by cause
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD02.2N
Indicator name	Maternal Mortality Ratio (survey-based)
Definition	Annual number of maternal deaths from any cause related to or aggravated by pregnancy or its management (excluding accidental or incidental causes) during pregnancy and childbirth or within 42 days of termination of pregnancy, irrespective of the duration
Disaggregation	Age (15-19, 20-24, 25-29, 30-34, 35-39, 40-44, 45-49)
IHB 2003	109
HSSP 2011-2016	1
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of maternal deaths
Numerator reporting form	
Denominator	Number of live births
Denominator reporting form	DHS
Method of calculation	The maternal mortality ratio is calculated by dividing recorded (or estimated) maternal deaths by total recorded (or estimated) live births in the same period and multiplying by 100,000. The measurement requires information on pregnancy status, timing of
Lowest level of aggregation	District
Reporting frequency	5 years
Global 100	Yes
Global 100 domain	Health status: Mortality by cause
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

## MOH Malawi – National Health Indicators

Unique identifier	RHD03.1N
Indicator name	Antenatal care coverage (HMIS-based, facility-based)
Definition	Percentage of women with a live birth in a given time period that received antenatal care four or more times.
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	7
Global Comparable	Percentage of women aged 15-49 with a live birth in a given time period that received antenatal care, four times or more.
Global comparable source	See Reference List
Numerator	Number of women who received antenatal care four or more times
Numerator reporting form	ANC monthly reporting tool (ANC Clinic Register)
Denominator	Total number of women with a live birth in the same period
Denominator reporting form	Maternity Monthly Report (Maternity Register)
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	National
Notes for interpretation	1. Indicator based on data available from facilities only (total live births and women with 4+ ANC visits) with the assumption that the population of women who deliver at MOH and CHAM facilities is the same population that receives ANC care at MOH and CHA
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD03.2N
Indicator name	Antenatal care coverage (Survey-based)
Definition	Percentage of women aged 15-49 with a live birth in a given time period that received antenatal care, four times or more.
Disaggregation	Age; Birth order; Residence; Region; Mother's education; Wealth quintile
IHB 2003	NE
HSSP 2011-2016	7
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of women aged 15 to 49 with a live birth in a given time period who received antenatal care four or more times
Numerator reporting form	DHS
Denominator	Total number of women aged 15-49 years with a live birth in the same period
Denominator reporting form	DHS
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Approximately every 5 years
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

## MOH Malawi – National Health Indicators

Unique identifier	RHD04.1N
Indicator name	Births attended by skilled health personnel (HMIS-based)
Definition	Percentage of births attended by skilled health personnel during a specified time period
Disaggregation	None
IHB 2003	41
HSSP 2011-2016	9
Global Comparable	Percentage of live births attended by skilled health personnel during a specified time period
Global comparable source	See Reference List
Numerator	Number of births attended by skilled health personnel
Numerator reporting form	Maternity Monthly Report (Maternity Register)
Denominator	Total number of expected deliveries
Denominator reporting form	Target Population Reporting Form (population estimates)
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	National
Notes for interpretation	<ol style="list-style-type: none"> <li>1. Global reference indicators use live births as denominator.</li> <li>2. It is known that a proportion of deliveries, particularly in urban areas, occur in private facilities that do not currently adequately report data to the MOH. While these deliveries are in</li> </ol>
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD04.2N
Indicator name	Births attended by skilled health personnel (Survey-based)
Definition	Percentage of births attended by skilled health personnel during a specified time period
Disaggregation	Age (<20, 20-34, 35-49); Type of provider (Doctor/Clinical officer, Nurse/Midwife, Patient attendant);
IHB 2003	41
HSSP 2011-2016	9
Global Comparable	Percentage of live births attended by skilled health personnel during a specified time period
Global comparable source	See Reference List
Numerator	Number of live births distributed according to type of person providing delivery assistance (doctor, nurse/midwife/auxiliary, traditional birth attendant, relative/other, no one).
Numerator reporting form	Survey
Denominator	Number of live births in the last five years
Denominator reporting form	Survey
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Region
Reporting frequency	According to survey schedule
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department



**MOH Malawi – National Health Indicators**

Unique identifier	RHD05N
Indicator name	Caesarean sections as a percent of all births
Definition	The percent of pregnant women who have a cesarean section in a specific geographical area and reference period.
Disaggregation	Maternal outcome
IHB 2003	43
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	<a href="http://www.cpc.unc.edu/measure/prh/rh_indicators/specific/sm/cesarean-sections-as-a-percent-of-all-births">http://www.cpc.unc.edu/measure/prh/rh_indicators/specific/sm/cesarean-sections-as-a-percent-of-all-births</a>
Numerator	Number of caesarean sections performed
Numerator reporting form	Maternity monthly facility reporting tool
Denominator	Number of estimated live births in the geographical area
Denominator reporting form	Population Projection
Method of calculation	
Lowest level of aggregation	Health facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	Where data on the numbers of live births are absent, evaluators can calculate total estimated live births using census data for the total population and crude birth rates in a specified area. Total expected births = population x crude birth rate.
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD06N
Indicator name	Incidence of low birth weight among newborns (facility-based)
Definition	Percentage of live births that weigh less than 2500g
Disaggregation	None
IHB 2003	44
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of live births weighing less than 2500g at birth
Numerator reporting form	Maternity Monthly Report (Maternity Register)
Denominator	Total number of live births
Denominator reporting form	Maternity Register
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health facility
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Risk factors: Nutrition
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD07N
Indicator name	Direct obstetric case fatality rate
Definition	The percent of women admitted to a hospital or an emergency obstetric care (EmOC) facility with major direct obstetric complications, or who develop such complications after admission, and die before discharge.
Disaggregation	Primary type of complication: hemorrhage, hypertensive diseases, abortion, sepsis or infections, obstructed labor, ectopic pregnancy, embolism, and anesthesia-related death ;
IHB 2003	50
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of women admitted to a hospital or an emergency obstetric care (EmOC) facility with major direct obstetric complications, or who develop such complications after admission, and die before discharge.
Numerator reporting form	Maternity Monthly Report (Maternity Register)
Denominator	Number of women admitted to the health facility or emergency obstetric care (EmOC) facility with major obstetric complications, or who develop such complications after admission
Denominator reporting form	Maternity Monthly Report (Maternity Register)
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health facility
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD08N
Indicator name	Modern contraceptive prevalence rate
Definition	Percentage of women aged 15-49 years, married or in-union, who are currently using, or whose sexual partner is using, at least one modern method of contraception, regardless of the method used
Disaggregation	Age (15-19, 20-24, 25-29, 30-34, 35-39, 40-44, 45-49); Method (short, long and permanent)
IHB 2003	54
HSSP 2011-2016	25
Global Comparable	(same)
Global comparable source	- WHO Reproductive Health Indicators - Indicator No. 2 - Measure Evaluation PHR
Numerator	Women aged 15-49 years, married or in-union, who are currently using, or whose sexual partner is using, at least one modern method of contraception, regardless of the method used
Numerator reporting form	
Denominator	Total number of women of reproductive age who are married or in-union
Denominator reporting form	Estimated population of women of reproductive age
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	5 years
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD09N
Indicator name	Stillbirth rate (facility-based)
Definition	Stillbirth rate per 1000 total births (live and stillbirths). For international comparison purposes, stillbirths are defined as third trimester fetal deaths (> or = 1000 grams or > or = 28 weeks gestational age).
Disaggregation	Stillbirth type (macerated, fresh)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	See Reference List
Numerator	Number of stillbirths in the health facility
Numerator reporting form	Maternity Monthly Report (Maternity Register)
Denominator	Total births (live and stillbirths) in the facility
Denominator reporting form	Maternity Monthly Report (Maternity Register)
Method of calculation	Numerator / Denominator * 1000
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD10P
Indicator name	Postpartum care coverage
Definition	Percentage of mothers who received postpartum care within two days of childbirth (regardless of place of delivery)
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	15
Global Comparable	Percent of women receiving postpartum care by a skilled health personnel within two days of childbirth
Global comparable source	Measure Evaluation PHR
Numerator	Mothers who received postpartum care within two days of childbirth (regardless of place of delivery)
Numerator reporting form	
Denominator	Total number of deliveries in the catchment area
Denominator reporting form	Estimated number of deliveries in the period
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	District
Reporting frequency	5 years
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	Programme-level
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD11N
Indicator name	Cervical cancer incidence rate
Definition	Proportion of new cervical cancer cases detected per 100,000 women aged 20-69 years
Disaggregation	Age (<20, 20-34, 35-49, 50-54, 55-59, 60-64, 65-69);
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of cervical cancer cases detected among women aged 20-69 years
Numerator reporting form	Cervical cancer quarterly reporting tool
Denominator	Estimated number of women aged 20-69 in the population
Denominator reporting form	Projection
Method of calculation	$\text{Numerator} / \text{Denominator} * 100,000$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health status: Morbidity
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD12N
Indicator name	Cervical cancer death rate
Definition	Proportion of women dying of cervical cancer per 100,000 women aged 20-69 years
Disaggregation	Age (<20, 20-34, 35-49, 50-54, 55-59, 60-64, 65-69);
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of women aged 20-69 years dying of cervical cancer
Numerator reporting form	Cervical cancer quarterly reporting tool
Denominator	Estimated number of women aged 20-69 in the population
Denominator reporting form	Projection
Method of calculation	$\text{Numerator} / \text{Denominator} * 100,000$
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health status: Mortality by cause
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department



## MOH Malawi – National Health Indicators

Unique identifier	RHD13N
Indicator name	Adolescent fertility rate
Definition	Annual number of births to women aged 15-19 years per 1000 women in that age group.
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	World Health Statistics 2012; Global core list of 100 indicators;
Numerator	Total number of births to women aged 15-19 years
Numerator reporting form	Not applicable
Denominator	Total number of women in the population aged 15-19 in the reporting period
Denominator reporting form	DHS Survey
Method of calculation	$\text{Numerator} / \text{Denominator} * 1000$
Lowest level of aggregation	District
Reporting frequency	5 years
Global 100	Yes
Global 100 domain	Health status: Fertility
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD14N
Indicator name	Percent of women who received at least two doses of tetanus-toxoid vaccine in their last pregnancy (health facility based)
Definition	The proportion of pregnant women encountered in health facilities receiving at least two doses of tetanus-toxoid vaccine (TT2) in their last pregnancy
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	Measure Evaluation PRH
Numerator	Number of pregnant women receiving two or more doses of TT during the current pregnancy
Numerator reporting form	ANC monthly reporting tool
Denominator	Total number of pregnant women encountered in ANC in the cohort
Denominator reporting form	ANC monthly reporting tool
Method of calculation	$\text{Numerator} / \text{Denominator} * 1000$
Lowest level of aggregation	Health facility
Reporting frequency	Monthly
Global 100	Yes
Global 100 domain	Service coverage: Immunisation
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD15N
Indicator name	Percent of women who received at least two doses of tetanus-toxoid vaccine in their last pregnancy (survey-based)
Definition	The proportion of pregnant women (based on population survey) receiving at least two doses of tetanus-toxoid vaccine (TT2) in their last pregnancy
Disaggregation	Age at birth (<20, 20-34, 35-49); Birth order(1, 2-3, 4-5, 6); Residence (Urban, Rural); Region (Northern, Central, Southern); Mother's education (No education, Primary, Secondary, More than secondary); Wealth quantile (Lowest, Second, Middle, Fourth, Hig
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	(same)
Global comparable source	Measure Evaluation PRH
Numerator	Number of women giving birth during a reference period (e.g., five years) who report receiving at least two doses of tetanus-toxoid during their last pregnancy
Numerator reporting form	Not applicable
Denominator	Number of live births in the same reference period
Denominator reporting form	DHS
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Regional
Reporting frequency	5 years
Global 100	Yes
Global 100 domain	Service coverage: Immunisation
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD16N
Indicator name	Cervical cancer screening
Definition	Percentage of women aged 30-49 who report they were screened for cervical cancer using any of the following methods: Visual Inspection with Acetic Acid/vinegar (VIA), pap smear and Human Papillomavirus (HPV) test
Disaggregation	Age (30-34, 35-39, 40-44, 45-49)
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Cervical cancer screening
Global comparable source	WHO Global Health Observatory
Numerator	Number of women between the ages 30–49 screened for cervical cancer at least once, or more often
Numerator reporting form	Cervical cancer quarterly reporting tool
Denominator	Number of women between the ages 30-49 years
Denominator reporting form	Cervical cancer register
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	National
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Screening and preventive care
NHI or Program	National
Notes for interpretation	
Custodian	Reproductive Health Department

**MOH Malawi – National Health Indicators**

Unique identifier	RHD17N
Indicator name	Unmet need for family planning
Definition	The proportion of women of reproductive age (15-49 years) who are married or in union and who have an unmet need for family planning, i.e. who do not want any more children or want to wait at least two years before having a baby, and yet are not using con
Disaggregation	Type of unmet need (spacing, limiting); Age (15-19, 20-24, 25-29, 30-34, 35-39, 40-44, 45-49); Residence (urban, rural); Region (Northern, Central, Southern); Education (No education, Primary, Secondary, More than secondary); Wealth quantile (Lowest, Seco
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Unmet need for family planning
Global comparable source	WHO Indicator and Measurement Registry
Numerator	Women who are married or in a consensual union who have an unmet need for family planning
Numerator reporting form	Not applicable
Denominator	Total number of women of reproductive age (15-49 years) who are married or in consensual union
Denominator reporting form	DHS Survey
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Region
Reporting frequency	Every 5 years (DHS schedule)
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	RHD

**MOH Malawi – National Health Indicators**

Unique identifier	RHD18N
Indicator name	Demand for family planning satisfied with modern methods
Definition	Percentage of women of reproductive age (15-49 years), who are sexually active, who have their need for family planning satisfied with modern methods
Disaggregation	Age (15-19, 20-24, 25-29, 30-34, 35-39, 40-44, 45-49); Residence (urban, rural); Region (Northern, Central, Southern); Education (No education, Primary, Secondary, More than secondary); Wealth quantile (Lowest, Second, Middle, Fourth, Highest);
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Same
Global comparable source	Global core list of 100 indicators
Numerator	Number of women with family planning demand who use modern methods
Numerator reporting form	
Denominator	Total number of women in need of family planning
Denominator reporting form	DHS Survey
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Region
Reporting frequency	Every 5 years (DHS schedule)
Global 100	Yes
Global 100 domain	Service coverage: RMNCA
NHI or Program	Programme-level
Notes for interpretation	
Custodian	RHD

21 Schistosomiasis indicators

Unique identifier	SCP01P
Indicator name	Schistosomiasis cases
Definition	Reported Schistosomiasis per 1,000 population
Disaggregation	None
IHB 2003	94
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of cases treated for schistosomiasis
Numerator reporting form	HMIS15
Denominator	Estimated mid-year Population
Denominator reporting form	Population projection
Method of calculation	Numerator/ Denominator *1,000
Lowest level of aggregation	District
Reporting frequency	Monthly
Global 100	No
Global 100 domain	
NHI or Program	Program-Level
Notes for interpretation	
Custodian	Schistosomiasis Unit

## 22 Tuberculosis (TB) indicators

Unique identifier	TB01N
Indicator name	TB Notification rate
Definition	Proportion of tuberculosis (TB) cases detected in a given year per 100,000 population. The term "case detection", as used here, means that TB is diagnosed in a patient and is reported within the national surveillance system, and then to WHO.
Disaggregation	Type of TB (bacteriologically confirmed/clinically diagnosed, pulmonary/ extrapulmonary); new / previously treated; Age (0-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, >= 65), Sex
IHB 2003	65
HSSP 2011-2016	NE
Global Comparable	"Case Notification Rate" 1) Numerator: Number of new TB cases reported in the past year (× 100,000) Denominator: Total population in the specified area 2) Numerator: Number of new and relapse TB cases reported in the past year (× 100,000) Denominator:
Global comparable source	<a href="http://whqlibdoc.who.int/hq/2004/WHO_HTM_TB_2004.344.pdf?ua=1">http://whqlibdoc.who.int/hq/2004/WHO_HTM_TB_2004.344.pdf?ua=1</a>
Numerator	Number of TB cases detected
Numerator reporting form	Quarterly TB reporting form
Denominator	Population
Denominator reporting form	Population projection
Method of calculation	Numberator / Denominator * 100,000
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health status: Morbidity
NHI or Program	National
Notes for interpretation	
Custodian	TB



**MOH Malawi – National Health Indicators**

Unique identifier	TB02P
Indicator name	Cure rate among new smear positive TB cases (Under Directly Observed Treatment Short Course)
Definition	Percent of new smear positive pulmonary TB cases registered for treatment that were cured.
Disaggregation	Age (0-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, >= 65), Sex
IHB 2003	67
HSSP 2011-2016	NE
Global Comparable	Percent of new smear positive pulmonary TB cases registered for treatment that were cured and completed treatment (Treatment Success Rate); TB treatment success rate, is the number of new, TB cases in a given year that were cured or completed a full treat
Global comparable source	<a href="http://usaidlearninglab.org/sites/default/files/resource/files/Revised_TB%20indicator%20definitions%20FY_13.pdf">http://usaidlearninglab.org/sites/default/files/resource/files/Revised_TB%20indicator%20definitions%20FY_13.pdf</a> (see for numerator and denominator); <a href="http://mdgs.un.org/unsd/mi/wiki/6-10-Proportion-of-tuberculosis-cases-detected-and-cured-under-directly-ob">http://mdgs.un.org/unsd/mi/wiki/6-10-Proportion-of-tuberculosis-cases-detected-and-cured-under-directly-ob</a>
Numerator	Number of new smear positive cases proved smear negative at the end of treatment
Numerator reporting form	Quarterly TB reporting form
Denominator	Total number of new smear positive cases in the same cohort
Denominator reporting form	Quarterly TB reporting form
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	TB registration center at designated health facilities
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	TB

**MOH Malawi – National Health Indicators**

Unique identifier	TB03N
Indicator name	Tuberculosis death rate
Definition	Number of deaths attributable to tuberculosis (TB) as a percentage of total cases notified in the period
Disaggregation	Type of TB (bacteriologically confirmed/clinically diagnosed, pulmonary/ extrapulmonary); new / previously treated; Age (0-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, >= 65), Sex
IHB 2003	68
HSSP 2011-2016	NE
Global Comparable	Tuberculosis death rate per year per 100,000 population (mid-point) (TB mortality rate is the number of deaths caused by TB in HIV-negative people per 100,000 per year)
Global comparable source	<a href="http://mdgs.un.org/unsd/mdg/Metadata.aspx?IndicatorId=0&amp;SeriesId=647">http://mdgs.un.org/unsd/mdg/Metadata.aspx?IndicatorId=0&amp;SeriesId=647</a>
Numerator	Number of deaths while on TB treatment
Numerator reporting form	Quarterly TB reporting form
Denominator	Total number of TB cases on treatment
Denominator reporting form	Quarterly TB reporting form
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health status: Mortality by cause
NHI or Program	National
Notes for interpretation	
Custodian	TB

**MOH Malawi – National Health Indicators**

Unique identifier	TB04P
Indicator name	Treatment Initiation rate among newly diagnosed smear positive pulmonary TB Patients
Definition	Percentage of newly diagnosed smear positive pulmonary TB patients initiating treatment
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of new smear-positive pulmonary TB cases that have been initiated on treatment during a specified time period
Numerator reporting form	Quarterly TB reporting form
Denominator	Total number of new smear-positive cases detected during the same period
Denominator reporting form	Laboratory register
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health facility
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	TB

**MOH Malawi – National Health Indicators**

Unique identifier	TB05N
Indicator name	TB Treatment Failure Rate
Definition	Percentage of new smear-positive pulmonary TB cases registered in a specified period that are smear positive 5 months or later after initiating treatment
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Numerator: Number of new smear-positive pulmonary TB cases registered in a specified period that are smear positive 5 months or later after initiating treatment Denominator: Total number of new smear-positive pulmonary TB cases registered in the same
Global comparable source	<a href="http://whqlibdoc.who.int/hq/2004/WHO_HTM_TB_2004.344.pdf?ua=1">http://whqlibdoc.who.int/hq/2004/WHO_HTM_TB_2004.344.pdf?ua=1</a> (verified)
Numerator	Number of new smear-positive pulmonary TB cases registered in a specified period that are smear positive 5 months or later after initiating treatment
Numerator reporting form	Quarterly TB reporting form
Denominator	Total number of new smear-positive pulmonary TB cases registered in the same period
Denominator reporting form	District TB register
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health facility
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	TB

**MOH Malawi – National Health Indicators**

Unique identifier	TB06N
Indicator name	Second line treatment coverage among MDR-TB cases
Definition	Percentage of notified TB patients who have been detected with MDR-TB and enrolled in second-line anti-TB treatment during the specified period of assessment.
Disaggregation	New, Previously treated
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	MDR-TB cases (suspected or confirmed) enrolled on MDR-TB treatment. Number of MDR-TB cases (suspected or confirmed) registered and started on a prescribed MDR-TB treatment regimen during the period of assessment. Number of MDR-TB cases (suspected or conf
Global comparable source	<a href="http://whqlibdoc.who.int/hq/2010/WHO_Htm_Tb_2010.11_eng.pdf">http://whqlibdoc.who.int/hq/2010/WHO_Htm_Tb_2010.11_eng.pdf</a>
Numerator	Number of notified TB patients who have been detected with MDR-TB and enrolled in second-line anti-TB treatment during the specified period of assessment
Numerator reporting form	Category IV TB register
Denominator	Total number of confirmed MDR-TB patients
Denominator reporting form	Category IV TB register (District level - 2nd register)  and  Tuberculosis Laboratory Register NTRL-TB (national level - 1st register)
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health systems: Quality and safety of care
NHI or Program	National
Notes for interpretation	
Custodian	TB

**MOH Malawi – National Health Indicators**

Unique identifier	TB07N
Indicator name	Lost to follow up (TB default rate)
Definition	Percentage of TB cases registered in a specified period that interrupted treatment for more than 2 consecutive months
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Numerator: Number of new smear-positive pulmonary TB cases registered in a specified period that interrupted treatment for more than 2 consecutive months Denominator: Total number of new smear-positive pulmonary TB cases registered in the same period
Global comparable source	<a href="http://whqlibdoc.who.int/hq/2004/WHO_HTM_TB_2004.344.pdf?ua=1">http://whqlibdoc.who.int/hq/2004/WHO_HTM_TB_2004.344.pdf?ua=1</a> (verified)
Numerator	Number of TB cases registered in a specified period that interrupted treatment for more than 2 consecutive months
Numerator reporting form	Quarterly TB reporting form
Denominator	Total number of TB cases on treatment in the same period
Denominator reporting form	District TB register
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health facility
Reporting frequency	Quarterly
Global 100	No
Global 100 domain	
NHI or Program	National
Notes for interpretation	
Custodian	TB

**MOH Malawi – National Health Indicators**

Unique identifier	TB08N
Indicator name	TB Treatment success rate
Definition	Percentage of TB cases successfully treated (cured plus treatment completed) among all new TB cases notified to the national health authorities during a specified period.
Disaggregation	Age (0-4, 5-14, 15 and above), Sex;
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	Global core list of 100 indicators
Numerator	Number of TB cases successfully treated (cured plus treatment completed) among all new TB cases notified to the national health authorities during a specified period
Numerator reporting form	Quarterly TB reporting form
Denominator	All new TB cases notified to the national health authorities during a specified period
Denominator reporting form	District TB register
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health facility
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health systems: Quality and safety of care
NHI or Program	National
Notes for interpretation	
Custodian	TB

**MOH Malawi – National Health Indicators**

Unique identifier	TB09P
Indicator name	Treatment Initiation rate among gene-xpert positive
Definition	Percentage of newly diagnosed gene-xpert positive TB cases
Disaggregation	None
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	
Global comparable source	
Numerator	Number of newly diagnosed gene-xpert positive TB cases initiated on treatment during a specified time period
Numerator reporting form	Quarterly TB reporting form
Denominator	Total number of newly diagnosed gene-xpert positive TB cases during a specified time period
Denominator reporting form	Laboratory register
Method of calculation	$\text{Numerator} / \text{Denominator} * 100$
Lowest level of aggregation	Health facility
Reporting frequency	Quarterly
Global 100	
Global 100 domain	
NHI or Program	Programme-level
Notes for interpretation	
Custodian	TB



**MOH Malawi – National Health Indicators**

Unique identifier	TB10P
Indicator name	Antiretroviral therapy (ART) during TB treatment
Definition	Percentage of HIV-positive TB patients who received (or are receiving) ART during or at the end of TB treatment, among all HIV positive TB patients registered during the reporting period
Disaggregation	Age (15-24; 25-34; 35-44; 45-49), Sex
IHB 2003	NE
HSSP 2011-2016	NE
Global Comparable	Percentage of estimated HIV-positive incident TB cases that received treatment for TB and HIV -or- Proportion of HIV-positive registered TB patients given ART during TB treatment
Global comparable source	<a href="http://whqlibdoc.who.int/publications/2009/9789241598194_eng.pdf?ua=1">http://whqlibdoc.who.int/publications/2009/9789241598194_eng.pdf?ua=1</a>
Numerator	Number of HIV-positive TB patients who received (or are receiving) ART during or at the end of TB treatment, among all HIV positive TB patients registered during the reporting period
Numerator reporting form	Quarterly TB reporting form
Denominator	Total number of HIV-positive TB patients registered during the reporting period
Denominator reporting form	District TB register
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	Health facility
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Service coverage: HIV/TB
NHI or Program	Programme-level
Notes for interpretation	
Custodian	TB (and HIV)

MOH Malawi – National Health Indicators

Unique identifier	TB11P
Indicator name	TB patients, tested for HIV and know their status
Definition	Percentage of TB patients registered who had an HIV test and know their status among the Total number of TB patients in a specified time period
Disaggregation	Age (15-24; 25-34; 35-44; 45-49), Sex
IHB 2003	
HSSP 2011-2016	
Global Comparable	1) Numerator: Total number of newly registered TB patients (registered over a given period of time) who are HIV positive Denominator: Total number of newly registered TB patients (registered over the same given time period) who were tested for HIV and i
Global comparable source	<a href="http://whqlibdoc.who.int/hq/2004/WHO_HTM_TB_2004.344.pdf?ua=1">http://whqlibdoc.who.int/hq/2004/WHO_HTM_TB_2004.344.pdf?ua=1</a>
Numerator	Number of TB patients registered who had an HIV test and know their status among the Total number of TB patients in a specified time period
Numerator reporting form	Quarterly TB reporting form
Denominator	Total number of registered TB patients (registered over the same given time period)
Denominator reporting form	District TB register
Method of calculation	Numerator / Denominator * 100
Lowest level of aggregation	District
Reporting frequency	Quarterly
Global 100	Yes
Global 100 domain	Health status: Morbidity
NHI or Program	Programme-level
Notes for interpretation	
Custodian	TB (and HIV)