



MINISTRY OF HEALTH & POPULATION

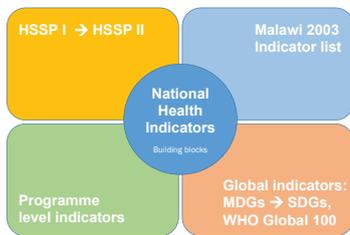
GENERAL GUIDE FOR INTERPRETING HEALTH INDICATORS

See NHI Handbook or <http://dhis2.health.gov.mw:8000/> for more details

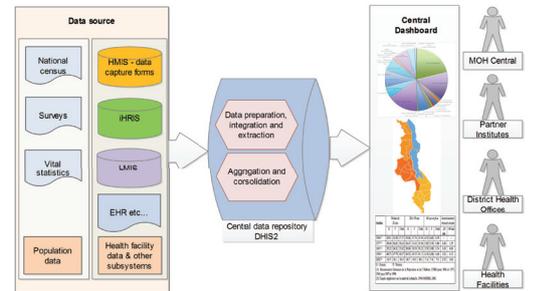
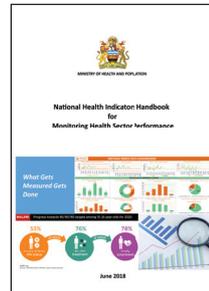
Field Title	Field Definition	Example
Indicator name	A brief description of the indicator, gives a general sense of what is being measured.	Percentage of under-1 year old children fully immunised
Unique Identifier (code)	A unique indicator code	CHD02.2N (Child Health Department, Indicator #2.2, National)
Indicator Definition	A detailed description of the indicator.	Proportion of under-1 year-old children who received a vaccination against tuberculosis (BCG), two doses of Rotavirus vaccine (Rota), three doses of DPT-HepB-Hib (Penta), three doses of polio vaccine after the initial dose at birth (Polio III), three doses of pneumococcal conjugate vaccine (PCV), and one dose of measles vaccine, before 12 months of age.
Numerator	A detailed description of the numerator.	Total number of children who have been fully immunised according to list in the definition during the first year of life
Numerator source	Source of information for the numerator. If a survey, it should specify which one(s). If from the HMIS system, this will give both the register(s) and the reporting form(s).	Under 2 Register; EPI Health facility monthly vaccination performance and disease surveillance report or HMIS 15*
Denominator	A detailed description of the denominator.	Estimated under-1 midyear population
Denominator source	Source of information for the denominator.	Population estimates
Method of calculation	The simple description of the calculation used to produce the indicator.	$(\text{Numerator}/\text{Denominator}) \times 100$
Calculation (HMIS)	This section states how the indicator should be calculated within DHIS 2. This section will list the names of the preferred forms and data elements, providing consistent guidance to DHIS 2 programmers and stakeholders. This ensures indicators are programmed according to calculations that are standard and transparent.	Numerator: HMIS 15 ("HMIS # Fully Immunized under 1 Children") Denominator: Target Population ("CMED- Under 1 Population")
Rationale	The reason this indicator is important to monitor.	Vaccination is one of the most effective and cost-effective ways to improve child survival. Vaccine preventable diseases (targeted by the routine immunisation programmes) are major causes of childhood morbidity and mortality.
Notes for interpretation	Provides information useful to understanding what the values of the indicator means.	This indicator is based upon the Malawian EPI program's definition of fully immunised. Health services records are the ideal source of this indicator; however, given the current quality of reporting, survey results are likely more accurate. 1. Underreporting from private and public clinics may alter estimates. 2. Healthcare utilisation by non-Malawians may result in higher estimates. 3. Accuracy of population estimate may bias results.
Custodian of the indicator	Department or Programme primarily responsible for the indicator.	Child Health
Baseline / recent estimates	The most recent available data on an indicator.	63.9%(DHIS2,2015,HMIS15dataset,94.6%reportingrate); 42.5% (DHIS2, 2015, EPI dataset, 59.6% reporting rate)
Targets (2018; 2020; 2022)	Targets, set by the custodian, for the years 2018, 2020, and 2022.	88%; 90%; 92%

NATIONAL HEALTH INDICATORS FOR MONITORING HEALTH SECTOR PERFORMANCE

Documenting standards and guidance for priority indicators to ensure consistent measurement and use across the health sector



Refer to the full handbook for indicator guidance on definitions, data sources, DHIS2 data elements, calculations, targets, and interpretation.



1. Child health indicators

- Children under five years of age with diarrhoea receiving oral rehydration salts (ORS) packets (survey-based)
- Percentage of under-1 year-old children fully immunised (survey-based / HMIS-based)
- Pentavalent III coverage (survey-based / HMIS-based)
- Percentage of 1-year-old children immunized against measles (survey-based / HMIS-based)
- Neonatal mortality rate (NMR) (survey-based)
- Institutional neonatal mortality rate (HMIS-based)
- Infant mortality rate (IMR) (survey-based)
- Under-five mortality rate (U5MR) (survey-based)
- Pneumonia incidence rate in children under-5 year old children

2. Clinical services indicators

- Essential health package (EHP) Coverage
- Outpatient service utilisation (OPD visits per 1,000 population)
- Client satisfaction with health services

3. CMED (Central Monitoring & Evaluation Division) indicators

- Facility Reporting Rate (Completeness)
- Percentage of facility-based births/deaths reported to civil registration authorities

4. Community Health indicators

- Health Centre Advisory Committees (HCACs) that are active
- Health Posts operating and supporting integrated community health service delivery

5. DHTSS – Pharmacy indicators

- Percent of facilities reporting stock-outs of essential tracer medicines

6. Environmental health indicators

- Percentage of households with access to an improved water source (survey-based / HMIS-based)
- Percentage of households with access to improved sanitation (survey-based / HMIS-based)
- Health facilities with basic WASH facilities
- Households with access to handwashing facilities with soap and water
- Villages that are declared open defaecation free (ODF)

7. Epidemiology indicators

- International Health Regulations (IHR) core capacity index

8. HIV / AIDS indicators

- HIV incidence
- ART coverage among known HIV-infected pregnant women at ANC
- Antiretroviral Therapy (ART) coverage
- ART retention rate (12 months)

9. Human resource indicators

- Health worker density and distribution
- Health centres that meet minimum staffing norms.

10. Malaria indicators

- Malaria incidence rate (presumed and confirmed)
- Malaria parasite prevalence among children 6-59 months
- Inpatient malaria deaths
- Use of insecticide-treated nets (ITN)
- Intermittent preventive therapy for malaria during pregnancy (IPTp) (Survey-based / HMIS-based)

11. Non-communicable diseases indicators

- Road traffic accident mortality rate
- Suicide mortality rate
- Probability of death from cardiovascular diseases, cancer, diabetes, or chronic respiratory diseases
- Prevalence of heavy episodic drinking among adults
- Tobacco use among persons aged 18+ years.

12. Nursing and Midwifery indicators

- Average length of stay (ALOS)
- Bed turnover rate
- Bed occupancy rate
- Hospital bed density
- Crude in-patient death rate

13. Nutrition indicators

- Vitamin A supplementation coverage (survey-based / HMIS-based)
- Stunting prevalence (under-five)
- Wasting prevalence (under-five)
- Overweight prevalence (under-five)
- Minimum acceptable diet for children 6-23 months
- Percentage of children 6-59 months with anaemia
- Percentage of low birthweight (LBW) infants (survey-based)
- Institutional percentage of low birthweight infants (HMIS-based)

14. Physical assets management (PAM) indicators

- Health facilities with functioning water, electricity, communication and HVAC
- Functional essential medical equipment

15. Policy and planning indicators (DPPD)

- Percentage of the population living within 8km of a health facility
- Government total expenditure on health as a percentage of total government expenditure
- Out-of-pocket payment for health care
- Total health expenditure per capita
- Universal Health Coverage (UHC) Index

16. Reproductive health indicators

- Maternal Mortality Ratio (survey-based)
- Institutional Maternal Mortality Ratio (HMIS-based)
- Total Fertility Rate
- Adolescent fertility rate
- Antenatal care coverage (Survey-based / HMIS-based)
- Births attended by skilled health personnel (Survey-based / HMIS-based)
- Modern contraceptive prevalence rate
- Demand for family planning satisfied with modern methods
- Postpartum care coverage
- Cervical cancer screening
- Institutional percentage of low birthweight infants (HMIS-based)

17. Tuberculosis indicators

- TB Notification rate
- Second line treatment coverage among MDR-TB cases
- TB Treatment success rate
- HIV-positive TB patients on ART during TB treatment (Survey-based / HMIS-based)