



UNITED ARAB EMIRATES
MINISTRY OF HEALTH & PREVENTION

DATA DICTIONARY COMPLETE INDICATOR LIST

The data dictionary provides the met data of every indicator which is reported or will be reported in future by Ministry of Health and Prevention, UAE.

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1. INTRODUCTION

1.1 Data Dictionary Overview

The Statistics and Research Department (SARC) of Ministry of Health & Prevention, UAE (MOHAP) reports various sets of indicators nationally as well as internationally to the authorities like World Health Organization. As the required set of indicators across the initiatives belong to different standards from different organizations across the globe, it is essential to normalize the requirements and maintain a single data dictionary for all the reporting initiatives together.

This document provides a detailed list of indicators for each of the initiative along with concerned calculation methodology adopted in MOHAP and the source of information for the calculations.

Indicator Criteria

The details of each indicator are provided in the document. Any set of conditions is qualified to be recognized as an indicator only if the conditions are satisfying the below criteria

1. Quantifiable

The indicator should be quantifiable and have a definite output or outcome. Any condition which cannot be quantified or weighed or ordinated cannot be considered as an indicator

2. Relevant

An indicator must fit the purpose of measuring the desired outcomes. For every indicator the rationale for creating an indicator must be defined which will help a user understand the existence and relevance for the indicator

3. Focused

An indicator must be focused and specific what it is required to measure and should not be confounded by other factors

4. Time-bound

The indicator should define a certain set of timelines for considering the data for its evaluation. This will also help the organization to plan the data collection accordingly

5. Achievable

The required data to evaluate the indicator should be

readily available or can be collected at an affordable cost

6. User-friendly

Every indicator must be easy to understand and should be comprehended even by people who do not possess great expertise in that domain

1.2 Data Dictionary Elements

Every indicator is defined by certain set of elements which include its unique identifier, classification, definition, calculation methodology and the source of data used to calculate the indicators. For the current data dictionary, every indicator is defined using multiple parameters which are as given below:

1.2.1 Indicator ID

It is the unique identifier SARC uses to identify every indicator distinctly. This identified is a combination of characters and number which is unique across all the reporting initiatives which are needed to be worked on by SARC.

1.2.2 Indicator Classification

An indicator can fall under one or more initiatives and hence it is essential to classify every indicator for which initiative it belongs to. The first level classification is done at initiative level which will be further drilled down to individual indicator category and type. Currently, this data dictionary is limited to following initiatives and can be further extended for other reporting initiatives.

1.2.2.1 WHO Core Indicators

These are the list of indicators which are defined by WHO and implemented by each of countries around the globe

1.2.2.2 National Agenda Indicators

These are the set of indicators defined at national level to understand the quality of health of the population and device specific initiatives for the insights gained from them

1.2.2.3 SDG Indicators

The SDG indicators are defined to monitor sustainability development goals of the healthcare environment across the nation

1.2.2.4 Competitiveness Indicators

The competitiveness indicators are released to rank a country as per indicators. These indicators are reported in multiple indicators books of competitiveness.

1.2.2.5 National Health Workforce Account (NHWA) Indicators

The National Health Workforce Account indicators are defined to monitor health workforce and facilitate the standardization of a health workforce information system for interoperability, as well as to support tracking HRH policy performance towards universal health coverage.

1.2.2.6 International Health Organization (ILO) Indicators

The ILO indicators are essential to monitor the work-related injuries and diseases occurring due to employment or work environment hazards

1.2.2.7 Quality Indicators

Quality indicators are list of quality of indicators defined by Department of Health, Abu Dhabi which help them understand the quality of healthcare provided to the patients visiting the healthcare facilities in Abu Dhabi. The indicators are majorly focused on patient safety, effectiveness of care provided to the patient and health outcomes for the treatment given to the patients. For latest updates on quality indicators please refer to : <https://www.haad.ae/JAWDA> Quality Indicators

1.2.3 Indicator Category

This is the highest level of sub-classification within an initiative. For every initiative, the indicators are first divided into categories. The categories may vary as per the initiative. For e.g. WHO has 5 major categories as health status, risk factors, service coverage, health systems and health determinants while SDG indicators are divided into tiers like Tier 1, Tier 2 or Tier 3. This high-level classification provides the priorities of the indicators and overview of the initiative.

1.2.4 Indicator Type

The indicator type identifies the focus area of the indicators which could be anything ranging from a specific disease type, a disease, a healthcare process or a regulatory statistic. A focus area is always essential no only to club to indicators

but also to define the commonality of the problem, its co-incident effects, and solutions for those problems.

1.2.5 Indicator Name and Description

As the name suggests, these fields are the literal identifier and explanation of the indicator. An indicator name is a title given to each indicator to identify it uniquely in the initiative. Along with indicator name a brief description is provided for every indicator which explains the conditions each indicator needs to use for calculating the desired values and outcomes for the given indicator

1.2.6 Denominator

A subset of the initial patient population (i.e., Patients with diabetes. For some measures the initial patient population and the Denominator are the same). Example – All patients 65 years of age and older with diabetes.

1.2.7 Numerator

A subset of the denominator population for whom a process or outcome of care occurs. It represents a clinical action to be counted as meeting an indicator's requirements (i.e. patients who received the service or obtained a particular outcome that is being measured). Example – Patients who had a diabetic foot exam.

1.2.8 Unit and Unit Type of the Indicator

Unit is a single unit of measurement using which a value for indicator is defined in a particular type of unit. Example – an indicator can be showed using the unit per 1000 elements and the unit type will be number.

1.2.9 Data Sources

Every KPI calculation requires a logic and a data for calculating that logic. Since the KPIs belong to different domains and different focus areas, the kind of data required for each KPI will be different. Hence, it is essential to identify and document data sources for each of the KPI.

1.2.9.1 MOHAP Data Sources

These are the data sources used by MOHAP to calculate the KPIs depending on the data availability. Every KPI can have multiple data sources and these data sources are prioritized as per the needs.

1.2.9.2 Preferred Data Sources

For every KPI defined by an initiative, the initiative committee also roles out a probable list of data sources for each of the indicator thus guiding the SARC department to fulfill the data requirement

1.2.9.3 Alternate Data Sources

The preferred data sources may not be available for every KPI or may not be applicable for a particular KPI. In such case, the initiative committee has also provided the alternate mediums of getting the data to complete the data collection process for SARC

1.2.10 Data Elements Requirement

Every KPI has data requirement and may not need all the tables from a database or all the columns from a single table. Hence it is essential to define each of the data entity requirements along with the granular attributes.

1.2.10.1 Entity

Entity is a characteristic or domain or a table in a database or subject area under which a singular workflow or healthcare subject area belongs to. E.g. Patient, Encounter etc.

1.2.10.2 Attributes

Attribute is a piece of information which determines the properties of a field or tag in a database or a string of characters in a display

1.3 Terminology and Definitions

1.3.1 Definitions

Doctor: Any person who holds a Bachelor of Medicine and Surgery and has been licensed by any of the providers of health service to work in the government or private sector and includes the general practitioner, specialist and consultant does not include dentists

Nurse: Any person who holds a scientific qualification in nursing (higher / above average / average) and has been licensed by any of the providers of health service in the state to work in the government or private sector.

Bed: The bed is the bed used in the inpatient departments of the hospital for admission of patients and does not include the beds used for operational purpose (infant babies in the wings or special care for the new born in hospital / operating rooms / delivery rooms / nursing / family beds)

Medical error: It is committed by the medical profession due to any of the following reasons:

- Lack of knowledge regarding commonly used standards across the healthcare providers who belong to same degree and specialization
- Not following rules defined by professional and medical authorities
- Lack of due diligence

- Neglect and do not follow caution
- Do not follow Federal Law No (4) of 2016 on medical liability or do not perform activities in accordance to the executive regulations of the Decree related to the law of standards for serious medical error

Health establishment: An organization that is licensed from the competent authorities to practice and provide preventive and curative services (internal / external) to the population in the given geography.

Accredited hospitals: Governmental and private hospitals that have been licensed for a period of three years and obtained accreditation according to the approved regulations of the Ministry of Health and Community Protection.

BMI for Adults: Body mass index (BMI) is calculated as Weight in kg / (Length in meters)

1. (20 - 24.9) normal weight
2. (25 - 29.9) high weight
3. (30 - 34.9) first-class obesity
4. (35 - 39.9) second-class obesity
5. (greater than 40) third-class obesity (excessive)

Adult Obesity: Excess weight of the body because of the accumulation of excessive amounts of fatty tissue, but that this increase is not the result of an increase in muscles, such as athletes or the accumulation of water in the body, such as swelling and ascites, or large in the structure. A person is also considered obese if the BMI is greater than 30 kg / m².

Children Obesity: Children who show a standard deviation higher than the correlation between mean weight and height by +2 or higher according to the tables and maps approved by the World Health Organization in the calculation of obesity in children




Tobacco: When an indicator includes Tobacco consumption; it includes both smoked and smokeless tobacco products. The definition of each of these is given below

Smoked tobacco products: They include the consumption of cigarettes, bidis, cigars, cheroots, pipes, shisha (water pipes), fine-cut smoking articles (roll-your-own), krekets, and any other form of smoked tobacco.













Smokeless tobacco products: They include moist snuff, plug, creamy snuff, dissolvables, dry snuff, gul, loose leaf, red tooth powder, snus, chimo, gutkha, khaini, gudakhu, zarda, quiwam, dohra, tuibur, nasway, naas/naswar, shammah, betel quid, toombak, pan (betel quid), iq'mik, mishri, tapkeer, tombol and any other tobacco product that is sniffed, held in the mouth, or chewed.

2. INDICATOR LIST
















Legends for the indicator list are as below:

Legend	Description
	Administrative Indicators These indicators are those indicators for which data is collected directly from the hospitals or relevant healthcare authorities for calculation.
	Survey based Indicators These indicators require survey to be carried out by Ministry of Health and Prevention, UAE. The indicator is evaluated using the values received during survey.
	Not Reported These indicators are not reported by Ministry of Health and Prevention, UAE as of now

























2.1 WHO Core Indicators

#	Unique Reference Id	Indicators Title	Reported	Frequency
WHO_001	ID_001	Life expectancy at birth		Annual
WHO_002	ID_002	Adult mortality rate between 15 and 60 years of age		Annual
WHO_003	ID_003	Under-five mortality rate		Annual
WHO_004	ID_004	Infant mortality rate		Annual
WHO_005	ID_005	Neonatal mortality rate		Annual
WHO_006	ID_006	Stillbirth rate Mortality by cause		Annual
WHO_007	ID_007	Maternal mortality ratio		Annual
WHO_008	ID_008	TB mortality rate		Annual
WHO_009	ID_009	AIDS-related mortality rate		N / A
WHO_010	ID_010	Malaria mortality rate		Annual
WHO_011	ID_011	Mortality between 30 and 70 years of age from cardiovascular diseases/ cancer/ diabetes or chronic respiratory diseases		Biannual
WHO_012	ID_012	Suicide rate		Annual




























Indicator list

#	Unique Reference Id	Indicators Title	Reported	Frequency
WHO_013	ID_013	Mortality rate from road traffic injuries		Annual
WHO_014	ID_014	Adolescent fertility rate		Annual
WHO_015	ID_015	Total fertility rate		Annual
WHO_016	ID_016	New cases of vaccine-preventable diseases		Biannual
WHO_017	ID_017	New cases of IHR-notifiable diseases and other notifiable diseases		Biannual
WHO_018	ID_018	HIV incidence rate		N / A
WHO_019	ID_019	HIV prevalence rate		N / A
WHO_020	ID_020	Hepatitis B surface antigen prevalence		Annual
WHO_021	ID_021	Sexually transmitted infections (STIs) incidence rate		Annual
WHO_022	ID_022	TB incidence rate		Annual
WHO_023	ID_023	TB notification rate		Annual
WHO_024	ID_024	TB prevalence rate		Annual
WHO_025	ID_025	Malaria parasite prevalence among children aged 6–59 months		Annual
WHO_026	ID_026	Malaria incidence rate		Annual
WHO_027	ID_027	Cancer incidence, by type of cancer		Annual

2.1.2 Risk Factors

#	Unique Reference Id	Indicators Title	Reported	Frequency
WHO_028	ID_028	Exclusive breastfeeding rate 0–5 months of age		3 – 5 years
WHO_029	ID_029	Early initiation of breastfeeding (within 1 hour of birth)		3 – 5 years
WHO_030	ID_030	Incidence of low birth weight among newborns		Annual
WHO_031	ID_031	Children under 5 years who are stunted		3 – 5 years
WHO_032	ID_032	Children under 5 years who are wasted		3 – 5 years
WHO_033	ID_033	Anemia prevalence in children		Annual
WHO_034	ID_034	Anemia prevalence in women of reproductive age		Annual
WHO_035	ID_035	Condom use at last sex with high-risk partner		N / A
WHO_036	ID_036	Population using safely managed drinking-water services		Annual
WHO_037	ID_037	Population using safely managed sanitation services		Annual
WHO_038	ID_038	Population using modern fuels for cooking/heating/lighting		Annual
WHO_039	ID_039	Air pollution level in cities		Annual
WHO_040	ID_040	Total alcohol per capita (age 15+ years) consumption		3 – 5 years
WHO_041	ID_041	Tobacco use among persons aged 18+ years		3 – 5 years
WHO_042	ID_042	Children aged under 5 years who are overweight		Annual
WHO_043	ID_043	Overweight and obesity in adults (Also: adolescents)		Annual
WHO_044	ID_044	Raised blood pressure among adults		Annual
WHO_045	ID_045	Raised blood glucose/diabetes among adults		Annual
WHO_046	ID_046	Salt intake		3 – 5 years
WHO_047	ID_047	Insufficient physical activity in adults (Also: adolescents)		3 – 5 years
WHO_048	ID_048	Intimate partner violence prevalence		N / A
WHO_105	ID_105	Children under 5 who are obese		3 – 5 years
WHO_106	ID_041	Tobacco use (13 - 15)		3 – 5 years
WHO_107	ID_041	Tobacco use (15+ years)		3 – 5 years






2.1.3 Service Coverage

#	Unique Reference Id	Indicators Title	Reported	Frequency
WHO_049	ID_049	Demand for family planning satisfied with modern methods		3 – 5 years
WHO_050	ID_050	Contraceptive prevalence rate		3 – 5 years
WHO_051	ID_051	Antenatal care coverage		Annual
WHO_052	ID_052	Births attended by skilled health personnel		Annual
WHO_053	ID_053	Postpartum care coverage		Annual
WHO_054	ID_054	Care-seeking for symptoms of pneumonia		N / A
WHO_055	ID_055	Children with diarrhea receiving oral rehydration solution (ORS)		Annual
WHO_056	ID_056	Vitamin A supplementation coverage		3 – 5 years
WHO_057	ID_057	Immunization coverage rate by vaccine for each vaccine in the national schedule		Annual
WHO_058	ID_058	People living with HIV who have been diagnosed		N / A
WHO_059	ID_059	Prevention of mother-to-child transmission		N / A
WHO_060	ID_060	HIV care coverage		N / A
WHO_061	ID_061	Antiretroviral therapy (ART) coverage		Annual
WHO_062	ID_062	HIV viral load suppression		N / A
WHO_063	ID_063	TB preventive therapy for HIV-positive people newly enrolled in HIV care		N / A
WHO_064	ID_064	HIV test results for registered new and relapse TB patients		N / A
WHO_065	ID_065	HIV-positive new and relapse TB patients on ART during TB treatment		N / A
WHO_066	ID_066	TB patients with results for drug susceptibility testing		N / A
WHO_067	ID_067	TB case detection rate		N / A
WHO_068	ID_068	Second-line treatment coverage among multidrug-resistant tuberculosis (MDR-TB) cases		N / A
WHO_069	ID_069	Intermittent preventive therapy for malaria during pregnancy (IPTp)		N / A
WHO_070	ID_070	Use of insecticide treated nets (ITNs)		N / A
WHO_071	ID_071	Treatment of confirmed malaria cases		Annual
WHO_072	ID_072	Indoor residual spraying (IRS) coverage		N / A
WHO_073	ID_073	Coverage of preventive chemotherapy for selected neglected tropical diseases		N / A
WHO_074	ID_074	Cervical cancer screening		Annual
WHO_075	ID_075	Coverage of services for severe mental health disorders		Annual

2.1.4 Health System





#	Unique Reference Id	Indicators Title	Reported	Frequency
WHO_076	ID_076	Perioperative mortality rate		Annual
WHO_077	ID_077	Obstetric and gynecological admissions owing to abortion		N / A
WHO_078	ID_078	Institutional maternal mortality ratio		Annual
WHO_079	ID_079	Maternal death reviews		N / A
WHO_080	ID_080	ART retention rate		N / A
WHO_081	ID_081	TB treatment success rate		N / A
WHO_082	ID_082	Service-specific availability and readiness		N / A
WHO_083	ID_083	Service utilization		N / A
WHO_084	ID_084	Health service access		N / A
WHO_085	ID_085	Hospital bed density		Annual
WHO_086	ID_086	Availability of essential medicines and commodities		Annual
WHO_087	ID_087	Health worker density and distribution		Annual
WHO_088	ID_088	Output training institutions		N / A
WHO_089	ID_089	Birth registration coverage		Annual
WHO_090	ID_090	Death registration coverage		Annual
WHO_091	ID_091	Completeness of reporting by facilities		N / A
WHO_092	ID_092	Total current expenditure on health (% of gross domestic product)		Annual
WHO_093	ID_093	Current expenditure on health by general government and compulsory schemes (% of current expenditure on health)		N / A
WHO_094	ID_094	Out-of-pocket payment for health (% of current expenditure on health)		3 – 5 years
WHO_095	ID_095	Externally sourced funding (% of current expenditure on health)		N / A
WHO_096	ID_096	Total capital expenditure on health (% current + capital expenditure on health)		N / A
WHO_097	ID_097	Headcount ratio of catastrophic health expenditure		N / A
WHO_098	ID_098	Headcount ratio of impoverishing health expenditure		N / A
WHO_099	ID_099	International Health Regulations (IHR) core capacity index		Annual

2.1.5 Health Determinants




#	Unique Reference Id	Indicators Title	Reported	Frequency
WHO_100	ID_100	Population Size		Annual
WHO_101	ID_101	Population Growth rate		Annual
WHO_102	ID_102	Net primary School Enrolment		Annual
WHO_103	ID_103	Population below the international poverty line		N / A
WHO_104	ID_104	Adult literacy rate (15 - 24 years)		Annual

2.2 National Agenda Indicators



2.2.1 Mortality

#	Unique Reference Id	Indicators Title	Reported	Frequency
NAI_001A	ID_120	Mortality rate due to cardiovascular diseases per 100,000 population - Crude rate		Annual
NAI_001B	ID_120	Mortality rate due to cardiovascular diseases per 100,000 population - Age standardized rate		Annual
NAI_002A	ID_122	Mortality rate due to cancer per 100,000 population - Crude rate		Annual
NAI_002B	ID_122	Mortality rate due to cancer per 100,000 population - Age standardized rate		Annual

2.2.2 Resource Indicators and Health Infrastructure

#	Unique Reference Id	Indicators Title	Reported	Frequency
NAI_003	ID_106	Number of practicing physicians per 1000 population		Annual
NAI_004	ID_107	Number of practicing nurses per 1000 population		Annual
NAI_005	ID_085	Number of used inpatient beds per 1000 population		Annual

2.2.3 Operational

#	Unique Reference Id	Indicators Title	Reported	Frequency
NAI_006	ID_108	Rate of medical malpractice cases per 100000 treated cases		Annual
NAI_007	ID_109	Percentage of hospitals granted accreditation		Annual

2.2.4 Health Lifestyles





















#	Unique Reference Id	Indicators Title	Reported	Frequency
NAI_008	ID_042	Percentage of children (aged between 5 -17 years) with obesity		Annual
NAI_009	ID_045	Percentage of the population with diabetes in the age group (20 - 79) years		Annual
NAI_010	ID_041	Prevalence of smoking or using any tobacco products		3 – 5 years

2.2.5 Healthcare Quality Index














#	Unique Reference Id	Indicators Title	Reported	Frequency
NAI_011	ID_110	Average healthy life expectancy		Annual
NAI_012A	ID_111	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Level of satisfaction with health care		Annual
NAI_012B	ID_112	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Percentage of children immunized with triple immunization with DPT 3 (age 1223- months)		Annual
NAI_012C	ID_113	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Percentage of children immunized against measles (age 12 - 23 months)		Annual
NAI_012D	ID_114	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Percentage of population with obesity		Annual
NAI_012E	ID_115	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Percentage of population with diabetes (18 years and over) in the population		Annual
NAI_012F	ID_116	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Age Standardized Mortality rate (all causes)		Annual
NAI_012G	ID_117	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Years lost due to tuberculosis per 100,000 population		Annual
NAI_012H	ID_118	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Life expectancy at birth.		Annual
NAI_012I	ID_119	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Exposure to health problems		Annual
NAI_012J	ID_037	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Improved sanitation facilities		3 – 5 years
NAI_012K	ID_121	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Joy indicator		3 – 5 years
NAI_012L	ID_123	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Sadness Indicator		3 – 5 years

2.3 Sustainability Development Goals







2.3.1 Tier 1

#	Unique Reference Id	Indicators Title	Reported	Frequency
2.1.2	ID_124	Prevalence of moderate or severe food insecurity in the population, based on the Food Insecurity Experience Scale (FIES)		N / A
2.2.1	ID_031	Prevalence of stunting among children under 5 years of age		3 – 5 years
2.2.2	ID_032	Prevalence of wasting and overweight among children under 5 years of age		3 – 5 years
3.1.2	ID_052	Births attended by skilled health personnel		Annual
3.2.1	ID_003	Under 5 mortality (per 1,000 live births)		Annual
3.2.2	ID_005	Neonatal mortality (per 1,000 live births)		Annual
3.3.2	ID_022	Tuberculosis incidence per 100,000 population		Annual
3.3.3	ID_026	Malaria incidence per 1000 population		Annual
3.3.5	ID_073	Number of people requiring interventions against neglected tropical diseases		N / A
3.5.2	ID_040	Alcohol Consumption		3 – 5 years
3.6.1	ID_013	Death rate due to road traffic injuries		Annual
3.7.1	ID_049	Demand for family planning satisfied with modern methods		3 – 5 years
3.9.1	ID_125	Mortality rate attributed to household and ambient air pollution		Annual
3.a.1	ID_041	Age-standardized prevalence of current tobacco use among persons aged 15 years and older		3 – 5 years
3.c.1	ID_087	Health worker density and distribution per 10,000 population		Annual
6.1.1	ID_137	Proportion of population using safely managed drinking water service		Annual
6.2.1	ID_138	Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water		Annual
7.1.2	ID_139	Proportion of population with primary reliance on clean fuels and technology		N / A
11.6.2	ID_140	Annual mean levels of fine particulate matter (e.g. PM2.5 and PM10) in cities (population weighted)		N / A
16.1.1	ID_141	Number of victims of intentional homicide per 100,000 population, by sex and age		N / A

2.3.2 Tier 2










#	Unique Reference Id	Indicators Title	Reported	Frequency
1.a.2	ID_136	Proportion of total government spending on essential services (education, health and social protection)		N / A
3.1.1	ID_007	Maternal mortality (per 100,000 live births)		Annual
3.3.1	ID_018	HIV Incidence Rate		N / A
3.3.4	ID_126	Hepatitis B incidence per 100 000 population		Annual
3.4.1	ID_011	Mortality rate attributed to cardiovascular disease, cancer, diabetes or chronic respiratory disease		Biannual
3.4.2	ID_012	Suicide Mortality rate		Annual
3.7.2	ID_014	Adolescent birth rate (aged 10–14 years; aged 15–19 years) per 1000 women in that age group		Annual
3.9.2	ID_127	Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene		Annual
3.9.3	ID_128	Mortality rate attributed to unintentional poisoning		Annual
3.d.1	ID_099	International Health Regulations (IHR) capacity and health emergency preparedness		Annual
5.6.1	ID_129	Proportion of women aged 15-49 years who make their own informed decisions regarding sexual relations, contraceptive use and reproductive health care		3 – 5 years
13.1.1	ID_141	Number of deaths, missing persons and persons affected by disaster per 100,000 people		N / A
16.1.2	ID_143	Conflict-related deaths per 100,000 population, by sex, age and cause		N / A

2.3.3 Tier 3









#	Unique Reference Id	Indicators Title	Reported	Frequency
3.5.1	ID_130	Coverage of treatment interventions (pharmacological, psychosocial and rehabilitation and aftercare services) for substance use disorders		N / A
3.8.1	ID_131	Coverage of essential health services		N / A
3.8.2	ID_133	Proportion of population with large household expenditures on health as a share of total household expenditure or income		N / A
3.b.1	ID_134	Proportion of the population with access to affordable medicines and vaccines on a sustainable basis		N / A
3.b.2	ID_135	Total net official development assistance to medical research and basic health sectors		N / A
5.6.2	ID_132	Number of countries with laws and regulations that guarantee women aged 1549- access to sexual and reproductive health care, information and education		N / A

2.4 Competitiveness Indicators





2.4.1 Competitiveness Yearbook

#	Unique Reference Id	Indicators Title	Reported	Frequency
FCSA_001	ID_144	Total health expenditure (%)		Annual
FCSA_002	ID_145	Total health expenditure per capita		3 – 5 years
FCSA_003	ID_146	Public expenditure on health (%)		Annual
FCSA_004	ID_147	Health infrastructure		N / A
FCSA_005	ID_001	Life expectancy at birth		Annual
FCSA_006	ID_148	Healthy life expectancy		N / A
FCSA_007	ID_004	Infant mortality		Annual
FCSA_008A	ID_106	Medical assistance (Physician)		Annual
FCSA_008B	ID_107	Medical assistance (Nurse)		Annual


2.4.2 Global Competitiveness Report

#	Unique Reference Id	Indicators Title	Reported	Frequency
FCSA_009	ID_026	Malaria incidence		Annual
FCSA_010	ID_149	Business impact of malaria		N / A
FCSA_011	ID_022	Tuberculosis incidence		Annual
FCSA_012	ID_150	Business impact of tuberculosis		N / A
FCSA_013	ID_019	HIV prevalence		N / A
FCSA_014	ID_151	Business impact of HIV/AIDS		N / A
FCSA_015	ID_004	Infant mortality		Annual
FCSA_016	ID_001	Life expectancy		Annual



2.4.3 World Tourism and Travel Competitiveness Report

#	Unique Reference Id	Indicators Title	Reported	Frequency
FCSA_017	ID_106	Physician density		Annual
FCSA_018	ID_085	Hospital beds		Annual
FCSA_019	ID_019	HIV prevalence (% population)		N / A
FCSA_020	ID_026	Malaria incidence per 100,000 population		Annual











2.4.4 Human Development Report

#	Unique Reference Id	Indicators Title	Reported	Frequency
FCSA_021	ID_001	Life expectancy at birth		Annual


2.4.5 Human Capital Report

#	Unique Reference Id	Indicators Title	Reported	Frequency
FCSA_022	ID_001	Healthy life expectancy at birth		Annual
FCSA_023	ID_152	Healthy life years beyond age 65		N / A





















2.4.6 Legatum Indicator Report

#	Unique Reference Id	Indicators Title	Reported	Frequency
FCSA_024	ID_045	Diabetes Prevalence		Annual
FCSA_025	ID_154	Health problems		N / A
FCSA_026	ID_057	Immunization against DPT		Annual
FCSA_027	ID_057	Immunization against Measles		Annual
FCSA_028	ID_037	Improved Sanitation Facilities		N / A
FCSA_029	ID_001	Life Expectancy at Birth		Annual
FCSA_030	ID_116	Mortality Rate		Annual
FCSA_031	ID_043	Obesity Prevalence		Annual
FCSA_032	ID_155	Satisfaction with Healthcare		N / A
FCSA_033	ID_008	TB Deaths		Annual

2.4.7 IMD








#	Unique Reference Id	Indicators Title	Reported	Frequency
FCSA_034	ID_156	Health Infrastructure		N / A

2.4.8 Sustainability and Development Goals Report








#	Unique Reference Id	Indicators Title	Reported	Frequency
FCSA_035	ID_032	Prevalence of wasting in children under 5 years of age (%)		3 – 5 years
FCSA_036	ID_043	Prevalence of obesity (%)		Annual
FCSA_037	ID_003	Mortality rate, under-5 (per 1,000 live births)		Annual
FCSA_038	ID_007	Maternal mortality rate (per 100,000 live births)		Annual
FCSA_039	ID_005	Neonatal mortality rate (per 1000 live births)		Annual
FCSA_040	ID_019	HIV prevalence (per 1,000)		N / A
FCSA_041	ID_022	Incidence of tuberculosis (per 100,000 people)		Annual
FCSA_042	ID_157	Prevalence of undernourishment (% of population)		Annual
FCSA_043	ID_031	Prevalence of stunting (low height-for-age) in children under 5 years of age (%)		3 – 5 years
FCSA_044	ID_014	Adolescent fertility rate (births per 1,000 women ages 1519-)		Annual
FCSA_045	ID_001	Healthy life expectancy at birth (years)		Annual
FCSA_046	ID_057	Percentage of surviving infants who received 2 WHO recommended vaccines (%)		Annual
FCSA_047	ID_158	Daily smokers (% of population aged 15+)		3 – 5 years
FCSA_048	ID_036	Access to improved water source (% of population)		Annual
FCSA_049	ID_037	Access to improved sanitation facilities (% of population)		Annual
FCSA_050	ID_089	Registered births (%)		Annual
FCSA_051	ID_011	Death rate from NCDs (per 100,000)		Biannual
FCSA_052	ID_125	Death rate from household and ambient pollution (per 100,000)		Annual
FCSA_053	ID_052	Births attended by skilled health personnel (%)		Annual
FCSA_054	ID_159	UHC Tracer Index (0100-)		N / A

2.5 National Health workforce Account (NHWA)










2.5.1 Active health workforce stock

#	Unique Reference Id	Indicators Title	Reported	Frequency
1.01	ID_169	Density of health workers per 10000 population		N / A
1.02	ID_170	Density of active health workers per 10000 population at subnational level		N / A
1.03	ID_171	Percentage of active health workers in different age groups		N / A
1.04	ID_172	Percentage of female health workers in active health workforce		N / A
1.05	ID_173	Percentage of active health workers employed by type of facility ownership		N / A
1.06	ID_174	Percentage of active health workers employed by facility type		N / A
1.07	ID_175	Percentage of active foreign-born health workers		N / A
1.08	ID_176	Percentage of active foreign-trained health workers		N / A
1.09	ID_177	Percentage of workers in the health and social sector to total civilian workers		N / A









2.5.2 Health Workforce in Education

#	Unique Reference Id	Indicators Title	Reported	Frequency
2.01	ID_178	Existence of a master list of accredited health workforce education and training institutions that is up to date and available in the public domain (Yes/No/Partly)		N / A
2.02	ID_179	Duration of health workforce education and training, by health workforce education and training program		N / A
2.03	ID_180	Ratio of applications for health workforce education and training to training places		N / A
2.04	ID_181	Ratio of admissions in health workforce education and training programs to available places		N / A
2.05	ID_182	Ratio of students enrolled in health workforce education and training programs to qualified educators in a given year		N / A
2.06	ID_183	Rate of students from a cohort exiting a health workforce education and training program without completion		N / A
2.07	ID_184	Ratio of the number of students graduating from a health workforce education and training program		N / A








2.5.3 Education Regulation

#	Unique Reference Id	Indicators Title	Reported	Frequency
3.01	ID_185	Existence of national and/or subnational standard on the duration and content of health workforce education and training (Yes/No/Partly)		N / A
3.02	ID_186	Existence of national and/or subnational mechanisms for accreditation of health workforce education and training institutions and their programs (Yes/No/Partly)		N / A
3.03	ID_187	Existence of national and/or subnational standards for social accountability in accreditation mechanisms (Yes/No/Partly)		N / A
3.04	ID_188	National and/or subnational standards for social accountability in accreditation mechanisms are effectively implemented (Yes/No/Partly)		N / A
3.05	ID_189	Existence of national and/or subnational standards for the social determinants of health in accreditation mechanisms (Yes/No/Partly)		N / A
3.06	ID_190	Existence of national and/or subnational standards for interprofessional education in accreditation mechanisms (Yes/No/Partly)		N / A
3.07	ID_191	Existence of cooperation between health workforce education and training institutions and regulatory bodies to agree on accreditation standards (Yes/No/Partly)		N / A
3.08	ID_192	Existence of national systems for continuing professional development (Yes/No/Partly)		N / A
3.09	ID_193	Existence of in-service training as an element of national education plans for the health workforce (Yes/No/Partly)		N / A




2.5.4 Education Finances

#	Unique Reference Id	Indicators Title	Reported	Frequency
4.01	ID_194	Total expenditure on higher health education		N / A
4.02	ID_195	Total expenditure on health workforce pre-service education (current and capital)		N / A
4.03	ID_196	Average tuition fee per student per year enrolled in health workforce education and training		N / A
4.04	ID_197	Investment in transformative education and training (Yes/No/Partly)		N / A
4.05	ID_198	Expenditure per graduate enrolled in health workforce education and training program		N / A
4.06	ID_199	Recurrent costs of specialist medical education per graduate		N / A
4.07	ID_200	Cost of qualified educators per graduate		N / A
4.08	ID_201	Total expenditure on in-service training and continuing professional development		N / A








2.5.5 Health Labour Market Flows

#	Unique Reference Id	Indicators Title	Reported	Frequency
5.01	ID_202	Ratio of previous year graduates who started practice to total number of previous year graduates		N / A
5.02	ID_203	Ratio of newly active domestic trained health workers to total stock of active health workers		N / A
5.03	ID_204	Percentage of newly active foreign-trained health workers to total stock of active health workers		N / A
5.04	ID_205	Ratio of active health workers voluntarily leaving the health sector labour market to total stock of active health workers		N / A
5.05	ID_206	Ratio of active health workers involuntarily leaving the health sector labour market to total stock of active health workers, by occupation, by sex		N / A
5.06	ID_207	Unemployment rate		N / A
5.07	ID_208	Ratio of unfilled posts to total number of posts		N / A

2.5.6 Employment Characteristics and Working Conditions

#	Unique Reference Id	Indicators Title	Reported	Frequency
6.01	ID_209	Number of standard working hours per week as per national law/standards		N / A
6.02	ID_210	Percentage of employed health workers with a part-time contract		N / A
6.03	ID_211	Existence of national/subnational policies/laws regulating working hours and conditions (Yes/No/Partly)		N / A
6.04	ID_212	Existence of national/subnational policies/laws regulating minimum wage (Yes/No)		N / A
6.05	ID_213	Existence of national/subnational policies/laws regulating social protection (Yes/No/Partly)		N / A
6.06	ID_214	Percentage of active health workers who are self-employed		N / A
6.07	ID_215	Existence of national/subnational policies/laws regulating dual practice (Yes/No)		N / A
6.08	ID_216	Existence of national/subnational policies/laws regulating compulsory service (Yes/No)		N / A
6.09	ID_217	Existence of national/subnational policies/laws for prevention of attacks on health workers (Yes/No/Partly)		N / A
6.10	ID_218	Number of attacks on health-care system in the past 12 months		N / A






2.5.7 Health Workforce Spending and Remuneration

#	Unique Reference Id	Indicators Title	Reported	Frequency
7.01	ID_219	Total expenditure on health workforce		N / A
7.02	ID_220	Total incoming financial support received from official development assistance allocated to health workforce		N / A
7.03	ID_221	Total expenditure on compensation of health workers		N / A
7.04	ID_222	Public expenditure on compensation of health workers		N / A
7.05	ID_223	Average entry-level wage and salary excluding social contributions		N / A
7.06	ID_224	Existence of national/subnational policies or standards on public sector wage ceilings (Yes/No)		N / A
7.07	ID_225	Gender wage gap		N / A









2.5.8 Employment Characteristics and Working Conditions

#	Unique Reference Id	Indicators Title	Reported	Frequency
8.01	ID_226	Percentage of health workforce working in hospitals		N / A
8.02	ID_227	Percentage of health workforce working in residential long-term care facilities		N / A
8.03	ID_228	Percentage of health workforce working in ambulatory health care (primary health care level facilities)		N / A
8.04	ID_229	Density of specialist surgical workers per 100 000 population		N / A
8.05	ID_230	Density of family medicine practitioners per 100 000 population		N / A
8.06	ID_231	Existence of advanced nursing roles (Yes/No/Partly)		N / A
8.07	ID_232	Availability of human resources to implement International Health Regulation core capacity requirements (None/ Limited/ Developed/ Demonstrated/ Sustainable)		N / A
8.08	ID_233	Existence of an applied epidemiology training program (None/ Limited/ Developed/ Demonstrated/ Sustainable)		N / A

2.5.9 Performance and Productivity





#	Unique Reference Id	Indicators Title	Reported	Frequency
9.01	ID_234	Existence of institutional mechanisms or bodies to coordinate an intersectoral health workforce agenda (Yes/No/Partly)		N / A
9.02	ID_235	Existence of a health workforce unit in the Ministry of Health responsible for developing and monitoring policies and plans on health workforce (Yes/No/Partly)		N / A
9.03	ID_236	Existence of mechanisms and models for health workforce planning (Yes/No/Partly)		N / A
9.04	ID_237	Existence of national education plans for the health workforce, aligned with the national health plan and the national health workforce strategy/ plan (Yes/No/Partly)		N / A
9.05	ID_238	Existence of institutional models for assessing and monitoring staffing needs for health service delivery (Yes/No/Partly)		N / A

2.5.10 Health Workforce Governance, Information Systems and Planning






#	Unique Reference Id	Indicators Title	Reported	Frequency
10.01	ID_239	Ability of HRHIS to generate information to report on International Health Regulations (Yes/No/Partly)		N / A
10.02	ID_240	Ability of HRHIS to generate information to report on implementation of the WHO Global Code of Practice on the International Recruitment of Health Personnel (Yes/No/Partly)		N / A
10.03	ID_241	Ability of HRHIS to generate information for reporting on skilled attendance at birth requirements (Yes/No/Partly)		N / A
10.04	ID_242	Ability of HRHIS to generate information for reporting on outputs from education and training institutions (Yes/No/Partly)		N / A
10.05	ID_243	Ability of HRHIS to generate information to track entrants to the labour market (Yes/No/Partly)		N / A
10.06	ID_244	Ability of HRHIS to generate information to track active stock on the labour market (Yes/No/Partly)		N / A
10.07	ID_245	Ability of HRHIS to generate information to track exits from the labour market (Yes/No/Partly)		N / A
10.08	ID_246	Ability of HRHIS to generate geocoded information on the location of health facilities (Yes/No/Partly)		N / A

2.6 ILO

2.6.1 Occupational Injury
















#	Unique Reference Id	Indicators Title	Reported	Frequency
ILO_001	ID_160	Number of Overall injuries		Annual
ILO_002	ID_161	Number of Fatal Injuries		Annual
ILO_003	ID_162	Number of Non-Fatal/Major/Serious Injuries		N / A
ILO_004	ID_163	Number of Occupational Diseases		N / A

2.6.2 Workplace Injury








#	Unique Reference Id	Indicators Title	Reported	Frequency
ILO_005	ID_164	Overall Injury Rate		Annual
ILO_006	ID_165	Fatal Injuries Rate		Monthly
ILO_007	ID_166	Major Injuries Rate		N / A
ILO_008	ID_167	Minor Injuries Rate		N / A
ILO_009	ID_168	Occupational Disease Incidence Rate		N / A

2.7 Quality Indicators





2.7.1 Patient Safety

#	Unique Reference Id	Indicators Title	Reported	Frequency
QI001	ID_247	Count of procedures involving wrong patient or wrong body parts		Quarterly
QI002	ID_248	Count of incidents where Haemolytic blood transfusion reactions have occurred due to ABO incompatibility		Quarterly
QI003	ID_249	Rate of selected reported Adverse Incidents (level 13- as in the attached guidance) out of all persons bed days/1000		Quarterly
QI004	ID_250	Rate of Surgical Site Infection (SSI) for selected procedures		Quarterly
QI005	ID_251	Rate of Perioperative Pulmonary Embolism or Deep Vein Thrombosis		Quarterly
QI006	ID_252	Count of healthcare acquired MDRO infection/ colonization in all inpatients		Quarterly
QI012	ID_258	Rate of Falls resulting in any injury per 1000 person bed days (patient days)		Quarterly
QI013	ID_259	Rate of hospital acquired or worsening Pressure Ulcers (Stage II and above) per 1000 person bed days (inpatient patient days)		Quarterly
QI016	ID_262	CAUTI rate per 1000 device days (all inpatients)		Quarterly
QI017	ID_263	CLABSI Rate per 1000 Central Line-Days (all inpatients)		Quarterly
QI018	ID_264	Surgical Site Infection (SSI) per 100 Appendectomy procedures		Quarterly
QI019	ID_265	Emergency primary Caesarian Section rate		Quarterly
QI020	ID_266	Elective primary Caesarian Section rate		Quarterly
QI021	ID_267	Surgical Site Infection (SSI) per 100 emergency Caesarian Section		Quarterly
QI022	ID_268	Surgical Site Infection (SSI) Per 100 elective Caesarian Section		Quarterly

2.7.2 Effectiveness

#	Unique Reference Id	Indicators Title	Reported	Frequency
QI007	ID_253	Rate of unplanned readmission for planned Hernia Repair		Quarterly
QI008	ID_254	Rate of unplanned readmission for planned primary Knee Replacement		Quarterly
QI009	ID_255	Rate of unplanned readmission for unplanned Pneumonia		Quarterly
QI010	ID_256	Rate of unplanned readmission for unplanned Urinary Tract Infection (UTI)		Quarterly
QI011	ID_257	Count of Cardiopulmonary arrests outside critical care area in a given period		Quarterly
QI014	ID_260	Rate of unplanned readmissions for unplanned Heart Failure		Quarterly
QI015	ID_261	Rate of unplanned readmission for unplanned Appendectomy		Quarterly

2.7.3 Outcome

#	Unique Reference Id	Indicators Title	Reported	Frequency
QI023	ID_269	Perinatal Mortality rate per 1000 births		Quarterly
QI024	ID_270	Perinatal Mortality - corrected rate per 1000 births		Quarterly
QI025	ID_005	Neonatal Mortality rate per 1000 births		Quarterly
QI026	ID_271	Neonatal Mortality - corrected rate per 1000 births		Quarterly

3. METADATA FOR WHO INDICATORS

Indicator Id	WHO_001
Unique Reference Id	ID_001
Name	Life expectancy at birth
Description	The average number of years that a newborn could expect to live if he or she were to pass through life exposed to the sex- and age-specific death rates prevailing at the time of his or her birth, for a specific year, in UAE for a territory or geographical area
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by age and sex
Numerator	(from life tables)
Denominator	(from life tables)
Unit	Years
Unit Type	Number
WHO Preferred & Alternate Sources	Civil registration with high coverage, household surveys, population census and sample registration system
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	Death data by age group and date of birthw
Source of data for DOH	NA

Indicator Id	WHO_002
Unique Reference Id	ID_002
Name	Adult mortality rate between 15 and 60 years of age
Description	Probability that a 15-year-old person will die before reaching his or her 60 th birthday. The probability of dying between the ages of 15 and 60 years (per 1000 population) per year among a hypothetical cohort of 100 000 people who would experience the age-specific mortality rate of the reporting year.
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by age and sex
Numerator	Number of deaths at ages 15 to 59 years
Denominator	Number of years of exposure to the risk of death between ages 15 and 59 years
Unit	Ratio
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration with high coverage, household surveys, population census and sample registration system
MOHAP Current Sources	Preventive Medicine Department Data death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)
Source of data for DOH	Mortality Data

Indicator Id	WHO_003
Unique Reference Id	ID_003
Name	Under-five mortality rate
Description	The probability of a child born in a specific year or period dying before reaching the age of 5 years, if subject to age-specific mortality rates of that period, expressed per 1000 live births. The under-five mortality rate as defined here is, strictly speaking, not a rate (i.e. the number of deaths divided by the number of population at risk during a certain period of time) but a probability of death derived from a life table and expressed as a rate per 1000 live births.
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by age and sex
Numerator	Number of deaths among children aged 0–4 years (0–59 months of age), broken down by age groups
Denominator	Number of live births (person-years of exposure)
Unit	Per 1000 live births
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration with high coverage, household surveys and population census
MOHAP Current Sources	Preventive Medicine Department Data death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)
Source of data for DOH	Mortality Data

Indicator Id	WHO_004
Unique Reference Id	ID_004
Name	Infant mortality rate
Description	The probability that a child born in a specific year or period will die before reaching the age of 1 year, if subject to age-specific mortality rates of that period, expressed as a rate per 1000 live births. The infant mortality rate is, strictly speaking, not a rate (i.e. the number of deaths divided by the number of population at risk during a certain period) but a probability.
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by age and sex
Numerator	Number of children who died before their first birthday (0–11 months of age)
Denominator	Number of live births (years of exposure)
Unit	Per 1000 live births
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration with high coverage, household surveys and population census
MOHAP Current Sources	Preventive Medicine Department – Data death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)
Source of data for DOH	Mortality Data

Indicator Id	WHO_005
Unique Reference Id	ID_005
Name	Neonatal mortality rate
Description	Probability that a child born in a specific year or period will die during the first 28 completed days of life if subject to age-specific mortality rates of that period, expressed per 1000 live births. Neonatal deaths (deaths among live births during the first 28 completed days of life) may be subdivided into early neonatal deaths, occurring during the first 7 days of life, and late neonatal deaths, occurring after the 7 th day but before the 28 th completed day of life.
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by age and sex
Numerator	Number of children who died before their first 28 completed days of life
Denominator	Number of live births (years of exposure)
Unit	Per 1000 live births
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration with high coverage, household surveys and population census
MOHAP Current Sources	Preventive Medicine Department – Data death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)
Source of data for DOH	Mortality Data

Indicator Id	WHO_006
Unique Reference Id	ID_006
Name	Stillbirth rate Mortality by cause
Description	Number of stillbirths per 1000 births (live and stillbirths). Stillbirths can occur antepartum or intrapartum. In many cases, stillbirths reflect inadequacies in antenatal care coverage or in intrapartum care. For purposes of international comparison, stillbirths are defined as third trimester fetal deaths (≥ 1000 g or ≥ 28 weeks)
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by age and sex
Numerator	Number of stillbirths
Denominator	Number of births (dead or alive)
Unit	Per 1000 births (dead or alive)
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration and vital statistics system, population-based surveys, Administrative reporting systems, health facility assessments, special studies
MOHAP Current Sources	Preventive Medicine Department – Data death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)
Source of data for DOH	Mortality data/IUFD

Indicator Id	WHO_007
Unique Reference Id	ID_007
Name	Maternal mortality ratio
Description	The annual number of female 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 and site of the pregnancy, expressed per 100 000 live births, for a specified period
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by cause
Numerator	Number of maternal deaths
Denominator	Number of live births
Unit	Per 100,000 live births
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration with high coverage and medical certification of cause of death, regular assessment of misreporting and underreporting, household surveys, population census, sample or sentinel registration systems, and special studies
MOHAP Current Sources	Preventive Medicine Department – Data death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)
Source of data for DOH	Mortality Data

Indicator Id	WHO_008
Unique Reference Id	ID_008
Name	TB mortality rate
Description	Estimated number of deaths attributable to TB for a given year, expressed as a rate per 100 000 population
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by cause
Numerator	Number of deaths due to TB (all forms), excluding deaths in HIV-positive TB cases
Denominator	Number of years of exposure
Unit	Per 100,000 live births
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration with full coverage and cause of death based on ICD, Special studies, sample or sentinel registration systems and population surveys with verbal autopsy
MOHAP Current Sources	Department of Disease Control - Data from Tuberculosis program
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)
Source of data for DOH	Mortality Data

Indicator Id	WHO_009
Unique Reference Id	ID_009
Name	AIDS-related mortality rate
Description	Estimated number of adults and children who have died due to AIDS-related causes in a specific year, expressed as a rate per 100 000 population
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by cause
Numerator	Number of deaths due to AIDS x 100 000
Denominator	Estimated population in the reporting year
Unit	Per 100,000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration with full coverage and cause of death based on ICD, Sample registration systems with causes of death, household surveys with verbal autopsy, modelled estimates
MOHAP Current Sources	Preventive Medicine Department – Data for death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)
Source of data for DOH	Mortality Data

Indicator Id	WHO_010
Unique Reference Id	ID_010
Name	Malaria mortality rate
Description	Number of adults and children who have died due to malaria in a specific year, expressed as a rate per 100 000 population
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by cause
Numerator	Number of deaths due to malaria
Denominator	Number of years of exposure
Unit	Per 100,000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration with full coverage and cause of death based on ICD, Routine facility information systems, household surveys with verbal autopsy, special studies
MOHAP Current Sources	Preventive Medicine Department – Data for death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)
Source of data for DOH	Mortality Data

Indicator Id	WHO_011
Unique Reference Id	ID_011
Name	Mortality between 30 and 70 years of age from cardiovascular diseases/ cancer/ diabetes or chronic respiratory diseases
Description	Unconditional probability of dying between the exact ages of 30 and 70 years from cardiovascular diseases, cancer, diabetes or chronic respiratory diseases
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by cause
Numerator	Number of deaths between ages 30 and 70 years due to the four causes
Denominator	Number of years of exposure
Unit	Per 100,000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration, vital statistics systems, Population-based health surveys with verbal autopsy
MOHAP Current Sources	Preventive Medicine Department – Data for death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death {ICD codes: 100–I99, COO–C97, E10–E14 and J30–J98}, date of death)
Source of data for DOH	Mortality Data

Indicator Id	WHO_012
Unique Reference Id	ID_012
Name	Suicide rate
Description	Suicide rate per 100 000 population in a specified period (age-standardized)
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by cause
Numerator	Number of suicides
Denominator	Number of years of exposure
Unit	Per 100,000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration and vital statistics systems with full coverage and cause of death based on ICD and Special studies
MOHAP Current Sources	Preventive Medicine Department - Data for death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death {ICD codes: E950.0 – E958, 296.2, 296.3, 296.5, 298.0, or 311}, date of death)
Source of data for DOH	Fatal Injuries Data

Indicator Id	WHO_013
Unique Reference Id	ID_013
Name	Mortality rate from road traffic injuries
Description	Number of road traffic fatal injury deaths per 100 000 population (age - standardized)
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Mortality by cause
Numerator	Number of deaths due to road traffic crashes
Denominator	Estimated population in the reporting year
Unit	Per 100,000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration and vital statistics systems with full coverage, population-based health surveys with verbal autopsy, administrative reporting systems (police reports)
MOHAP Current Sources	(Preventive Medicine Department) Data for death by age group, sex & causes
Data Elements	Patient (Demographics), Vitals (cause of death {ICD 10 codes}, date of death)
Source of data for DOH	Fatal Injuries Data

Indicator Id	WHO_014
Unique Reference Id	ID_014
Name	Adolescent fertility rate
Description	Annual number of births to women aged 15–19 years per 1000 women in that age group. It is also referred to as the age-specific fertility rate for women aged 15–19 years
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Fertility
Numerator	Number of live births to women aged 15–19 years
Denominator	Exposure to childbearing by women aged 15–19 years
Unit	per 1000 women (15-19 years)
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration systems with full coverage, Population census and household surveys
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	Raw data for births and mothers' age {women age group (15 -19) years}
Source of data for DOH	Births Data

Indicator Id	WHO_015
Unique Reference Id	ID_015
Name	Total fertility rate
Description	Average number of children that a hypothetical cohort of women would have at the end of their reproductive period if they were subject during their whole lives to the fertility rates of a given period and if they were not subject to mortality. It is expressed as children per woman
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Fertility
Numerator	
Denominator	
Unit	Per 1000 women (15-49 years)
Unit Type	Rate
WHO Preferred & Alternate Sources	Civil registration and vital statistics systems, population-based health surveys, population census
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	Raw data for births and mothers' age {women age group (15 -19) years}
Source of data for DOH	Births Data

Indicator Id	WHO_016
Unique Reference Id	ID_016
Name	New cases of vaccine-preventable diseases
Description	Number of confirmed new cases of vaccine-preventable diseases that are included in the WHO recommended standards for surveillance of selected vaccine-preventable diseases, and vaccine-preventable diseases reported on the WHO-UNICEF reporting form in a specified period.
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of new cases
Denominator	NA
Unit	Cases
Unit Type	Number
WHO Preferred & Alternate Sources	Active surveillance systems with laboratory confirmation
MOHAP Current Sources	Preventive medicine department
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)
Source of data for DOH	NA

Indicator Id	WHO_017
Unique Reference Id	ID_017
Name	New cases of IHR-notifiable diseases and other notifiable diseases
Description	Number of new confirmed cases of IHR-notifiable diseases (immediately notifiable diseases) and other notifiable diseases (diseases that could cause serious public health impact and could spread rapidly internationally) per year
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of new cases
Denominator	NA
Unit	Cases
Unit Type	Number
WHO Preferred & Alternate Sources	Active surveillance systems with laboratory confirmation
MOHAP Current Sources	Preventive medicine department
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)
Source of data for DOH	NA

Indicator Id	WHO_018
Unique Reference Id	ID_018
Name	HIV incidence rate
Description	Number of new HIV infections per 1000 uninfected population. The incidence rate is the number of new cases per population at risk for a given period
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of new HIV infections
Denominator	Uninfected population (which is the total population minus people living with HIV)
Unit	Per 1000 uninfected population
Unit Type	Rate
WHO Preferred & Alternate Sources	Household or key population survey with HIV incidence-testing, Spectrum modelling, regular surveillance system among key populations
MOHAP Current Sources	Currently not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)
Source of data for DOH	NA

Indicator Id	WHO_019
Unique Reference Id	ID_019
Name	HIV prevalence rate
Description	Percentage of people living with HIV. Prevalence measures the frequency of existing disease in a defined population at a specific time
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Total number of infections
Denominator	Total population
Unit	Per 1000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Key population surveys, national population surveys in generalized epidemics, surveillance systems, Active facility-based surveillance system with key population estimates
MOHAP Current Sources	Currently not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)
Source of data for DOH	NA

Indicator Id	WHO_020
Unique Reference Id	ID_020
Name	Hepatitis B surface antigen prevalence
Description	Prevalence of hepatitis B surface antigen (HBsAg)-positive, adjusted for sampling design
Category	Health Status
Sub - classification	Not Reported
Data collection	Not Reported
Type	Morbidity
Numerator	Number of survey participants with HBsAg positive test, adjusted for sampling design
Denominator	Number in survey with HBsAg result
Unit	Per 100 000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Serosurvey, routinely collected HBV vaccine administrative coverage data including the percentage of newborn infants given the first dose within 24 hours of birth (HepB0%) and the percentage of infants having received three doses of hepatitis B vaccine (HepB3 %)
MOHAP Current Sources	Currently not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)
Source of data for DOH	NA

Indicator Id	WHO_021
Unique Reference Id	ID_021
Name	Sexually transmitted infections (STIs) incidence rate
Description	Number of new cases of reported STIs (syndromic or etiological reporting) for a specified period (year)
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of new cases
Denominator	Total population
Unit	Per 100 population
Unit Type	Percentage
WHO Preferred & Alternate Sources	Health Facilities
MOHAP Current Sources	Currently not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)
Source of data for DOH	NA

Indicator Id	WHO_022
Unique Reference Id	ID_022
Name	TB incidence rate
Description	Estimated number of new and relapse TB cases (all forms of TB, including cases in people living with HIV) arising in a year, expressed as a rate per 100 000 population.
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of new and relapse TB cases arising in a specified period
Denominator	Number of person-years of exposure
Unit	Per 100,000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	High quality TB surveillance system (linked to routine facility information system), population-based health surveys with TB diagnostic testing
MOHAP Current Sources	Preventive medicine department (TB data / Population)
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)
Source of data for DOH	National TB Program (MOHAP)

Indicator Id	WHO_023
Unique Reference Id	ID_023
Name	TB notification rate
Description	Number of new and relapse TB cases notified in a given year, per 100 000 population. The term “notification” means that TB is diagnosed in a patient and is reported within the national surveillance system, and then on to WHO.
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of new and relapse cases of TB in a specified time period
Denominator	Number of persons/total population
Unit	Per 100 000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	TB surveillance system linked to routine facility information system
MOHAP Current Sources	Preventive medicine department (TB data / Population)
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)
Source of data for DOH	NA

Indicator Id	WHO_024
Unique Reference Id	ID_024
Name	TB prevalence rate
Description	Number of cases of tuberculosis (all forms) in a population at a given point in time (the middle of the calendar year), expressed as a rate per 100 000 population.
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of TB cases
Denominator	Number of persons/population
Unit	Per 100,000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Population-based TB prevalence surveys/specific population surveys, TB surveillance routine facility information systems, Special studies
MOHAP Current Sources	Preventive medicine department (TB data / Population)
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)
Source of data for DOH	NA

Indicator Id	WHO_025
Unique Reference Id	ID_025
Name	Malaria parasite prevalence among children aged 6 – 59 months
Description	Percentage of children aged 6 – 59 months in the population with malaria parasites in blood
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of children aged 6 – 59 months in the population with malaria parasites in blood
Denominator	Total number of children aged 6 – 59 months tested for malaria parasites by rapid diagnostic test or microscopy
Unit	% of children aged 6 – 59 months
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based surveys with parasite prevalence testing in blood, Routine facility information systems with laboratory confirmation
MOHAP Current Sources	Department of Disease control, Preventive medicine department – Malaria management data by age group & sex nationality
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)
Source of data for DOH	NA

Indicator Id	WHO_026
Unique Reference Id	ID_026
Name	Malaria incidence rate
Description	Number of confirmed reported malaria cases per 1000 persons per year
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of suspected malaria cases confirmed by either microscopy or rapid diagnostic test
Denominator	Population at risk (number of people living in areas where malaria transmission occurs)
Unit	Per 1000 population at risk
Unit Type	Rate
WHO Preferred & Alternate Sources	Surveillance systems
MOHAP Current Sources	Department of Disease control, Preventive medicine department – Malaria management data by age group & sex nationality
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Laboratory Test (Code, Status, Result, Date)
Source of data for DOH	NA

Indicator Id	WHO_027
Unique Reference Id	ID_027
Name	Cancer incidence, by type of cancer
Description	Number of new cancers of a specific site/type occurring per 100 000 population
Category	Health Status
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of new cancer cases diagnosed in a specific year. This may include multiple primary cancers occurring in one patient. The primary site reported is the site of origin and not the metastatic site. In general, the incidence rate would not include recurrences
Denominator	The at-risk population for the given category of cancer. The population used depends on the rate to be calculated. For cancer sites that occur only in one sex, the sex-specific population (e.g. females for cervical cancer) is used
Unit	Per 1000 population at risk
Unit Type	Rate
WHO Preferred & Alternate Sources	Population-based cancer registries which collect and classify information on all new cases of cancer in a defined population
MOHAP Current Sources	Statistics and Research Department – National Cancer Registry data
Data Elements	Patient (Demographics), Diagnosis (Code, Date)
Source of data for DOH	Cancer Incidences

Indicator Id	WHO_028
Unique Reference Id	ID_028
Name	Exclusive breastfeeding rate 0–5 months of age
Description	Percentage of infants 0–5 months of age (<6 months) who are fed exclusively with breast milk
Category	Nutrition
Sub - classification	Administrative
Data collection	Annually
Type	Morbidity
Numerator	Number of infants 0–5 months of age who are exclusively breastfed
Denominator	Total number of infants 0–5 months of age surveyed
Unit	Percentage in total infants 0–5 months of age
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, specific population based surveys
MOHAP Current Sources	Primary health care centers – Maternity care data (Growth / vaccination follow-up)
Data Elements	Patient (Demographics), Vital (Observation value)
Source of data for DOH	NA

Indicator Id	WHO_029
Unique Reference Id	ID_029
Name	Early initiation of breastfeeding (within 1 hour of birth)
Description	Percentage of infants breastfed within 1 hour of birth in a specified period
Category	Risk Factors
Sub - classification	Not Reported
Data collection	Not Reported
Type	Nutrition
Numerator	Number of newborns breastfed within 1 hour of birth
Denominator	Number of live births in a specified period
Unit	Percentage in total born infants
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based health surveys
MOHAP Current Sources	Currently MOHAP is not reporting this indicator
Data Elements	Patient (Demographics), Vital (Observation value)
Source of data for DOH	NA

Indicator Id	WHO_030
Unique Reference Id	ID_030
Name	Incidence of low birth weight among newborns
Description	Percentage of live births that weigh less than 2500 g.
Category	Risk Factors
Type	Nutrition
Sub - classification	Administrative
Data collection	Annually
Numerator	Number of live-born neonates with weight less than 2500 g at birth
Denominator	Number of live births
Unit	Percentage of live births that weigh less than 2500 g
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based health surveys and data from administrative/information systems, Routine facility information systems
MOHAP Current Sources	All Hospitals – Raw data for births and weights
Data Elements	Patient (Demographics), Problem (Code, Onset Date), Vital (Observation Value, Date)
Source of data for DOH	Births Data

Indicator Id	WHO_031
Unique Reference Id	ID_031
Name	Children under 5 years who are stunted
Description	Percentage of stunted (moderate and severe) children aged 0–59 months (moderate = height-for-age below -2 standard deviations from the WHO Child Growth Standards median; severe = height-for-age below -3 standard deviations from the WHO Child Growth Standards median)
Category	Risk Factors
Sub - classification	Survey
Data collection	Not reported
Type	Nutrition
Numerator	Number of children aged 0–59 months who are stunted
Denominator	Total number of children aged 0–59 months who were measured
Unit	Percentage of stunted
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based household surveys, Population-based health surveys with nutrition modules, national surveillance systems
MOHAP Current Sources	National Survey – Obesity survey for children
Data Elements	Patient (Demographics), Problem (Code, Onset Date), Vital (Observation Value, Date)
Source of data for DOH	NA

Indicator Id	WHO_032
Unique Reference Id	ID_032
Name	Children under 5 years who are wasted
Description	Percentage of wasted (moderate and severe) children aged 0–59 months (moderate = weight-for-height below -2 standard deviations of the WHO Child Growth Standards median; severe = weight-for-height below -3 standard deviations of the WHO Child Growth Standards median)
Category	Risk Factors
Sub - classification	Survey
Data collection	Not reported
Type	Nutrition
Numerator	Number of children aged 0–59 months who are wasted
Denominator	Total number of children aged 0–59 months
Unit	Percentage of wasted
Unit Type	Percentage
WHO Preferred & Alternate Sources	National nutrition surveys, Population-based health surveys with nutrition modules, national surveillance systems
MOHAP Current Sources	National Survey – Obesity survey for children
Data Elements	Patient (Demographics), Problem (Code, Onset Date), Vital (Observation Value, Date)
Source of data for DOH	NA

Indicator Id	WHO_033
Unique Reference Id	ID_033
Name	Anemia prevalence in children
Description	Percentage of children aged 6–59 months with a hemoglobin level of less than 110 g/L, adjusted for altitude
Category	Risk Factors
Sub - classification	Survey
Data collection	Not reported
Type	Nutrition
Numerator	Number of children aged 6–59 months with a haemoglobin level of less than 110 g/L, adjusted for altitude
Denominator	Total number of children aged 6–59 months who had haemoglobin levels obtained during the survey
Unit	Percentage of children aged 6–59 months with a haemoglobin level of less than 110 g/L
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based household surveys
MOHAP Current Sources	National Survey – Obesity survey for children
Data Elements	Patient (Demographics), Problem (Code, Onset Date), Vital (Observation Value, Date)
Source of data for DOH	NA

Indicator Id	WHO_034
Unique Reference Id	ID_034
Name	Anemia prevalence in women of reproductive age
Description	Percentage of women aged 15–49 years with a hemoglobin level less than 120 g/L for non-pregnant women and lactating women, and less than 110 g/L for pregnant women, adjusted for altitude and smoking
Category	Risk Factors
Sub - classification	Not reported
Data collection	Annually when reporting starts
Type	Nutrition
Numerator	Number of women aged 15–49 years with haemoglobin levels below the indicated cut-off, adjusted for altitude and smoking
Denominator	Total number of women aged 15–49 years with haemoglobin levels assessed during a specified period
Unit	Percentage of women aged 15–49 years with a haemoglobin level less than 120 g/L for non-pregnant women and lactating women
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based household surveys
MOHAP Current Sources	All hospitals – attendance at of pregnant women and infected with anemia
Data Elements	Patient (Demographics), Diagnosis (Code {D64.9}, Date), Problem (Code, Onset Date), Laboratory Test (Code, Status, Result, Date)
Source of data for DOH	Claims data

Indicator Id	WHO_035
Unique Reference Id	ID_035
Name	Condom use at last sex with high-risk partner
Description	Percentage using a condom during last sexual intercourse with a higher-risk partner (women and men who have more than one sexual partner in the past 12 months; sex workers with most recent client; men who have sex with men anal sex with a male partner; people who inject drugs condom use at last sex). For people who inject drugs, also measure number of needles per person who injects drugs per year
Category	Risk Factors
Sub - classification	Not reported
Data collection	Not reported
Type	Infections
Numerator	NA
Denominator	NA
Unit	Percentage
Unit Type	Percentage
WHO Preferred & Alternate Sources	Surveys
MOHAP Current Sources	Currently, there is no reporting done for this indicator
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_036
Unique Reference Id	ID_036
Name	Population using safely managed drinking-water services
Description	Population using a basic drinking-water source (piped water into dwelling, yard or plot; public taps or standpipes; boreholes or tubewells; protected dug wells; protected springs and rainwater) which is located on premises and available when needed; free of faecal (and priority chemical) contamination and/or regulated by a competent authority
Category	Risk Factors
Sub - classification	Administrative
Data collection	Once in 5 years
Type	Environmental risk factors
Numerator	Population using safely managed drinking-water services
Denominator	Total Population
Unit	Percentage
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, population census, data from administrative sources or regulatory frameworks
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA) - Census data
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_037
Unique Reference Id	ID_037
Name	Population using safely managed sanitation services
Description	Population using a basic sanitation facility (flush or pour-flush toilets to sewer systems, septic tanks or pit latrines, ventilated improved pit latrines, pit latrines with a slab, and composting toilets) which is not shared with other households and where excreta are safely disposed in situ (e.g. in a sealed latrine pit until they are safe to handle and re-use, such as an agricultural input) or transported to a designated place for safe disposal or treatment (e.g. treatment facility or hygienically collected from septic tanks or pit latrines by a suction truck or similar equipment that limits human contact and thereafter transported to a designated location such as a treatment facility or solid waste collection site)
Category	Risk Factors
Sub - classification	Administrative
Data collection	Once in 5 years
Type	Environmental risk factors
Numerator	Population using safely managed sanitation services
Denominator	Total Population
Unit	Percentage
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, population census, data from administrative sources or regulatory frameworks
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA) - Census data
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_038
Unique Reference Id	ID_038
Name	Population using modern fuels for cooking/heating/lighting
Description	Percentage of households/population using modern fuels and technologies for cooking/heating/lighting as defined by the recommendations set forth in the WHO guidelines for indoor air quality: household fuel combustion
Category	Risk Factors
Sub - classification	Administrative
Data collection	Once in 5 years
Type	Environmental risk factors
Numerator	Number of households (population) using modern fuels and technologies for cooking/heating/lighting
Denominator	Total number of households (population)
Unit	Percentage
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, population census, Other sources, including estimation and modelling
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA) - Census data
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_039
Unique Reference Id	ID_039
Name	Air pollution level in cities
Description	Annual mean concentration of particulate matter of less than 2.5 microns of diameter (PM2.5) [ug/m3] (or of less than 10 microns [PM10] if PM2.5 is not available) in cities
Category	Risk Factors
Sub - classification	Administrative
Data collection	Once in 5 years
Type	Environmental risk factors
Numerator	NA
Denominator	NA
Unit	Quality of Air
Unit Type	Rate
WHO Preferred & Alternate Sources	National/subnational/monitoring reports and web sites containing measurements of PM10 or PM2.5 and relevant national agencies, Data from research projects/articles from peer reviewed journals, Development agencies, UN Agencies
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA) - Census data
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_040
Unique Reference Id	ID_040
Name	Total alcohol per capita (age 15+ years) consumption
Description	Total alcohol per capita is the total amount (sum of recorded alcohol per capita three-year average and unrecorded alcohol per capita) of alcohol consumed per adult (15+ years) in a calendar year, in litres of pure alcohol. Recorded alcohol consumption refers to official statistics (production, import, export, and sales or taxation data), while unrecorded alcohol consumption refers to alcohol which is not taxed and is outside the usual system of government control. In circumstances in which the number of tourists per year is at least the number of inhabitants, tourist consumption is also taken into account and is deducted from a country's recorded alcohol per capita
Category	Risk Factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Non-communicable diseases
Numerator	Sum of recorded and unrecorded alcohol consumed in a population during a calendar year, in litre
Denominator	Mid-year resident population aged 15+ for the same calendar year
Unit	Per capita (age 15+ years) consumption
Unit Type	Rate
WHO Preferred & Alternate Sources	Administrative reporting systems for recorded alcohol per capita, and survey data for unrecorded alcohol per capita, Data sets of FAO and United Nations Statistics Division
MOHAP Current Sources	National Survey for Drug
Data Elements	Survey response data elements
Source of data for DOH	NA

Indicator Id	WHO_041
Unique Reference Id	ID_041
Name	Tobacco use among persons aged 18+ years
Description	Age-standardized prevalence of current tobacco use among persons aged 18+ years. “Smoked tobacco products” include the consumption of cigarettes, bidis, cigars, cheroots, pipes, shisha (water pipes), fine-cut smoking articles (roll-your-own), krekets, and any other form of smoked tobacco. “Smokeless tobacco” includes moist snuff, plug, creamy snuff, dissolvables, dry snuff, gul, loose+ leaf, red tooth powder, snus, chimo, gutkha, khaini, gudakhu, zarda, quiwam, dohra, tuibur, nasway, naas/naswar, shammah, betel quid, toombak, pan (betel quid), iq’mik, mishri, tapkeer, tombol and any other tobacco product that is sniffed, held in the mouth, or chewed
Category	Risk Factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Non-communicable diseases
Numerator	Number of current tobacco users aged 18+ years. “Current users” include both daily and non-daily users of smoked or smokeless tobacco
Denominator	All respondents of the survey aged 18+ years
Unit	Per capita (age 15+ years) consumption
Unit Type	Rate
WHO Preferred & Alternate Sources	Population-based (preferably nationally representative) survey
MOHAP Current Sources	National Survey for the use of any type of tobacco
Data Elements	Patient (Demographics), Vital (Observation value, code, Date)
Source of data for DOH	NA

Indicator Id	WHO_042
Unique Reference Id	ID_042
Name	Children aged under 5 years who are overweight
Description	Prevalence of weight-for-height in children aged 0–59 months defined as above +2 standard deviations of the WHO Child Growth Standards median
Category	Risk Factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Non-communicable diseases
Numerator	Number of children aged 0–59 months who are overweight
Denominator	Total number of children aged 0–59 months who were measured
Unit	Percentage of children aged < 5 years who are overweight for age
Unit Type	Percentage
WHO Preferred & Alternate Sources	National nutrition surveys, Population-based health surveys with nutrition modules, national surveillance systems
MOHAP Current Sources	Obesity survey for children
Data Elements	Patient (Demographics), Vital (Observation value, code, Date)
Source of data for DOH	NA

Indicator Id	WHO_043
Unique Reference Id	ID_043
Name	Overweight and obesity in adults (Also: adolescents)
Description	Percentage of adults (18+ years) who are overweight (defined as having a BMI ≥ 25 kg/m ²) and obese (defined as having a BMI ≥ 30 kg/m ²)
Category	Risk Factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Non-communicable diseases
Numerator	Number of respondents aged 18+ years who are overweight. Number of respondents aged 18+ years who are obese. BMI is calculated by dividing weight in kilograms by height in meters squared. Overweight is defined as having a BMI ≥ 25 kg/m ² and obesity is defined as having a BMI ≥ 30 kg/m ²
Denominator	All respondents of the survey aged 18+ years
Unit	Percentage of adults (18+ years) who are overweight
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based (preferably nationally representative) survey in which height and weight were measured
MOHAP Current Sources	World Health Survey
Data Elements	Patient (Demographics), Vital (Observation value, code, Date)
Source of data for DOH	NA

Indicator Id	WHO_044
Unique Reference Id	ID_044
Name	Raised blood pressure among adults
Description	Age-standardized prevalence of raised blood pressure among persons aged 18+ years (defined as systolic blood pressure \geq 140 mmHg and/or diastolic blood pressure \geq 90 mmHg), and mean systolic blood pressure
Category	Risk Factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Non-communicable diseases
Numerator	Number of respondents with systolic blood pressure \geq 140mmHg or diastolic blood pressure \geq 90mmHg. Ideally three blood pressure measurements should be taken and the average systolic and diastolic readings of the second and third measures should be used in this calculation
Denominator	All respondents of the survey aged 18+ years
Unit	Raised blood pressure
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based (preferably nationally representative) survey in which blood pressure was measured, not self-reported
MOHAP Current Sources	World Health Survey
Data Elements	Patient (Demographics), Vital (Observation value, code, Date)
Source of data for DOH	NA

Indicator Id	WHO_045
Unique Reference Id	ID_045
Name	Raised blood glucose/diabetes among adults
Description	Age-standardized prevalence of raised blood glucose/diabetes among persons aged 18+ years or on medication for raised blood glucose (defined as fasting plasma glucose value ≥ 7.0 mmol/L (126 mg/dL) or on medication for raised blood glucose among adults aged 18+ years)
Category	Risk Factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Non-communicable diseases
Numerator	Number of respondents aged 18+ years with fasting plasma glucose value ≥ 7.0 mmol/L (126 mg/dL) or on medication for raised blood glucose. Fasting blood glucose must be measured, not self-reported, and measurements must be taken after the person has fasted for at least eight hours
Denominator	All respondents of the survey aged 18+ years
Unit	Percentage of population with raised blood glucose/diabetes
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based (preferably nationally representative) survey
MOHAP Current Sources	World Health Survey
Data Elements	Patient (Demographics), Vital (Observation value, code, Date), Diagnosis (Date, code)
Source of data for DOH	NA

Indicator Id	WHO_046
Unique Reference Id	ID_046
Name	Salt intake
Description	Age-standardized mean population intake of salt (sodium chloride) per day in grams in persons aged 18+ years
Category	Risk Factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Non-communicable diseases
Numerator	The sum of sodium excretion in urine samples from all respondents aged 18+ years. The gold standard for estimating salt intake is through 24-hour urine collection. However, other methods such as spot urine and food frequency surveys may be more feasible to administer at the population level
Denominator	All respondents of the survey aged 18+ years
Unit	Percentage
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based (preferably nationally representative) survey
MOHAP Current Sources	World Health Survey
Data Elements	Patient (Demographics), Vitals (Observation value, Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_047
Unique Reference Id	ID_047
Name	Insufficient physical activity in adults (Also: adolescents)
Description	Age-standardized prevalence of insufficiently physically active persons aged 18+ years (percentage of adults aged 18+ years not meeting any of the following criteria: 150 minutes of moderate-intensity physical activity per week; 75 minutes of vigorous-intensity physical activity per week; an equivalent combination of moderate- and vigorous-intensity physical activity accumulating at least 600 metabolic equivalent minutes per week (minutes of physical activity can be accumulated over the course of a week but must be of a duration of at least 10 minutes). Metabolic equivalent (MET) is the ratio of a person's working metabolic rate relative to the resting metabolic rate. One metabolic equivalent is defined as the energy cost of sitting quietly and is equivalent to a caloric consumption of 1 kcal/kg per hour. Physical activities are frequently classified by their intensity, using the metabolic equivalent as a reference
Category	Risk Factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Non-communicable diseases
Numerator	<p>Number of respondents where all three of the following criteria are true:</p> <ul style="list-style-type: none"> • weekly minutes* of vigorous activity < 75 minutes; • weekly minutes* of moderate activity < 150 minutes; • weekly metabolic equivalent minutes** < 600. <p>* Weekly minutes are calculated by multiplying the number of days on which vigorous/moderate activity is done by the number of minutes of vigorous/moderate activity per day.</p> <p>** Weekly metabolic equivalent minutes are calculated by multiplying the weekly minutes of vigorous activity by 8 and the number of weekly minutes of moderate activity by 4 and then adding these two results together</p>
Denominator	All respondents of the survey aged 18+ years
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based (preferably nationally representative) survey
MOHAP Current Sources	World Health Survey
Data Elements	Survey data elements for physical activity identification
Source of data for DOH	NA

Indicator Id	WHO_048
Unique Reference Id	ID_048
Name	Intimate partner violence prevalence
Description	Percentage of currently partnered girls and women aged 15–49 years who have experienced physical and/or sexual violence by their current intimate partner in the last 12 months.
Category	Risk Factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Injuries
Numerator	Number of girls and women who currently have an intimate partner, and who report experiencing physical or sexual violence by their current intimate partner in the past 12 months.
Denominator	Total number of girls and women aged 15–49 years surveyed who currently have or had an intimate partner

Indicator Id	WHO_049
Unique Reference Id	ID_049
Name	Demand for family planning satisfied with modern methods
Description	Percentage of women of reproductive age (15–49 years) who are sexually active and who have their need for family planning satisfied with modern methods
Category	Service coverage
Sub - classification	Survey
Data collection	Not reported
Type	Reproductive/ maternal/ newborn/ child and adolescent
Numerator	Number of women with family planning demand who use modern methods
Denominator	Total number of women in need of family planning
Unit	Percentage of women of reproductive age (15–49 years) who are sexually active
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based health surveys
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Not applicable
Source of data for DOH	NA

Indicator Id	WHO_050
Unique Reference Id	ID_050
Name	Contraceptive prevalence rate
Description	Percentage of women aged 15–49 years, married or in union, who are currently using, or whose sexual partner is using, at least one method of contraception, regardless of the method used
Category	Service coverage
Sub - classification	Survey
Data collection	Not reported
Type	Reproductive/ maternal/ newborn/ child and adolescent
Numerator	Number of women using or partner using a contraceptive method
Denominator	Number of women married or in a union
Unit	Percentage of women aged 15–49 years, married or in union
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, Routine facility information systems/health facility assessments and surveys
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Not applicable
Source of data for DOH	NA

Indicator Id	WHO_051
Unique Reference Id	ID_051
Name	Antenatal care coverage
Description	Percentage of women aged 15–49 years with a live birth in a given time period who received antenatal care, four times or more
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Reproductive/ maternal/ newborn/ child and adolescent
Numerator	Number of women aged 15–49 years with a live birth in a given time period who received antenatal care four or more times
Denominator	Total number of women aged 15–49 years with a live birth in the same period
Unit	Percentage of women aged 15–49 years with a live birth in a given time period who received antenatal care, four times or more
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, Routine facility information systems
MOHAP Current Sources	All hospitals – Visits of pregnant women visit one or more visits
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (ID, Date)
Source of data for DOH	Claims data

Indicator Id	WHO_052
Unique Reference Id	ID_052
Name	Births attended by skilled health personnel
Description	Percentage of live births attended by skilled health personnel during a specified time period
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Reproductive/ maternal/ newborn/ child and adolescent
Numerator	Number of births attended by skilled health personnel (doctors, nurses or midwives) trained in providing life-saving obstetric care, including giving the necessary supervision, care and advice to women during pregnancy, childbirth and the postpartum period, to conduct deliveries on their own, and to care for newborns
Denominator	The total number of live births in the same period
Unit	Percentage of live births attended by skilled health personnel
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, Routine facility information systems
MOHAP Current Sources	Hospital based data – Data of births in hospitals to total births
Data Elements	Patient (demographics), Procedure (Code, date)
Source of data for DOH	Births Data

Indicator Id	WHO_053
Unique Reference Id	ID_053
Name	Postpartum care coverage
Description	Percentage of mothers and babies who received postpartum care within two days of childbirth (regardless of place of delivery)
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Reproductive/ maternal/ newborn/ child and adolescent
Numerator	Number of women and babies who received postpartum (period begins immediately after the birth of a child as the mother's body, including hormone levels and uterus size, returns to a non-pregnant state) care within two days of childbirth
Denominator	Total number of women age 15–49 years with a live birth in the specified time period
Unit	Percentage of mothers and babies who received postpartum care within two days of childbirth (regardless of place of delivery)
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, Routine facility information systems/health facility assessments and surveys
MOHAP Current Sources	Data for reproductive attendance from all hospitals
Data Elements	Patient (Demographics), Procedure (Code, Date), Encounter (ID, Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_054
Unique Reference Id	ID_054
Name	Care-seeking for symptoms of pneumonia
Description	Percentage of children under 5 years of age with suspected pneumonia (cough and difficult breathing NOT due to a problem in the chest and a blocked nose) in the two weeks preceding the survey taken to an appropriate health facility or provider
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	Reproductive/ maternal/ newborn/ child and adolescent
Numerator	Number of children with suspected pneumonia in the two weeks preceding the survey taken to an appropriate health provider
Denominator	Number of children with suspected pneumonia in the two weeks preceding the survey
Unit	Percentage of children under 5 years of age with suspected pneumonia
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code), Encounter (ID, Date)

Indicator Id	WHO_055
Unique Reference Id	ID_055
Name	Children with diarrhea receiving oral rehydration solution (ORS)
Description	Percentage of children under 5 years of age with diarrhea in the last two weeks receiving ORS (fluids made from ORS packets or pre-packaged ORS fluids)
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	Reproductive/ maternal/ newborn/ child and adolescent
Numerator	Number of children under 5 years of age with diarrhea in the two weeks preceding the survey given fluid from ORS packets or pre-packaged ORS fluids
Denominator	Number of children with diarrhea in the two weeks preceding the survey
Unit	Percentage of children under 5 years of age with diarrhea in the last two weeks receiving ORS
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, Routine facility information systems
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code), Encounter (ID, Code), Medication (Code), Procedure (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_056
Unique Reference Id	ID_056
Name	Vitamin A supplementation coverage
Description	Percentage of children aged 6–59 months who received two age-appropriate doses of vitamin A in the past 12 months
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	Reproductive/ maternal/ newborn/ child and adolescent
Numerator	Number of children who received two age-appropriate doses of vitamin A supplements in the last 12 months
Denominator	Number of children aged 6–59 months in the survey
Unit	Percentage of children aged 6–59 months who received two age-appropriate doses of vitamin A in the past 12 months
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, Routine facility information systems
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code), Encounter (ID, Code), Medication (Dose), Procedure (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_057
Unique Reference Id	ID_057
Name	Immunization coverage rate by vaccine for each vaccine in the national schedule
Description	Percentage of the target population that has received the last recommended dose for each vaccine recommended in the national schedule by vaccine. This should include all vaccines within a country's routine immunization schedule (e.g., Bacillus Calmette–Guérin (BCG); polio; pneumococcal conjugate vaccine (PCV); rotavirus; diphtheria, tetanus, pertussis-Hepatitis B-Haemophilus influenzae type B vaccine (DTP-HepBHib); measles (MCV); rubella; human papilloma virus (HPV); tetanus toxoid (TT); influenza; and others as determined by the national schedule)
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Immunization
Numerator	The number of individuals in the target group for each vaccine that has received the last recommended dose in the series. For vaccines in the infant immunization schedule, this would be the number of children aged 12–23 months who have received the specified vaccinations before their first birthday
Denominator	The total number of individuals in the target group for each vaccine. For vaccines in the infant immunization schedule, this would be the total number of infants surviving to age one
Unit	Percentage of the target population that has received the last recommended dose for each vaccine
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, facility information systems
MOHAP Current Sources	Data source is Preventive medicine department on "Basic immunization data by age of children less than one year by type of vaccination"
Data Elements	Patient (Demographics), Encounter (ID, Code), Medication (Code, Dose), Procedure (Code, Date)
Source of data for DOH	Vaccinations Data

Indicator Id	WHO_058
Unique Reference Id	ID_058
Name	People living with HIV who have been diagnosed
Description	Percentage of people living with HIV who have been diagnosed
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	HIV
Numerator	Number of people living with HIV who have been diagnosed
Denominator	Estimated number of people living with HIV
Unit	Percentage
Unit Type	Percentage
WHO Preferred & Alternate Sources	Case registry, Surveys and models for estimates
MOHAP Current Sources	As per Policy
Data Elements	Patient (Demographics), Diagnosis (Code, Status, Date)
Source of data for DOH	NA

Indicator Id	WHO_059
Unique Reference Id	ID_059
Name	Prevention of mother-to-child transmission
Description	Percentage of HIV-positive pregnant women provided with ART to reduce the risk of mother-to-child transmission during pregnancy
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	HIV
Numerator	Number of HIV-positive pregnant women who received ART as recommended by WHO
Denominator	Estimated number of HIV-positive pregnant women
Unit	
Unit Type	Percentage
WHO Preferred & Alternate Sources	Routine facility information systems
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code), Encounter (Code)
Source of data for DOH	NA

Indicator Id	WHO_060
Unique Reference Id	ID_060
Name	HIV care coverage
Description	Number and percentage of people living with HIV who are receiving HIV care, as proxied by receipt of at least one of the following during the reporting period: clinical assessment (WHO staging) or CD4 count or viral load or on ART
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	HIV
Numerator	Number of HIV-positive adults and children who received HIV care (as proxied by receipt of at least one of the following during the reporting period: clinical assessment (WHO staging) or CD4 count or viral load)
Denominator	Estimated number of people living with HIV
Unit Type	Percentage
WHO Preferred & Alternate Sources	NA
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code)
Source of data for DOH	NA

Indicator Id	WHO_061
Unique Reference Id	ID_061
Name	Antiretroviral therapy (ART) coverage
Description	Percentage of people living with HIV currently receiving ART among the estimated number of adults and children living with HIV
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	HIV
Numerator	Number of adults and children who are currently receiving ART at the end of the reporting period
Denominator	Estimated number of adults and children living with HIV
Unit Type	Percentage
WHO Preferred & Alternate Sources	Facility Reporting Systems
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Medication (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_062
Unique Reference Id	ID_062
Name	HIV viral load suppression
Description	Percentage of people on ART who are virologically suppressed (VL level ≤ 1000 copies/mL)
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	HIV
Numerator	Number of adults and children living with HIV and on ART who have a suppressed viral load (< 1000 copies/mL)
Denominator	Total number of adults on ART in the past 12 months.
Unit Type	Percentage
WHO Preferred & Alternate Sources	Routine facility information systems, Cross-sectional population-based survey
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Medication (Code, Date), Laboratory Test (Code, Status, Result, Date)
Source of data for DOH	NA

Indicator Id	WHO_063
Unique Reference Id	ID_063
Name	TB preventive therapy for HIV-positive people newly enrolled in HIV care
Description	Number of patients who are started on treatment for latent TB infection expressed as a percentage of the total number newly enrolled in HIV care in a specified time period
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	HIV/TB
Numerator	Total number of people living with HIV newly enrolled in HIV care who are started on treatment for latent TB infection in a specified time period
Denominator	Total number of persons newly enrolled in HIV care – i.e. registered in the pre ART or ART register during the specified time period
Unit	Percentage
Unit Type	Percentage
WHO Preferred & Alternate Sources	Routine facility information systems
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Laboratory Test (Code, Status, Result, Date)
Source of data for DOH	NA

Indicator Id	WHO_064
Unique Reference Id	ID_064
Name	HIV test results for registered new and relapse TB patients
Description	Number of new and relapse TB patients who had an HIV test result recorded in the TB register, expressed as a percentage of the number registered in a specified time period
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	HIV/TB
Numerator	Number of new and relapse TB patients registered during the specified time period who had an HIV test result recorded in the TB register
Denominator	Total number of new and relapse TB patients registered in the TB register in the specified time period
Unit Type	Percentage
WHO Preferred & Alternate Sources	Routine facility information systems
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Laboratory Test (Code, Status, Result, Date)
Source of data for DOH	NA

Indicator Id	WHO_065
Unique Reference Id	ID_065
Name	HIV-positive new and relapse TB patients on ART during TB treatment
Description	Number of HIV-positive new and relapse TB patients who received ART during TB treatment, expressed as a percentage of those registered in a specified time period
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	HIV/TB
Numerator	Total number of HIV-positive new and relapse TB patients started on TB treatment during the specified time period who are already on ART or started on ART during TB treatment
Denominator	Total number of HIV-positive new and relapse TB patients registered during the specified time period
Unit Type	Percentage
WHO Preferred & Alternate Sources	Routine facility information systems
MOHAP Current Sources	Currently this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Laboratory Test (Code, Status, Result, Date), Medication (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_066
Unique Reference Id	ID_066
Name	TB patients with results for drug susceptibility testing
Description	Percentage of TB cases with results for diagnostic drug susceptibility testing for resistance to isoniazid and rifampicin in a specified time period
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Tuberculosis
Numerator	Number of TB cases with drug susceptibility testing results for both isoniazid and rifampicin resistance in a specified time period
Denominator	Number of TB cases identified during the specified time period
Unit Type	Percentage
WHO Preferred & Alternate Sources	Routine facility information systems
MOHAP Current Sources	Under control disease, Preventive medicine department
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Laboratory Test (Code, Status, Result, Date), Medication (Code, Date)
Source of data for DOH	National TB Program (MOHAP)

Indicator Id	WHO_067
Unique Reference Id	ID_067
Name	TB case detection rate
Description	Percentage of estimated new and relapse TB cases detected in a given year under the internationally recommended tuberculosis control strategy. 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. The term "rate" is used for historical reasons. The indicator is a ratio (expressed as a percentage) and not a rate
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Tuberculosis
Numerator	Number of new and relapse cases notified in a given year
Denominator	Number of estimated incident cases in the same year
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	Routine facility information systems
MOHAP Current Sources	Under control disease, Preventive medicine department
Data Elements	Patient (Demographics), Diagnosis (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_068
Unique Reference Id	ID_068
Name	Second-line treatment coverage among multidrug-resistant tuberculosis (MDR-TB) cases
Description	Percentage of notified TB patients estimated to have MDR-TB who were detected with MDR-TB and enrolled on second-line anti-TB treatment in a specified time period
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Tuberculosis
Numerator	Number of rifampicin-resistant MDR-TB cases (presumptive or confirmed) registered and started on a prescribed MDR-TB treatment regimen in a specified time period
Denominator	Estimated number of notified TB patients with MDR-TB
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	Continuous surveillance systems with drug resistance surveys
MOHAP Current Sources	Under control disease, Preventive medicine department
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Laboratory Test (Code, Status, Result, Date), Medication (Code, Date)
Source of data for DOH	National TB Program (MOHAP)

Indicator Id	WHO_069
Unique Reference Id	ID_069
Name	Intermittent preventive therapy for malaria during pregnancy (IPTp)
Description	Percentage of women who received three or more doses of intermittent preventive treatment during antenatal care visits during their last pregnancy
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Malaria
Numerator	Number of women receiving three or more doses of recommended treatment
Denominator	Total number of pregnant women/surveyed with a live birth in the last 2 years
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, facility information systems
MOHAP Current Sources	Under control disease, Preventive medicine department
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Laboratory Test (Code, Status, Result, Date), Medication (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_070
Unique Reference Id	ID_070
Name	Use of insecticide treated nets (ITNs)
Description	Percentage population in malaria-endemic areas who slept under an ITN the previous night
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Malaria
Numerator	Number of people in malaria endemic areas who slept under an ITN
Denominator	Total number of people in malaria endemic areas
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	NA
MOHAP Current Sources	Under control disease, Preventive medicine department
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_071
Unique Reference Id	ID_071
Name	Treatment of confirmed malaria cases
Description	Percentage of confirmed malaria cases that receive first-line antimalarial treatment
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Malaria
Numerator	Number of confirmed malaria cases that receive first line antimalarial treatment
Denominator	Number of confirmed malaria cases
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	NA
MOHAP Current Sources	Under control disease, Preventive medicine department
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Laboratory Test (Code, Status, Result, Date), Medication (Code, Date)
Source of data for DOH	IDN e Notification System

Indicator Id	WHO_072
Unique Reference Id	ID_072
Name	Indoor residual spraying (IRS) coverage
Description	Percentage of population at risk protected by IRS during a specified time period
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Malaria
Numerator	Number of persons protected by IRS
Denominator	Population at risk
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	Population-based health surveys, Administrative reporting systems
MOHAP Current Sources	Under control disease, Preventive medicine department
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_073
Unique Reference Id	ID_073
Name	Coverage of preventive chemotherapy for selected neglected tropical diseases
Description	Proportion of the population living in endemic areas requiring preventive chemotherapy that received treatment for at least one of the selected neglected tropical diseases (schistosomiasis, soil-transmitted helminthiases, lymphatic filariasis , onchocerciasis)
Category	Service coverage
Sub - classification	Not reported
Data collection	Not reported
Type	Neglected tropical diseases
Numerator	Number of people requiring and receiving preventive chemotherapy for at least one of the selected neglected tropical diseases (schistosomiasis, soil-transmitted helminthiases, lymphatic filariasis, onchocerciasis)
Denominator	Number of people requiring preventive chemotherapy for at least one of the selected neglected tropical diseases (schistosomiasis, soil-transmitted helminthiases, lymphatic filariasis, onchocerciasis)
Unit	NA
Unit Type	Number
WHO Preferred & Alternate Sources	Administrative reporting systems, in particular the Joint Application Package for donated medicines, Other sources, including estimation and modelling
MOHAP Current Sources	Currently, this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Laboratory Test (Code, Status, Result, Date), Medication (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_074
Unique Reference Id	ID_074
Name	Cervical cancer screening
Description	Proportion of women aged 30–49 years who report they were screened for cervical cancer using any of the following methods: visual inspection with acetic acid/vinegar (VIA), pap smear, human papilloma virus (HPV) test
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Screening and preventive care
Numerator	Number of women aged 30–49 years who report ever having had a screening test for cervical cancer using any of these methods: VIA, pap smear and HPV test
Denominator	All female respondents aged 30–49 years
Unit	NA
Unit Type	Portion
WHO Preferred & Alternate Sources	Population-based (preferably nationally representative) surveys, Facility-based data
MOHAP Current Sources	National cancer registry, Department of Statistics and Research
Data Elements	Patient (Demographics), Encounter (Code, Date), Procedure (Code, Date), Laboratory Test (Code, Status, Result, Date)
Source of data for DOH	NA

Indicator Id	WHO_075
Unique Reference Id	ID_075
Name	Coverage of services for severe mental health disorders
Description	Percentage of persons with a severe mental disorder (psychosis, bipolar affective disorder, moderate-severe depression) who are using services
Category	Service coverage
Sub - classification	Administrative
Data collection	Annually
Type	Mental Health
Numerator	Number of people receiving services
Denominator	Total number of people in need
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, Facility information systems
MOHAP Current Sources	Data from all hospitals of Psychiatry department
Data Elements	Patient (Demographics), Encounter (Code, Date), Procedure (Code, Date), Diagnosis (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_076
Unique Reference Id	ID_076
Name	Perioperative mortality rate
Description	All-cause death rate prior to discharge among patients having one or more procedures in an operating theatre during the relevant admission
Category	Health systems
Sub - classification	Survey
Data collection	Not reported
Type	Quality and safety of care
Numerator	Number of deaths among patients having one or more procedures in an operating theatre during the relevant admission
Denominator	Total number of surgical procedures
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	Hospital registers linked to routine facility information systems
MOHAP Current Sources	All Hospitals
Data Elements	Patient (Demographics), Encounter (Code, Date), Procedure (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_077
Unique Reference Id	ID_077
Name	Obstetric and gynecological admissions owing to abortion
Description	Percentage of admissions for (spontaneous or induced) abortion-related complications to service delivery points providing inpatient obstetric and gynecological services, among all admissions (except those for planned termination of pregnancy). Abortion is the termination of a pregnancy before the fetus has attained viability – i.e. become capable of independent extra-uterine life. Induced abortion is the deliberate termination of a pregnancy before the fetus has attained viability – i.e. become capable of independent extra-uterine life. Spontaneous abortion is the spontaneous termination of a pregnancy before the fetus has attained viability – i.e. become capable of independent extra-uterine life – and is often referred to as a miscarriage
Category	Health systems
Sub - classification	Not reported
Data collection	Not reported
Type	Quality and safety of care
Numerator	Admissions for abortion-related complications
Denominator	All admissions, except those for planned termination of pregnancy
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	Hospital registers linked to routine facility information systems
MOHAP Current Sources	Currently, this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Encounter (Code, Date), Procedure (Code, Date), Diagnosis (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_078
Unique Reference Id	ID_078
Name	Institutional maternal mortality ratio
Description	Number of maternal deaths among 100 000 deliveries in health facilities/ institutions.
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Quality and safety of care
Numerator	Number of maternal deaths in institutions
Denominator	Total number of deliveries in institutions
Unit	NA
Unit Type	Rate
WHO Preferred & Alternate Sources	Routine facility information systems, maternal deaths surveillance and response systems
MOHAP Current Sources	Preventive medicine department – All mortality Data as per ICD classification
Data Elements	Patient (Demographics), Vitals (Cause of Death, Date), Diagnosis (Code, Date)
Source of data for DOH	Mortality Data

Indicator Id	WHO_079
Unique Reference Id	ID_079
Name	Maternal death reviews
Description	Percentage of maternal deaths occurring in the facility that were audited
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Quality and safety of care
Numerator	Number of health facility maternal deaths reviewed
Denominator	All maternal deaths in facilities
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	Specific monitoring with routine facility information systems
MOHAP Current Sources	Preventive medicine department
Data Elements	Patient (Demographics), Vitals (Cause of Death, Date of Death)
Source of data for DOH	Mortality Data

Indicator Id	WHO_080
Unique Reference Id	ID_080
Name	ART retention rate
Description	Percentage of adults and children with HIV alive and on ART 12, 24, 36 (etc.) months after initiating treatment among patients initiating ART during a specified time period
Category	Health systems
Sub - classification	Not reported
Data collection	Not reported
Type	Quality and safety of care
Numerator	Number of people on ART at 12, 24 and 60 months
Denominator	Total number of people who initiated treatment and should have completed 12, 24, 36 (etc.) months
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	ART register
MOHAP Current Sources	Currently, this indicator is not reported by MOHAP
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Procedure (Code, Date), Encounter (Code, Date), Medication (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_081
Unique Reference Id	ID_081
Name	TB treatment success rate
Description	Percentage of TB cases successfully treated (cured plus treatment completed) among TB cases notified to the national health authorities during a specified period
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Quality and safety of care
Numerator	Number of TB cases registered in a specified period which were successfully treated
Denominator	Total number of TB cases registered in the same period
Unit	NA
Unit Type	Percentage
WHO Preferred & Alternate Sources	TB registry and related quarterly reporting system (or electronic TB registers)
MOHAP Current Sources	Preventive medicine department – TB data
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Procedure (Code, Date), Encounter (Code, Date)
Source of data for DOH	NA

Indicator Id	WHO_082
Unique Reference Id	ID_082
Name	Service-specific availability and readiness
Description	Number of health facilities offering specific services per 10 000 population and meeting minimum service standards based on a set of tracer criteria for specific services, etc.
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Quality and safety of care
Numerator	Number of facilities that offer and meet tracer criteria for specific services: Family planning, Antenatal care, Basic emergency obstetric and neonatal care (BEmONC), Comprehensive emergency obstetric and neonatal care (CEmONC), post-abortion care, Essential newborn care, Immunization, Child health, preventative and curative care, Adolescent health services, Life-saving, commodities for women and children, Malaria diagnosis or treatment, Tuberculosis services, HIV counselling and testing, HIV/AIDS care and support services, Antiretroviral prescription and client management, Prevention of mother-to-child transmission of HIV, Sexually transmitted infections diagnosis or treatment, NCDs diagnosis or management: diabetes, cardiovascular disease, chronic respiratory disease, cervical cancer screening, Basic and comprehensive surgical care, including caesarean section, laparotomy and open fracture Blood transfusion, Laboratory capacity
Denominator	Total number of health facilities and total number of facilities offering specific services
Unit	Number of health facilities offering specific services per 10 000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Health facility assessments
MOHAP Current Sources	Currently, this indicator is not reported by MOHAP
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_083
Unique Reference Id	ID_083
Name	Service utilization
Description	Number of outpatient department visits per person per year
Category	Health systems
Sub - classification	Not reported
Data collection	Not reported
Type	Access
Numerator	Total number of outpatient department visits per year
Denominator	Total population
Unit	Number of outpatient department visits per person per year
Unit Type	
WHO Preferred & Alternate Sources	Routine facility information systems, population-based health surveys
MOHAP Current Sources	Currently, this indicator is not reported by MOHAP
Data Elements	Patient(Demographics), Encounter (Code, Date, Type)
Source of data for DOH	Claims Data (Episodes)

Indicator Id	WHO_084
Unique Reference Id	ID_084
Name	Health service access
Description	Percentage of population living within 5 km of a health facility (total number of health facilities per 10 000 population)
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Access
Numerator	Number of facilities in public and private sectors
Denominator	Total population
Unit	Total number of health facilities per 10 000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Facility database, geospatial modelling, Surveys
MOHAP Current Sources	Statistics and Research center – Data collected from all health centers of UAE
Data Elements	Facility (Address, Place), Statistics (Population)
Source of data for DOH	Facility Licensing Database

Indicator Id	WHO_085
Unique Reference Id	ID_085
Name	Hospital bed density
Description	Total number of hospital beds per 10 000 population
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Access
Numerator	Number of hospital beds (excluding labor and delivery beds)
Denominator	Total population
Unit	Total number of hospital beds per 10 000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Routine facility information systems/national database, Health facility census
MOHAP Current Sources	Statistics and Research center – Data collected from all health centers of UAE
Data Elements	Facility (Address, Place, Beds), Statistics (Population)
Source of data for DOH	Bed Census

Indicator Id	WHO_086
Unique Reference Id	ID_086
Name	Availability of essential medicines and commodities
Description	Percentage of health facilities with essential medicines and life-saving commodities
Category	Health systems
Sub - classification	Not reported
Data collection	Not reported
Type	Access
Numerator	Number of facilities with essential medicines in stock
Denominator	Total number of health facilities
Unit Type	Percentage
WHO Preferred & Alternate Sources	Special facility surveys, Routine facility information systems
MOHAP Current Sources	Currently, this indicator is not reported by MOHAP
Data Elements	Facility (Address, Place), Inventory (Threshold, Count, Name)
Source of data for DOH	NA

Indicator Id	WHO_087
Unique Reference Id	ID_087
Name	Health worker density and distribution
Description	Number of health workers per 1000 population
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Health workforce
Numerator	Number of health workers by cadre
Denominator	Total population
Unit	Number of health workers per 1000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Health worker registry, National health workforce database (aggregate)
MOHAP Current Sources	Statistics and Research center – Data collected from all health centers of UAE
Data Elements	Provider (Demographics), Statistics (Population)
Source of data for DOH	List of Healthcare Professionals

Indicator Id	WHO_088
Unique Reference Id	ID_088
Name	Output training institutions
Description	Number of graduates from health workforce educational institutions (including schools of dentistry, medicine, midwifery, nursing, pharmacy) during the last academic year per 1000 population
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Health workforce
Numerator	Number of graduates of health professions educational institutions in the past academic year
Denominator	Total population
Unit	Number of graduates from health workforce educational institutions (including schools of dentistry, medicine, midwifery, nursing, pharmacy) during the last academic year per 1000 population
Unit Type	Rate
WHO Preferred & Alternate Sources	Administrative reporting systems
MOHAP Current Sources	Statistics and Research center – Data collected from all health centers of UAE
Data Elements	Provider (Demographics)
Source of data for DOH	NA

Indicator Id	WHO_089
Unique Reference Id	ID_089
Name	Birth registration coverage
Description	Percentage of births that are registered within one month of age in a civil registration system
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Health information
Numerator	Number of births registered
Denominator	Total number of births
Unit	
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, Civil registration and vital statistics systems
MOHAP Current Sources	Preventive medicine department – Birth data
Data Elements	Patient (Demographics)
Source of data for DOH	NA

Indicator Id	WHO_090
Unique Reference Id	ID_090
Name	Death registration coverage
Description	Percentage of deaths that are registered (with age and sex)
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Health information
Numerator	Number of deaths registered
Denominator	Total number of deaths
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, Civil registration and vital statistics systems
MOHAP Current Sources	Preventive medicine department – Death data
Data Elements	Patient (Demographics), Vitals (Cause of death, Date of death)
Source of data for DOH	NA

Indicator Id	WHO_091
Unique Reference Id	ID_091
Name	Completeness of reporting by facilities
Description	Percentage of facilities that submit reports within the required deadline
Category	Health systems
Sub - classification	Administrative
Data collection	To be decided
Type	Health information
Numerator	Number of facilities reporting monthly within a given period
Denominator	Total facilities
Unit Type	Percentage
WHO Preferred & Alternate Sources	Routine facility information systems
MOHAP Current Sources	Preventive medicine department – Notification data
Data Elements	Facility (Address, Place, Reports count)
Source of data for DOH	NA

Indicator Id	WHO_092
Unique Reference Id	ID_092
Name	Total current expenditure on health (% of gross domestic product)
Description	Total current expenditure on health as a percentage of gross domestic product
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Health financing
Numerator	Sum of all current expenditure on health (12-month period)
Denominator	Gross domestic product
Unit Type	Percentage
WHO Preferred & Alternate Sources	Administrative reporting systems, Other sources, including estimation and modelling
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	NA
Source of data for DOH	Healthcare Expenditure

Indicator Id	WHO_093
Unique Reference Id	ID_093
Name	Current expenditure on health by general government and compulsory schemes (% of current expenditure on health)
Description	Current expenditure on health by general government and compulsory schemes as a share of total current expenditure on health (expressed as a % of total current expenditure on health). This is the sum of current health outlays paid for in cash or supplied in kind by government entities such as the Ministry of Health, other ministries, parastatal organizations or social security agencies, or by entities running health schemes that are compulsory by law
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Health financing
Numerator	Sum of all current expenditure on health by the government sector and compulsory schemes by law (12-month period)
Denominator	Total current expenditure on health
Unit Type	Percentage
WHO Preferred & Alternate Sources	Administrative reporting systems, Other sources, including estimation and modelling
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	NA
Source of data for DOH	Healthcare Expenditure

Indicator Id	WHO_094
Unique Reference Id	ID_094
Name	Out-of-pocket payment for health (% of current expenditure on health)
Description	Share of total current expenditure on health paid by households out-of-pocket, expressed as a percentage of total current expenditure on health (this is the households' out-of-pocket expenditure).
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Health financing
Numerator	Total household out-of-pocket expenditure for health (12-month period)
Denominator	Total current expenditure on health
Unit Type	Percentage
WHO Preferred & Alternate Sources	Administrative reporting systems, Households consumption survey and National Accounts
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	NA
Source of data for DOH	Healthcare Expenditure

Indicator Id	WHO_095
Unique Reference Id	ID_095
Name	Externally sourced funding (% of current expenditure on health)
Description	Share of total current expenditure on health funded by external (rest of the world) institutional units providing revenues to financing schemes
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Health financing
Numerator	Total external (rest of the world) funding (12-month period)
Denominator	Total current expenditure on health
Unit Type	Percentage
WHO Preferred & Alternate Sources	Survey and administrative reporting systems, Other sources, including estimation and modelling
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	NA
Source of data for DOH	Healthcare Expenditure

Indicator Id	WHO_096
Unique Reference Id	ID_096
Name	Total capital expenditure on health (% current + capital expenditure on health)
Description	Total capital expenditure on health as a percentage of current + capital expenditure on health
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Health financing
Numerator	Sum of all capital expenditure on health (HK) – (12-month period)
Denominator	Current + capital expenditure on health (12 month)
Unit Type	Percentage
WHO Preferred & Alternate Sources	Survey and administrative reporting systems, Other sources, including estimation and modelling
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	NA
Source of data for DOH	Healthcare Expenditure (Expenditure of private providers is not available)

Indicator Id	WHO_097
Unique Reference Id	ID_097
Name	Headcount ratio of catastrophic health expenditure
Description	Proportion of the population (or sub-population) facing catastrophic health expenditures
Category	Health systems
Sub - classification	Not reported
Data collection	Not reported
Type	Health financing
Numerator	Total number of households with catastrophic health expenditure
Denominator	Total number of households
Unit Type	Ratio
WHO Preferred & Alternate Sources	Population-based household expenditure surveys, Health surveys with a module collecting expenditure data
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_098
Unique Reference Id	ID_098
Name	Headcount ratio of impoverishing health expenditure
Description	Proportion of the population (or sub-population) facing impoverishing health expenditures
Category	Health systems
Sub - classification	Administrative
Data collection	Annually
Type	Health financing
Numerator	Total number of households with impoverishing health expenditure
Denominator	Total number of households
Unit Type	Ratio
WHO Preferred & Alternate Sources	Population-based household expenditure surveys, Health surveys with a module collecting expenditure data
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_099
Unique Reference Id	ID_099
Name	International Health Regulations (IHR) core capacity index
Description	Percentage of attributes of 13 core capacities that have been attained at a specific point in time. The 13 core capacities are: (1) National legislation, policy and financing; (2) Coordination and National Focal Point communications; (3) Surveillance; (4) Response; (5) Preparedness; (6) Risk communication; (7) Human resources; (8) Laboratory; (9) Points of entry; (10) Zoonotic events; (11) Food safety; (12) Chemical events; (13) Radionuclear emergencies
Category	Health systems
Sub - classification	Administrative
Data collection	To be decided
Type	Health security
Numerator	Number of attributes attained
Denominator	Total number of attributes
Unit Type	Percentage
WHO Preferred & Alternate Sources	Key informant survey
MOHAP Current Sources	Management of public health policies
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_100
Unique Reference Id	ID_100
Name	Population Size
Description	Defacto population in the country, area or region as of 1July of the year indicated. Figures are presented in thousands.
Category	Health Determinants
Sub - classification	Administrative
Data collection	Annually
Type	Health information
Numerator	NA
Denominator	NA
Unit Type	Number
WHO Preferred & Alternate Sources	Civil registration with complete coverage and population census, Annual Statistical Yearbooks
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA) – Data census
Data Elements	Statistics (Population)
Source of data for DOH	NA

Indicator Id	WHO_101
Unique Reference Id	ID_101
Name	Population Growth rate
Description	Average exponential rate of annual growth of the population over a given period
Category	Health Determinants
Sub - classification	Administrative
Data collection	Annually
Type	Health information
Numerator	Population increase at the end of the time 't'
Denominator	Population at the time t=0
Unit Type	Percentage
WHO Preferred & Alternate Sources	Civil registration with complete coverage and population census, Annual Statistical Yearbooks
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA) – Data census
Data Elements	Statistics (Population)
Source of data for DOH	NA

Indicator Id	WHO_102
Unique Reference Id	ID_102
Name	Net primary School Enrolment
Description	Number of children of official primary school age who are enrolled in primary education as a percentage of the total children of the official school age population. The enrolment of the same age group at secondary level is also included
Category	Health Determinants
Sub - classification	Administrative
Data collection	Annually
Type	Health information
Numerator	NA
Denominator	NA
Unit	
Unit Type	Percentage
WHO Preferred & Alternate Sources	UNESCO records, nation - specific official records of public/private basic educational systems; population census, School based surveys
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA) – Data census
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_103
Unique Reference Id	ID_103
Name	Population below the international poverty line
Description	The national poverty rate is the percentage of the total population living below the national poverty line (less than \$1 a day). The rural poverty rate is the percentage of the rural population living below the national poverty line (or in cases where separate, rural poverty lines is used, the rural poverty line). Urban poverty rate is the percentage of the urban population living below the national poverty line (or in cases where a separate, urban poverty line is used, the urban poverty line). Estimates are based on population-weighted subgroup estimates from household surveys
Category	Health Determinants
Sub - classification	Administrative
Data collection	Annually
Type	Health information
Numerator	Total household income or consumption
Denominator	Household size or "effective" household size (based on household composition)
Unit Type	Percentage
WHO Preferred & Alternate Sources	Nationality representative household surveys, World bank reports
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_104
Unique Reference Id	ID_104
Name	Adult literacy rate (15 - 24 years)
Description	The percentage of population aged 15 - 24 years who can both read and write with understanding a short simple statement on his/her everyday life. Generally, 'literacy' also encompasses 'numeracy', the ability to make simple arithmetic calculations
Category	Health Determinants
Sub - classification	Administrative
Data collection	Annually
Type	Health information
Numerator	Number of literates aged 15 - 24 years
Denominator	Population aged 15 - 24 years
Unit Type	Percentage
WHO Preferred & Alternate Sources	Civil registration and population census
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA) – Data census
Data Elements	NA
Source of data for DOH	NA

Indicator Id	WHO_105
Unique Reference Id	ID_105
Name	Children under 5 who are obese
Description	Percentage of obesity (weight-for-height above +3 standard deviations of the WHO Child Growth Standards median) among children aged 0 -5 years
Category	Risk factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Nutrition
Numerator	Number of children aged 0 - 5 years that are over three standard deviations from the median weight-for-height of the WHO Child Growth Standards
Denominator	Total number of children aged 0 - 5 years that were measured
Unit Type	Percentage
WHO Preferred & Alternate Sources	Household surveys, specific population based surveys and surveillance systems, Health facility based survey
MOHAP Current Sources	National Survey for children
Data Elements	Patient (Demographics), Vital (Observation, Date)
Source of data for DOH	NA

Indicator Id	WHO_106
Unique Reference Id	ID_041
Name	Tobacco use (13 - 15)
Description	Prevalence of current tobacco smoking among youth 13 - 15 years
Category	Risk factors
Sub - classification	Survey
Data collection	Annually
Type	Non-communicable diseases
Numerator	Number of current youth smokers (daily or < daily) of any tobacco product in the population surveyed
Denominator	Total size of the surveyed population (youth smokers and non-smokers)
Unit Type	Percentage
WHO Preferred & Alternate Sources	National surveys - Tobacco specific surveys, Non-Tobacco specific surveys, Specific population surveys and national surveillance system, national statics office, or any other relevant agencies
MOHAP Current Sources	School health survey (For tobacco use)
Data Elements	Patient (Demographics), Vital (Observation, Date)
Source of data for DOH	NA

Indicator Id	WHO_107
Unique Reference Id	ID_041
Name	Tobacco use (15+ years)
Description	Prevalence of current tobacco smoking among 15+ years
Category	Risk factors
Sub - classification	Survey
Data collection	Once in 5 years
Type	Non-communicable diseases
Numerator	Number of current smokers 15+ years (daily or < daily) of any tobacco product in the population surveyed
Denominator	Total size of the surveyed population (15+ years smokers and non-smokers)
Unit Type	Percentage
WHO Preferred & Alternate Sources	National surveys - Tobacco specific surveys, Non-Tobacco specific surveys, Specific population surveys and national surveillance system, national statistical office, or any other relevant agencies
MOHAP Current Sources	School health survey for Adults (For tobacco use)
Data Elements	Patient (Demographics), Vital (Observation, Date)

4. METADATA FOR NATIONAL AGENDA INDICATORS

Indicator Id	NAI_001A
Unique Reference Id	ID_120
Name	Mortality rate due to cardiovascular diseases per 100,000 population - Crude rate
Description	It measures the number of deaths of cardiovascular disease per 100 000 population and includes all the deaths of cardiovascular disease in the country as per ICD 10.
Category	Health Status
Type	Mortality
Numerator	The number of deaths due to cardiovascular disease during a given year multiplied by 100,000
Denominator	Population size for the given period of time
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Current Sources	Annual reports on mortality and issued by the health authorities in the country, Administrative records of deaths
MOHAP Alternate Sources	Not available
Data Elements	Patient (Demographics), Vitals (Cause of death, date of death), Diagnosis (code, date)

Indicator Id	NAI_001B
Unique Reference Id	ID_120
Name	Mortality rate due to cardiovascular diseases per 100,000 population - Age standardized rate
Description	<p>It measures the number of deaths of cardiovascular disease per 100 000 population and includes all the deaths of cardiovascular disease in the country. For raw data, mortality is calculated for each age group and is measured in the same age group as per ICD 10.</p> <p>In case of crude rate availability, the proportion of the population is split by allocating the values as per the weightages defined by WHO for specific age groups.</p> <p>ASR = \sumAge-specific mortality rate*weight of standard population</p>
Category	Health Status
Type	Mortality
Numerator	The number of deaths due to cardiovascular disease during a given year for a age group multiplied by 100,000. In case of crude rate availability, the proportion of the population is split by allocating the values as per the weightages defined by WHO for specific age groups. ASR = \sum Age-specific mortality rate*weight of standard population
Denominator	Population size for the given age group for the given period of time
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Current Sources	Annual reports on mortality and issued by the health authorities in the country, Administrative records of deaths
MOHAP Alternate Sources	Not available
Data Elements	Patient (Demographics), Vitals (Cause of death, date of death), Diagnosis (code, date)

Indicator Id	NAI_002A
Unique Reference Id	ID_122
Name	Mortality rate due to cancer per 100,000 population - Crude rate
Description	It measures the number of cancer deaths per 100 000 population and includes all cancer deaths in the country as per ICD 10
Category	Health Status
Type	Mortality
Numerator	The number of deaths due to cancer during a given year multiplied by 100,000
Denominator	Population size for the given period of time
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Current Sources	Annual reports on mortality and issued by the health authorities in the country, Administrative records of deaths
MOHAP Alternate Sources	Not available
Data Elements	Patient (Demographics), Vitals (Cause of death, date of death), Diagnosis (code, date)

Indicator Id	NAI_002B
Unique Reference Id	ID_122
Name	Mortality rate due to cancer per 100,000 population - Age standardized rate
Description	<p>It measures the number of cancer deaths per 100 000 population and includes all cancer deaths in the country. The mortality rate is calculated for each age group and is measured in the same age group as the ANA CODE</p> <p>In case of crude rate availability, the proportion of the population is split by allocating the values as per the weightages defined by WHO for specific age groups</p> <p>ASR = \sumAge-specific mortality rate*weight of standard population</p>
Category	Health Status
Type	Mortality
Numerator	<p>The number of deaths due to cancer during a given year for the given age group multiplied by 100,000.</p> <p>In case of crude rate availability, the proportion of the population is split by allocating the values as per the weightages defined by WHO for specific age groups and then these age specific values are used as numerator.</p> <p>ASR = \sumAge-specific mortality rate*weight of standard population</p>
Denominator	Population size for the given age group for the given period of time
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Current Sources	Annual reports on mortality and issued by the health authorities in the country, Administrative records of deaths
MOHAP Alternate Sources	Not available
Data Elements	Patient (Demographics), Vitals (Cause of death, date of death), Diagnosis (code, date)

Indicator Id	NAI_003
Unique Reference Id	ID_106
Name	Number of practicing physicians per 1000 population
Description	The number of physicians practicing per 1000 population includes all specialties of physicians except dentistry
Category	Service coverage
Type	Resource indicators and health infrastructure
Numerator	Number of doctors practicing in the health sector in the state (government / private) in a given time period multiplied by 1000
Denominator	Population size for a given time period
Unit	Per 1000 population
Unit Type	Rate
MOHAP Current Sources	Annual reports on manpower and medical licensing departments issued by the health authorities in the country, Administrative records
MOHAP Alternate Sources	Not available
Data Elements	Physician (Demographics), Facility (Id, Address)

Indicator Id	NAI_004
Unique Reference Id	ID_107
Name	Number of practicing nurses per 1000 population
Description	Number of nurses practicing per 1000 population, including all nurses working in health facilities in the state (government / private) and those licensed to practice nursing
Category	Service coverage
Type	Resource indicators and health infrastructure
Numerator	Number of nurses practicing in the health sector in the state (government / private) in a given time period multiplied by 1000
Denominator	Population size for a given time period
Unit	Per 1000 population
Unit Type	Rate
MOHAP Current Sources	Annual reports on manpower and medical licensing departments issued by the health authorities in the country, Administrative records
MOHAP Alternate Sources	Not available
Data Elements	Nurse (Demographics), Facility (ID)

Indicator Id	NAI_005
Unique Reference Id	ID_085
Name	Number of inpatient beds per 1000 population
Description	Number of used inpatient beds per 1000 population
Category	Service coverage
Type	Resource indicators and health infrastructure
Numerator	Number of used inpatient beds in hospitals in a given year multiplied by 1000
Denominator	Population size for a given time period
Unit	Per 1000 population
Unit Type	Rate
MOHAP Current Sources	Annual reports issued by the state health authorities, Administrative records for the inventory of health facilities
MOHAP Alternate Sources	Not available
Data Elements	Facility (ID, Name, Address, Bed count)

Indicator Id	NAI_006
Unique Reference Id	ID_108
Name	Rate of medical malpractice cases per 100,000 treated cases
Description	It measures the number of cases of medical malpractice per 100,000 admitted cases in hospitals (Government / Private)
Category	Service coverage
Type	Operational
Numerator	The number of complaints in which a medical error has been proven (because of negligence, non-compliance of internationally recognized professional standards) multiplied by 100000
Denominator	Total number of hospital admissions (government / private)
Unit	Per 100,000 hospital admissions
Unit Type	Rate
MOHAP Current Sources	The annual reports issued by the health authorities in the state regarding the accounting of complaints submitted by patients and health facilities, and the reports of cases of admission to hospitals in the state (government / private)
MOHAP Alternate Sources	Not available
Data Elements	Patient survey

Indicator Id	NAI_007
Unique Reference Id	ID_109
Name	Percentage of hospitals granted accreditation
Description	It measures the percentage of hospitals with national and international accreditation as per Ministry of Health and Prevention approved regulations to total hospitals which have been licensed 3 years and above
Category	Service coverage
Type	Operational
Numerator	Number of hospitals accredited according to the approved regulations of the Ministry of Health and Prevention (Government / Private) which have been licensed 3 years and above
Denominator	Total number of hospitals licensed for three years and above (government / private)
Unit	Number of hospitals
Unit Type	Number
MOHAP Current Sources	Annual reports issued by the health authorities in the state and for the inventory of health facilities and the reports of accreditation committees in health authorities
MOHAP Alternate Sources	Not available
Data Elements	Facility (ID, Name, Address, Accreditation Id & Date)

Indicator Id	NAI_008
Unique Reference Id	ID_042
Name	Percentage of children (aged between 5 -17 years) with obesity
Description	It measures the proportion of children with obesity to the total number of children in the age group (5-17) years in the given population
Category	Risk factors
Type	Healthy Lifestyles
Numerator	The number of children who show a standard deviation for BMI of 2 and above as compared to the standards defined by WHO Growth Charts for BMI in children falling in the age group (5 - 17 years) multiplied by 100
Denominator	The total number of children in the same age group interviewed during the same period
Unit	Per 100 children in the age group
Unit Type	Percentage
MOHAP Current Sources	National and demographic field surveys
MOHAP Alternate Sources	Not available
Data Elements	Patient (Demographics), Observation (Code, Values)

Indicator Id	NAI_009
Unique Reference Id	ID_045
Name	Percentage of the population with diabetes in the age group (20 - 79) years
Description	It measures the proportion of the diabetes infected population in the age group (20 - 79) years
Category	Risk factors
Type	Healthy Lifestyles
Numerator	The number of people with diabetes in in the age group (20 to 79) with fasting blood sugar level ≥ 126 mg / dL or HbA1C $\geq (7.0$ mmol / L) or the individuals using medicines for the high blood sugar level in the population in a given year multiplied by 100
Denominator	The total number of persons interviewed during the survey in the same period
Unit	Per 100 persons in the given age group
Unit Type	Percentage
MOHAP Current Sources	National population surveys, Administrative records (Disease registry)
MOHAP Alternate Sources	Not available
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Medication (Code, Date)

Indicator Id	NAI_010
Unique Reference Id	ID_041
Name	Percentage of cigarette consumers or any tobacco products in population
Description	The current cigarette consumption rate among the surveyed population or any tobacco products on a daily or irregular basis or at least once during a specific period preceding the survey date in all age groups.
Category	Risk factors
Type	Healthy Lifestyles
Numerator	The number of individuals in the population who consumed tobacco or any of its products on a daily or occasionally during a specific period preceding the survey period multiplied by 100
Denominator	The total number of persons interviewed during the same period
Unit	Per 100 persons surveyed
Unit Type	Percentage
MOHAP Current Sources	Population surveys, National surveys and tobacco surveys (Global Adult Tobacco Survey - GATS)
MOHAP Alternate Sources	Not available
Data Elements	Patient (Demographics), Observation (Code, Values)

Indicator Id	NAI_011
Unique Reference Id	ID_110
Name	Average healthy life expectancy
Description	It measures number of healthy years a person lives without any disease or injury.
Category	Health status
Type	Health Care Quality Index
Numerator	Life expectancy at birth minus (number of years lost due to illness, injury or premature death)
Denominator	NA
Unit	Number of years
Unit Type	Number
MOHAP Current Sources	Annual reports issued by the health authorities in the State, and related to diseases, deaths and injuries. Administrative records (disease registry), deaths and injuries
MOHAP Alternate Sources	WHO Reports
Data Elements	WHO Data

Indicator Id	NAI_012A
Unique Reference Id	ID_111
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Level of satisfaction with health care
Description	It measures the satisfaction of patient population about the availability of quality of healthcare in the city/region and it is done using Gallup International Survey
Category	Health status
Type	Health Care Quality Index
Numerator	NA
Denominator	NA
Unit Type	Rate
MOHAP Current Sources	Questionnaires on the study of the satisfaction of community members with regard to health care
MOHAP Alternate Sources	Not Available
Data Elements	Customer Questionnaire

Indicator Id	NAI_012B
Unique Reference Id	ID_112
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Percentage of children immunized with triple immunization with DPT 3 (age 12-23 months)
Description	It measures the percentage of children who received three doses of immunization with DPT 3 between the age of 12 to 23 months
Category	Health status
Type	Health Care Quality Index
Numerator	The number of children (age 12 – 23 months) who received three doses of immunization vaccines (DPT 3) multiplied by 100
Denominator	Total number of children (age 12 – 23 months)
Unit	Per 100 children between the age of 12 to 23 months
Unit Type	Percentage
MOHAP Current Sources	Annual reports issued by the state health authorities, Administrative records for vaccinations
MOHAP Alternate Sources	Not Available
Data Elements	Patient (Demographics), Vaccination (Code, Date), Encounter (Type, Date)

Indicator Id	NAI_012C
Unique Reference Id	ID_113
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Percentage of children immunized against measles (age 12 - 23 months)
Description	This indicator measures the total number of children immunized against measles between the age of 12 to 23 months
Category	Health status
Type	Health Care Quality Index
Numerator	Number of children immunized against measles (age 12 - 23 months) multiplied by 100
Denominator	The total number of children (aged 12-23 months) in the same year
Unit	Per 100 children between the age of 12 to 23 months
Unit Type	Percentage
MOHAP Current Sources	Annual reports issued by the state health authorities, Administrative records (immunization records) (births)
MOHAP Alternate Sources	Not Available
Data Elements	Patient (Demographics), Vaccination (Code, Date), Encounter (Type, Date)

Indicator Id	NAI_012D
Unique Reference Id	ID_114
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Percentage of population with obesity
Description	It measures the percentage of population with BMI 30 kg / m2 or above
Category	Health status
Type	Health Care Quality Index
Numerator	The number of adults whose body mass index exceeds 30 kg / m2 at the time of the survey is multiplied by 100
Denominator	The total adult population in the same age group included in the survey
Unit	Per 100 adults in the given age group included in the survey
Unit Type	Percentage
MOHAP Current Sources	National and demographic field surveys
MOHAP Alternate Sources	Not Available
Data Elements	Patient (Demographics), Observation (Code, Values)

Indicator Id	NAI_012E
Unique Reference Id	ID_115
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Percentage of population with diabetes (18 years and over) in the population
Description	It measures the percentage of population with diabetes in the age group 18 and over years and it is measured based on years lost due to diabetes (DALY)
Category	Health status
Type	Health Care Quality Index
Numerator	The number of people with Diabetes in the age group (18 years and above) with fasting blood sugar level ≥ 126 mg / dL or HbA1C $\geq (7.0$ mmol / L) or the individuals using medicines for the high blood sugar level in the population in a given year multiplied by 100
Denominator	The total number of people (18 years and above) interviewed during the survey in the same period
Unit	Per 100 persons in the given age group
Unit Type	Percentage
MOHAP Current Sources	Administrative records (disease records with providers of health services), National population surveys
MOHAP Alternate Sources	Development of administrative records and current information available in surveys
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Medication (Code, Date)

Indicator Id	NAI_012F
Unique Reference Id	ID_116
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Age Standardized Mortality rate (all causes)
Description	It is the age standardized mortality rate calculated by using ideal population model (Standard population structure) which expresses the total number of deaths (all causes) per 100000 population for both the genders $ASR = \sum \text{Age-specific mortality rate} * \text{weight of standard population}$
Category	Health status
Type	Health Care Quality Index
Numerator	The total number of deaths (all causes) per age group multiplied by 100000
Denominator	Total population in the same year
Unit	Per 100000 population
Unit Type	Rate
MOHAP Current Sources	Annual reports issued by the state health authorities, Administrative records (death records) (population)
MOHAP Alternate Sources	Not Available
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Vitals (Cause of death, Date)

Indicator Id	NAI_012G
Unique Reference Id	ID_117
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Years lost due to tuberculosis per 100,000 population
Description	This indicator measures the total number of years lost due to tuberculosis per 100,000 population
Category	Health status
Type	Health Care Quality Index
Numerator	Number of years lost = number of TB cases in population calculated by disease weight available in DisMod program, as well as premature deaths due to the disease. It includes lost years due to injury or premature death due to tuberculosis multiplied by 100000
Denominator	Total population in the same year
Unit	Per 100000 population
Unit Type	Rate
MOHAP Current Sources	Annual reports issued by the state health authorities, Administrative records (death records) (population) (diseases)
MOHAP Alternate Sources	WHO Reports
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Vitals (Cause of death, Date)

Indicator Id	NAI_012H
Unique Reference Id	ID_118
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Life expectancy at birth
Description	The number of years that a newborn may live if the patterns of mortality prevailing at the time of birth remain at the same rates throughout the life span
Category	Health status
Type	Health Care Quality Index
Numerator	Calculated using Life table availability of birth and death data by sex, nationality and age groups using system provided by UN
Denominator	NA
Unit	Number of years
Unit Type	Number
MOHAP Current Sources	Annual reports issued by the health authorities in the State of birth and death Administrative records, Census or population estimates
MOHAP Alternate Sources	UN - Population division
Data Elements	WHO Data

Indicator Id	NAI_012I
Unique Reference Id	ID_119
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Exposure to health problems
Description	Percentage of individuals who have health problems that prevent them from doing the normal life activities that their peers do
Category	Health status
Type	Health Care Quality Index
Numerator	The number of individuals who were exposed to health problems during a given period multiplied by 100
Denominator	The total number of sample members interviewed during the survey in the same period of time
Unit	Per 100 population surveyed
Unit Type	Percentage
MOHAP Current Sources	Gallup international survey
MOHAP Alternate Sources	Household survey
Data Elements	Survey Questionnaire

Indicator Id	NAI_012J
Unique Reference Id	ID_037
Name	Healthcare Quality Index (Health Indicators - Legatum Report) Improved sanitation facilities
Description	The percentage of population with access to private or shared waste disposal facilities that can effectively prevent human, animal and insect contact with excreta
Category	Health status
Type	Health Care Quality Index
Numerator	Indicator is calculated as a percentage who used improved sanitation facilities in urban or rural areas
Denominator	NA
Unit	Per 100 population surveyed
Unit Type	Percentage
MOHAP Current Sources	Household survey, Population census, Environmental health department
MOHAP Alternate Sources	UN - Population division
Data Elements	Survey Questionnaire

Indicator Id	NAI_012K
Unique Reference Id	ID_121
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Joy indicator
Description	Composite of Gallup Questions: Did you smile or laugh a lot yesterday? Did you feel well-rested yesterday? Did you experience enjoyment during a lot of the day yesterday?
Category	Health status
Type	Health Care Quality Index
Numerator	No of individuals who filled Joy and comfort during the survey period
Denominator	No of individuals who have be interviewed during the survey period
Unit	Per 100 population surveyed
Unit Type	Percentage
MOHAP Current Sources	Household survey
MOHAP Alternate Sources	Gallup international survey
Data Elements	Survey Questionnaire

Indicator Id	NAI_012L
Unique Reference Id	ID_123
Name	Healthcare Quality Index (Health Indicators - Legatum Report) - Sadness Indicator
Description	Composite of Gallup Questions: Did you experience sadness during a lot of the day yesterday? Did you experience worry during lot of the day yesterday?
Category	Health status
Type	Health Care Quality Index
Numerator	No of individuals who filled sad and worried during the survey period
Denominator	No of individuals who have be interviewed during the survey period
Unit	Per 100 population surveyed
Unit Type	Percentage
MOHAP Current Sources	Household survey
MOHAP Alternate Sources	Gallup international survey
Data Elements	Survey Questionnaire

5. METADATA FOR SDG INDICATORS

Indicator Id	2.1.2
Unique Reference Id	ID_124
Name	Prevalence of moderate or severe food insecurity in the population, based on the Food Insecurity Experience Scale (FIES)
Description	<p>These are two related indicators, representing the percentage of individuals in the national adult population (15 or more years of age) that have experienced moderate or severe levels and severe levels of food insecurity respectively, during the previous year.</p> <p>Severity of food insecurity is defined as the extent to which people have difficulties in accessing food of adequate quality and/or quantity due to lack of money or other resources. Difficulties include also psychological concerns associated with the struggle in accessing food.</p>
Category	Tier 1
Goal	Goal 2
Numerator	Population who is aged 15 years and above and is encountering food insecurities both at moderate and severe levels
Denominator	Total population surveyed
Unit	Per 100 population surveyed
Unit Type	Percentage
MOHAP Current Sources	Health Quality surveys and Patient records from Hospitals
MOHAP Alternate Sources	WHO Reports
Data Elements	Survey Questionnaire

Indicator Id	2.2.1
Unique Reference Id	ID_031
Name	Prevalence of stunting among children under 5 years of age
Description	Prevalence of stunting (height for age <-2 standard deviation from the median of the World Health Organization (WHO) Child Growth Standards) among children under 5 years of age
Category	Tier 1
Goal	Goal 2
Numerator	Number of children aged 0–59 months who are stunted
Denominator	Total number of children aged 0–59 months who were measured
Unit	Percentage of stunted children
Unit Type	Percentage
MOHAP Current Sources	National Survey – Obesity survey for children
MOHAP Alternate Sources	NA
Data Elements	Survey Questionnaire (Patient (Demographics), Problem (Code, Onset Date), Vital (Observation Value, Date))

Indicator Id	2.2.2
Unique Reference Id	ID_032
Name	Prevalence of wasting and overweight among children under 5 years of age
Description	Prevalence of malnutrition (weight for height $>+2$ or <-2 standard deviation from the median of the WHO Child Growth Standards) among children under 5 years of age, by type (wasting and overweight)
Category	Tier 1
Goal	Goal 2
Numerator	Number of children aged 0–59 months who are wasted or overweight
Denominator	Total number of children aged 0–59 months who were measured
Unit	Percentage of malnutrition
Unit Type	Percentage
MOHAP Current Sources	National Survey – Obesity survey for children
MOHAP Alternate Sources	NA
Data Elements	Survey Questionnaire (Patient (Demographics), Problem (Code, Onset Date), Vital (Observation Value, Date))

Indicator Id	3.1.2
Unique Reference Id	ID_052
Name	Births attended by skilled health personnel
Description	Percentage of live births attended by skilled health personnel
Category	Tier 1
Goal	Goal 3
Numerator	Number of births attended by skilled health personnel (doctors, nurses or midwives) trained in providing life-saving obstetric care, including giving the necessary supervision, care and advice to women during pregnancy, childbirth and the postpartum period, to conduct deliveries on their own, and to care for newborns.
Denominator	The total number of live births in the same period
Unit	Percentage of live births attended by skilled health personnel
Unit Type	Percentage
MOHAP Current Sources	Hospital based data – Data of births in hospitals to total births
MOHAP Alternate Sources	NA
Data Elements	Patient (demographics), Procedure (Code, date)

Indicator Id	3.2.1
Unique Reference Id	ID_003
Name	Under 5 mortality rate (per 1,000 live births)
Description	The probability of a child born in a specific year or period dying before reaching the age of 5 years, if subject to age-specific mortality rates of that period, expressed per 1000 live births. The under-five mortality rate as defined here is, strictly speaking, not a rate (i.e. the number of deaths divided by the number of population at risk during a certain period of time) but a probability of death derived from a life table and expressed as a rate per 1000 live births.
Category	Tier 1
Goal	Goal 3
Numerator	Number of deaths among children aged 0–4 years (0–59 months of age), broken down by age groups
Denominator	Number of live births (person-years of exposure)
Unit	Per 1000 live births
Unit Type	Rate
MOHAP Current Sources	Preventive Medicine Department Data death by age group, sex & causes
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)

Indicator Id	3.2.2
Unique Reference Id	ID_005
Name	Neonatal mortality rate (per 1,000 live births)
Description	Probability that a child born in a specific year or period will die during the first 28 completed days of life if subject to age-specific mortality rates of that period, expressed per 1000 live births. Neonatal deaths (deaths among live births during the first 28 completed days of life) may be subdivided into early neonatal deaths, occurring during the first 7 days of life, and late neonatal deaths, occurring after the 7 th day but before the 28 th completed day of life.
Category	Tier 1
Goal	Goal 3
Numerator	Number of children who died during the first 28 days of life
Denominator	Number of live births (years of exposure)
Unit	Per 1000 live births
Unit Type	Rate
MOHAP Current Sources	Preventive Medicine Department Data death by age group, sex & causes
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)

Indicator Id	3.3.2
Unique Reference Id	ID_022
Name	Tuberculosis incidence per 100,000 population
Description	Percentage of estimated new and relapse TB cases detected in a given year under the internationally recommended tuberculosis control strategy. 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.
Category	Tier 1
Goal	Goal 3
Numerator	Number of new and relapse TB cases arising in a specified time period
Denominator	Number of person years of exposure
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Current Sources	Under control disease, Preventive medicine department
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Diagnosis (Code, Date)

Indicator Id	3.3.3
Unique Reference Id	ID_026
Name	Malaria incidence per 1000 population
Description	Number of malaria cases per 1000 persons per year
Category	Tier 1
Goal	Goal 3
Numerator	Number of suspected malaria cases confirmed by either microscopy or rapid diagnostic test
Denominator	Population at risk (number of people living in areas where malaria transmission occurs)
Unit	Per 1000 population at risk
Unit Type	Rate
MOHAP Current Sources	Department of Disease control, Preventive medicine department – Malaria management data by age group & sex nationality
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Laboratory Test (Code, Status, Result, Date)

Indicator Id	3.3.5
Unique Reference Id	ID_073
Name	Number of people requiring interventions against neglected tropical diseases
Description	The total population living in endemic areas requiring preventive chemotherapy for at least one of the selected neglected tropical diseases (schistosomiasis, soil-transmitted helminthiasis, lymphatic filariasis, onchocerciasis)
Category	Tier 1
Goal	Goal 3
Numerator	WHO estimates the values using statistical calculations
Denominator	NA
Unit	Estimated people requiring intervention
Unit Type	Number
MOHAP Current Sources	WHO Reports
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Encounter (Code, Date), Procedure (Code, Date), Laboratory Test (Code, Status, Result, Date), Medication (Code, Date)

Indicator Id	3.5.2
Unique Reference Id	ID_040
Name	Alcohol Consumption
Description	Harmful use of alcohol, defined according to the national context as alcohol per capita consumption (aged 15 years and older) within a calendar year in liters of pure alcohol
Category	Tier 1
Goal	Goal 3
Numerator	Sum of recorded and unrecorded alcohol consumed in a population during a calendar year, in liters
Denominator	Mid-year resident population aged 15+ for the same calendar year
Unit	Per capita (age 15+ years) consumption
Unit Type	Rate
MOHAP Current Sources	National Survey for Drug
MOHAP Alternate Sources	NA
Data Elements	Survey response data elements

Indicator Id	3.6.1
Unique Reference Id	ID_013
Name	Death rate due to road traffic injuries
Description	Number of road traffic fatal injury deaths per 100 000 population
Category	Tier 1
Goal	Goal 3
Numerator	Number of deaths attributable to traffic injuries
Denominator	Total population for given period of time
Unit	per 100,000 population
Unit Type	Rate
MOHAP Current Sources	Raw data from Hospitals, Police records
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics, Cause of death, Date of death)

Indicator Id	3.7.1
Unique Reference Id	ID_049
Name	Demand for family planning satisfied with modern methods
Description	Proportion of women of reproductive age (aged 15–49 years) who have their need for family planning satisfied with modern methods
Category	Tier 1
Goal	Goal 3
Numerator	Number of women with family planning demand who use modern methods
Denominator	Total number of women in need of family planning
Unit	Percentage of women of reproductive age (15–49 years) who are sexually active
Unit Type	Percentage
MOHAP Current Sources	Will be reported from year 2018. Data sources will be finalized later.
MOHAP Alternate Sources	NA
Data Elements	To be decided later

Indicator Id	3.9.1
Unique Reference Id	ID_125
Name	Mortality rate attributed to household and ambient air pollution
Description	<p>The mortality attributable to the joint effects of household and ambient air pollution can be expressed as: Number of deaths, Death rate. Death rates are calculated by dividing the number of deaths by the total population (or indicated if a different population group is used, e.g. children under 5 years). Evidence from epidemiological studies have shown that exposure to air pollution is linked, among others, to the important diseases considered in this estimate:</p> <ul style="list-style-type: none"> - Acute respiratory infections in young children (estimated under 5 years of age); - Cerebrovascular diseases (stroke) in adults (estimated above 25 years); - Ischemic heart diseases (IHD) in adults (estimated above 25 years); - Chronic obstructive pulmonary disease (COPD) in adults (estimated above 25 years); and - Lung cancer in adults (estimated above 25 years)
Category	Tier 1
Goal	Goal 3
Numerator	Number of deaths due to Acute respiratory infections in young children (estimated under 5 years of age), Cerebrovascular diseases (stroke) in adults (estimated above 25 years), Ischaemic heart diseases (IHD) in adults (estimated above 25 years); Chronic obstructive pulmonary disease (COPD) in adults (estimated above 25 years) and Lung cancer in adults (estimated above 25 years)
Denominator	Total population
Unit	Per 100 population
Unit Type	Percentage
MOHAP Current Sources	Birth and Death registry (CRDS)
MOHAP Alternate Sources	NA
Data Elements	Patient (demographics), Vital (Cause of death, Date), Diagnosis (ICD code, date)

Indicator Id	3.a.1
Unique Reference Id	ID_041
Name	Age-standardized prevalence of current tobacco use among persons aged 15 years and older
Description	<p>The indicator is defined as the percentage of the population aged 15 years and over who currently use any tobacco product (smoked and/or smokeless tobacco) on a daily or non-daily basis.</p> <p>Tobacco products means products entirely or partly made of the leaf tobacco as raw material intended for human consumption through smoking, sucking, chewing or sniffing.</p> <p>"Smoked tobacco products" include cigarettes, cigarillos, cigars, cheroots, bidis, pipes, shisha (water pipes), roll-your-own tobacco, kretek and any other form of tobacco that is consumed by smoking.</p> <p>"Smokeless tobacco product" includes moist snuff, creamy snuff, dry snuff, plug, dissolvables, gul, loose leaf, red tooth powder, snus, chimo, gutkha, khaini, gudakhu, zarda, quiwam, dohra, tuibur, nasway, naas, naswar, shammah, toombak, paan (betel quid with tobacco), iq'mik, mishri, tapkeer, tombol and any other tobacco product that consumed by sniffing, holding in the mouth or chewing</p>
Category	Tier 1
Goal	Goal 3
Numerator	Number of current smokers 15+ years (daily or < daily) of any tobacco product in the population surveyed
Denominator	Total size of the surveyed population (15+ years smokers and non-smokers)
Unit	Per 100 population surveyed
Unit Type	Percentage
MOHAP Current Sources	National Survey for the use of any type of tobacco
MOHAP Alternate Sources	NA
Data Elements	Survey Questionnaire

Indicator Id	3.c.1
Unique Reference Id	ID_087
Name	Health worker density and distribution per 10,000 population
Description	Number of health workers per 10,000 population.
Category	Tier 1
Goal	Goal 3
Numerator	Number of health workers by cadre.
Denominator	Total population.
Unit	Number of health workers per 10,000 population
Unit Type	Rate
MOHAP Current Sources	Statistics and Research center – Data collected from all health centers of UAE
MOHAP Alternate Sources	NA
Data Elements	Provider (Demographics), Statistics (Population)

Indicator Id	6.1.1
Unique Reference Id	ID_137
Name	Proportion of population using safely managed drinking water service
Description	Proportion of population using safely managed drinking water service
Category	Tier 1
Goal	6
Numerator	Total population using safely manager drinking water service
Denominator	Total Population for a given time period
Unit	per 100,000 population
Unit Type	Rate
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
MOHAP Alternate Sources	NA
Data Elements	NA

Indicator Id	6.2.1
Unique Reference Id	ID_138
Name	Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water
Description	Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water
Category	Tier 1
Goal	Goal 6
Numerator	Total population using safely managed sanitation services, including a hand-washing facility with soap and water
Denominator	Total Population for a given time period
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
MOHAP Alternate Sources	NA
Data Elements	NA

Indicator Id	7.1.2
Unique Reference Id	ID_139
Name	Proportion of population with primary reliance on clean fuels and technology
Description	Proportion of population with primary reliance on clean fuels and technology
Category	Tier 1
Goal	Goal 7
Numerator	Total population with primary reliance on clean fuels and technology
Denominator	Total Population for a given time period
Unit	per 100,000 population
Unit Type	Rate
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
MOHAP Alternate Sources	NA
Data Elements	NA

Indicator Id	11.6.2
Unique Reference Id	ID_140
Name	Annual mean levels of fine particulate matter (e.g. PM2.5 and PM10) in cities (population weighted)
Description	The mean annual concentration of fine suspended particles of less than 2.5 microns in diameters (PM2.5) is a common measure of air pollution
Category	Tier 1
Goal	Goal 11
Numerator	NA
Denominator	NA
Unit	micrograms per cubic meter
Unit Type	NA
MOHAP Current Sources	NA
MOHAP Alternate Sources	NA
Data Elements	NA

Indicator Id	16.1.1
Unique Reference Id	ID_142
Name	Number of victims of intentional homicide per 100,000 population, by sex and age
Description	Estimated number of victims of intentional homicide per 100,000 population, Estimated number of victims of intentional homicide by sex and age
Category	Tier 1
Goal	Goal 16
Numerator	Total number of victims of intentional homicide
Denominator	Total Population per 100,000 people
Unit	Rate
Unit Type	Rate
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics, Cause of death, date of death)

Indicator Id	1.a.2
Unique Reference Id	ID_136
Name	Proportion of total government spending on essential services (education, health and social protection)
Description	Proportion of total government spending on essential services (education, health and social protection)
Category	Tier 2
Goal	1
Numerator	Total Government spending on essential services (Education, Health and social protection) for a given period
Denominator	Total government spending for a given period
Unit	Rate
Unit Type	Rate
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
MOHAP Alternate Sources	NA
Data Elements	NA

Indicator Id	3.1.1
Unique Reference Id	ID_007
Name	Maternal mortality (per 100,000 live births)
Description	The annual number of female 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 and site of the pregnancy, expressed per 100 000 live births, for a specified period
Category	Tier 2
Goal	Goal 3
Numerator	Number of maternal deaths
Denominator	Number of live births
Unit	Per 100 000 live births
Unit Type	Rate
MOHAP Current Sources	Preventive Medicine Department – Data death by age group, sex & causes
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)

Indicator Id	3.3.1
Unique Reference Id	ID_018
Name	HIV Incidence Rate
Description	Number of new HIV infections per 1000 uninfected population, by sex, age and key populations. The incidence rate is the number of new cases per population at risk for a given period
Category	Tier 2
Goal	Goal 3
Numerator	Number of new HIV infections
Denominator	Uninfected population (which is the total population minus people living with HIV)
Unit	Per 1000 uninfected population
Unit Type	Rate
MOHAP Current Sources	This indicator is currently not reported
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)

Indicator Id	3.3.4
Unique Reference Id	ID_126
Name	Hepatitis B incidence per 100 000 population
Description	The number of new hepatitis B infections per 100,000 population in a given year is estimated from the prevalence of total antibodies against hepatitis B core antigen (Total anti-HBc) and hepatitis B surface antigen (HBsAg) positive among children 5 years of age, adjusted for sampling design.
Category	Tier 2
Goal	Goal 3
Numerator	Number of survey participants with Total anti – HBc and HBsAg positive test
Denominator	Number in survey with Total anti – HBc/HBsAg result Method of measurement
Unit	Per 100 000 population
Unit Type	Rate
MOHAP Current Sources	Preventive Medicine Department – Data for death by age group, sex & causes
MOHAP Alternate Sources	NA
Data Elements	Patient (demographics), Diagnosis (ICD Code, date), Laboratory (testcode, testdate, testresult)

Indicator Id	3.4.1
Unique Reference Id	ID_011
Name	Mortality rate attributed to cardiovascular disease, cancer, diabetes or chronic respiratory disease
Description	Unconditional probability of dying from cardiovascular diseases, cancer, diabetes or chronic respiratory diseases
Category	Tier 2
Goal	Goal 3
Numerator	Number of deaths due to the four causes
Denominator	Number of years of exposure
Unit	Per 100 000 population
Unit Type	Rate
MOHAP Current Sources	Preventive Medicine Department – Data for death by age group, sex & causes
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Vitals (cause of death {ICD codes: 100–I99, COO–C97, E10–E14 and J30–J98}, date of death)

Indicator Id	3.4.2
Unique Reference Id	ID_012
Name	Suicide Mortality rate
Description	Suicide rate per 100 000 population in a specified period (age-standardized)
Category	Tier 2
Goal	Goal 3
Numerator	Number of suicides
Denominator	Number of years of exposure
Unit	Per 100 000 population
Unit Type	Rate
MOHAP Current Sources	Preventive Medicine Department - Data for death by age group, sex & causes
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Vitals (cause of death {ICD codes: E950.0 – E958, 296.2, 296.3, 296.5, 298.0, or 311}, date of death)

Indicator Id	3.7.2
Unique Reference Id	ID_014
Name	Adolescent birth rate (aged 10–14 years; aged 15–19 years) per 1000 women in that age group
Description	Annual number of births to women aged 10 - 14 and 15–19 years per 1000 women in that age group. It is also referred to as the age-specific fertility rate for women aged 10 - 14 and 15–19 years
Category	Tier 2
Goal	Goal 3
Numerator	Number of live births to women aged 10-14 and 15–19 years
Denominator	Exposure to childbearing by women aged 10–19 years
Unit	Per 1000 women in the age group
Unit Type	Rate
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
MOHAP Alternate Sources	NA
Data Elements	Raw data for births and mothers' age {women age group (15 -19) years}

Indicator Id	3.9.2
Unique Reference Id	ID_127
Name	Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene
Description	The mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe Water, Sanitation and Hygiene for All (WASH) services) as defined as the number of deaths from unsafe water, unsafe sanitation and lack of hygiene (exposure to unsafe WASH services) in a year, divided by the population, and multiplied by 100,000
Category	Tier 2
Goal	Goal 3
Numerator	Deaths attributable to unsafe water, sanitation and hygiene focusing on inadequate WASH services, expressed per 100,000 population; The included diseases are the WASH attributable fractions of diarrhoea (ICD-10 code A00, A01, A03, A04, A06-A09), intestinal nematode infections (ICD-10 code B76-B77, B79) and protein-energy malnutrition (ICD-10 code E40-E46)
Denominator	Total population for given period of time
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Current Sources	WHO reports
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Diagnosis (ICD Code, Date), Vitals (Cause of death, date)

Indicator Id	3.9.3
Unique Reference Id	ID_128
Name	Mortality rate attributed to unintentional poisoning
Description	The mortality rate attributed to unintentional poisoning as defined as the number of deaths of unintentional poisonings in a year, divided by the population, and multiplied by 100 000
Category	Tier 2
Goal	Goal 3
Numerator	Mortality rate in the country from unintentional poisonings per year. The ICD-10 codes corresponding to the indicator includes X40, X43-X44, X46-X49
Denominator	Total population for given period of time
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Current Sources	Raw data from Hospitals, Police records
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Diagnosis (ICD Code, Date), Vitals (Cause of death, date)

Indicator Id	3.d.1
Unique Reference Id	ID_099
Name	International Health Regulations (IHR) capacity and health emergency preparedness
Description	Percentage of attributes of 13 core capacities that have been attained at a specific point in time. The 13 core capacities are: (1) National legislation, policy and financing; (2) Coordination and National Focal Point communications; (3) Surveillance; (4) Response; (5) Preparedness; (6) Risk communication; (7) Human resources; (8) Laboratory; (9) Points of entry; (10) Zoonotic events; (11) Food safety; (12) Chemical events; (13) Radionuclear emergencies
Category	Tier 2
Goal	Goal 3
Numerator	Number of attributes attained
Denominator	Total number of attributes
Unit	NA
Unit Type	Percentage
MOHAP Current Sources	Management of public health policies
Data Elements	NA

Indicator Id	5.6.1
Unique Reference Id	ID_129
Name	Proportion of women aged 15-49 years who make their own informed decisions regarding sexual relations, contraceptive use and reproductive health care
Description	Proportion of women aged 15-49 years (married or in union) who make their own decision on all three selected areas i.e. can say no to sexual intercourse with their husband or partner if they do not want; decide on use of contraception; and decide on their own health care. A union involves a man and a woman regularly cohabiting in a married like relationship. Only women who provide a “yes” answer to all three components are considered as women who “make her own decisions regarding sexual and reproductive”
Category	Tier 2
Goal	Goal 5
Numerator	Number of married or in union women aged 15-49 years old: – who can say “no” to sex; and – for whom the decision on contraception is not mainly made by the husband/partner; and – for whom decision on health care for themselves is not usually made by the husband/partner or someone else Only women who satisfy all three empowerment criteria are included in the numerator multiplied by 100
Denominator	Population of women aged 15 - 49 (married or in union)
Unit	Per 100 women aged 15 - 49 in marriage or union
Unit Type	Percentage
MOHAP Current Sources	National Health Survey
Data Elements	Survey Questionnaire

Indicator Id	13.1.1
Unique Reference Id	ID_141
Name	Number of deaths, missing persons and persons affected by disaster per 100,000 people
Description	Number of deaths, missing and affected (directly or indirectly) by disaster per 100,000 people
Category	Tier 2
Goal	Goal 13
Numerator	Count of deaths, missing persons and persons affected by disaster
Denominator	Total Population per 100,000 people
Unit	Rate
Unit Type	Rate
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics, Cause of Death, Date of death)

Indicator Id	16.1.2
Unique Reference Id	ID_143
Name	Conflict-related deaths per 100,000 population, by sex, age and cause
Description	Estimated number of conflict-related deaths per 100,000 population, by sex, age and cause
Category	Tier 2/3
Goal	Goal 16
Numerator	Total number of conflict-related deaths
Denominator	Total Population per 100,000 people
Unit	Rate
Unit Type	Rate
MOHAP Current Sources	Federal Competitiveness and Statistics Authority (FCSA)
Data Elements	Patient (Demographics, Date of death, Cause of death)

Indicator Id	3.5.1
Unique Reference Id	ID_130
Name	Coverage of treatment interventions (pharmacological, psychosocial and rehabilitation and aftercare services) for substance use disorders
Description	Number of people who have received different treatment interventions -pharmacological, psychosocial and rehabilitation and aftercare services for substance use disorders
Category	Tier 3
Goal	Goal 3
Numerator	Number of people who have received different treatment interventions (pharmacological, psychosocial and rehabilitation and aftercare services) in the last year multiplied by 100
Denominator	Actual number of the target population (people with substance use disorders measured as the total number of problem drug users)
Unit	Per 100 target population
Unit Type	Percentage
MOHAP Current Sources	Raw data from Specialized centers for substance use disorders
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Diagnosis (ICD code, date), Observation (code, value, date), Procedure (CPT code, date), Medication (code, date)

Indicator Id	3.8.1
Unique Reference Id	ID_131
Name	Coverage of essential health services
Description	Coverage of essential health services (defined as the average coverage of essential services based on tracer interventions that include reproductive, maternal, newborn and child health, infectious diseases, noncommunicable diseases and service capacity and access, among the general and the most disadvantaged population). Tracer interventions for promotion and prevention services include: family planning coverage (need satisfied), antenatal care (at least four visits),"vaccination, non-use of tobacco, improved water source, adequate sanitation" and other locally relevant coverage indicators Tracer interventions for treatment services include: skilled birth attendance, antiretroviral therapy, tuberculosis treatment (case detection and treatment success), hypertension treatment, diabetes treatment, pneumonia treatment in children and other locally relevant indicators.
Category	Tier 3
Goal	Goal 3
Numerator	Number of people covered/treated required services
Denominator	Number of people who need the essential services
Unit	Per 100 target population
Unit Type	Percentage
MOHAP Current Sources	Administrative reports, Healthcare facilities and Financial reports
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Diagnosis (ICD code, date), Observation (code, value, date), Procedure (CPT code, date), Medication (code, date)

Indicator Id	3.8.2
Unique Reference Id	ID_133
Name	Proportion of population with large household expenditures on health as a share of total household expenditure or income
Description	Population weighted average number of people with large household expenditure on health as a share of total household expenditure or income
Category	Tier 3
Goal	Goal 3
Numerator	Total out of pocket (OOP) payments made by the household excluding the payer reimbursements
Denominator	Total household expenditure or income
Unit	Per unit household
Unit Type	Rate
MOHAP Current Sources	National Health Survey
MOHAP Alternate Sources	NA
Data Elements	NA

Indicator Id	3.b.1
Unique Reference Id	ID_134
Name	Proportion of the population with access to affordable medicines and vaccines on a sustainable basis
Description	Coverage of DTP containing vaccine (3 rd dose), Coverage of Measles containing vaccine (2 nd dose), Coverage of Pneumococcal conjugate vaccine (last dose in the schedule) and Coverage of HPV vaccine (last dose in the schedule)
Category	Tier 3
Goal	Goal 3
Numerator	<ul style="list-style-type: none"> a. Percentage of surviving infants who received the 3 doses of diphtheria and tetanus toxoid with pertussis containing vaccine in a given year b. Percentage of children who received two dose of measles containing vaccine according to nationally recommended schedule through routine c. Percentage of surviving infants who received the recommended doses of pneumococcal conjugate vaccine d. Percentage of 15 years old girls received the recommended doses of HPV vaccine
Denominator	Internationally agreed methodology and standard to be developed
Unit	NA
Unit Type	NA
MOHAP Current Sources	Preventive Medicine Department
MOHAP Alternate Sources	NA
Data Elements	Patient (Demographics), Medication (Substance Code, Date)

Indicator Id	3.b.2
Unique Reference Id	ID_135
Name	Total net official development assistance to medical research and basic health sectors
Description	Gross disbursements of total ODA from all donors to medical research and basic health sectors
Category	Tier 3
Goal	Goal 3
Numerator	Internationally agreed methodology and standard to be developed
Denominator	Internationally agreed methodology and standard to be developed
Unit	NA
Unit Type	NA
MOHAP Current Sources	NA
MOHAP Alternate Sources	NA
Data Elements	NA

Indicator Id	5.6.2
Unique Reference Id	ID_132
Name	Number of countries with laws and regulations that guarantee women aged 15-49 access to sexual and reproductive health care, information and education
Description	This indicator measures the number of countries with laws and regulations that guarantee women aged 15-49 access to sexual and reproductive health care, information and education
Category	Tier 3
Goal	Goal 5
Numerator	Internationally agreed methodology and standard to be developed
Denominator	Internationally agreed methodology and standard to be developed
Unit	NA
Unit Type	NA
MOHAP Current Sources	WHO Reports
MOHAP Alternate Sources	NA
Data Elements	NA

6. METADATA FOR COMPETITIVENESS INDICATORS

Indicator Id	FCSA_001
Unique Reference Id	ID_144
Name	Total health expenditure (%)
Description	Total health expenditure percentage of the GDP
Report Name	Competitiveness Yearbook
Numerator	Total national expenditure on healthcare
Denominator	Total GDP of UAE
Unit	Per unit expenditure
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	World Health Statistics
Data Elements	National Statistics (national expenditure, GDP)

Indicator Id	FCSA_002
Unique Reference Id	ID_145
Name	Total health expenditure per capita
Description	Total health expenditure per capita in US\$
Report Name	Competitiveness Yearbook
Numerator	Total national expenditure on healthcare
Denominator	Total Population of UAE
Unit	Per unit 100 people
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	World Health Statistics
Data Elements	National Statistics (national expenditure, population)

Indicator Id	FCSA_003
Unique Reference Id	ID_146
Name	Public expenditure on health (%)
Description	Total public expenditure on health as a percentage of the GDP
Report Name	Competitiveness Yearbook
Numerator	Total national expenditure on healthcare
Denominator	Total GDP of UAE
Unit	Per unit expenditure
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	World Health Statistics
Data Elements	National Statistics (public expenditure, GDP)

Indicator Id	FCSA_004
Unique Reference Id	ID_147
Name	Health infrastructure
Description	Survey question: "Health infrastructure does not meet the needs of society / meets the needs of society?"
Report Name	Competitiveness Yearbook
Numerator	NA
Denominator	NA
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	IMD Executive Opinion Survey
Data Elements	NA

Indicator Id	FCSA_005
Unique Reference Id	ID_001
Name	Life expectancy at birth
Description	The average number of years that a newborn could expect to live if he or she were to pass through life exposed to the sex- and age-specific death rates prevailing at the time of his or her birth, for a specific year, in a given country, territory or geographical area.
Report Name	Competitiveness Yearbook
Numerator	NA
Denominator	NA
Unit	Years
Unit Type	Number
MOHAP Data Sources (For Ranking)	Human Development Report (UNDP)
Data Elements	Death data by age group and date of birth

Indicator Id	FCSA_006
Unique Reference Id	ID_148
Name	Healthy life expectancy
Description	Average estimate healthy life expectancy
Report Name	Competitiveness Yearbook
Numerator	NA
Denominator	NA
Unit	Years
Unit Type	Number
MOHAP Data Sources (For Ranking)	Euromonitor International 2016
Data Elements	NA

Indicator Id	FCSA_007
Unique Reference Id	ID_004
Name	Infant mortality
Description	The probability that a child born in a specific year or period will die before reaching the age of 1 year, if subject to age-specific mortality rates of that period, expressed as a rate per 1000 live births. The infant mortality rate is, strictly speaking, not a rate (i.e. the number of deaths divided by the number of population at risk during a certain period) but a probability.
Report Name	Competitiveness Yearbook
Numerator	Number of children who died before their first birthday (0–11 months of age)
Denominator	Number of live births (years of exposure)
Unit	Per 1000 live births
Unit Type	Rate
MOHAP Data Sources (For Ranking)	World Health Statistics (World Health Organization)
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)

Indicator Id	FCSA_008A
Unique Reference Id	ID_106
Name	Medical assistance (physician)
Description	Number of inhabitants per physician
Report Name	Competitiveness Yearbook
Numerator	Number of doctors practicing in the health sector in the state (government / private) in all specialties except dentistry in a given time period multiplied by 1000
Denominator	Population size for a given time period
Unit	Per 1000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	Euromonitor International 2016
Data Elements	Physician (Demographics), Facility (Id, Address)

Indicator Id	FCSA_008B
Unique Reference Id	ID_107
Name	Medical assistance (nurse)
Description	Number of inhabitants per nurse
Report Name	Competitiveness Yearbook
Numerator	Number of nurses practicing, including all nurses working in health facilities in the state (government / private) and those licensed to practice nursing multiplied 1000
Denominator	Population size for a given time period
Unit	Per 1000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	Euromonitor International 2016
Data Elements	Nurse (Demographics), Facility (ID)

Indicator Id	FCSA_009
Unique Reference Id	ID_026
Name	Malaria incidence
Description	Estimated number of malaria cases per 100,000 population
Report Name	Global Competitiveness Report
Numerator	Number of suspected malaria cases confirmed by either microscopy or rapid diagnostic test.
Denominator	Population at risk (number of people living in areas where malaria transmission occurs)
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	The World Health Organization
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Laboratory Test (Code, Status, Result, Date)

Indicator Id	FCSA_010
Unique Reference Id	ID_149
Name	Business impact of malaria
Description	Survey question: "How serious an impact do you consider malaria will have on your company in the next five years (e.g., death, disability, medical and funeral expenses, productivity and absenteeism, recruitment and training expenses, revenues)? [1 = a serious impact; 7 = no impact at all]"
Report Name	Global Competitiveness Report
Numerator	Survey Questionnaire
Denominator	Survey Questionnaire
Unit	Survey response
Unit Type	Cardinals
MOHAP Data Sources (For Ranking)	World Economic Forum, Executive Opinion Survey
Data Elements	NA

Indicator Id	FCSA_011
Unique Reference Id	ID_022
Name	Tuberculosis incidence
Description	Estimated number of tuberculosis cases per 100,000 Population. Incidence of tuberculosis is the estimated number of new pulmonary, smear positive, and extra-pulmonary tuberculosis cases
Report Name	Global Competitiveness Report
Numerator	Number of new and relapse TB cases arising in a specified time period
Denominator	Number of person years of exposure
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	World Bank
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)

Indicator Id	FCSA_012
Unique Reference Id	ID_150
Name	Business impact of tuberculosis
Description	Survey question: "How serious an impact do you consider tuberculosis will have on your company in the next five years (e.g., death, disability, medical and funeral expenses, productivity and absenteeism, recruitment and training expenses, revenues)? [1 = a serious impact; 7 = no impact at all]"
Report Name	Global Competitiveness Report
Numerator	Survey Questionnaire
Denominator	Survey Questionnaire
Unit	Survey Response
Unit Type	Cardinals
MOHAP Data Sources (For Ranking)	World Economic Forum, Executive Opinion Survey
Data Elements	NA

Indicator Id	FCSA_013
Unique Reference Id	ID_019
Name	HIV prevalence
Description	HIV prevalence refers to the percentage of people aged 15–49 who are infected with HIV at a point of time, no matter when infection occurred
Report Name	Global Competitiveness Report
Numerator	Total number of infections
Denominator	Total population
Unit	Per 100,000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	World Bank
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)

Indicator Id	FCSA_014
Unique Reference Id	ID_151
Name	Business impact of HIV/AIDS
Description	Survey question: "How serious an impact do you consider HIV/AIDS will have on your company in the next five years (e.g., death, disability, medical and funeral expenses, productivity and absenteeism, recruitment and training expenses, revenues)? [1 = a serious impact; 7 = no impact at all]"
Report Name	Global Competitiveness Report
Numerator	Survey Questionnaire
Denominator	Survey Questionnaire
Unit	Survey Response
Unit Type	Cardinals
MOHAP Data Sources (For Ranking)	World Economic Forum, Executive Opinion Survey
Data Elements	NA

Indicator Id	FCSA_015
Unique Reference Id	ID_004
Name	Infant mortality
Description	Infant (children aged 0–12 months) mortality per 1,000 live births. Infant mortality rate is the number of infants dying before reaching one year of age per 1,000 live births in a given year
Report Name	Global Competitiveness Report
Numerator	Number of children who died before their first birthday (0–12 months of age).
Denominator	Number of live births (years of exposure).
Unit	Per 1000 live births
Unit Type	Rate
MOHAP Data Sources (For Ranking)	World Bank
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)

Indicator Id	FCSA_016
Unique Reference Id	ID_001
Name	Life expectancy
Description	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
Report Name	Global Competitiveness Report
Numerator	NA
Denominator	NA
Unit	Years
Unit Type	Number
MOHAP Data Sources (For Ranking)	World Bank
Data Elements	Death data by age group and date of birth

Indicator Id	FCSA_017
Unique Reference Id	ID_106
Name	Physician density
Description	This indicator measures the number of physicians in the country per 1,000 population. Physicians include generalist medical practitioners and specialist medical practitioners
Report Name	World Tourism and Travel Competitiveness Report
Numerator	Total registered physicians in the given geography multiplied by 1000
Denominator	Total population in the given geography
Unit	Per 1000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	The World Health Organization
Data Elements	Physician (Demographics), Facility (Id, Address)

Indicator Id	FCSA_018
Unique Reference Id	ID_085
Name	Hospital beds
Description	Hospital beds per 10,000 population. Hospital beds includes inpatient beds available in public, private, general and specialized hospitals and rehabilitation centers. In most cases, beds for both acute and chronic care are included
Report Name	World Tourism and Travel Competitiveness Report
Numerator	Number of hospital beds (excluding labour and delivery beds)
Denominator	Total population
Unit	Total number of hospital beds per 10000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	The World Bank
Data Elements	Facility (Address, Place, Beds), Statistics (Population)

Indicator Id	FCSA_019
Unique Reference Id	ID_019
Name	HIV prevalence (% population)
Description	HIV prevalence refers to the percentage of people aged 15–49 who are infected with HIV at a particular point in time, no matter when infection occurred
Report Name	World Tourism and Travel Competitiveness Report
Numerator	Total number of infections
Denominator	Total population
Unit	Per 1000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	The World Bank
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)

Indicator Id	FCSA_020
Unique Reference Id	ID_026
Name	Malaria incidence per 100,000 population
Description	This indicator refers to the estimated number of new cases of malaria in the economy per 100,000 population
Report Name	World Tourism and Travel Competitiveness Report
Numerator	Number of suspected malaria cases confirmed by either microscopy or rapid diagnostic test.
Denominator	Population at risk (number of people living in areas where malaria transmission occurs).
Unit	Per 100000 population at risk
Unit Type	Rate
MOHAP Data Sources (For Ranking)	The World Health Organization
Data Elements	Patient (Demographics), Diagnosis (Code, Date), Laboratory Test (Code, Status, Result, Date)

Indicator Id	FCSA_021
Unique Reference Id	ID_001
Name	Life expectancy at birth
Description	Number of years a newborn infant could expect to live if prevailing patterns of age-specific mortality rates at the time of birth stay the same throughout the infant's life
Report Name	Human Development Report
Numerator	NA
Denominator	NA
Unit	Years
Unit Type	Number
MOHAP Data Sources (For Ranking)	UN
Data Elements	Death data by age group and date of birth

Indicator Id	FCSA_022
Unique Reference Id	ID_001
Name	Healthy life expectancy at birth
Description	A measurement developed by the World Health Organization that attempts to capture a more complete estimate of health than standard life expectancy rates
Report Name	Human Capital Report
Numerator	NA
Denominator	NA
Unit	Years
Unit Type	Number
MOHAP Data Sources (For Ranking)	WHO Global Health Observatory
Data Elements	Death data by age group and date of birth

Indicator Id	FCSA_023
Unique Reference Id	ID_152
Name	Healthy life years beyond age 65
Description	The number of years by which the country's health-adjusted life expectancy (HALE) exceeds the value of 65 years, if any
Report Name	Human Capital Report
Numerator	Number of years of healthy life lost
Denominator	Total years lived by each age-sex group
Unit	Years
Unit Type	Number
MOHAP Data Sources (For Ranking)	WHO Global Health Observatory
Data Elements	Patient (Date of birth, Date of death), Diagnosis (code, date)

Indicator Id	FCSA_024
Unique Reference Id	ID_045
Name	Diabetes Prevalence
Description	The percentage of population aged 18 or above that have diabetes. The variable is imputed based on Diabetes Disability-Adjusted Life Year (DALY)
Report Name	Legatum Indicator Report
Numerator	Total number of people aged 18 or above and have diabetes
Denominator	Total population with & without diabetes
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	International Diabetes Federation
Data Elements	Patient (Demographics), Vital (Observation value, code, Date), Diagnosis (Date, code)

Indicator Id	FCSA_025
Unique Reference Id	ID_154
Name	Health problems
Description	Survey question: "Do you have any health problems that prevent you from doing any things people your age normally can do?"
Report Name	Legatum Indicator Report
Numerator	Total number of participants with any health problem
Denominator	Total sample population including in the survey
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	Gallup World Poll
Data Elements	Patient (Demographics), Vital (Observation value, code, Date), Diagnosis (Date, code)

Indicator Id	FCSA_026
Unique Reference Id	ID_157
Name	Immunization against DPT
Description	Percentage of 12-23-month children who have received three doses of the combined diphtheria, tetanus toxoid and pertussis (DTP3) vaccine in a given year.
Report Name	Legatum Indicator Report
Numerator	The number of children with the age range of 12-23-month who have received three doses of the combined diphtheria, tetanus toxoid and pertussis (DTP3) vaccine in a given year.
Denominator	For vaccines in the infant immunization schedule, this would be the total number of children surviving who are aged between 12 to 23 months.
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	World Health Organisation
Data Elements	Patient (Demographics), Encounter (ID, Code), Medication (Code, Dose), Procedure (Code, Date)

Indicator Id	FCSA_027
Unique Reference Id	ID_157
Name	Immunization against Measles
Description	Percentage of 12-23-month children who received vaccinations before 12 months or at any time before the survey. A child is considered adequately immunized against measles after receiving one dose of vaccine
Report Name	Legatum Indicator Report
Numerator	The number of children aged 12–23 months who have received the specified vaccinations before their first birthday.
Denominator	For vaccines in the infant immunization schedule, this would be the total number of children surviving who are aged between 12 to 23 months.
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	World Health Organization
Data Elements	Patient (Demographics), Encounter (ID, Code), Medication (Code, Dose), Procedure (Code, Date)

Indicator Id	FCSA_028
Unique Reference Id	ID_037
Name	Improved Sanitation Facilities
Description	The percentage of population with access to private or shared waste disposal facilities that can effectively prevent human, animal and insect contact with excreta
Report Name	Legatum Indicator Report
Numerator	Population using safely managed sanitation services
Denominator	Total population
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	World Bank Development Indicators
Data Elements	NA

Indicator Id	FCSA_029
Unique Reference Id	ID_001
Name	Life Expectancy at Birth
Description	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
Report Name	Legatum Indicator Report
Numerator	NA
Denominator	NA
Unit	Years
Unit Type	Numbers
MOHAP Data Sources (For Ranking)	World Bank Development Indicators
Data Elements	Death data by age group and date of birth

Indicator Id	FCSA_030
Unique Reference Id	ID_116
Name	Mortality Rate
Description	Age-Standardized total deaths for all causes, per 100,000 people, both sexes
Report Name	Legatum Indicator Report
Numerator	Number of deaths standardized by age and sexes
Denominator	Total number of population for the given age group or gender
Unit	Per 100000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	World Health Organization
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)

Indicator Id	FCSA_031
Unique Reference Id	ID_043
Name	Obesity Prevalence
Description	Percentage of defined population with a body mass index (BMI) of 30 kg/m ² or higher
Report Name	Legatum Indicator Report
Numerator	Number of respondents aged 18+ years who are overweight. Number of respondents aged 18+ years who are obese. BMI is calculated by dividing weight in kilograms by height in meters squared. Overweight is defined as having a BMI ≥ 25 kg/m ² and obesity is defined as having a BMI ≥ 30 kg/m ² .
Denominator	All respondents of the survey aged 18+ years.
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	World Health Organization
Data Elements	Patient (Demographics), Vital (Observation value, code, Date)

Indicator Id	FCSA_032
Unique Reference Id	ID_155
Name	Satisfaction with Healthcare
Description	Survey question: "In city/area, satisfied with the availability of quality healthcare?"
Report Name	Legatum Indicator Report
Numerator	Survey Questionnaire
Denominator	Survey Questionnaire
Unit	Survey response
Unit Type	Cardinals
MOHAP Data Sources (For Ranking)	Gallup World Poll
Data Elements	NA

Indicator Id	FCSA_033
Unique Reference Id	ID_008
Name	TB Deaths
Description	Quality-adjusted life years lost due to tuberculosis per 100,000 people. Logged value
Report Name	Legatum Indicator Report
Numerator	Number of deaths due to TB (all forms), excluding deaths in HIV-positive TB cases
Denominator	Number of years of exposure
Unit	Per 100000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	World Health Organization
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)

Indicator Id	FCSA_034
Unique Reference Id	ID_156
Name	Health Infrastructure
Description	Survey question: "Health infrastructure does not meet the needs of society/ meets the needs of society?"
Report Name	IMD
Numerator	Survey Questionnaire
Denominator	Survey Questionnaire
Unit	Survey response
Unit Type	Cardinals
MOHAP Data Sources (For Ranking)	IMD Executive Opinion Survey
Data Elements	NA

Indicator Id	FCSA_035
Unique Reference Id	ID_032
Name	Prevalence of wasting in children under 5 years of age (%)
Description	Percentage of wasting among children aged 0-5 years is defined as number of children aged 0-5 years that fall below minus two standard deviations from the median weight for height Of the WHO Child Growth Standards divided by the total no. of children aged 0-5 years that were measured multiplied by 100
Report Name	Sustainability and Development Goals Report
Numerator	Number of children aged 0–59 months who are wasted.
Denominator	Total number of children aged 0–59 months.
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	UNICEF
Data Elements	Patient (Demographics), Problem (Code, Onset Date), Vital (Observation Value, Date)

Indicator Id	FCSA_036
Unique Reference Id	ID_043
Name	Prevalence of obesity (%)
Description	This indicator reports the percentage of the adult population with a body mass index of 30 kg/m ² or higher. Based on measured height and weight
Report Name	Sustainability and Development Goals Report
Numerator	Number of respondents aged 18+ years who are overweight. Number of respondents aged 18+ years who are obese. BMI is calculated by dividing weight in kilograms by height in meters squared. Overweight is defined as having a BMI \geq 25 kg/m ² and obesity is defined as having a BMI \geq 30 kg/m ² .
Denominator	All respondents of the survey aged 18+ years.
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	WHO
Data Elements	Patient (Demographics), Vital (Observation value, code, Date)

Indicator Id	FCSA_037
Unique Reference Id	ID_003
Name	Mortality rate, under-5 (per 1,000 live births)
Description	Under five mortality rate is the probability of dying before age of 5 per 1000 live births
Report Name	Sustainability and Development Goals Report
Numerator	Number of deaths among children aged 0–4 years (0–59 months of age), broken down by age groups
Denominator	Number of live births (person-years of exposure)
Unit	Per 1000 live births
Unit Type	Rate
MOHAP Data Sources (For Ranking)	WB
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)

Indicator Id	FCSA_038
Unique Reference Id	ID_007
Name	Maternal mortality rate (per 100,000 live births)
Description	Maternal mortality ratio is the number of women who die from pregnancy-related causes during pregnancy or within 42 days of pregnancy termination per 100,000 live births
Report Name	Sustainability and Development Goals Report
Numerator	Number of maternal deaths from pregnancy-related causes during pregnancy or within 42 days of pregnancy termination multiplied by 100,000
Denominator	Number of live births
Unit	Per 100000 live births
Unit Type	Rate
MOHAP Data Sources (For Ranking)	WB
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)

Indicator Id	FCSA_039
Unique Reference Id	ID_005
Name	Neonatal mortality rate (per 1000 live births)
Description	Neonatal mortality rate is the number of neonates dying before reaching 28 days of age, per 1000 live births in a given year.
Report Name	Sustainability and Development Goals Report
Numerator	Number of children who died during the first 28 days of life
Denominator	Number of live births (years of exposure)
Unit	Per 1000 live births
Unit Type	Rate
MOHAP Data Sources (For Ranking)	WB
Data Elements	Patient (Demographics), Vitals (cause of death, date of death)

Indicator Id	FCSA_040
Unique Reference Id	ID_019
Name	HIV prevalence (per 1,000)
Description	Percentage of people living with HIV. Prevalence measures the frequency of existing disease in a defined population at a specific time
Report Name	Sustainability and Development Goals Report
Numerator	Total number of infections
Denominator	Total population
Unit	Per 1000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	GBD, 2016
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)

Indicator Id	FCSA_041
Unique Reference Id	ID_022
Name	Incidence of tuberculosis (per 100,000 people)
Description	Incidence of tuberculosis is the estimated number of new and relapse tuberculosis cases arising in a given year, expressed as the rate per 100,000 population
Report Name	Sustainability and Development Goals Report
Numerator	Number of new and relapse TB cases arising in a specified time period.
Denominator	Number of person-years of exposure.
Unit	Per 100000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	WB
Data Elements	Patient (Demographics), Diagnosis (ICD 10 codes, date of diagnosis)

Indicator Id	FCSA_042
Unique Reference Id	ID_157
Name	Prevalence of undernourishment (% of population)
Description	Population below minimum Level of dietary energy consumption whose food intake is insufficient to meet dietary requirements continuously
Report Name	Sustainability and Development Goals Report
Numerator	Total number of participants with insufficient intake of dietary requirements
Denominator	Total sample population including in the survey
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	Food and Agriculture Organization
Data Elements	Patient (Demographics), Problem (Code, Onset Date), Vital (Observation Value, Date)

Indicator Id	FCSA_043
Unique Reference Id	ID_031
Name	Prevalence of stunting (low height-for-age) in children under 5 years of age (%)
Description	Percentage of stunting among children aged 0-5
Report Name	Sustainability and Development Goals Report
Numerator	Number of children aged 0–59 months who are stunted.
Denominator	Total number of children aged 0–59 months who were measured.
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	UNICEF
Data Elements	Patient (Demographics), Problem (Code, Onset Date), Vital (Observation Value, Date)

Indicator Id	FCSA_044
Unique Reference Id	ID_014
Name	Adolescent fertility rate (births per 1,000 women ages 15-19)
Description	The numerator is the number of live births to women aged 15-19 years, and the denominator is an estimate of exposure to childbearing by women aged 15-19 years
Report Name	Sustainability and Development Goals Report
Numerator	Number of live births to women aged 15-19 years
Denominator	Exposure to childbearing by women aged 15-19 years
Unit	Per 1000 women (15-19 years)
Unit Type	Rate
MOHAP Data Sources (For Ranking)	World Health Statistics 2016
Data Elements	Raw data for births and mothers' age {women age group (15-19) years}

Indicator Id	FCSA_045
Unique Reference Id	ID_001
Name	Healthy life expectancy at birth (years)
Description	Average number of years that a person can expect to live in "full health" by taking into account years lived in less than full health due to disease and/or injury
Report Name	Sustainability and Development Goals Report
Numerator	NA
Denominator	NA
Unit	Years
Unit Type	Number
MOHAP Data Sources (For Ranking)	World Health Statistics 2016
Data Elements	Death data by age group and date of birth

Indicator Id	FCSA_046
Unique Reference Id	ID_057
Name	Percentage of surviving infants who received 2 WHO recommended vaccines (%)
Description	Vaccination coverage is calculated as the percentage of persons in the target age group who received a vaccine dose by a given age
Report Name	Sustainability and Development Goals Report
Numerator	The number of individuals in the target group for each vaccine that has received the last recommended dose in the series. For vaccines in the infant immunization schedule, this would be the number of children aged 12–23 months who have received the specified vaccinations before their first birthday.
Denominator	The total number of individuals in the target group for each vaccine. For vaccines in the infant immunization schedule, this would be the total number of infants surviving to age one.
Unit	Percentage of the target population that has received the last recommended dose for each vaccine
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	WHO & UNICEF
Data Elements	Patient (Demographics), Encounter (ID, Code), Medication (Code, Dose), Procedure (Code, Date)

Indicator Id	FCSA_047
Unique Reference Id	ID_158
Name	Daily smokers (% of population aged 15+)
Description	Daily smokers are people aged 15 years and over who are reporting to smoke every day
Report Name	Sustainability and Development Goals Report
Numerator	Survey Questionnaire
Denominator	Survey Questionnaire
Unit	Survey response
Unit Type	Cardinals
MOHAP Data Sources (For Ranking)	OECD
Data Elements	NA

Indicator Id	FCSA_048
Unique Reference Id	ID_036
Name	Access to improved water source (% of population)
Description	This indicator measures the percentage of the total population, urban and rural, with access to an improved water source
Report Name	Sustainability and Development Goals Report
Numerator	Population using safely managed drinking-water services
Denominator	Total Population
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	WHO & UNICEF
Data Elements	NA

Indicator Id	FCSA_049
Unique Reference Id	ID_037
Name	Access to improved sanitation facilities (% of population)
Description	This indicator measures the percentage of the total population, urban and rural, with access to an improved sanitation facility
Report Name	Sustainability and Development Goals Report
Numerator	Population using safely managed sanitation services
Denominator	Total population
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	WHO & UNICEF
Data Elements	NA

Indicator Id	FCSA_050
Unique Reference Id	ID_089
Name	Registered births (%)
Description	This indicator provides the proportion of children under the age of five whose births are reported as being registered with the relevant national civil authorities
Report Name	Sustainability and Development Goals Report
Numerator	Percentage of births that are registered within one month of age in a civil registration system.
Denominator	Number of births registered.
Unit	Percentage
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	UNICEF
Data Elements	Patient (Demographics)

Indicator Id	FCSA_051
Unique Reference Id	ID_011
Name	Death rate from NCDs (per 100,000)
Description	The probability of dying between the ages of 30 and 70 years from cardiovascular diseases, cancer, diabetes or chronic respiratory diseases, defined as the percent of 30-year-old-people who would die before their 70 th birthday from these diseases, assuming current mortality rates at every age and that individuals would not die from any other cause of death (e.g. injuries or HIV/AIDS)
Report Name	Sustainability and Development Goals Report
Numerator	Number of deaths due to the four causes
Denominator	Number of years of exposure
Unit	Per 100000 population
Unit Type	Rate
MOHAP Data Sources (For Ranking)	WHO (2017)
Data Elements	Patient (Demographics), Vitals (cause of death {ICD codes: 100–I99, COO–C97, E10–E14 and J30–J98}, date of death)

Indicator Id	FCSA_052
Unique Reference Id	ID_125
Name	Death rate from household and ambient pollution (per 100,000)
Description	Mortality rate that is attributable to the joint effects of fuels used for cooking indoors and ambient outdoor air pollution. Calculated as number of deaths divided by the total population.
Report Name	Sustainability and Development Goals Report
Numerator	Number of deaths due to Acute respiratory infections in young children (estimated under 5 years of age), Cerebrovascular diseases (stroke) in adults (estimated above 25 years), Ischaemic heart diseases (IHD) in adults (estimated above 25 years); Chronic obstructive pulmonary disease (COPD) in adults (estimated above 25 years) and Lung cancer in adults (estimated above 25 years)
Denominator	Total population
Unit	Per 100 population
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	WHO (2017)
Data Elements	Patient (demographics), Vital (Cause of death, Date), Diagnosis (ICD code, date)

Indicator Id	FCSA_053
Unique Reference Id	ID_052
Name	Births attended by skilled health personnel (%)
Description	The percentage of births attended by personnel trained to give the necessary supervision, care, and advice to women during pregnancy, labor, and the postpartum period; to conduct deliveries on their own; and to care for newborns
Report Name	Sustainability and Development Goals Report
Numerator	Number of births attended by skilled health personnel (doctors, nurses or midwives) trained in providing life-saving obstetric care, including giving the necessary supervision, care and advice to women during pregnancy, childbirth and the postpartum period, to conduct deliveries on their own, and to care for newborns.
Denominator	The total number of live births in the same period
Unit	Percentage of live births attended by skilled health personnel
Unit Type	Percentage
MOHAP Data Sources (For Ranking)	UNICEF (2017)
Data Elements	Patient (demographics), Procedure (Code, date)

Indicator Id	FCSA_054
Unique Reference Id	ID_159
Name	UHC Tracer Index (0-100)
Description	Summary measure of coverage of essential health services, computed for each country by averaging service-coverage values across 16 tracer indicators on (i) reproductive, maternal, newborn and child health; (ii) infectious diseases; (iii) non - communicable diseases; and (iv) service capacity and access, and health security
Report Name	Sustainability and Development Goals Report
Numerator	The calculation method is not yet established.
Denominator	The calculation method is not yet established.
Unit	TBD
Unit Type	TBD
MOHAP Data Sources (For Ranking)	GBD (2016)
Data Elements	NA

7. METADATA FOR NATIONAL HEALTH WORKFORCE INDICATORS

NHW ID	1.01
Unique Reference Id	ID_169
Abbreviation	Health worker density
Name	Density of health workers per 10000 population
Description	Number of health workers per 10 000 population. For activity level the following categories are recommended: practicing health workers, professionally active health workers, and health workers licensed to practice. Total population as estimated by the UN Statistics Division. In case of other methodology used, WHO recalculates densities according to the UN Statistics population data to harmonize the densities and ensure comparability.
Classification	Active health workforce stock
Dimension	Stock
Numerator	Number of health workers defined in headcounts
Denominator	Total population
Unit	Per 10000 population
Unit Type	Rate
WHO Recommended Sources	Health workforce registry or database, Aggregate data from health facilities (routine administrative records, Health Management Information System, District Health Information System census and/or survey), Professional council/chamber/association registers, Labour force surveys, Population census data, United Nations Statistics Division population data
Data Elements	Employee (Unique identifier), Employment (Category, Status)

NHW ID	1.02
Unique Reference Id	ID_170
Abbreviation	Health worker density at subnational level
Name	Density of active health workers per 10000 population at subnational level
Description	Number of active health workers per 10 000 population in the given subnational administrative unit. Preferably, the location where the health worker works should be considered when subnational levels are defined according to Member States' needs. The use of administrative units to the first or second subnational level is recommended (depending on the structure of administrative units and the size of subnational territories), without overlaps between the administrative units. Examples of subnational administrative units: states, regions, provinces, counties, and districts.
Classification	Active health workforce stock
Dimension	Stock
Numerator	Number of active health workers at subnational administrative units, defined in headcounts
Denominator	Total population at subnational level
Unit	Per 10000 population
Unit Type	Rate
WHO Recommended Sources	Health workforce registry or database, Aggregate data from health facilities (routine administrative records, Health Management Information System, District Health Information System census and/or survey), Professional council/chamber/association registers, Population census data, Health facility database (with location), United Nations Statistics Division population data
Data Elements	Employee (Unique identifier, Country of Residence), Employment (Category, Status)

NHW ID	1.03
Unique Reference Id	ID_171
Abbreviation	Health worker distribution by age group
Name	Percentage of active health workers in different age groups
Description	Percentage of active health workers in the given age groups, by occupation. Age groups considered are the following: > 25, 25–34, 35–44, 45–54, 55–64, ≤ 65
Classification	Active health workforce stock
Dimension	Distribution
Numerator	Number of active health workers in a specific age group
Denominator	Total number of active health workers defined in headcounts
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	Health workforce registry or database, Aggregate data from health facilities (routine administrative records, Health Management Information System, District Health Information System census and/or survey), Professional council/chamber/association registers, Labour force surveys, Population census data
Data Elements	Employee (Unique identifier, Date of birth), Employment (Category, Status)

NHW ID	1.04
Unique Reference Id	ID_172
Abbreviation	Female health workforce
Name	Percentage of female health workers in active health workforce
Description	Percentage of female health workers in active health workforce, by occupation.
Classification	Active health workforce stock
Dimension	Distribution
Numerator	Number of active female health workers
Denominator	Total number of active male and female health workers defined in headcounts
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	Health workforce registry or database, Aggregate data from health facilities (routine administrative records, Health Management Information System, District Health Information System census and/or survey), Labor force surveys, Population census data
Data Elements	Employee (Unique identifier, Gender), Employment (Category, Status)

NHW ID	1.05
Unique Reference Id	ID_173
Abbreviation	Health worker distribution by facility ownership
Name	Percentage of active health workers employed by type of facility ownership
Description	Percentage of active health workers employed in facilities by type of ownership (public, private not-for profit, private for-profit). The categories of facility ownership can be aligned to institutional sector definitions of the System of National Accounts (SNA 2008)
Classification	Active health workforce stock
Dimension	Distribution
Numerator	Number of active health workers, defined in headcounts, working in facilities owned by the given institutional sector
Denominator	Total number of active health workers defined in headcounts
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	Health workforce registry or database, Aggregate data from health facilities (routine administrative records, Health Management Information System, District Health Information System census and/or survey)
Data Elements	Employee (Unique identifier), Employment (Category, Status), Facility (ID, Name, Ownership)

NHW ID	1.06
Unique Reference Id	ID_174
Abbreviation	Health worker distribution by facility type
Name	Percentage of active health workers employed by facility type
Description	<p>Percentage of active health workers employed in the given facility type, by occupation. Health facility types based on the classification of System of Health Accounts:</p> <ul style="list-style-type: none"> • Hospitals (HP:1) • Residential long-term care facilities (HP:2) • Providers of ambulatory health care (HP:3) • Ancillary services (HP:4, including transportation, emergency rescue, laboratories and others) • Retailers (HP:5, including pharmacies) • Providers of preventive care (HP:6).
Classification	Active health workforce stock
Dimension	Distribution
Numerator	Number of active health workers, defined in headcounts, working in a specific facility type
Denominator	Total number of active health workers, defined in headcounts
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	Health workforce registry or database, Aggregate data from health facilities (routine administrative records, Health Management Information System, District Health Information System census and/or survey)
Data Elements	Employee (Unique identifier), Employment (Category, Status), Facility (ID, Name, Type)

NHW ID	1.07
Unique Reference Id	ID_175
Abbreviation	Share of foreign-born health workers
Name	Percentage of active foreign-born health workers
Description	This indicator will capture the information on health workforce coming from abroad.
Classification	Active health workforce stock
Dimension	Migration
Numerator	Number of active foreign-born health workers
Denominator	Total number of active health workers, defined in headcounts
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	Health workforce registry or database, Professional council/chamber/ association registers, Health facility data, Population census data (data mainly available on place of birth, not place of training)
Data Elements	Employee (Unique identifier, Name, Place of Birth), Employment (Category)

NHW ID	1.08
Unique Reference Id	ID_176
Abbreviation	Share of foreign-trained health workers
Name	Percentage of active foreign-born health workers
Description	Percentage of active foreign-trained health workers in the active health workforce.
Classification	Active health workforce stock
Dimension	Migration
Numerator	Number of active foreign-trained health workers
Denominator	Total number of active health workers, defined in headcounts
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	Health workforce registry or database, Professional council/chamber/ association registers, Health facility data
Data Elements	Employee (Unique identifier, Name), Employment (Category), Professional License and Certification (Unique Identifier, Name, Status, Place of Education/ Training Program)

NHW ID	1.09
Unique Reference Id	ID_177
Abbreviation	Share of workers across health and social sectors
Name	Percentage of workers in the health and social sector to total civilian workers
Description	<p>Ratio of the number of persons working in health and social sector to the total number of persons employed in the civilian labour force. Total civilian corresponds to the total labour force excluding armed forces. People working in health and social sectors include those working in the following divisions of the International Standard Industrial Classification (ISIC) Rev. 4:</p> <ul style="list-style-type: none"> • 86 Human health activities • 87 Residential care activities • 88 Social work activities without accommodation. <p>This indicator aligns with the indicator “Total health and social employment” of OECD Health Statistics. In case of lack of data on ISIC activities, the ratio between health employment and total civilian employment can be used for approximation.</p>
Classification	Active health workforce stock
Dimension	Distribution
Numerator	Number of persons working in health or social sector, in headcounts
Denominator	Total number of persons employed, defined in headcounts
Unit	Per 100 population
Unit Type	Percentage
WHO Recommended Sources	Labour force surveys, Tax registries, insurance or pension fund registries
Data Elements	Employee (Unique identifier), Employment (Category, Status)

NHW ID	2.01
Unique Reference Id	ID_178
Abbreviation	Master list of accredited health workforce education and training institutions
Name	Existence of a master list of accredited health workforce education and training institutions that is up to date and available in the public domain (Yes/No/Partly)
Description	Existence of a master list of accredited health workforce education and training institutions that is up to date and available in the public domain.
Classification	Education and training
Dimension	Applications
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	National Statistical Service, Ministry of Labour and Human Resources, Ministry of Education, Labour Bureau, Ministry of Labour and Employment
Data Elements	Not applicable

NHW ID	2.02
Unique Reference Id	ID_179
Abbreviation	Duration of education and training
Name	Duration of health workforce education and training, by health workforce education and training program
Description	Duration of health workforce education and training is the number of years required to complete a full curriculum for each health workforce education and training program
Classification	Education and training
Dimension	Applications
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Ministry of Education, Database on education and training statistics, Education and training institutions
Data Elements	Professional License and Certification (Unique Identifier, Name, Program Duration)

NHW ID	2.03
Unique Reference Id	ID_180
Abbreviation	Applications for education and training
Name	Ratio of applications for health workforce education and training to training places
Description	Applications for the first year of a health workforce education and training program divided by the number of training places for this first year.
Classification	Education and training
Dimension	Applications
Numerator	Number of applications for education and training places
Denominator	Total number of places available
Unit	Per institute
Unit Type	Rate
WHO Recommended Sources	Ministry of Education, Ministry of Higher Education, Databases on education and training statistics; education and training institutions
Data Elements	Employee (Unique Identifier), Professional License and Certification (Unique Identifier, Name, Category, Available seats, Applicant status, Application Date)

NHW ID	2.04
Unique Reference Id	ID_181
Abbreviation	Ratio of admissions to available places
Name	Ratio of admissions in health workforce education and training programs to available places
Description	Ratio of admissions in health workforce education and training programs to available places
Classification	Education and training
Dimension	Admissions
Numerator	Total number of admissions in the first year of a health workforce education and training program
Denominator	Total number of places available for the first year of a health workforce education and training program
Unit	Per unit place
Unit Type	Rate
WHO Recommended Sources	Databases on education statistics; education and training institutions
Data Elements	Employee (Unique identifier), Professional License and Certification (Unique Identifier, Name, Category, Applicant Status, Available Seats, Application Date)

NHW ID	2.05
Unique Reference Id	ID_182
Abbreviation	Ratio of students to qualified educators for education and training
Name	Ratio of students enrolled in health workforce education and training programs to qualified educators in a given year
Description	Ratio of students enrolled in health workforce education and training to qualified educators in a given year, by health workforce education and training program. Purpose: To measure the level of human resources input in terms of the number of educators in relation to the size of the student population. The results can be compared to established national norms on the number of students per educator for each health workforce education and training program.
Classification	Education and training
Dimension	Admissions
Numerator	Total number of students enrolled in health workforce education and training programs in a given year
Denominator	Total number of qualified educators for health workforce education and training programs in the same year
Unit	Per qualified educator
Unit Type	Rate
WHO Recommended Sources	Databases of health education and training institutions
Data Elements	Employee (Unique identifier), Professional License and Certification (Unique Identifier, Name, Category, Applicant Status, Application Date, Educater/Trainer ID, Educater/Trainer ID Name)

NHW ID	2.06
Unique Reference Id	ID_183
Abbreviation	Exit / drop-out rate from education and training programs
Name	Rate of students from a cohort exiting a health workforce education and training program without completion
Description	<p>Rate of students from a cohort leaving a health workforce education and training program without completion, by health workforce education and training program, by sex.</p> <p>The exact drop-out rate can also be calculated from longitudinal information on students following cohorts of students over several years. If such data are available, the drop-out rate estimated on the most recent complete cohort can be reported.</p>
Classification	Education and training
Dimension	Exit / drop out
Numerator	Number of students from a cohort not completing or repeating a year of a health workforce education and training program
Denominator	Number of students from the same cohort who enrolled in a health workforce education and training program the previous year
Unit	Per unit student
Unit Type	Rate
WHO Recommended Sources	Databases of health education and training institutions
Data Elements	Employee (Unique identifier), Employment (Category), Professional License and Certification (Unique Identifier, Name, Category, Applicant Status)

NHW ID	2.07
Unique Reference Id	ID_184
Abbreviation	Graduation rate from education and training programs
Name	Ratio of the number of students graduating from a health workforce education and training program to the number of students enrolled in first year of the same education and training program
Description	This indicator aims to approach the graduation rate using data available on an annual basis. The exact graduation rate can also be calculated from longitudinal information on students following cohorts of students. If such data are available, the graduation rate estimated from the most recent complete cohort can be reported.
Classification	Education and training
Dimension	Graduation
Numerator	Number of graduates from a cohort of a health workforce education and training program
Denominator	Number of students enrolled in first year of the same health workforce education and training program
Unit	Per unit student
Unit Type	Rate
WHO Recommended Sources	Databases of health education and training institutions
Data Elements	Employee (Unique identifier), Employment (Category), Professional License and Certification (Unique Identifier, Name, Applicant Status, Category)

NHW ID	3.01
Unique Reference Id	ID_185
Abbreviation	Standards for the duration and content of education and training
Name	Existence of national and/or subnational standard on the duration and content of health workforce education and training (Yes/No/Partly)
Description	<p>Existence of national and/or subnational standard on the duration and content of health workforce education and training, by health workforce education and training program. The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Are entry requirements to health workforce education and training program established concerning age, previous studies, previously acquired competence by study and past professional experience? 2. Are the total number of hours to be spent on health workforce education and training established? 3. Is there a list of knowledge, skills and competencies to be acquired during health workforce education and training?
Classification	Education and training regulation and accreditation
Dimension	Regulation
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Ministry of Health, Ministries of Education, Higher Education or similar
Data Elements	Not applicable

NHW ID	3.02
Unique Reference Id	ID_186
Abbreviation	Accreditation mechanisms for education and training institutions and their programs
Name	Existence of national and/or subnational mechanisms for accreditation of health workforce education and training institutions and their programs (Yes/No/Partly)
Description	<p>The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Have national and/or subnational mechanisms for accreditation of health workforce education and training institutions and their programs been established? 2. Are national and/or subnational mechanisms for accreditation of health workforce education and training institutions and their programs compulsory? 3. Are there national and/or subnational mechanisms for accreditation of health workforce education and training institutions and their programs that are not compulsory? 4. If established, do national and/or subnational mechanisms for accreditation of health workforce education and training institutions and their programs consider national education plans for the health workforce, as described in indicator 09_04?
Classification	Education and training regulation and accreditation
Dimension	Accreditation
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Ministry of Health, Ministries of Education, Higher Education or similar, National accreditation authorities, Legitimate bodies, statutory corporations, Professional council/chamber/association registers
Data Elements	Not applicable

NHW ID	3.03
Unique Reference Id	ID_187
Abbreviation	Standards for social accountability
Name	Existence of national and/or subnational standards for social accountability in accreditation mechanisms (Yes/No/Partly)
Description	The following questions should guide a response to this indicator: <ol style="list-style-type: none"> 1. Is social accountability included or reflected within national and/or subnational standards? 2. Is there an involvement of civil society, other social stakeholders and communities in accreditation mechanisms?
Classification	Education and training regulation and accreditation
Dimension	Accreditation
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Ministry of Health, Higher Education or similar, National accreditation authorities, Professional bodies or associations, Legitimate bodies, statutory corporations
Data Elements	Not applicable

NHW ID	3.04
Unique Reference Id	ID_188
Abbreviation	Standards for social accountability effectively implemented
Name	National and/or subnational standards for social accountability in accreditation mechanisms are effectively implemented (Yes/No/Partly)
Description	<p>The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Do national and/or subnational mechanisms for accreditation of health workforce education and training institutions and their programs require compulsory reporting on implementation of national or subnational standards on social accountability? 2. Do the communities served by the health workforce education and training institutions participate in the decision-making of these institutions? 3. Do students learn and train in the communities that the health workforce education and training institution serves (community placements)? 4. Do health workforce education and training institutions measure their impact on the health system and populations they serve?
Classification	Education and training regulation and accreditation
Dimension	Accreditation
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Ministry of Health, Higher Education or similar, National accreditation authorities, Professional bodies or associations, Legitimate bodies, statutory corporations
Data Elements	Not applicable

NHW ID	3.05
Unique Reference Id	ID_189
Abbreviation	Standards for social determinants of health
Name	Existence of national and/or subnational standards for the social determinants of health in accreditation mechanisms (Yes/No/Partly)
Description	<p>The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Are the social determinants of health included or reflected within national and/or subnational standards? 2. Do health workforce education and training institutions measure social determinants of health in the populations they serve? 3. Do health workforce education and training institutions adapt curricula according to social determinants of health in their communities?
Classification	Education and training regulation and accreditation
Dimension	Accreditation
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Ministry of Health, Higher Education or similar, National accreditation authorities, Professional bodies or associations, Legitimate bodies, statutory corporations
Data Elements	Not applicable

NHW ID	3.06
Unique Reference Id	ID_190
Abbreviation	Standards for interprofessional education
Name	Existence of national and/or subnational standards for interprofessional education in accreditation mechanisms (Yes/No/Partly)
Description	The following question should guide a response to this indicator: Is interprofessional education included or reflected within national and/or subnational standards?
Classification	Education and training regulation and accreditation
Dimension	Accreditation
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Ministry of Health, Higher Education or similar, National accreditation authorities, Professional bodies or associations, Legitimate bodies, statutory corporations
Data Elements	Not applicable

NHW ID	3.07
Unique Reference Id	ID_191
Abbreviation	Agreement on accreditation standards
Name	Existence of cooperation between health workforce education and training institutions and regulatory bodies to agree on accreditation standards (Yes/No/Partly)
Description	The following questions should guide a response to this indicator: <ol style="list-style-type: none"> 1. Is there a coordinating mechanism or body in place for this task? 2. Are various stakeholders at national and institutional level involved in the coordination process? 3. Are there institutional mechanisms in place to coordinate accreditation systems, including negotiations with relevant ministries, government agencies and stakeholders?
Classification	Education and training regulation and accreditation
Dimension	Accreditation
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Ministry of Health, Higher Education or similar, National accreditation authorities, Professional bodies or associations, Legitimate bodies, statutory corporations
Data Elements	Not applicable

NHW ID	3.08
Unique Reference Id	ID_192
Abbreviation	Continuing professional development
Name	Existence of national systems for continuing professional development (Yes/No/Partly)
Description	<p>The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Are there existing national and/or subnational systems for continuing professional development (CPD)? 2. If national and/or subnational systems for CPD exist, are they compulsory? 3. If compulsory, are they linked to relicensure? 4. For occupations that have a national and/or subnational system for CPD, is it integrated into national education plans for the health workforce, for that occupation (see indicator 09_04)? If both compulsory and voluntary CPD exist for an occupation, then “Existing compulsory” should be chosen.
Classification	Education and training regulation and accreditation
Dimension	Lifelong learning
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Ministry of Health, Ministries of Education, Higher Education or similar, National accreditation authorities, Legitimate bodies, statutory corporations, Professional council/chamber/association registers
Data Elements	Not applicable

NHW ID	3.09
Unique Reference Id	ID_193
Abbreviation	In-service training
Name	Existence of in-service training as an element of national education plans for the health workforce (Yes/No/Partly)
Description	Existence of in-service training as an element of national education plans for the health workforce, aligned with the national health plan (see indicator 09_04). The following questions should guide a response to this indicator: <ol style="list-style-type: none"> 1. Is in-service training integrated into larger national education-wide sector policies, strategies and plans? 2. Does in-service training consider and consider national policies, strategies and plans for transforming professional, technical and vocational education and training? 3. Does in-service training consider and consider national policies, strategies and plans for adult learning and higher education?
Classification	Education and training regulation and accreditation
Dimension	Lifelong learning
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Ministry of Health, Higher Education or similar, Ministries responsible for labor
Data Elements	Not applicable

NHW ID	4.01
Unique Reference Id	ID_194
Abbreviation	Total expenditure on higher education
Name	Total expenditure on higher health education
Description	Total expenditure on higher education, by public and private sources.
Classification	Education finances
Dimension	Financing of higher education
Numerator	Not applicable
Denominator	Not applicable
Unit	Currency
Unit Type	Number
WHO Recommended Sources	Integrated financial management information system: Ministry of Finance; Ministry of Health; Ministry of Education; Ministry of Defence (expenditure on military HWF education may fall under the Ministry of Defence budget), Education management information system: Ministry of (Higher) Education; ministry or other, accredited bodies responsible for technical and vocational education and training, National Bureau of Statistics – Government financial statistics departments, National Education Accounts
Data Elements	National Data (Higher Health education/training Budget/Expenditure)

NHW ID	4.02
Unique Reference Id	ID_195
Abbreviation	Total expenditure on health workforce education
Name	Total expenditure on health workforce pre-service education (current and capital)
Description	Total expenditure on health workforce education (current and capital) by public/private sources. Education here refers to pre-service education and does not include in-service education and training. Calculation method: divide total public expenditure on health workforce education in a given financial year by the gross national income of the country for the corresponding year and multiply by 100.
Classification	Education finances
Dimension	Financing of higher education
Numerator	Not applicable
Denominator	Not applicable
Unit	Currency
Unit Type	Number
WHO Recommended Sources	Integrated Financial Management Information System; Ministry of Finance; Ministry of Health; Ministry of Education; Ministry of Defense (expenditure on military HWF education may fall under the Ministry of Defense budget), Education Management Information System: Ministry of (Higher) Education; ministry or other, accredited bodies responsible for technical and vocational education and training, National Bureau of Statistics – Government financial statistics departments, National Health Accounts, National Education Accounts
Data Elements	National Data (Health workforce education Expenditure, Funding Source)

NHW ID	
	4.03
Unique Reference Id	ID_196
Abbreviation	Average tuition fee per student
Name	Average tuition fee per student per year enrolled in health workforce education and training
Description	Average tuition fee per student enrolled in health workforce education and training per year, by health workforce education and training program. This computation should exclude students exonerated from paying tuition fees.
Classification	Education finances
Dimension	Financing of higher education
Numerator	Total tuition fees paid by students enrolled in health workforce education and training programs for a given year
Denominator	Total number of students paying tuition fees enrolled in health workforce education and training programs for a given year
Unit	Currency
Unit Type	Number
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Finance • Ministry of Education • Databases on education statistics • Education and training institutions
Data Elements	National Data (Gross National Income)

NHW ID	4.04
Unique Reference Id	ID_197
Abbreviation	Investment in transformative education and training
Name	Investment in transformative education and training (Yes/No/Partly)
Description	<p>Existence of national health workforce strategies and national institutional financing reforms that identify and commit adequate budgetary resources for investment in transformative education. The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Has a mechanism been established and/or supported to increase sustainable financing for expanding and transforming the health workforce? 2. Do national health workforce strategies and institutional financing reforms identify and commit, respectively, adequate funding for investment in the International Health Regulations core capacities, including skills development of national and international health workers in humanitarian settings and public health emergencies? 3. Is guidance available on financing lifelong learning systems that can strengthen priority health and social workforce cadres (including community-based health workers), and achieve integrated people-centred care?
Classification	Education finances
Dimension	Investment
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Integrated Financial Management Information System: Ministry of Finance; Ministry of Health; Ministry of Education; Ministry of Defence (expenditure on military HWF education may fall under this budget) • Education Management Information System: Ministry of (Higher) Education; ministry or other accredited body responsible for technical and vocational education and training • National Bureau of Statistics – Government financial statistics departments • National Health Accounts • National Education Accounts
Data Elements	Employee (Unique identifier), Professional License and Certification (Unique Identifier, Name, Category, Applicant Status, Application Date, Tuition Fee)

NHW ID	4.05
Unique Reference Id	ID_198
Abbreviation	Expenditure per graduate on health workforce education
Name	Expenditure per graduate enrolled in health workforce education and training program
Description	Expenditure on health workforce education per graduate, by health workforce education and training program, by institution ownership (public or private).
Classification	Education finances
Dimension	Education expenditure
Numerator	Total expenditure on health workforce education
Denominator	Total number of graduates from health workforce education and training programs
Unit	Per unit student
Unit Type	Rate
WHO Recommended Sources	<ul style="list-style-type: none"> • Integrated Financial Management Information System: Ministry of Finance; Ministry of Health; Ministry of Education; Ministry of Defence (expenditure on military HWF education may fall under this budget) • Education Management Information System: Ministry of (Higher) Education; ministry or other accredited body responsible for technical and vocational education and training • National Bureau of Statistics – Government financial statistics departments • National Health Accounts • National Education Accounts
Data Elements	Employee (Unique identifier), Professional License and Certification (ID, Name, Category, Applicant Status, Tuition Fee), Facility (ID, Ownership, Name), National Data (Total Expenditure on health workforce education)

NHW ID	4.06
Unique Reference Id	ID_199
Abbreviation	Cost per graduate of medical specialist education programs
Name	Recurrent costs of specialist medical education per graduate
Description	Recurrent costs of education per graduate, by occupation, and by institutional sector. Specialties follow the OECD/Eurostat/WHO-EURO Joint Questionnaire list of medical specialties.
Classification	Education finances
Dimension	Education expenditure
Numerator	Total cost of specialist medical education
Denominator	Number of graduates from medical specialist programs
Unit	Per unit student
Unit Type	Rate
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Finance • Ministry of Education • Databases on education statistics • Education and training institutions
Data Elements	Employee (Unique identifier), Employment (Category), Professional License and Certification (ID, Name, Category, Sub-Category, Budget/Expenditure), Facility (Facility/Institution ID, Type, Name)

NHW ID	4.07
Unique Reference Id	ID_200
Abbreviation	Cost of qualified educators per graduate
Name	Cost of qualified educators per graduate
Description	Cost of qualified educators per graduate, by health workforce education and training program
Classification	Education finances
Dimension	Education expenditure
Numerator	Total recurrent costs of qualified educators
Denominator	Number of graduates from health workforce education and training programs
Unit	Per unit student
Unit Type	Rate
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Finance • Ministry of Education • Databases on education statistics • Education and training institutions
Data Elements	Employee (Unique identifier, Name), Employment (Category), Professional License and Certification (ID, Name, Status, Applicant Status, Educator/Trainer ID, Educator/Trainer Name, Educator/Trainer overall cost, Education/Training program Category, Education/Training program sub-Category), Facility (ID, Type, Name)

NHW ID	4.08
Unique Reference Id	ID_201
Abbreviation	Total expenditure on in-service training and continuing professional development
Name	Total expenditure on in-service training and continuing professional development
Description	Total expenditure on in-service training and continuing professional development.
Classification	Education finances
Dimension	Lifelong learning
Numerator	Not applicable
Denominator	Not applicable
Unit	Currency
Unit Type	Number
WHO Recommended Sources	<ul style="list-style-type: none"> • Integrated Financial Management Information System: Ministry of Finance; Ministry of Health; Ministry of Education; Ministry of Defence (expenditure on military HWF education may fall under this budget) • Education Management Information System: Ministry of (Higher) Education; ministry or other accredited body responsible for technical and vocational education and training • National Bureau of Statistics – Government financial statistics departments • National Health Accounts • National Education Accounts
Data Elements	Professional License and Certification (ID, Name, Category, Sub-category, Type, Budget/Expenditure)

NHW ID		5.01
Unique Reference Id	ID_202	
Abbreviation	Graduates starting practice within one year	
Name	Ratio of previous year graduates who started practice to total number of previous year graduates	
Description	Ratio of previous year graduates who started practice within one year after graduation to total number of previous year graduates, by occupation. For physicians, graduates who started internship/residency training after graduation are included in the list of graduates who started practice.	
Classification	Health labour market flows	
Dimension	Entry into labour market	
Numerator	Number of previous year graduates who started practice within one year after graduation	
Denominator	Number of previous year graduates	
Unit	Per unit student	
Unit Type	Rate	
WHO Recommended Sources	<ul style="list-style-type: none"> • Health workforce registry or database • Database on graduates of education and training programs (individual or aggregate data) • Professional council/chamber/association registers 	
Data Elements	Employee (Unique identifier, Name), Employment (Category, Employment Status, Date of Joining), Professional License and Certification (ID, Name, Status, Date of completion of program)	

NHW ID	5.02
Unique Reference Id	ID_203
Abbreviation	Replenishment rate from domestic efforts
Name	Ratio of newly active domestic trained health workers to total stock of active health workers
Description	Newly active health workers: health workers who started their activity in the given profession. In case data are available only for newly licensed health workers, the total number of licensed health workers should be used as denominator regardless of availability of data on active health workers. Only domestic trained health workers should be included. Health workers who started their activity after a temporary leave should also be counted. For total number of active health workers, data at the middle or the end of the reference year should be used.
Classification	Health labour market flows
Dimension	Entry into labour market
Numerator	Number of newly active domestic trained health workers
Denominator	Total number of active health workers defined in headcounts
Unit	Per active health worker
Unit Type	Rate
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health database • Health workforce registry or database • Professional council/chamber/association registers • Aggregate data from health facilities (routine administrative records, Health Management Information System, District Health Information System census and/or survey)
Data Elements	Employee (Unique identifier, Name), Employment (Category, Status, Date of Joining), Professional License and Certification (ID, Date of completion of program, Country of Education/Training)

NHW ID		5.03	
Unique Reference Id	ID_204		
Abbreviation	Entry rate of foreign health workers		
Name	Percentage of newly active foreign-trained health workers to total stock of active health workers		
Description	Newly active health workers: health workers who start their activity in the given year in the given profession. In the event data are only available on newly licensed health workers, the total number of licensed health workers should be used as denominator regardless of availability of data on active health workers. In the absence of data on foreign-trained health workers, the number of foreign-born health workers starting practice can be used. For the total number of active health workers, data at the middle or the end of the year should be used.		
Classification	Health labour market flows		
Dimension	Entry into labour market		
Numerator	Number of newly active foreign-trained health workers (in the given year)		
Denominator	Total number of active health workers defined in headcounts		
Unit	Per 100 active health workers		
Unit Type	Percentage		
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health database • Health workforce registry or database • Professional council/chamber/association registers • Aggregate data from health facilities (routine administrative records, Health Management Information System, District Health Information System census and/or survey) 		
Data Elements	Employee (Unique identifier, Name), Employment (Category, Status, Date of Joining), Professional License and Certification (ID, Date of completion of program, Country of Education/Training)		

NHW ID	5.04
Unique Reference Id	ID_205
Abbreviation	Voluntary exit rate from health labour market
Name	Ratio of active health workers voluntarily leaving the health sector labour market to total stock of active health workers
Description	Percentage of active health workers who became inactive in the health sector labour market due to emigration, temporary leave, change of sector, early retirement or other voluntary reason, disaggregated by occupation and by sex. For the total number of active health workers, data at the end of the previous year should be used. Only early retirement should be considered as voluntary exit; retirement at standard age is to be counted in the involuntary exit 05_05.
Classification	Health labour market flows
Dimension	Exit from labour market
Numerator	Number of health workers who became inactive in the health sector labour market due to emigration, temporary leave, change of sector, early retirement or other voluntary reason (in the given year)
Denominator	Total number of active health workers defined in headcounts
Unit	Per active health worker
Unit Type	Rate
WHO Recommended Sources	<ul style="list-style-type: none"> • Health workforce registry or database • Professional council/chamber/association registers • Aggregate data from health facilities (routine administrative records, Health Management Information System, District Health Information System census and/or survey)
Data Elements	Employee (Unique identifier, Name, Gender), Employment (Category, Status, Type of employment exit)

NHW ID	5.05
Unique Reference Id	ID_206
Abbreviation	Involuntary exit rate from health labour market
Name	Ratio of active health workers involuntarily leaving the health sector labour market to total stock of active health workers, by occupation, by sex
Description	For total number of active health workers, data at the end of the previous year should be used. Retirement only includes workers stopping their activity at the standard age of retirement. Early retirement is excluded from this indicator and should be counted in the voluntary exit under 05_04.
Classification	Health labour market flows
Dimension	Exit from labour market
Numerator	Number of health workers who became inactive in the health sector labour market due to death, retirement (excluding early retirement), suspension from work, long-term illness or other involuntary reason (in the given year)
Denominator	Total number of active health workers defined in headcounts
Unit	Per active health worker
Unit Type	Rate
WHO Recommended Sources	<ul style="list-style-type: none"> • Health workforce registry or database • Professional council/chamber/association registers • Aggregate data from health facilities (routine administrative records, Health Management Information System, District Health Information System census and/or survey) • Data from pension and/or retirement administration units • Mortality records
Data Elements	Employee (Unique identifier, Name, Gender), Employment (Category, Status, Type of employment exit)

NHW ID	5.06
Unique Reference Id	ID_207
Abbreviation	Unemployment rate
Name	Unemployment rate
Description	Unemployment rate as defined by national employment standard. Persons in unemployment are those of legal working age who are not currently employed, but who have actively sought employment and are available to take up a job opportunity. New graduates not in activity should also be included. For unemployed persons, occupation refers to the last job they held for which they are qualified. If information on the “last job held” is missing, the “occupation in which the jobseeker is seeking work” can be used.
Classification	Health labour market flows
Dimension	Labour market imbalances
Numerator	Number of trained health workers currently unemployed
Denominator	Total number of active health workers in the labour force and unemployed health workers
Unit	Per health worker
Unit Type	Rate
WHO Recommended Sources	<ul style="list-style-type: none"> • Statistics from employment offices • Labour force surveys • National health accounts surveys • Population census data
Data Elements	Employee (Unique identifier, Name), Employment (Category, Status)

NHW ID		5.07
Unique Reference Id	ID_208	
Abbreviation	Vacancy rate	
Name	Ratio of unfilled posts to total number of posts	
Description	Ratio of unfilled posts to total number of posts, by occupation and by subnational level.	
Classification	Health labour market flows	
Dimension	Labour market imbalances	
Numerator	Number of funded full-time posts that have not been filled for at least six months, which employers are actively trying to fill	
Denominator	Total number of funded full-time posts (filled and unfilled)	
Unit	Per unit post	
Unit Type	Rate	
WHO Recommended Sources	<ul style="list-style-type: none"> • Labour force surveys • Health facility assessments • Employment offices and/or job agencies 	
Data Elements	Employment (Category, Job ID, Job Status, Job Category, Date of posting job vacancy, Job location(Sub National Level))	

NHW ID	6.01
Unique Reference Id	ID_209
Abbreviation	Standard working hours
Name	Number of standard working hours per week as per national law/standards
Description	Number of standard working hours per week as per national law/standards. Report standard working hours at national level and disaggregate by occupation if regulations on standard working hours vary by occupation.
Classification	Employment characteristics and working conditions
Dimension	Working time
Numerator	Not applicable
Denominator	Not applicable
Unit	Hours
Unit Type	Number
WHO Recommended Sources	<ul style="list-style-type: none"> • Employment laws, policies and regulations • Collective agreements
Data Elements	Employee (Unique Identifier, Name), Employment (Category, Status, Working hours), National Data (Standard working hours per week)

NHW ID	6.02
Unique Reference Id	ID_210
Abbreviation	Health workers with a part-time contract
Name	Percentage of employed health workers with a part-time contract
Description	Ratio of employed health workers with a part-time contract to the total health workforce
Classification	Employment characteristics and working conditions
Dimension	Working time
Numerator	Number of active health workers who have an employment contract that is below the national standard working hours, defined in headcounts
Denominator	Total number of active health workers defined in headcounts
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	<ul style="list-style-type: none"> • Facility database and/or surveys • Health workforce registry or database • Labour force surveys • Public service human resource and payroll administrations
Data Elements	Employee (Unique identifier, Name), Employment (Category, Status, Job Category)

NHW ID	6.03
Unique Reference Id	ID_211
Abbreviation	Regulation on working hours and conditions
Name	Existence of national/subnational policies/laws regulating working hours and conditions (Yes/No/Partly)
Description	<p>Existence of national/subnational policies/laws regulating working hours and conditions. This indicator is measured by the following questions: Has the government and its competent authorities regulated:</p> <ol style="list-style-type: none"> 1. the maximum number of working days allowed per week? 2. the premium for night work, for work on a weekly rest day, for overtime work (as a percentage of hourly pay)? 3. whether non-pregnant and non-nursing women can work the same night hours as men? 4. whether there are restrictions on night work, overtime or holiday work? 5. the average paid annual leave for workers with 1, 5 and 10 years of tenure? 6. whether regulations, laws or policies differ according to employment status?
Classification	Employment characteristics and working conditions
Dimension	Decent work
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Employment laws, policies and regulations
Data Elements	Not Applicable

NHW ID	6.04
Unique Reference Id	ID_212
Abbreviation	Regulation on minimum wage
Name	Existence of national/subnational policies/laws regulating minimum wage (Yes/No)
Description	Existence of national/subnational policies/laws regulating minimum wage. This indicator is measured by the following capability question: Are health workers eligible to receive a minimal wage according to national/subnational laws?
Classification	Employment characteristics and working conditions
Dimension	Decent work
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Employment laws, policies and regulations
Data Elements	Not applicable

NHW ID	6.05
Unique Reference Id	ID_213
Abbreviation	Regulation on social protection
Name	Existence of national/subnational policies/laws regulating social protection (Yes/No/Partly)
Description	Existence of national/subnational policies/laws regulating social protection. This indicator is measured by the following capability questions: Is there a national policy or program regarding: <ol style="list-style-type: none"> 1. maternity leave or pregnancy leave? 2. parental leave? 3. childcare support? 4. leave entitlements to care for sick family members? 5. leave entitlements for in-service training and continuing professional development?
Classification	Employment characteristics and working conditions
Dimension	Decent work
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Employment laws, policies and regulations • Social security records
Data Elements	Not applicable

NHW ID	6.06
Unique Reference Id	ID_214
Abbreviation	Health worker status in employment
Name	Percentage of active health workers who are self-employed
Description	Percentage of health workers who are self-employed, by occupation.
Classification	Employment characteristics and working conditions
Dimension	Labour market characteristics
Numerator	Number of active health workers who are self-employed, defined in headcounts
Denominator	Total number of active health workers defined in headcounts
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	<ul style="list-style-type: none"> • Facility surveys • Health worker registries • Public service human resources and payroll administrations • Labour force surveys
Data Elements	Employee (Unique identifier, Name), Employment (Category, Status, Job Category)

NHW ID	6.07
Unique Reference Id	ID_215
Abbreviation	Regulation on dual practice
Name	Existence of national/subnational policies/laws regulating dual practice (Yes/No)
Description	<p>Existence of national/subnational policies/laws regulating dual practice. This indicator is measured by the following capability questions:</p> <p>Is there a national policy or program regarding:</p> <ol style="list-style-type: none"> 1. health workers working in a public service provision role and a role external to public services, i.e. in a completely separate private environment? 2. health workers working in a public service provision role and a parallel role, i.e. in a private ward or clinic physically associated with a public facility but run as a separate business? 3. health workers working in a public service provision role and another role within the public service, i.e. where private services are offered inside a public facility but outside public service operating hours or space?
Classification	Employment characteristics and working conditions
Dimension	Labour market characteristics
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Employment laws, policies and regulations
Data Elements	Not applicable

NHW ID	6.08
Unique Reference Id	ID_216
Abbreviation	Regulation on compulsory service
Name	Existence of national/subnational policies/laws regulating compulsory service (Yes/No)
Description	Existence of national/subnational policies/laws regulating compulsory service. This indicator is measured by the following capability questions: Is there a national policy or program regarding: <ol style="list-style-type: none"> 1. condition of service/state employment programs for health workers? 2. compulsory service with incentives for health workers? 3. compulsory service without incentives for health workers?
Classification	Employment characteristics and working conditions
Dimension	Labour market characteristics
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Employment laws, policies and regulations
Data Elements	Not applicable

NHW ID	6.09
Unique Reference Id	ID_217
Abbreviation	Measures to prevent attacks on health workers
Name	Existence of national/subnational policies/laws for prevention of attacks on health workers (Yes/No/Partly)
Description	<p>This indicator is measured by capability questions on governmental measures to prevent incidents where staff are abused, threatened or assaulted in circumstances related to their work, including commuting to and from work, involving an explicit or implicit challenge to their safety, well-being or health. Has the government and its competent authorities:</p> <ol style="list-style-type: none"> 1. made the reduction/elimination of workplace violence in the health sector an essential part of national/regional/local policies and plans on occupational health and safety, human rights protection, economic sustainability, enterprise development and gender equality? 2. promoted the participation of all parties concerned with such policies and plans? 3. revised labour laws and other legislation and introduced special legislation where necessary, and ensured the enforcement of such legislation? 4. encouraged the inclusion of provisions to reduce and eliminate workplace violence in national, sectoral and workplace/enterprise agreements? 5. requested the collection of information and statistical data on the spread, causes and consequences of workplace violence?
Classification	Employment characteristics and working conditions
Dimension	Working conditions
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Government or legislative records
Data Elements	Not applicable

NHW ID	6.10
Unique Reference Id	ID_218
Abbreviation	Attacks on health-care system
Name	Number of attacks on health-care system in the past 12 months
Description	<p>Number of attacks on health-care system in the past 12 months, by primary object of attack:</p> <ul style="list-style-type: none"> • Facility • Health-care provider • Transport • Patient. <p>For health-care providers and patients, both components of physical and psychological attacks should be considered as follows:</p> <ul style="list-style-type: none"> • Physical attacks: intentional use of physical force that harms another person physically, sexually or psychologically • Psychological attacks: intentional use of mental force, including threat of physical force, that can result in harm to physical, mental, spiritual, moral or social development. This includes verbal abuse, bullying/mobbing, harassment, and threats.
Classification	Employment characteristics and working conditions
Dimension	Working conditions
Numerator	Not applicable
Denominator	Not applicable
Unit	Number
Unit Type	Number
WHO Recommended Sources	<ul style="list-style-type: none"> • ILO/ICN/WHO/PSI Workplace Violence in the Health Sector: Survey Questionnaire • Labour force surveys • Police records
Data Elements	Not applicable

NHW ID	7.01
Unique Reference Id	ID_219
Abbreviation	Total expenditure on health workforce
Name	Total expenditure on health workforce
Description	Total expenditure on health workforce.
Classification	Health workforce spending and remuneration
Dimension	Health workforce expenditure
Numerator	Not applicable
Denominator	Not applicable
Unit	Currency
Unit Type	Number
WHO Recommended Sources	<ul style="list-style-type: none"> • Income tax data • Ministry of Health records • Ministry of Finance records • National Statistics Office records
Data Elements	National Data (Total expenditure on health workforce education, Funding Source)

NHW ID	7.02
Unique Reference Id	ID_220
Abbreviation	Total official development assistance on health workforce
Name	Total incoming financial support received from official development assistance allocated to health workforce
Description	Total incoming financial support received from official development assistance, including scholarships and grants allocated to the health workforce, not only for wages but also salaries, training, and social protection.
Classification	Health workforce spending and remuneration
Dimension	Health workforce expenditure
Numerator	Not applicable
Denominator	Not applicable
Unit	Currency
Unit Type	Number
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health records • Ministry of Finance records • National Statistical Office records
Data Elements	National Data (Funding from development assistance)

NHW ID	7.03
Unique Reference Id	ID_221
Abbreviation	Total expenditure on compensation of health workers
Name	Total expenditure on compensation of health workers
Description	Total expenditure on compensation of health workers by health-care financing scheme.
Classification	Health workforce spending and remuneration
Dimension	Health workforce remuneration
Numerator	Not applicable
Denominator	Not applicable
Unit	Currency
Unit Type	Number
WHO Recommended Sources	<p>Wage and salaried workers (employees):</p> <ul style="list-style-type: none"> • Ministry of Health records • Ministry of Finance records • Payroll data • Income tax data • General labour force surveys <p>Specific health worker surveys Self-employed workers:</p> <ul style="list-style-type: none"> • Public/social health insurance • Income tax data • Specific health worker surveys
Data Elements	Employee (Unique identifier, Name), Employment (Category, Status, Employee Salary/Remuneration), National Data (Total employee compensation)

NHW ID	7.04
Unique Reference Id	ID_222
Abbreviation	Public expenditure on compensation of health workers
Name	Public expenditure on compensation of health workers
Description	Expenditure on compensation of health workers from the public sector disaggregated by wages and salaries of employees, social contributions, and all others costs related to employees
Classification	Health workforce spending and remuneration
Dimension	Health workforce remuneration
Numerator	Not applicable
Denominator	Not applicable
Unit	Currency
Unit Type	Number
WHO Recommended Sources	<p>Wage and salaried workers (employees):</p> <ul style="list-style-type: none"> • Ministry of Health records • Ministry of Finance records • Payroll data • Income tax data • General labour force surveys • Specific health worker surveys <p>Self-employed workers:</p> <ul style="list-style-type: none"> • Public/social health insurance • Income tax data • Specific health worker surveys
Data Elements	National Data (Total employee compensation funded from Public Expenditure)

NHW ID	7.05
Unique Reference Id	ID_223
Abbreviation	Entry-level wages and salaries
Name	Average entry-level wage and salary excluding social contributions
Description	Average wage or salary received by health workers when entering the active health labour market, excluding social contributions. Disaggregation by facility ownership is suggested to distinguish between public versus private wages and salaries.
Classification	Health workforce spending and remuneration
Dimension	Health workforce remuneration
Numerator	Not applicable
Denominator	Not applicable
Unit	Currency
Unit Type	Number
WHO Recommended Sources	<p>Wage and salaried workers (employees):</p> <ul style="list-style-type: none"> • Ministry of Health records • Ministry of Finance records • Payroll data • Income tax data • General labour force surveys • Specific health worker surveys <p>Self-employed workers:</p> <ul style="list-style-type: none"> • Public/social health insurance • Income tax data • Specific health worker surveys
Data Elements	National Data (Average entry-level wage)

NHW ID	7.06
Unique Reference Id	ID_224
Abbreviation	Policies on public sector wage ceilings
Name	Existence of national/subnational policies or standards on public sector wage ceilings (Yes/No)
Description	Existence of national/subnational policies or standards on public sector wage ceilings. Such policies would generally be applicable not only to the health sector, but to the whole public sector.
Classification	Health workforce spending and remuneration
Dimension	Health workforce remuneration
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	Employment laws, policies and standards
Data Elements	Not Applicable

NHW ID	7.07
Unique Reference Id	ID_225
Abbreviation	Gender wage gap
Name	Gender wage gap
Description	The gender wage gap is the unadjusted difference between median earnings of men and women relative to median earnings of men. Data refer to full-time employees and to the self-employed.
Classification	Health workforce spending and remuneration
Dimension	Decent work
Numerator	Difference between median earnings of men and women
Denominator	Median earnings of men
Unit	Currency
Unit Type	Number
WHO Recommended Sources	<p>Wage and salaried workers (employees):</p> <ul style="list-style-type: none"> • Ministry of Health records • Ministry of Finance records • Payroll data • Income tax data • General labour force surveys • Specific health worker surveys <p>Self-employed workers:</p> <ul style="list-style-type: none"> • Public/social health insurance • Income tax data • Specific health worker surveys
Data Elements	Employee (Unique identifier, Name, Gender), Employment (Category, Status, Salary/remuneration)

NHW ID	8.01
Unique Reference Id	ID_226
Abbreviation	Percentage of health workforce working in hospitals
Name	Percentage of health workforce working in hospitals
Description	Percentage of health workers working in hospitals among all health workers. Hospitals are defined as all types of hospitals, following the International Classification for Health Accounts 2011 (including HP1.1 General hospitals, HP1.2 Mental health hospitals, and HP1.3 Other specialized hospitals).
Classification	Skill-mix composition for models of care
Dimension	Sectoral workforce composition
Numerator	Total number of active health workers working in hospitals, defined in headcounts
Denominator	Total number of active health workers, defined in headcounts
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	<ul style="list-style-type: none"> • National labour force surveys • National health workforce registries or databases
Data Elements	Employee (Unique identifier, Name), Employment (Category, Status), Facility (Type)

NHW ID	8.02
Unique Reference Id	ID_227
Abbreviation	Percentage of health workforce working in residential long-term care facilities
Name	Percentage of health workforce working in residential long-term care facilities
Description	Percentage of health workers, excluding social care workers, working in residential long-term care among all health workers. A residential long-term care facility is any type of nursing and residential care facility defined in the HP2.1 and HP2.9 categories of the International Classification for Health Accounts 2011.
Classification	Skill-mix composition for models of care
Dimension	Sectoral workforce composition
Numerator	Total number of active health workers working in residential long-term care facilities, defined in headcounts
Denominator	Total number of active health workers, defined in headcounts
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	<ul style="list-style-type: none"> • National labour force surveys • National health workforce registries or databases
Data Elements	Employee (Unique identifier, Name), Employment (Category, Status), Facility (Type)

NHW ID		8.03
Unique Reference Id	ID_228	
Abbreviation	Percentage of health workforce working in ambulatory health care	
Name	Percentage of health workforce working in ambulatory health care (primary health care level facilities)	
Description	Percentage of health workforce working in ambulatory health care presumed to be primary health care level facilities. Ambulatory care provision refers to individuals and organizations that deliver personal healthcare services on an outpatient basis. This includes diagnosis, observation, consultation, treatment, intervention, rehabilitation services, and advanced medical technology and procedures even when provided outside of hospitals.	
Classification	Skill-mix composition for models of care	
Dimension	Sectoral workforce composition	
Numerator	Total number of active health workers working in ambulatory health care presumed to be primary health care level facilities, defined in headcounts	
Denominator	Total number of active health workers, defined in headcounts	
Unit	Per 100 active health workers	
Unit Type	Percentage	
WHO Recommended Sources	<ul style="list-style-type: none"> • National labour force surveys • National health workforce registries or databases 	
Data Elements	Employee (Unique identifier, Name), Employment (Category, Status, Role), National Data (Total Population)	

NHW ID	8.04
Unique Reference Id	ID_229
Abbreviation	Specialist surgical workforce
Name	Density of specialist surgical workers per 100 000 population
Description	Density of specialist surgical workers, classified in ISCO-08 with code 2212, per 100 000 population. Specialist surgical workers are surgeons, obstetricians and anesthesiologists.
Classification	Skill-mix composition for models of care
Dimension	Skill distribution
Numerator	Total number of specialist surgical workers, defined in headcounts
Denominator	Total population
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	<ul style="list-style-type: none"> • National labour force surveys • National health workforce registries or databases • National medical specialist registries or databases • Population census data
Data Elements	Employee (Unique identifier, Name), Employment (Category, Status, Role), National Data (Total Population)

NHW ID	8.05
Unique Reference Id	ID_230
Abbreviation	Family medicine practitioners
Name	Density of family medicine practitioners per 100 000 population
Description	Density of family medicine practitioners per 100 000 population. Family medicine practitioners are part of the generalist medical practitioners classified in ISCO-08 with code 2212. They are referred to as general practitioners in some countries, and as a specialization in others. They should provide person-centred, continuous and comprehensive medical care to individuals and families in their communities. This group does not include resident medical officers, medical interns or other generalist medical practitioners not in general practice activities.
Classification	Skill-mix composition for models of care
Dimension	Skill distribution
Numerator	Total number of family medicine practitioners, defined in headcounts
Denominator	Total population
Unit	Per 100 active health workers
Unit Type	Percentage
WHO Recommended Sources	<ul style="list-style-type: none"> • National labour force surveys • National health workforce registries or databases • National medical specialist registries or databases • Population census data
Data Elements	Not applicable

NHW ID	8.06
Unique Reference Id	ID_231
Abbreviation	Existence of advanced nursing roles
Name	Existence of advanced nursing roles (Yes/No/Partly)
Description	<p>This indicator is measured (or supported) by the following (capability) questions:</p> <ol style="list-style-type: none"> 1. Is there a commonly accepted definition of ‘nurse practitioner’? 2. Is there another commonly accepted definition of other types of nurses working in advanced roles? 3. Are there formal requirements to become a nurse practitioner or other type of advanced practice nurse in terms of specified training, qualifications, experience, certification/registration, etc.? 4. Are there ad-hoc/local methods for nurses being trained “on the job” to acquire specific skills that could lead to their employment in advanced roles?
Classification	Skill-mix composition for models of care
Dimension	Skill distribution
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Survey among country experts or informants • Policy and strategic documents of governments and competent authorities
Data Elements	Not applicable

NHW ID	8.07
Unique Reference Id	ID_232
Abbreviation	Availability of human resources to implement the International Health Regulations
Name	Availability of human resources to implement International Health Regulation core capacity requirements (None/ Limited/ Developed/ Demonstrated/ Sustainable)
Description	<p>This indicator is measured (or supported) by the following (capability) items:</p> <ul style="list-style-type: none"> • No multidisciplinary human resource capacity available to implement IHR core capacities - No capacity • Multidisciplinary human resource capacity (epidemiologists, veterinarians, clinicians and laboratory specialists or technicians) available at national level - Limited capacity • Multidisciplinary human resource capacity available at national and intermediate level - Developed capacity • Multidisciplinary human resource capacity available as required at relevant levels of public health system (e.g. epidemiologist at national and intermediate level and assistant epidemiologist (or short course trained epidemiologist) at local level available) - Demonstrated capacity • Capacity to send and receive multidisciplinary personnel within country (shifting resources) and internationally - Sustainable capacity
Classification	Skill-mix composition for models of care
Dimension	International Health Regulation capacity
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health • Public health institutions
Data Elements	Not applicable

NHW ID	8.08
Unique Reference Id	ID_233
Abbreviation	Applied epidemiology training program
Name	Existence of an applied epidemiology training program (None/ Limited/ Developed/ Demonstrated/ Sustainable)
Description	<p>This indicator is measured (or supported) by the following (capability) items:</p> <ul style="list-style-type: none"> • No Field Epidemiology Training Program (FETP) or applied epidemiology training program established - No capacity • No FETP or applied epidemiology training program is established within the country, but staff participate in a program hosted in another country through an existing agreement (at basic, intermediate and/or advanced level) - Limited capacity • One level (basic, intermediate, advanced) of FETP or comparable applied epidemiology training program in place in the country or in another country through an existing agreement - Developed capacity • Two levels (basic, intermediate and/or advanced) of FETP or comparable applied epidemiology training program(s) in place in the country or in another country through an existing agreement - Demonstrated capacity • Three levels (basic, intermediate, advanced) of FETP or comparable applied epidemiology training program(s) in place in the country or in another country through an existing agreement, with sustainable national funding - Sustainable capacity
Classification	Skill-mix composition for models of care
Dimension	International Health Regulation capacity
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health • Public health institutions • Educational and training institutions
Data Elements	Not applicable

NHW ID	9.01
Unique Reference Id	ID_234
Abbreviation	Mechanisms to coordinate an intersectoral health workforce agenda
Name	Existence of institutional mechanisms or bodies to coordinate an intersectoral health workforce agenda (Yes/No/Partly)
Description	<p>Mechanisms may be a national coordination committee involving, for example, interministerial Sustainable Development Goals committees, sector skills councils or similar high-level bodies with a leadership function for coordinating, developing and monitoring policies and plans on HWF, and negotiating intersectoral relationships with other line ministries, government agencies and other stakeholders.</p> <p>The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Is there a coordinating mechanism or body in place for this task? 2. Are various stakeholders (ministries, public, private, nongovernmental and, international bodies) involved in the coordination process? 3. Has an agenda been formulated? 4. Has the agenda been approved at interministerial level (ministries of Education, Finance, Public Service, Health)?
Classification	Governance and health workforce policies
Dimension	Governance
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health • Subnational level ministries of health • Institutions or units responsible for policies on health workforce • Relevant ministries according to the national government structure and constitutional arrangements/ level of devolution
Data Elements	Not applicable

NHW ID	9.02
Unique Reference Id	ID_235
Abbreviation	Central health workforce unit
Name	Existence of a health workforce unit in the Ministry of Health responsible for developing and monitoring policies and plans on health workforce (Yes/No/Partly)
Description	<p>The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Are there functions to monitor health workforce policies and plans as part of the monitoring of health services development? 2. Are there institutional mechanisms in place to coordinate an intersectoral health workforce agenda, including negotiations and intersectoral relationships with relevant other line ministries, government agencies and stakeholders?
Classification	Governance and health workforce policies
Dimension	Governance
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health • Subnational ministries of health • Institutions or units responsible for policies on health workforce • Relevant ministries according to the national government structure and constitutional arrangements/ level of devolution
Data Elements	Not applicable

NHW ID	9.03
Unique Reference Id	ID_236
Abbreviation	Health workforce planning processes
Name	Existence of mechanisms and models for health workforce planning (Yes/No/Partly)
Description	<p>The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Are clear and explicit health workforce planning objectives set up in the national health policy? 2. Is there a coordinated communication and information flow among national-level intersectoral stakeholders? 3. Is there a dedicated and established Human Resources for Health Planning Committee, a designated entity or a specific group at the national level responsible for the HWF? 4. Is there a methodology established for HWF planning? 5. Are complete data with full coverage of the population available in a sustainable manner to provide quantitative assessment required for HWF planning? 6. Are policy actions based on the recommendations of the HWF Planning Committee implemented?
Classification	Governance and health workforce policies
Dimension	Health workforce policies
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health • Regional ministries of health • Institutions or units responsible for policies on health workforce
Data Elements	Not applicable

NHW ID	9.04
Unique Reference Id	ID_237
Abbreviation	Education plans aligned with national health plan
Name	Existence of national education plans for the health workforce, aligned with the national health plan and the national health workforce strategy/plan (Yes/No/Partly)
Description	<p>The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Do education plans for the HWF match health worker competencies with population, health systems, and health labour market needs? 2. Do plans take into account efforts to scale up transformative education and training? 3. Do recognized institutes such as national public health institutes, universities and collaborating centres offer training courses on the implementation and monitoring of Health in All Policies and related concepts? 4. Are strategic steps taken when considering and taking into account the workforce market needs and absorptive capacities for the education plan development?
Classification	Governance and health workforce policies
Dimension	Health workforce policies
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministries of Health, Education and Labour • Regional ministries of health and education • Institutions or units responsible for policies on health workforce • Educational institutions
Data Elements	Not applicable

NHW ID	9.05
Unique Reference Id	ID_238
Abbreviation	Institutional models for assessing health care staffing needs
Name	Existence of institutional models for assessing and monitoring staffing needs for health service delivery (Yes/No/Partly)
Description	The following questions should guide a response to this indicator: <ol style="list-style-type: none"> 1. Is there a mechanism and/or responsible body in charge of determining the number of health workers of a particular occupation required to effectively and safely deliver health services in health facilities? 2. Is there a mechanism to assess the workload of health workers in health facilities?
Classification	Governance and health workforce policies
Dimension	Health workforce policies
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health • Regional ministries of health • Institutions or units responsible for policies on health workforce • Health facilities
Data Elements	Not applicable

NHW ID	10.01
Unique Reference Id	ID_239
Abbreviation	HRHIS for reporting on International Health Regulations
Name	Ability of HRHIS to generate information to report on International Health Regulations (Yes/No/Partly)
Description	This indicator will help assess whether the HRHIS has the capacity to report on IHR and submit core indicators to the WHO Secretariat annually, for example on indicator 08_08.
Classification	Health workforce information systems
Dimension	HRHIS for international reporting
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health and regional ministries of health • Professional chambers • Institutions or units responsible for monitoring, or for policies on the health workforce • Ministry of Labour • National Statistical Office
Data Elements	Not applicable

NHW ID	10.02
Unique Reference Id	ID_240
Abbreviation	HRHIS for WHO Code of Practice reporting
Name	Ability of HRHIS to generate information to report on implementation of the WHO Global Code of Practice on the International Recruitment of Health Personnel (Yes/No/Partly)
Description	This indicator will help assess whether the HRHIS has the capacity to report on the WHO Global Code of Practice on the International Recruitment of Health Personnel, and submit core indicators to the WHO Secretariat annually, for example on indicator 05_03.
Classification	Health workforce information systems
Dimension	HRHIS for international reporting
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • National Focal Point for WHO Code of Practice • Institutions or units responsible for monitoring, or for policies on health workforce • Ministry of Labour • National Statistical Office
Data Elements	Not applicable

NHW ID	10.03
Unique Reference Id	ID_241
Abbreviation	HRHIS for reporting on skill attendance at birth requirements
Name	Ability of HRHIS to generate information for reporting on skilled attendance at birth requirements (Yes/No/Partly)
Description	This indicator is related to the collection of data for health workforce stock indicators in Module 01 – Active health workforce stock.
Classification	Health workforce information systems
Dimension	HRHIS for international reporting
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health and regional ministries of health • Professional chambers • Institutions or units responsible for monitoring, or for policies on health workforce • Ministry of Labour • National Statistical Office
Data Elements	Not applicable

NHW ID	10.04
Unique Reference Id	ID_242
Abbreviation	HRHIS for reporting on outputs from education and training institutions
Name	Ability of HRHIS to generate information for reporting on outputs from education and training institutions (Yes/No/Partly)
Description	<p>This indicator will help assess whether the HRHIS has the capacity to report on outputs from education and training institutions, and submit core indicators to the WHO Secretariat annually, for example on indicator 02_07. The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Is there a master list of accredited education and training institutions at national level? 2. If yes, is this master list geocoded? 3. Is this master list updated on a regular basis? 4. Do education and training institutions record the number of graduates by health workforce education and training, and by sex? 5. Is information on the number of graduates provided to the relevant national body on an annual basis?
Classification	Health workforce information systems
Dimension	HRHIS to track HWF
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health and regional ministries of health • Professional chambers • Institutions or units responsible for monitoring, or for policies on health workforce • Ministry of Labour • National Statistical Office
Data Elements	Not applicable

NHW ID	10.05
Unique Reference Id	ID_243
Abbreviation	HRHIS for tracking the number of entrants to the labour market
Name	Ability of HRHIS to generate information to track entrants to the labour market (Yes/No/Partly)
Description	<p>This indicator is related to the collection of flow data for labour market entry indicators in Module 05 – Health Labour Market Flows. This indicator supports the GSHRH Global Milestone 4.1:</p> <p>By 2020, all countries will have made progress to establish registries to track health workforce stock, education, distribution, flows, demand, capacity and remuneration. The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Is there a system that provides information about the health workforce? 2. If yes, does this system provide information on the inflows of the health labour market?
Classification	Health workforce information systems
Dimension	HRHIS to track HWF
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health and subnational ministries of health • Institutions or units responsible for monitoring, or for policies on health workforce • Institutions collecting data on health workforce
Data Elements	Not applicable

NHW ID	10.06
Unique Reference Id	ID_244
Abbreviation	HRHIS for tracking the number of active stock on the labour market
Name	Ability of HRHIS to generate information to track active stock on the labour market (Yes/No/Partly)
Description	<p>This indicator is related to the collection of stock data for labour market entry indicators in Module 01 - Active Health Workforce Stock.</p> <p>This indicator supports the GSHRH Global Milestone 4.1: By 2020, all countries will have made progress to establish registries to track health workforce stock, education, distribution, flows, demand, capacity and remuneration.</p> <p>The following questions should guide a response to this indicator: 1. Is there a health workforce information system that provides information about the health workforce 2. If yes, does this system provide information on the stock of the health labour market?</p>
Classification	Health workforce information systems
Dimension	HRHIS to track HWF
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health and subnational ministries of health • Institutions or units responsible for monitoring, or for policies on health workforce • Institutions collecting data on health workforce
Data Elements	Not applicable

NHW ID	10.07
Unique Reference Id	ID_245
Abbreviation	HRHIS for tracking the number of exits from the labour market
Name	Ability of HRHIS to generate information to track exits from the labour market (Yes/No/Partly)
Description	<p>This indicator is related to the collection of flow data for labour market entry indicators in Module 05 – Health Labour Market Flows.</p> <p>This indicator supports the GSHRH Global Milestone 4.1: By 2020, all countries will have made progress to establish registries to track health workforce stock, education, distribution, flows, demand, capacity and remuneration. The following questions should guide a response to this indicator:</p> <ol style="list-style-type: none"> 1. Is there a health workforce information system that provides information about the health workforce? 2. If yes, does this system provide information on the inflows of the health labour market?
Classification	Health workforce information systems
Dimension	HRHIS to track HWF
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health and subnational ministries of health • Institutions or units responsible for monitoring, or for policies on health workforce • Institutions collecting data on health workforce
Data Elements	Not applicable

NHW ID	10.08
Unique Reference Id	ID_246
Abbreviation	HRHIS for producing the geocoded location of health facilities
Name	Ability of HRHIS to generate geocoded information on the location of health facilities (Yes/No/Partly)
Description	This indicator is related to the collection of distribution data for labour market stock indicators in Module 01 – Active Health Workforce Stock. This indicator supports the GSHRH Global Milestone 4.1: By 2020, all countries will have made progress to establish registries to track health workforce stock, education, distribution, flows, demand, capacity and remuneration. It also supports the achievement of health emergency preparedness under SDG 3.D.1. The following question should guide a response to this indicator: Is there a health workforce information system that provides information about the health workforce with geocoded information on its place of activity?
Classification	Health workforce information systems
Dimension	HRHIS to track HWF
Numerator	Not applicable
Denominator	Not applicable
Unit	Not applicable
Unit Type	Not applicable
WHO Recommended Sources	<ul style="list-style-type: none"> • Ministry of Health and subnational ministries of health • Institutions or units responsible for monitoring, or for policies on health workforce • Institutions collecting data on health workforce
Data Elements	Not applicable

8. METADATA FOR ILO INDICATORS

Indicator Id	ILO_001
Unique Reference Id	ID_160
Name	Number of Overall injuries
Description	An occupational injury is defined as any personal injury, disease or death resulting from an occupational accident; an occupational injury is therefore distinct from an occupational disease, A case of occupational injury is the case of one worker incurring an occupational injury as a result of one occupational accident.
Type	Injuries and Occupational Diseases
Numerator	Total number of personal with injuries, disease or death resulting from an occupational accident
Denominator	NA
Unit	Number
Unit Type	Number
Data Elements	Employee (Demographics, Date of death), Diagnosis (Code, date)

Indicator Id	ILO_002
Unique Reference Id	ID_161
Name	Number of Fatal Injuries
Description	An occupational injury could be fatal (as a result of occupational accidents and where death occurred within one year of the day of the accident). Number of injuries that led to deaths. The indicator represents the death toll whether occurring as a result of injuries or diseases regardless of the time interval between the time of injury and the time death
Type	Injuries and Occupational Diseases
Numerator	Total number of injuries which led to death
Denominator	NA
Unit	Number
Unit Type	Number
Data Elements	Employee (Demographics, Date of death, cause of death), Diagnosis (Code, date)

Indicator Id	ILO_003
Unique Reference Id	ID_162
Name	Number of Non-Fatal/Major/Serious Injuries
Description	Includes slips, trips and falls and fall from heights
Type	Injuries and Occupational Diseases
Numerator	Total number of injuries which are considered as non-fatal, major or serious injuries
Denominator	NA
Unit	Number
Unit Type	Number
Data Elements	Employee (Demographics), Diagnosis (Code, date)

Indicator Id	ILO_004
Unique Reference Id	ID_163
Name	Number of Occupational Diseases
Description	Disease contracted as a result of an exposure over a period of time to risk factors arising from work activity. Types of OD: Noise-Induced Deafness, work-related musculoskeletal diseases, occupational skin diseases, compressed air illness, others
Type	Injuries and Occupational Diseases
Numerator	Total number of personal diagnosed with diseases as a result of exposure over a period of time to risk factors arising from work activity
Denominator	NA
Unit	Number
Unit Type	Number
Data Elements	Employee (Demographics), Diagnosis (Code, date)

Indicator Id	ILO_005
Unique Reference Id	ID_164
Name	Overall Injury Rate
Description	Total number of fatal and non-fatal workplace injuries
Type	Key ILO rate indicators
Numerator	Total number of fatal and non-fatal workplace injuries multiplied by 100000
Denominator	Number of Employed Persons
Unit	Per 100,000 employed persons
Unit Type	Rate
Data Elements	Employee (Demographics), Diagnosis (Code, date), Count(Employee)

Indicator Id	ILO_006
Unique Reference Id	ID_165
Name	Fatal Injuries Rate
Description	Total number of fatal workplace injuries
Type	Key ILO rate indicators
Numerator	Total number of fatal workplace injuries multiplied by 100000
Denominator	Number of Employed Persons
Unit	Per 100,000 employed persons
Unit Type	Rate
Data Elements	Employee (Demographics, cause of death), Diagnosis (Code, date), Count(Employee)

Indicator Id	ILO_007
Unique Reference Id	ID_166
Name	Major Injuries Rate
Description	Total number of major workplace injuries
Type	Key ILO rate indicators
Numerator	Total number of major workplace injuries multiplied by 100000
Denominator	Number of Employed Persons
Unit	Per 100,000 employed persons
Unit Type	Rate
Data Elements	Employee (Demographics), Diagnosis (Code, date), Count(Employee)

Indicator Id	ILO_008
Unique Reference Id	ID_167
Name	Minor Injuries Rate
Description	Total number of minor workplace injuries
Type	Key ILO rate indicators
Numerator	Total number of minor workplace injuries multiplied by 100000
Denominator	Number of Employed Persons
Unit	Per 100,000 employed persons
Unit Type	Rate
Data Elements	Employee (Demographics), Diagnosis (Code, date), Count(Employee)

Indicator Id	ILO_009
Unique Reference Id	ID_168
Name	Occupational Disease Incidence Rate
Description	Total number of Occupational Disease Incidences per 100000 employed persons
Type	Key ILO rate indicators
Numerator	Total number of Occupational Disease cases multiplied by 100000
Denominator	Number of Employed Persons
Unit	Per 100,000 employed persons
Unit Type	Rate
Data Elements	Employee (Demographics), Diagnosis (Code, date), Count(Employee)

9. METADATA FOR QUALITY INDICATORS

Indicator Id	QI001
Unique Reference Id	ID_247
Name	Count of procedures involving wrong patient or wrong body parts
Domain	Patient Safety
Sub – domain	Adverse Events (AE) and Sentinel events
Definition	Count of sentinel events involving wrong patient or wrong body part in a set period
Calculation Methodology	<p>Count of sentinel events due to wrong patient or wrong body part in a set period For the purpose of calculating this indicator, we are using the following abstract from HAAD standards on reporting sentinel events: Sentinel Event: Any unanticipated adverse event in a healthcare setting resulting in death or serious physical or psychological injury to a patient or patients, not arising from the natural course of the patient’s illness, including as defined by already published HAAD standards as:</p> <ol style="list-style-type: none"> 1. A patient fall that results in death or major permanent loss of function as a direct result of the injuries sustained in the fall 2. Any intra-partum (related to the birth process) maternal death 3. Any peri-natal death unrelated to a congenital condition in an infant having a birth weight greater than 2,000 grams 4. Discharge of an infant to the wrong family 5. Haemolytic transfusion reaction involving administration of blood or blood products having major blood group incompatibilities 6. Prolonged fluoroscopy with cumulative dose >1500 rads to a single field or any delivery of radiotherapy to the wrong body region or >25% above the planned radiotherapy dose 7. Severe neonatal hyperbilirubinemia (bilirubin >30 milligrams/decil) 8. Suicide of any patient or within 72 hours of inpatient discharge 9. Surgery on the wrong patient or wrong body part (all events of surgery on the wrong patient or wrong body part are reviewable under the policy, regardless of the magnitude of the procedure or the outcome.) 10. Unanticipated death of a full-term infant 11. Unintended retention of a foreign object in a patient after surgery or other procedure 12. Rape or physical assault of a patient
Unit	Count
Unit type	Number
DOH Current sources	Hospital internal adverse event and incident reporting system

Indicator Id	QI002
Unique Reference Id	ID_248
Name	Count of incidents where Haemolytic blood transfusion reactions have occurred due to ABO incompatibility
Domain	Patient Safety
Sub – domain	Adverse Events (AE) and Sentinel events
Definition	Count of Haemolytic blood transfusion reactions that resulted from ABO incompatibility in a set period
Calculation Methodology	<p>Count of number of sentinel events where Haemolytic blood transfusion reaction happened due to ABO incompatibility in a set period</p> <p>Haemolytic blood transfusion reactions ICD-10 CM Codes; T80.30XA, T80.30XD, T80.30XS, T80.310A, T80.310D, T80.310S, T80.311A, T80.311D, T80.311S, T80.319A, T80.319D, T80.319S, T80.39XA, T80.39XD, T80.39XS</p> <p>For calculating this indicator, we are using the following abstract from HAAD standards on reporting sentinel events:</p> <p>Sentinel Event: Any unanticipated adverse event in a healthcare setting resulting in death or serious physical or psychological injury to a patient or patients, not arising from the natural course of the patient's illness, including as defined by already published HAAD standards as:</p> <ol style="list-style-type: none"> 1. A patient fall that results in death or major permanent loss of function as a direct result of the injuries sustained in the fall 2. Any intra-partum (related to the birth process) maternal death 3. Any peri-natal death unrelated to a congenital condition in an infant having a birth weight greater than 2,000 grams 4. Discharge of an infant to the wrong family 5. Haemolytic transfusion reaction involving administration of blood or blood products having major blood group incompatibilities 6. Prolonged fluoroscopy with cumulative dose >1500 rads to a single field or any delivery of radiotherapy to the wrong body region or >25% above the planned radiotherapy dose 7. Severe neonatal hyperbilirubinemia (bilirubin >30 milligrams/decil.) 8. Suicide of any patient or within 72 hours of inpatient discharge 9. Surgery on the wrong patient or wrong body part (all events of surgery on the wrong patient or wrong body part are reviewable under the policy, regardless of the magnitude of the procedure or the outcome.) 10. Unanticipated death of a full-term infant 11. Unintended retention of a foreign object in a patient after surgery or other procedure 12. Rape or physical assault of a patient
Unit	Count
Unit type	Number
DOH Current sources	Hospital internal adverse event and incident reporting system

Indicator Id	QI003
Unique Reference Id	ID_249
Name	Rate of selected reported Adverse Incidents (level 1-3 as in the attached guidance) out of all persons bed days/1000
Domain	Patient Safety
Sub – domain	Adverse Events (AE) and Sentinel events
Definition	Rate of low rank reported Adverse Incidents (Level 1-3) per all persons bed days in a set period/1000
Calculation Methodology	<p>Numerator: number of all reported medical or nonmedical Adverse Incidents (level 1-3) in a set period</p> <p>An adverse event as an injury related to medical or nonmedical management, in contrast to complications of disease. Medical management includes all aspects of care, including diagnosis and treatment, failure to diagnose or treat, and the systems and equipment used to deliver care. Some definition to be used in reporting on this standard are:</p> <p>Adverse Incidents: An incident can be at the following four levels:</p> <ol style="list-style-type: none"> 1. Level One: A reportable circumstance is a situation in which there was significant potential for harm, but no incident occurred (i.e. a busy intensive care unit remaining grossly understaffed for an entire shift or taking a defibrillator to an emergency and discovery it does not work although it was not needed, lacking roof) 2. Level Two: A near miss is an incident that did not reach the patient (e.g., a unit of blood being connected to the wrong patient's intravenous line, but the error was detected before the infusion started). 3. Level Three: A no harm incident is one in which an event reached a patient, but no discernable harm resulted (e.g., if the unit of blood was infused, but was not incompatible) 4. Level Four: A harmful incident (adverse event) is an incident that results in harm to a patient (e.g., the wrong unit of blood was infused, and the patient died from a Haemolytic reaction). Harm implies impairment of structure or function of the body and/or any deleterious effect arising there from, including disease, injury, suffering, disability and death, and may be physical, social or psychological. <p>Denominator: number of all (Inpatient and Day Procedure) Patients (only DRG Patients) in that set period</p> <p>Calculation: Formula is calculated as rate per 1000 bed-days. Denominator should have calculated using only inpatient & day surgery</p>
Unit	Per 1,000 bed days
Unit type	Rate
DOH Current sources	Hospital internal adverse event and incident reporting system

Indicator Id	QI004
Unique Reference Id	ID_250
Name	Rate of Surgical Site Infection (SSI) for selected procedures
Domain	Patient Safety
Sub – domain	Complication
Definition	Rate of number of patients having SSI within 30 days of Abdominal Hysterectomy and within 90 days of Hip or Knee Prosthesis per 100 operative procedures
Calculation Methodology	<p>Numerator: Number of all SSI identified within 30 days for all patients undergoing Abdominal Hysterectomy (HYST) AND within 90 days for all patients undergoing Hip (HPRO) and Knee Prosthesis (KPRO) procedures</p>

Note:

- 30-90 days is calculated following original intervention (day 1 is day of procedure)
- SSI included in the numerator is based on the date of procedure, not the date of event

Numerator Inclusions and Exclusions:

- SSI identified during active surveillance for all patients (inpatients and outpatients) undergoing selected surgical for:
 - o Abdominal Hysterectomy within 30 days and
 - o Hip and Knee Prosthesis within 90 days
- Includes SSIs identified on admission, readmission & via post-discharge surveillance within 30-90 days of the original intervention (day 1 is day of procedure) (Note: Date of event (infection date) must be within 30 days or 90 days of the date of procedure, depending on the operative procedure category)
- Infections reported for procedures done at the hospital by the external physicians.
- SSI could be presented as:
 - o **Superficial incisional SSI, affecting the skin and subcutaneous tissue.**

Infections in this case may be indicated by localized (Celsian) signs such as redness, pain, heat or swelling at the site of the incision or by the drainage of pus.

 - Must meet the following criteria:
 - a. Infection occurs within 30 days after any NHSN operative procedure (where day 1 = the procedure date), including those coded as 'OTH'
 - b. And involves only skin and subcutaneous tissue of the incision
 - c. And patient has at least one of the followings:
 - a) Purulent drainage from the superficial incision.
 - b) Organisms isolated from an aseptically-obtained culture of fluid or tissue from the superficial incision or subcutaneous tissue.
 - c) Superficial incision that is deliberately opened by a surgeon, attending physician or other designee and is culture positive or not cultured and patient has at least one of the following signs or symptoms: pain or tenderness; localized swelling; redness; or heat. A culture negative finding does not meet this criterion.
 - d) Diagnosis of a superficial incisional SSI by the surgeon or attending physician** or other designee.
 - Comments : There are two specific types of superficial incisional SSIs:
 - a. Superficial Incisional Primary (SIP) – a superficial incisional SSI that is identified in the primary incision in a patient that has had an operation with one or more incisions (e.g., C-section incision or chest incision for CBGB).
 - b. Superficial Incisional Secondary (SIS) – a superficial incisional SSI that is identified in the secondary incision in a patient that has had an operation with more than one incision (e.g., donor site incision for CBGB).

REPORTING INSTRUCTIONS for Superficial SSI

The following do not qualify as criteria for meeting the definition of superficial SSI:

- a. A stitch abscess alone (minimal inflammation and discharge confined to the points of suture penetration)
- b. A localized stab wound or pin site infection. While it would be considered either a skin (SKIN) or soft tissue (ST) infection, depending on its depth, it is not reportable under this guidance. Note: a laparoscopic trocar site for an NHSN operative procedure is not considered a stab wound.
- c. Diagnosis/treatment of "cellulitis" (redness/warmth/swelling), by itself, does not meet criterion for superficial incisional SSI. An incision that is draining or culture (+) is not considered a cellulitis.
- d. Circumcision is not an NHSN operative procedure. An infected circumcision site in newborns is classified as CIRC and is not reportable under this module.
- e. An infected burn wound is classified as BURN and is not reportable under this module.

o Deep incisional SSI:

- Must meet the following criteria:
 1. Infection occurs within 30 or 90 days after the operative procedure (where day 1 = the procedure date).
 2. And involves deep soft tissues of the incision (e.g., fascial and muscle layers)
 3. And patient has at least one of the following:
 - a. Purulent drainage from the deep incision.
 - b. A deep incision that spontaneously dehisces or is deliberately opened or aspirated by a surgeon, attending physician or other designee and is culture-positive or not cultured and patient has at least one of the following signs or symptoms: fever (>38°C); localized pain or tenderness. A culture-negative finding does not meet this criterion.
 - c. An abscess or other evidence of infection involving the deep incision that is detected on gross anatomical, or by histopathological examination or imaging test.
- Comments: There are two specific types of deep incisional SSIs:
 - a. Deep Incisional Primary (DIP) – a deep incisional SSI that is identified in a primary incision in a patient that has had an operation with one or more incisions (e.g., C-section incision or chest incision for CBGB)
 - b. Deep Incisional Secondary (DIS) – a deep incisional SSI that is identified in the secondary incision in a patient that has had an operation with more than one incision (e.g., donor site incision for CBGB)

o Organ/Spaces SSI (for the purposes of first phase quality monitoring by HAAD; Currently, this type of infection is not included)

- Must meet the following criteria:
 1. Infection occurs within 30 or 90 days after the operative procedure (where day 1 = the procedure date).
 2. And infection involves any part of the body fascial/muscle layers, excluding the skin incision deeper than the fascia, or muscle layers, that is opened or manipulated during the operative procedure

Indicator Id **QI004**

3. And patient has at least one of the following:
 - a. Purulent drainage from a drain that is placed into the organ/ space (e.g., closed suction drainage system, open drain, T-tube drain, CT guided drainage)
 - b. Organisms isolated from an aseptically-obtained culture of fluid or tissue in the organ/space
 - c. An abscess or other evidence of infection involving the organ/ space that is detected on gross anatomical, during invasive procedure, or by histopathological examination or imaging test
4. And meets at least one criterion for a specific organ/space infection site as defined by CDC in their guidance from January 2015 Available on: <http://www.cdc.gov/nhsn/PDFs/pscManual/9pscSSIcurrent.pdf> , page 9-17

Denominator: Total number of all patients undergoing Abdominal Hysterectomy, Hip Prosthesis and Knee Prosthesis in that facility in the specified related set period (see additional detail for numerator & denominator)

Denominator Inclusions:

- All surgical patients (inpatients and outpatients) for whom operative procedure was performed including following ICD-10-CM Codes and/or CPT codes: **(Primary and Secondary Diagnosis Codes);**
 - o Abdominal Hysterectomy CPT Codes (58150, 58152, 58180, 58200, 58210, 58541, 58542, 58543, 58544 58548, 58570, 58571, 58572, 58573, 58951, 58953 58954, 58956))
 - o Knee Prosthesis CPT Codes (27438, 27440, 27441, 27442, 27443, 27445, 27446, 27447, 27486, 27487)
 - o Hip Prosthesis CPT Codes (27125, 27130, 27132, 27134, 27137, 27138, 27236, 27299)
- **Definition of an operative procedure:** An operative procedure is a procedure
 - o That is stated below
 - o Takes place during an operation where at least one incision (including laparoscopic approach) is made through the skin or mucous membrane, or reoperation via an incision that was left open during a prior operative procedure and
 - o Takes place in an operating room which may include an operating room, C-section room, interventional radiology room, or a cardiac catheterization lab.
- **Settings:** Reporting of surgical patients will occur in any inpatient and/or outpatient setting where the selected operative procedure(s) are performed. An SSI will be associated with a particular operative procedure and the facility in which that procedure was performed.

Denominator Exclusions:

- Procedures during which the patient expired in the OR
- Patients with an ASA score of 6
- Exclude stitch abscess, cellulitis (redness/warmth/swelling), localized stab wound, circumcision, episiotomy or infected burn wounds

Calculation: [Numerator] / [Denominator] x 100

Unit	Per 100 surgical procedures
Unit type	Percentage
DOH Current sources	<ul style="list-style-type: none"> • Captured by infection control team/ nursing as part of regular surveillance activities and infection control documentation. • Patient medical record

Indicator Id	QI005
Unique Reference Id	ID_251
Name	Rate of Perioperative Pulmonary Embolism or Deep Vein Thrombosis
Domain	Patient Safety
Sub – domain	Complication
Definition	Perioperative pulmonary embolism or deep vein thrombosis (secondary diagnosis) per 1,000 surgical discharges for patients ages 16 years and older, post-operative period to be calculated limited to 30 days after surgery
Calculation Methodology	<p>Numerator: All adults (16 years of age and older) patients (among cases meeting the inclusion and exclusion rules for the denominator) with a secondary ICD-10-CM Diagnosis Codes for Deep Vein Thrombosis or Pulmonary Embolism.</p> <p>Codes: (Primary and Secondary Diagnosis Codes) Secondary ICD-10-CM Diagnosis Codes, as follows:</p> <ul style="list-style-type: none"> • Deep Vein Thrombosis: ICD 10 CM Codes: I80.10, I80.11, I80.12, I80.13, I80.201, I80.202, I80.203, I80.209, I80.3, I80.211, I80.212, I80.213, I80.219, I80.221, I80.222, I80.223, I80.229, I80.231, I80.232, I80.233, I80.239, I80.291, I80.292, I80.293, I80.299, I82.401, I82.402, I82.403, I82.409, I82.411, I82.412, I82.413, I82.419, I82.421, I82.422, I82.423, I82.429, I82.431, I82.432, I82.433, I82.439, I82.441, I82.442, I82.443, I82.449, I82.491, I82.492, I82.493, I82.499, I82.4Y1, I82.4Y2, I82.4Y3, I82.4Y9, I82.4Z1, I82.4Z2, I82.4Z3, I82.4Z9, I82.601, I82.602, I82.603, I82.609, I82.621, I82.622, I82.623, I82.629, I80.3, I80.8, I80.9 • Pulmonary Embolism: ICD 10 CM Codes: T80.0XXA, T80.0XXD, T80.0XXS, T81.72XA, T81.72XD, T81.72XS, T82.817A, T82.817D, T82.817S, T82.818A, T82.818D, T82.818S,, I26.02, I26.09, I26.90, I26.92, I26.99 <p>CPT for the DVT and pulmonary cath. procedures; 01522, 34001, 34051, 34101, 34111, 34151, 34201, 34203, 34401, 34421, 34451, 34471, 34490, 78457, 78458, 37184, 37185, 37186, 37187, 37188, 37201, 37202.</p> <p>Denominator: all adult patients undergoing surgical intervention in that set period. Total Number of discharged surgical patients ages 16 years and older, with any listed ICD-9-CM procedures codes for and operating room procedure code specified in Appendix 1 CPT Operating Room Procedure Codes</p> <p>Codes: Denominator Inclusions:</p> <ul style="list-style-type: none"> • Patients ages 16 years and older • Discharged Patients with surgical procedures listed in Appendix 1 CPT Operating Room Procedure Codes <p>Denominator Exclusions: Patients with a principal ICD-10-CM Diagnosis Code (or secondary diagnosis present on admission) for:</p> <ul style="list-style-type: none"> • Deep Vein Thrombosis (please see above) • Pulmonary Embolism (please see above) <p>Patients where s procedure for interruption of vena cava occurs before or on the same date as the first operating room procedure (<i>CPT Procedure Code: 37620 Interruption of Vena Cava</i>)</p>
Unit	per 1,000 surgical discharges
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Hospital internal adverse event system and complication log • Based on list of discharged patients with specific ICD 9 Diagnosis and Procedure codes • Patient medical record

Indicator Id	QI006
Unique Reference Id	ID_252
Name	Count of healthcare acquired MDRO infection/colonization in all inpatients
Domain	Patient Safety
Sub – domain	Complication
Definition	Count of hospital-acquired MDRO cases in all patients in a set period (Defined by HAAD policy on infection control HAAD/HSED/ST/0017/HS_EHSMS and included in the attached guidance) within set period
Calculation Methodology	<p>Indicator: Count of MDRO acquired while in the hospital. To include in the reporting patients/cases, colonized or infected with MDRO (Multi Drug Resistant Organisms), which include:</p> <ul style="list-style-type: none"> • MDRO ICD-10 Codes Z16.24,Z16.35 • KPI MDRO-01 – Methicillin-resistant Staphylococcus aureus (MRSA): Number of patients colonized or infected with MRSA , MRSA ICD-10 Codes; A41.02,A49.02,B95.62 J15.212,Z22.322 • KPI MDRO-02 – Clostridium difficile (CDIFF): Number of patients colonized or infected with Clostridium difficile • CDIFF ICD-10 Codes A04.7,A41.4,A48.0, B96.89, P36.5 • KPI MDRO-03 – Vancomycin-resistant Enterococci (VRE): Number of patients colonized or infected with VRE • VRE ICD-10 Codes B95.2,Z16.21 • KPI MDRO-04 – Extended spectrum beta-lactamase producing Escherichia coli and Klebsiella spp. (ESBL): Number of patients colonized or infected with ESBL E. coli and/ or Klebsiella oxytoca and Klebsiella pneumonia. • (ESBL) ICD-10 Codes B96.1,B96.20,B96.21,B96.22,B96.23, B96.29, Z16.12 • KPI MDRO-05 – Multi-drug/Extensively-drug resistant Mycobacterium tuberculosis (MDR-Tb/XDR-Tb): Number of patients with active MDR-Tb/XDR-Tb. • (MDR-Tb/XDR-Tb.) ICD-10 Codes ;A15.0,A15.4,A15.5, A15.6 A15.7, A15.8, A15.9, A17.0, A17.1, A17.81, A17.82, A17.83, A17.89, A17.9, A18.01, A18.02, A18.03, A18.09, A18.10, A18.11, A18.12, A18.13, A18.14, A18.15, A18.16, A18.17, A18.18, A18.2, A18.31, A18.32, A18.39, A18.4, A18.50, A18.51, A18.52, A18.53, A18.54, A18.59, A18.6, A18.7, A18.81, A18.82, A18.83, A18.84, A18.85, A18.89, A19.0, A19.1, A19.2, A19.8, A19.9 <p>Inclusions:</p> <ul style="list-style-type: none"> • All patients • Patient admitted in hospital (Inpatients) • All Inpatient Wards (Excluding Inpatient Rehabilitation Facilities and Inpatient Psychiatric Facilities) • Healthcare facility-Onset (HO): Positive Laboratory results collected >3 days after admission • Positive Laboratory results collected for Clinical Purpose (Diagnosis and Treatments) • All Specimen types • All non-duplicated Positive Lab test results: <ul style="list-style-type: none"> o First positive lab test result that occurred during this admission (encounter) AND o Same patient and location, following laboratory result of a previous C. difficile toxin-positive or MDRO isolate from blood within the past two weeks [14 days].

Indicator Id**QI006**

Exclusion:

- Community-Onset (CO): Positive Lab Tests results for collected specimens on an inpatient location ≤ 3 days after admission to the facility (i.e., days 1, 2 or 3 of admission)
- Positive Lab Tests results for collected specimens in an outpatient location
- Positive Lab Tests results for collected specimens in an Inpatient Rehabilitation Facility and Inpatient Psychiatric Facility
- Duplicated Positive Lab Test results (Positive Lab Tests results for same patient with the same MDRO in ≤ 2 weeks)
- Active Surveillance Testing (AST) that showing positive MDRO with no clinical indication for treatment.
- Duplicate MDRO isolate from any specimen (except *C. difficile* toxin-positive or MDRO isolate from blood within the past two weeks [14 days]) per patient and location

Unit

Count

Unit type

Number

DOH Current sources

- Lab test results of all specimen
- Captured by infection control team/ nursing as part of regular surveillance activities and infection control documentation.
- Patient medical record.

Indicator Id	QI007
Unique Reference Id	ID_253
Name	Rate of unplanned readmission for planned Hernia Repair
Domain	Effectiveness
Sub – domain	Readmission
Definition	Rate of unplanned emergency readmission for adult patients (16 years and over) undergoing a planned Hernia Repair of all types using all surgical methods within 30 days of discharge from the indexed (the planned hernia repair admission) hospitalization. All related and Unrelated readmissions to be included. (indicate if it related or un related in the “notes” section).
Calculation Methodology	<p>Numerator: number of adult patients (more than or equal to 16 years of age) with unplanned readmission to any facility within 30 days of being discharge from hospital for having a planned Hernia Repair (all types)</p> <p>Denominator: number of finished adult planned Hernia Repair episodes over a specific period done by a specific provider</p> <p>Codes: (Primary and Secondary Diagnosis Codes) Numerator: Number of cases from denominator 16+ admitted as in emergency within 30 days of discharge date of the indexed hospitalization Denominator: Hernia Repair CPT Code (49505, 49520, 49525, 49540, 49550, 49555, 49560, 49565, 49568, 49570, 49580, 49585, 49650, 49651, 49652, 49656, 49659) Exclusions; 49507, 49521, 49553, 49557, 49561, 49566, 49572, 49582, 49587, 49653, 49654, 49657</p>
Unit	Per 100 Hernia Repair admissions
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Mortality and Morbidity record • Hospital internal adverse event and incident report system • Hospital Patient data source

Indicator Id	QI008
Unique Reference Id	ID_254
Name	Rate of unplanned readmission for planned primary Knee Replacement
Domain	Effectiveness
Sub – domain	Readmission
Definition	Rate of unplanned emergency readmission for adult patients (16 years and over) undergoing a planned Knee Replacement of all types using all surgical methods within 30 days of discharge from the indexed (the planned Knee Replacement admission) hospitalization. All related and Unrelated readmissions to be included.
Calculation Methodology	<p>Numerator: number of adult patients with unplanned readmission to any facilities within 30 days following discharge from hospital for having Knee Replacement (all types)</p> <p>Denominator: number of adult patients with planned primary Knee Replacements over the set period</p> <p>Codes: (Primary and Secondary Diagnosis Codes)</p> <p>Numerator: Number of cases from denominator admitted as in emergency within 30 days of discharge date</p> <p>Denominator: Knee replacement CPT Code (27437, 27438, 27440, 27441, 27442, 27443, 27445, 27446, 27447, 27486, 27487, 27488)</p>
Unit	Per 100 Knee Replacement admissions
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Mortality and Morbidity record • Hospital internal adverse event and incident report system • Hospital patient data source

Indicator Id	QI009
Unique Reference Id	ID_255
Name	Rate of unplanned readmission for unplanned Pneumonia
Domain	Effectiveness
Sub – domain	Readmission
Definition	Rate of unplanned emergency readmission for adult patients (16 years and over) with Pneumonia within 30 days of discharge from the indexed hospitalization for having emergency Pneumonia. All related and Unrelated cases to be included. (indicate if it related or un related in the “notes” section).
Calculation Methodology	<p>Numerator: number of unplanned (related and Unrelated) admission of all adult patients to any facilities who were discharged from hospital (with unplanned admission with pneumonia) in the previous 30 days (mapped against primary facility)</p> <p>Denominator: number of adult patients unplanned admissions with finished episodes of Pneumonia within a set period</p> <p>Codes: :(Primary and Secondary Diagnosis Codes)</p> <p>Numerator: Number of adult patients from denominator admitted as emergency within 30 days of discharge date</p> <p>Denominator: Adult patients discharged with Pneumonia ICD-10-CM (Primary and Secondary diagnosis); Codes specified in Appendix 2;</p> <p>ICD-10-CM Codes: A15.0, A37.91, A48.1, J09.X1, J10.00, J10.08, J11.00, J11.08, J12.0, J12.1, J12.2, J12.81, J12.89, J12.9, J13, J14, J15.0, J15.1, J15.3, J15.4, J15.20, J15.211, J15.212, J15.29, J15.3, J15.4, J15.5, J15.6, J15.7, J15.8, J15.9, J16.0, J16.8, J17, J18.0, J18.1, J18.2, J18.8, J18.9, J84.111, J84.113, J84.116, J84.117, J84.2, J85.1, J95.851, J95.4</p>
Unit	Per 100 Pneumonia admissions
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Hospital internal adverse event and incident reporting system. • Mortality and morbidity record • Hospital patient data source

Indicator Id	QI010
Unique Reference Id	ID_256
Name	Rate of unplanned readmission for unplanned Urinary Tract Infection (UTI)
Domain	Effectiveness
Sub – domain	Readmission
Definition	Rate of unplanned emergency readmission for adult patients (16 years and over) with unplanned UTI within 30 days of discharge from the indexed hospitalization for having emergency UTI. All related and Unrelated readmissions to be included (indicate if it related or un related in the “notes” section).
Calculation Methodology	<p>Numerator: number of unplanned admissions of all adult patients to any facilities who were discharged from hospital (with unplanned admission with UTI) in the previous 30 days (mapped against primary facility)</p> <p>Denominator: number of all adult admissions with finished episodes of UTI within a set period</p> <p>Codes: (Primary and Secondary Diagnosis Codes)</p> <p>Numerator: Number of cases from denominator admitted as in emergency within 30 days of discharge date</p> <p>Denominator: ICD 10 CM Code : N39.0, N30.00, N30.01, N30.30, N30.31, N30.40, N30.41,N30.80,N30.81, N30.90,N30.91,N13.6,N28.85,N28.86,A18.13,N33,N34.0, N34.1,N34.2,A18.10,A18.11,A18.12, A18.13,A54.00,A54.01, A54.1, A54.21, A56.00, A56.01,A59.03,A52.75,A52.76,B37.41, B37.49, N34.0,N34.1,N34.2, T83.51XA, T83.51XD, T83.51XS, T83.59XA, T83.59XD, T83.59XS, N15.1, N15.8, N15.9, N99.511, N99.521, N99.81</p> <p>Exclusions;</p> <ul style="list-style-type: none"> • Chronic UTI • Recurrent Pregnancy related UTI • ICD-10-CM Excluded codes; • N11.0, N11.1, N11.8, N13.70, N13.71, N13.721, N13.722, N13.729, N13.731,N13.732, N13.739, N13.9, N30.10, N30.11, N30.20, N30.21,P37.5,P39.3,O03.38,O07.38,O03.8 8,O04.88,O08.83, O23.00,O23.01,O23.02, O23.03, O23.10, O23.11, O23.12, O23.13, O23.20,O23.21, O23.22, O23.23, O23.30, O23.31, O23.32, O23.33, O23.40, O23.41, O23.42, O23.43, O75.3, O86.20, O86.21, O86.22, O86.29
Unit	Per 100 UTI admissions
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Hospital internal adverse event and incident reporting system. • Mortality and morbidity record • Hospital patient data source

Indicator Id	QI011
Unique Reference Id	ID_257
Name	Count of Cardiopulmonary arrests outside critical care area in a given period
Domain	Effectiveness
Sub – domain	Recovery
Definition	Count of all patients cardiopulmonary arrest incidents that occurred outside critical care area within the specified period.
Calculation Methodology	<p>Number of all cardiac arrests occurring outside critical care irrespective of outcome in the specific facility within the set period.</p> <p>Indicator: Number In-hospital inpatient cardiac/pulmonary arrests that occurred outside the critical care wards</p> <p>Cardiac arrests occurring ICD-10 CM Codes; R57.0,O03.36,O07.36, O03.86,O04.86,O08.81,O29.111,O29.112,O29.113, O29.119,O74.2,O89.1,I46.2,I46.8,I46.9,P29.81.</p> <p>Cardiac arrests occurring CPT Codes; 92950</p> <p>Inclusions:</p> <ul style="list-style-type: none"> • Cardiac or respiratory arrests outside of critical care wards • All inpatients: neonate, pediatric and adult <p>Exclusions:</p> <ul style="list-style-type: none"> • Cardiac or respiratory arrests occurred in OR, ICU (critical care wards) and ED • Cardiac or respiratory arrests occurred in outpatients or visitors • Still births • Patients that are prone to cardiac arrest but kept out of critical care due to clinical or palliative reasons. e.g.: patient with end stage cancer. • Excluded ICD-10 CM Codes; O36.4XX0, O36.4XX1, O36.4XX2, O36.4XX3, O36.4XX4, O36.4XX5, O36.4XX9, Z37.1, Z37.3, Z37.4, Z37.60, Z37.61, Z37.62, Z37.63, Z37.64, Z37.69, Z37.7, P95, I97.710, I97.711, I97.120, I97.121
Unit	Count
Unit type	Number
DOH Current sources	<ul style="list-style-type: none"> • Data from telephone operator regarding activated code “blue” and “code pink” calls and CPR Record or a similar system. • Mortality and Morbidity Record

Indicator Id	QI012
Unique Reference Id	ID_258
Name	Rate of Falls resulting in any injury per 1000-person bed days (patient days)
Domain	Patient Safety
Sub – domain	Adverse Events (AE) and Sentinel events
Definition	Falls resulting in any injury per 1000 all person bed days (Patient Days) (adverse event level 4)
Calculation Methodology	<p>Numerator: Total number of patient falls resulting in injury (minor, moderate, major, or death) to the patient</p> <p>Inclusions: Inpatients falls with injury: minor, moderate, major, or death</p> <p>Exclusions: Inpatient falls, but no harm was evident</p> <p>Denominator: Total number of all person bed day (patient days) in the specified period</p> <p>Inclusions: Patients with finished episodes</p> <p>Exclusions: N/A</p> <p>Calculation: $[\text{numerator} / \text{denominator}] \times 1000$</p>
Unit	per 1,000 bed days (patient days)
Unit type	Rate
DOH Current sources	Hospital internal adverse event and incident reporting system

Indicator Id	QI013
Unique Reference Id	ID_259
Name	Rate of hospital acquired or worsening Pressure Ulcers (Stage II and above) per 1000 person bed days (inpatient patient days)
Domain	Patient Safety
Sub – domain	Adverse Events (AE) and Sentinel events
Definition	Hospital Acquired or worsening Pressure Ulcers (Stage II and above) Rate per 1000 all person bed days (Inpatient patient-days)
Calculation Methodology	<p>Numerator: Number of patients with hospital acquired pressure ulcer Stage II, III, IV, Unstageable or Deep Tissue Injury (DTI)</p> <p>hospital acquired or worsening Pressure Ulcers (Stage II and above) ICD- 10 CM Codes; L89.000, L89.002,L89.003,L89.004, L89.010,L89.012,L89.013,L89.014,L89.020, L89.022,L89.023,L89.024,L89.100,L89.102, L89.103,L89.104,L89.110,L89.112,L89.113, L89.114,L89.120,L89.122,L89.123,L89.124, L89.130,L89.132,L89.133,L89.134,L89.140, L89.142,L89.143,L89.144,L89.150,L89.152, L89.153,L89.154,L89.200,L89.202,L89.203, L89.204,L89.210,L89.212,L89.213,L89.214, L89.220,L89.222,L89.223,L89.224,L89.300, L89.302,L89.303,L89.304,L89.310,L89.312, L89.313,L89.314,L89.320 ,L89.322,L89.323, L89.324,L89.42,L89.43,L89.44,L89.45,L89.500, L89.502,L89.503,L89.504,L89.510 ,L89.512, L89.513,L89.514,L89.520,L89.522,L89.523, L89.524,L89.600,L89.602,L89.603,L89.604,L89.610,L89.612, L89.613,L89.614,L89.620,L89.622,L89.623,L89.624,L89.810, L89.812,L89.813,L89.814 ,L89.890,L89.892,L89.893, L89.894,L89.92,L89.93,L89.94,L89.95</p> <p>Guide on stage is defined below;</p> <p>Category/Stage II: Partial thickness Partial thickness loss of dermis presenting as a shallow open ulcer with a red pink wound bed, without slough. May also present as an intact or open/ruptured serum-filled or sero-sanguinous filled blister. Presents as a shiny or dry shallow ulcer without slough or bruising*. This Category/Stage should not be used to describe skin tears, tape burns, incontinence associated with dermatitis, maceration or excoriation. *Bruising indicates deep tissue injury.</p> <p>Category/Stage III: Full thickness skin loss Full thickness skin loss. Subcutaneous fat may be visible but bone, tendon or muscle are not exposed. Slough may be present but does not obscure the depth of tissue loss. May include undermining and tunneling. The depth of a Category/Stage III pressure ulcer varies by anatomical location. The bridge of the nose, ear, occiput and malleolus do not have (adipose) subcutaneous tissue and Category/Stage III ulcers can be shallow. In contrast, areas of significant Quick Reference Guide Prevention 8 adiposity can develop extremely deep Category/Stage III pressure ulcers. Bone/tendon is not visible or directly palpable.</p> <p>Category/Stage IV: Full thickness tissue loss Full thickness tissue loss with exposed bone, tendon or muscle. Slough or eschar may be present. Often included undermining and tunneling. The depth of a Category/Stage IV pressure ulcer varies by anatomical location. The bridge of the nose, ear, occiput and malleolus do not have (adipose) subcutaneous tissue and these ulcers can be shallow. Category/Stage IV ulcers can extend into muscle and/or supporting structures (e.g., fascia, tendon or joint capsule) making osteomyelitis or osteitis likely to occur. Exposed bone/ muscle is visible or directly palpable.</p>

Indicator Id**QI013****Inclusions:**

- All Inpatients (Adult, Pediatric and Neonatal)
- Hospital Acquired Pressure Ulcers (not present or present but with lower a lower stage on admission to hospital).

Exclusions:

Patients with pressure ulcers present on admission, that stayed the same stage or improved following hospital stay

Hospital Acquired Pressure Stage I (ICD- 10 CM Codes; L89.001, L89.011,L89.021,L89.101 ,L89.111, L89.121,L89.131,L89.141,L89.151, L89.201,L89.211,L89.221,L89.301,L89.311,L89.321, L89.41, L89.501,L89.511,L89.521,L89.601,L89.611, L89.621,L89.811,L89.891,L89.91.

Day care patients – Medical Management (ICD-10 CM Code; 25-01)

Day care patients – Procedures (ICD-10 CM Code;25-02)

Denominator: The total number of all person bed days (inpatient patient- days) within the specified period

Calculation: [Numerator] / [Denominator] x 1000

Unit

Per 1000 bed days (patient days)

Unit type

Rate

DOH Current sources

- Manual Data Collection
- Patient record or EMR (Medical Chart Review): Skin and Wound Assessment Chart
- Hospital internal adverse event system

Indicator Id	QI014
Unique Reference Id	ID_260
Name	Rate of unplanned readmissions for unplanned Heart Failure
Domain	Effectiveness
Sub – domain	Readmission
Definition	Rate of all unplanned emergency (related and non-related) readmissions for adult patients (16 years and over) to any acute care hospital within 30-days of the date of discharge from the index heart failure (HF) emergency admission.
Calculation Methodology	<p>Numerator: number of any unplanned adult admissions (regardless of admitting diagnosis) to any acute care hospital within a 30-day period from the date of discharge from the index heart failure (HF) admission.</p> <p>Denominator: number of unplanned adult patients' admissions with primary and secondary diagnosis of heart failure within a set period</p> <p>Codes (Primary and Secondary Diagnosis Codes):</p> <p>Denominator: Heart failure ICD-10-CM Codes; I50.1, I50.20, I50.21, I50.22, I50.23, I50.30, I50.31, I50.32, I50.33, I50.40, I50.41, I50.42, I50.43, I50.9, I02.0, I01.8, I09.81, I13.0, I13.2, I11.0, I97.130, I97.131</p> <p>Inclusion Unplanned readmissions to any general or specialist hospital within a 30-day period from the date of discharge of the index heart failure (HF) admission.</p> <p>Exclusion</p> <ul style="list-style-type: none"> • Admissions for patients who are discharged against medical advice (AMA) • Admissions for patients having a principal diagnosis of HF during the index hospitalization and subsequently transferred to another acute care facility. • Planned Readmissions
Unit	Per 100 patients HF admissions
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Mortality and morbidity record • Hospital patient data source

Indicator Id	QI015
Unique Reference Id	ID_261
Name	Rate of unplanned readmission for unplanned Appendectomy
Domain	Effectiveness
Sub – domain	Readmission
Definition	Rate of all unplanned emergency (related or non-related) readmission to any inpatient facility for adult patients (16 years and over) within 30 days of the date of discharge from hospital after undergoing an appendectomy of all types using all surgical methods.
Calculation Methodology	<p>Numerator: number of adult patients (more than or equal to 16 years of age) with unplanned readmission to any facility within 30 days of being discharged from general or specialist hospital post emergency appendectomy (all types and all approaches) Denominator: number of finished adult emergency appendectomy over all approaches.</p> <p>Codes (Primary and Secondary Diagnosis Codes): Appendectomy CPT Codes: 44950, 44955, 44960, 44970; ICD-10CM Codes: K35.2, K35.3, K35.80, K35.89, K36, K37</p> <p>Inclusion Unplanned readmissions to any acute care hospital within a 30-day period from the date of discharge from the appendectomy</p> <p>Exclusion</p> <ul style="list-style-type: none"> Planned Readmissions. Appendectomy for cancer cases. Pheochromocytome. Operation where appendectomy is part of a larger procedure e.g., Meckel's diverticulum, right hemicolectomy etc. Excluded ICD-10CM Codes C18.1,C74.00,C74.01, C74.02, C74.10, C74.11, C74.12, C74.90, C74.91, C74.92, C79.70, C79.71, C79.72, D09.3,D35.00,D35.01,D35.02
Unit	Per 100 appendectomy admissions
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> Hospital internal mortality and morbidity. Hospital patient data source.

Indicator Id	QI016
Unique Reference Id	ID_262
Name	CAUTI rate per 1000 device days (all inpatients)
Domain	Patient Safety
Sub – domain	Adverse Events (AE) and Sentinel events
Definition	<p>Catheter-associated UTI (CAUTI): A UTI where an indwelling urinary catheter was in place for >2 calendar days on the date of event, with day of device placement being Day 1, AND An indwelling urinary catheter was in place on the date of event or the day before. If an indwelling urinary catheter was in place for > 2 calendar days and then removed, the date of event for the UTI must be the day of discontinuation or the next day for the UTI to be catheter-associated.</p> <p>Indwelling catheter: A drainage tube that is inserted into the urinary bladder through the urethra, is left in place, and is connected to a drainage bag (including leg bags). These devices are also called Foley catheters. Condom or straight in-and-out catheters are not included nor are nephrostomy tubes, ileoconduits, or suprapubic catheters unless a Foley catheter is also present. Indwelling urethral catheters that are used for intermittent or continuous irrigation are included in CAUTI surveillance.</p> <p>Location of Attribution: The inpatient location where the patient was assigned on the date of event is the location of attribution (Exception to Location of Attribution: Transfer Rule: If the date of event is on the date of transfer or discharge, or the next day, the infection is attributed to the transferring/discharging location)</p> <p>Date of Event (Event Date): The Date of Event is the date the first element used to meet site-specific infection criterion occurs for the first time within the seven-day infection window period.</p> <p>Infection Window Period: Infection Window Period is defined as the 7-days during which all site-specific infection criteria must be met. It includes the day the first positive diagnostic test that is an element of the site-specific infection criterion, was obtained, the 3 calendar days before and the 3 calendar days after.</p> <p>Indwelling catheter days Indwelling urinary catheter days, which are the number of patients with an indwelling urinary catheter device, are collected daily, at the same time each day.</p>

Indicator Id**QI016**

Calculation Methodology **Numerator:** number of patient with CAUTI that is identified during the period selected for surveillance. ICD-10CM Code; T83.51XA

Denominator: Total number of catheter device days

Criteria used to define CAUTI in Adult Patients:

Criteria 1a.

Patient must meet 1, 2, and 3 below:

1. Patient had an indwelling urinary catheter that had been in place for > 2days on the date of event (day of device placement = Day 1) AND was either:
 - Still present on the date of event, OR
 - Removed the day before the date of event
2. Patient has at least one of the following signs or symptoms:
 - fever (>38.0°C)
 - suprapubic tenderness
 - costovertebral angle pain or tenderness
 - urinary urgency
 - urinary frequency
 - dysuria
3. Patient has a urine culture with no more than two species of organisms, at least one of which is a bacteria of $\geq 10^5$ CFU/ml. All elements of the UTI criterion must occur during the Infection Window Period

1. Criteria used to define CAUTI for Patients ≤ 1 year:

Patient must meet 1, 2, and 3 below:

Patient is ≤ 1 year of age (an indwelling urinary catheter in place for >2 calendar days))

2. Patient has at least one of the following signs or symptoms:
 - fever (>38.0°C)
 - hypothermia (<36.0°C)
 - apnea
 - bradycardia
 - lethargy
 - vomiting
 - suprapubic tenderness
3. Patient has a urine culture with no more than two species of organisms, at least one of which is bacteria of $\geq 10^5$ CFU/ml. All elements of the SUTI criterion must occur during the Infection Window Period

Comment;

“Mixed flora” cannot be reported as a pathogen to meet the CAUTI criteria. Additionally, “mixed flora” represent at least two species of organisms. Therefore an additional organism recovered from the same culture, would represent >2 species of microorganisms. Such a specimen also cannot be used to meet the UTI criteria.

Unit

Per 1000 urinary catheter days

Unit type

Rate

DOH Current sources

- Captured by infection control team
- Patient’s records
- Lab reports
- Hospital internal mortality and morbidity

Indicator Id	QI017
Unique Reference Id	ID_263
Name	CLABSI Rate per 1000 Central Line-Days (all inpatients)
Domain	Patient Safety
Sub – domain	Adverse Events (AE) and Sentinel events
Definition	<p>Central line-associated BSI (CLABSI): A laboratory-confirmed bloodstream infection (LCBI) where central line (CL) or umbilical catheter (UC) was in place for >2 calendar days on the date of event, with day of device placement being Day 1,</p> <p>AND</p> <p>a CL or UC was in place on the date of event or the day before. If a CL or UC was in place for >2 calendar days and then removed, the date of event of the LCBI must be the day of discontinuation or the next day. If the patient is admitted or transferred into a facility with an implanted central line (port) in place, and that is the patient’s only central line, day of first access in an inpatient location is considered Day1. “Access” is defined as line placement, infusion or withdrawal through the line. Such lines continue to be eligible for CLABSI once they are accessed until they are either discontinued or the day after patient discharged (as per the Transfer Rule). Note that the “de-access” of a port does not result in the patient’s removal from CLABSI surveillance.</p> <p>Central line: An intravascular catheter that terminates at, close to the heart, or in one of the great vessels that used for infusion, withdrawal of blood, or hemodynamic monitoring. The following are considered great vessels for the purpose of reporting central-line BSI and counting central-line days in the NHSN system:</p> <ul style="list-style-type: none"> • Aorta • Pulmonary artery • Superior vena cava • Inferior vena cava • Brachiocephalic veins • Internal jugular veins • Subclavian veins • External iliac veins • Common iliac veins • Femoral veins • In neonates, the umbilical artery/vein. <p>Umbilical catheter: A central vascular device inserted through the umbilical artery or vein in a neonate.</p> <p>Infusion: The introduction of a solution through a blood vessel via a catheter lumen. This may include continuous infusions such as nutritional fluids or medications, or it may include intermittent infusions such as flushes, IV antimicrobial administration, or blood transfusion or hemodialysis.</p> <p>Temporary central line: A non-tunneled, non- implanted catheter.</p> <p>Permanent central line: Includes Tunneled catheters, including certain dialysis catheters Implanted catheters (including ports)</p> <p>Location of Attribution: The inpatient location where the patient was assigned on the date of event is the location of attribution (Exception to Location of Attribution: Transfer Rule: If the date of event is on the date of transfer or discharge, or the next day, the infection is attributed to the transferring/discharging location)</p>

Date of Event (Event Date):

The Date of Event is the date the first element used to meet site-specific infection criterion occurs for the first time within the seven-day infection window period.

Infection Window Period:

Infection Window Period is defined as the 7-days during which all site-specific infection criteria must be met. It includes the day the first positive diagnostic test that is an element of the site-specific infection criterion, was obtained, the 3 calendar days before and the 3 calendar days after.

Central Line days:

Central Line days are the number of patients with indwelling central lines, are collected daily, at the same time each day

Calculation Methodology

Numerator: Each CLABSI that is identified during the period selected for surveillance in all inpatient setting patients

ICD-10CM Codes T80.211A

Denominator: Number of all central line days for all patients in the specified period

Exclusion:

ICD – 10 CM Codes; T80.211D, T80.212S, T80.218S, T80.219S

Laboratory-Confirmed Bloodstream Infection (LCBI) Criteria to define BSI:**LCBI 1. (in Adult Patients)**

Patient has a recognized pathogen cultured from one or more blood cultures

AND

organism cultured from blood is not related to an infection at another site

LCBI 2 (in Adult Patients)

Patient has at least one of the following signs or symptoms: fever (>38.0oC), chills, or hypotension

AND

organism cultured from blood is not related to an infection at another site

AND

the same common commensal (i.e., diphtheroids [Corynebacterium spp. not C. diphtheriae], Bacillus spp. [not B. anthracis], Propionibacterium spp., coagulase-negative staphylococci [including S. epidermidis], viridans group streptococci, Aerococcus spp., and Micrococcus spp.) is cultured from two or more blood cultures drawn on separate occasions.

LCBI 3 (In Patients ≤ 1 year)

Patient ≤ 1 year of age has at least one of the following signs or symptoms: fever (>38.0oC), hypothermia (<36.0oC), apnea, or bradycardia

AND

organism cultured from blood is not related to an infection at another site .

AND

the same common commensal (i.e., diphtheroids [Corynebacterium spp. not C. diphtheriae], Bacillus spp. [not B. anthracis], Propionibacterium spp., coagulase-negative staphylococci [including S. epidermidis], viridans group streptococci, Aerococcus spp., and Micrococcus spp.) is cultured from two or more blood cultures drawn on separate occasions

Unit	Per 1000 central line days
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Captured by infection control team • Patient's records • Lab reports • Hospital internal mortality and morbidity

Indicator Id	QI018
Unique Reference Id	ID_264
Name	Surgical Site Infection (SSI) per 100 Appendectomy procedures
Domain	Patient Safety
Sub – domain	Complication
Definition	<p>SSI following appendectomy: Percentage rate of all patients developing an SSI within 30 days post emergency appendectomy</p> <p>Infection present at time of surgery (PATOS): PATOS denotes that there is evidence of an infection or abscess at the start of or during the index surgical procedure (in other words, it is present preoperatively). PATOS does not apply if there is a period of wellness between the time of a preoperative condition and surgery. The evidence of infection or abscess must be noted/documentated preoperatively or found intraoperatively in a pre-operative or intraoperative note.</p>
Calculation Methodology	<p>Numerator: Number of all SSI identified within 30 days post emergency appendectomy within the specified period</p> <p>Denominator: Total number of all patients undergoing emergency appendectomy in the specific facility within the specified related set period.</p> <p>Criteria to define SSI following appendectomy (Organ/Space SSI) Patients must meet the following criteria: Infection occurs within 30 days after the NHSN operative procedure (where day 1 = the procedure date) AND infection involves any part of the body deeper than the fascial/muscle layers, that is opened or manipulated during the operative procedure AND patient has at least one of the following:</p> <ol style="list-style-type: none"> purulent drainage from a drain that is placed into the organ/space (e.g., closed suction drainage system, open drain, T-tube drain, CT guided drainage) organisms isolated from an aseptically-obtained culture of fluid or tissue in the organ/ space an abscess or other evidence of infection involving the organ/space that is detected on gross anatomical or histopathologic exam, or imaging test <p>Codes: CPT: 44950, 44955, 44960, 44970</p>
Unit	Per 100 appendectomy Procedures
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> Captured by infection control team/ nursing as part of regular surveillance activities and infection control documentation. Patient's records Hospital internal mortality and morbidity

Indicator Id	QI019
Unique Reference Id	ID_265
Name	Emergency primary Caesarian Section rate
Domain	Patient Safety
Sub – domain	Evidence Based Medicine
Definition	Percentage rate of unplanned (all those that do not fall into “delivery timed to suit the woman, or staff / Operating Room availability in the absence of maternal or fetal compromise”). Cesarean deliveries in adult (over or equal to 16 years old) woman without a prior history of cesarean out of all deliveries
Calculation Methodology	<p>Numerator: Number of first time unplanned Cesarean section deliveries, Codes: CPT Codes; 59510, 59514, 59515, 59618, 59620, 59622</p> <p>Denominator: All deliveries.</p> <p>Exclude cases:</p> <ul style="list-style-type: none"> • Any diagnosis of abnormal presentation, preterm (<37 weeks), fetal death, multiple gestation • Previous Cesarean delivery diagnosis in any diagnosis field Placenta previa or accreta • Any caesarian section delivery timed to suit the woman, or staff / Operating Room availability in the absence of maternal or fetal compromise. • ICD – 10 CM Excluded codes in Appendix 3
Unit	Per 100 deliveries
Unit type	Rate
DOH Current sources	Patient’s records

Indicator Id	QI020
Unique Reference Id	ID_266
Name	Elective primary Caesarian Section rate
Domain	Patient Safety
Sub – domain	Evidence Based Medicine
Definition	Percentage rate of planned (delivery timed to suit the woman, or staff / Operating Room availability in the absence of maternal or fetal compromise) Cesarean deliveries for adult woman (over or equal to 16 years old) without a prior history of cesarean out of all deliveries
Calculation Methodology	<p>Numerator: Number of planned first time planned Cesarean section deliveries, Codes: CPT Codes; 59510, 59514, 59515, 59618, 59620, 59622</p> <p>Denominator: All deliveries</p> <p>Exclude cases:</p> <ul style="list-style-type: none"> • Any diagnosis of abnormal presentation, preterm (<37weeks), fetal death, multiple gestation diagnosis codes , placenta previa or accreta • Previous Cesarean delivery diagnosis in any diagnosis field • ICD – 10 CM Excluded codes in Appendix 3
Unit	Per 100 deliveries
Unit type	Rate
DOH Current sources	Patient's records

Indicator Id	QI021
Unique Reference Id	ID_267
Name	Surgical Site Infection (SSI) per 100 emergency Caesarian Section
Domain	Patient Safety
Sub – domain	Complication
Definition	Percentage rate of patients having Infection within 30 days after the unplanned Cesarean Section for all unplanned C/S procedures
Calculation Methodology	<p>Numerator: Number of all SSI identified within 30 days for all patients who underwent an unplanned Caesarean Section</p> <p>Denominator: Total number of all patients undergoing unplanned Caesarean Section in that facility in the specified related set period</p> <p>Inclusion: All inpatients Cesarean section CPT codes; 59510, 59514, 59515, 59618, 59620, 59622</p> <p>Exclusion:- Conditions Present On Admission (POA) (see Appendix 4)</p> <p>Criteria to define SSI following Emergency C-Section (Organ/Space SSI) Patients must meet the following criteria: Infection occurs within 30 days after the NHSN operative procedure (where day 1 = the procedure date) AND infection involves any part of the body deeper than the fascial/muscle layers, that is opened or manipulated during the operative procedure AND patient has at least one of the following:</p> <ol style="list-style-type: none"> purulent drainage from a drain that is placed into the organ/space (e.g., closed suction drainage system, open drain, T-tube drain, CT guided drainage) organisms isolated from an aseptically-obtained culture of fluid or tissue in the organ/ space an abscess or other evidence of infection involving the organ/space that is detected on gross anatomical or histopathologic exam, or imaging test <p>AND Meets at least one criterion for a specific organ / space infection site specified in Table 4. These criteria are in the surveillance definitions for specific types of infection chapter</p>
Unit	Per 100 Emergency C/S
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> Captured by infection control team/ nursing as part of regular surveillance activities and infection control documentation Patient's records

Indicator Id	QI022
Unique Reference Id	ID_268
Name	Surgical Site Infection (SSI) Per 100 elective Caesarian Section
Domain	Patient Safety
Sub – domain	Complication
Definition	Rate of adult (16 years and over) patients contracting Infection occurring within 30 days after the planned Cesarean Section per all planned caesarian sections performed within the set period
Calculation Methodology	<p>Numerator: Number of all SSI identified within 30 days for all patients who underwent a planned Caesarean Section (primary or otherwise)</p> <p>Denominator: Total number of all patients that underwent a planned Caesarean Section in that facility in the specified related set period</p> <p>Inclusion: All inpatients Cesarean section CPT codes; 59510, 59514, 59515, 59618, 59620, 59622</p> <p>Exclusion:- Conditions Present On Admission (POA) (see Appendix 4)</p> <p>Criteria to define SSI following Elective C-Section (Organ/Space SSI) Patients must meet the following criteria: Infection occurs within 30 days after the NHSN operative procedure (where day 1 = the procedure date) AND infection involves any part of the body deeper than the fascial/muscle layers, that is opened or manipulated during the operative procedure AND patient has at least one of the following: a. purulent drainage from a drain that is placed into the organ/space (e.g., closed suction drainage system, open drain, T-tube drain, CT guided drainage) b. organisms isolated from an aseptically-obtained culture of fluid or tissue in the organ/ space c. an abscess or other evidence of infection involving the organ/space that is detected on gross anatomical or histopathologic exam, or imaging test AND Meets at least one criterion for a specific organ / space infection site specified in Table 4. These criteria are in the surveillance definitions for specific types of infection chapter.</p>
Unit	Per 100 Elective C/S
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Captured by infection control team/ nursing as part of regular surveillance activities and infection control documentation • Patient's records • Hospital internal mortality and morbidity

Indicator Id	QI023
Unique Reference Id	ID_269
Name	Perinatal Mortality rate per 1000 births
Domain	Outcome
Sub – domain	Perinatal Mortality rate per 1000 births
Definition	<p>Perinatal Mortality: Rate of all still births and early neonatal death out of all births in the specified period.</p> <p>To monitor perinatal mortality</p> <p>Perinatal: Describes the period surrounding birth, and traditionally includes the time from fetal viability from about 24 weeks of pregnancy up to either 7 or 28 days</p> <p>Perinatal mortality: Fetal deaths (stillbirths) after 24 completed weeks of gestation and neonatal death before 7 completed days.</p>
Calculation Methodology	<p>Numerator: Number of:</p> <ol style="list-style-type: none"> fetal deaths (stillbirths from ≥24 weeks of gestation and/or ≥500g birth weight)) early neonatal deaths (birth to age 7 days of life) <p>Include: ICD 10 CM Code: Z38.00, Z38.01, Z38.30, Z38.31, Z38.61, Z38.62, Z38.63, Z38.64, Z38.65, Z38.66, Z38.68, with discharge disposition “Death” for neonate, patients age up to 7 days of life</p> <p>Denominator: (ICD 10 CM Code: Z38.00, Z38.01, Z38.30, Z38.31, Z38.61, Z38.62, Z38.63, Z38.64, Z38.65, Z38.66, Z38.68,)</p> <p>Inclusion: All babies born in the facility and/ or being care for in the specified facility</p>
Unit	Per 1000 births
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> Manual Data Collection Patient’s Records

Indicator Id	QI024
Unique Reference Id	ID_270
Name	Perinatal Mortality - corrected rate per 1000 births
Domain	Outcome
Sub – domain	Perinatal Mortality - corrected rate per 1000 births
Definition	<p>Perinatal Mortality: Rate of all stillbirths and early neonatal death out of all births in the specified period.</p> <p>To monitor perinatal mortality</p> <p>Perinatal: Describes the period surrounding birth, and traditionally includes the time from fetal viability from about 24 weeks of pregnancy up to either 7 or 28 days</p> <p>Perinatal mortality: Fetal deaths (stillbirths) after 24 completed weeks of gestation and neonatal death before 7 completed days.</p> <p>Corrected Perinatal Mortality = excluding major congenital anomalies, <24 weeks gestation and/or <500g birth weight</p>
Calculation Methodology	<p>Numerator: Number of: fetal deaths (stillbirths from ≥24 weeks of gestation and/or ≥500g birth weight) early neonatal deaths (birth to age 7 days of life)</p> <p>Include: ICD 10 CM Code: Z38.00, Z38.01, Z38.30, Z38.31, Z38.61, Z38.62, Z38.63, Z38.64, Z38.65, Z38.66, Z38.68, with discharge disposition “Death” for neonate, patients age up to 7 days of life</p> <p>Denominator: Total number of births Total number of births (ICD 10 CM Code: Z38.00, Z38.01, Z38.30, Z38.31, Z38.61, Z38.62, Z38.63, Z38.64, Z38.65, Z38.66, Z38.68,)</p> <p>Inclusion: All babies born in the facility and/ or being care for in the specified facility</p> <p>Exclusion:</p> <ul style="list-style-type: none"> • Major congenital anomalies • <24 weeks gestation and/or <500g birth weight
Unit	per 1000 births
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Manual Data Collection • Patient’s Records

Indicator Id	QI025
Unique Reference Id	ID_005
Name	Neonatal Mortality rate per 1000 births
Domain	Outcome
Sub – domain	Neonatal Mortality rate per 1000 births
Definition	<p>To monitor neonatal mortality</p> <p>Neonatal mortality: Death before the age of 28 completed days following live birth.</p>
Calculation Methodology	<p>Numerator: Number of neonatal death during first 28 days of life during hospital stay</p> <p>Include: All patients age up to 28 days of life</p> <p>Denominator: Total number of live births (ICD 10 CM Code: Z38.00, Z38.01, Z38.30, Z38.31, Z38.61, Z38.62, Z38.63, Z38.64, Z38.65, Z38.66, Z38.68)</p> <p>Inclusion: All babies born in the facility</p> <p>Exclusion:</p> <ul style="list-style-type: none"> • Deaths on or after 28 days of life • Stillbirths
Unit	Per 1000 births
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Manual Data Collection • Patient's Records • Mortality and Morbidity • Patient's follow up

Indicator Id	QI026
Unique Reference Id	ID_271
Name	Neonatal Mortality - corrected rate per 1000 births
Domain	Outcome
Sub – domain	Neonatal Mortality - corrected rate per 1000 births
Definition	To monitor neonatal mortality Neonatal mortality: Death before the age of 28 completed days following live birth. Corrected Neonatal Mortality = excluding major congenital anomalies irrespective of gestation; also < 24weeks gestation and those <500g
Calculation Methodology	<p>Numerator: Number of neonatal death during first 28 days of life during hospital stay</p> <p>Include: All patients age up to 28 days of life</p> <p>Denominator: Total number of live births (ICD 10 CM Code: Z38.00, Z38.01, Z38.30, Z38.31, Z38.61, Z38.62, Z38.63, Z38.64, Z38.65, Z38.66, Z38.68)</p> <p>Inclusion: All babies born in the facility</p> <p>Exclusion:</p> <ul style="list-style-type: none"> • Major congenital anomalies irrespective of gestation • Deaths on or after 28 days of life • Born at < 24weeks gestation and those <=500g in weight • Stillbirths
Unit	Per 1000 births
Unit type	Rate
DOH Current sources	<ul style="list-style-type: none"> • Manual Data Collection • Patient's Records • Mortality and Morbidity • Patient's follow up

10. APPENDIX FOR QUALITY INDICATORS

Appendix 1: CPT Operating Room Procedure Codes for KPI Number QI005

10022	14001	15832	19302	20650	21193	21454
10030	14020	15833	19303	20660	21196	21461
10081	14021	15836	19304	20661	21198	21462
10180	14040	15837	19305	20665	21206	21465
11005	14041	15839	19307	20670	21210	21470
11010	14060	15840	19316	20680	21215	21480
11011	14061	15845	19318	20690	21230	21490
11012	14301	15850	19324	20692	21235	21495
11043	14350	15851	19325	20693	21243	21501
11044	15002	15877	19328	20694	21270	21552
11406	15004	15935	19330	20827	21280	21554
11426	15100	15940	19340	20900	21282	21555
11446	15120	15946	19342	20902	21320	21556
11450	15130	16020	19350	20920	21325	21600
11451	15200	16025	19355	20924	21330	21610
11462	15220	16030	19357	20926	21335	21615
11463	15240	16035	19366	20974	21336	21620
11470	15260	17108	19370	20975	21337	21685
11471	15271	17266	19371	20982	21338	21700
11510	15273	17273	19380	21012	21339	21705
11604	15275	17274	19396	21014	21343	21720
11606	15572	17276	20005	21015	21344	21742
11623	15574	17282	20100	21025	21356	21743
11624	15576	17283	20101	21029	21360	21800
11626	15600	17286	20102	21031	21365	21925
11644	15610	19020	20103	21032	21385	21930
11646	15620	19081	20200	21046	21386	21931
11760	15630	19083	20205	21047	21387	21932
11762	15732	19102	20206	21048	21390	21933
11770	15740	19103	20220	21049	21395	21935
11771	15758	19110	20225	21050	21400	22010
11772	15760	19112	20240	21073	21401	22015
11921	15770	19120	20245	21079	21406	22100
11954	15780	19125	20250	21085	21407	22206
11960	15781	19260	20520	21086	21421	22207
11970	15820	19285	20525	21120	21440	22305
11971	15821	19290	20527	21121	21445	22310

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11976	15822	19296	20555	21143	21450	22315
13160	15824	19300	20610	21179	21451	22513
14000	15830	19301	20611	21182	21453	22514
22521	23405	23935	24435	25071	25391	25909
22523	23410	24000	24498	25073	25400	26020
22524	23412	24006	24500	25075	25405	26025
22551	23415	24066	24505	25076	25420	26030
22554	23420	24071	24515	25077	25431	26034
22600	23430	24073	24516	25101	25440	26035
22630	23440	24075	24535	25105	25445	26037
22633	23450	24076	24538	25107	25447	26040
22850	23455	24077	24545	25109	25500	26045
22852	23460	24101	24560	25110	25515	26055
22856	23462	24102	24565	25111	25520	26060
22900	23465	24105	24566	25112	25525	26070
22901	23466	24110	24575	25115	25526	26075
22902	23470	24115	24576	25116	25530	26080
22903	23472	24120	24579	25118	25535	26100
23000	23480	24130	24582	25119	25545	26105
23020	23485	24147	24586	25120	25560	26110
23030	23505	24149	24600	25135	25565	26111
23031	23515	24164	24605	25170	25574	26113
23035	23545	24201	24615	25210	25575	26115
23040	23550	24305	24620	25215	25605	26116
23044	23552	24310	24635	25240	25606	26117
23066	23570	24320	24640	25246	25607	26121
23071	23575	24340	24650	25248	25608	26123
23073	23600	24341	24655	25260	25609	26130
23076	23605	24342	24665	25263	25628	26135
23077	23615	24343	24666	25265	25645	26140
23101	23616	24344	24670	25270	25650	26145
23106	23620	24345	24675	25274	25660	26160
23107	23630	24346	24685	25275	25670	26200
23120	23655	24350	24900	25290	25675	26205
23125	23660	24351	25000	25295	25676	26210
23130	23665	24352	25001	25301	25680	26215
23140	23670	24356	25020	25310	25685	26230
23150	23675	24357	25028	25312	25690	26235
23155	23680	24358	25031	25320	25695	26236
23180	23700	24359	25035	25332	25810	26261
23182	23800	24366	25040	25337	25820	26262
23331	23930	24400	25065	25350	25825	26320
23350	23931	24430	25066	25390	25830	26340
10022	14001	15832	19302	20650	21193	21454
10030	14020	15833	19303	20660	21196	21461

10081	14021	15836	19304	20661	21198	21462
10180	14040	15837	19305	20665	21206	21465
11005	14041	15839	19307	20670	21210	21470
11010	14060	15840	19316	20680	21215	21480
11011	14061	15845	19318	20690	21230	21490
11012	14301	15850	19324	20692	21235	21495
11043	14350	15851	19325	20693	21243	21501
11044	15002	15877	19328	20694	21270	21552
11406	15004	15935	19330	20827	21280	21554
11426	15100	15940	19340	20900	21282	21555
11446	15120	15946	19342	20902	21320	21556
11450	15130	16020	19350	20920	21325	21600
11451	15200	16025	19355	20924	21330	21610
11462	15220	16030	19357	20926	21335	21615
11463	15240	16035	19366	20974	21336	21620
11470	15260	17108	19370	20975	21337	21685
11471	15271	17266	19371	20982	21338	21700
11510	15273	17273	19380	21012	21339	21705
11604	15275	17274	19396	21014	21343	21720
11606	15572	17276	20005	21015	21344	21742
11623	15574	17282	20100	21025	21356	21743
11624	15576	17283	20101	21029	21360	21800
11626	15600	17286	20102	21031	21365	21925
11644	15610	19020	20103	21032	21385	21930
11646	15620	19081	20200	21046	21386	21931
11760	15630	19083	20205	21047	21387	21932
11762	15732	19102	20206	21048	21390	21933
11770	15740	19103	20220	21049	21395	21935
11771	15758	19110	20225	21050	21400	22010
11772	15760	19112	20240	21073	21401	22015
11921	15770	19120	20245	21079	21406	22100
11954	15780	19125	20250	21085	21407	22206
11960	15781	19260	20520	21086	21421	22207
11970	15820	19285	20525	21120	21440	22305
11971	15821	19290	20527	21121	21445	22310
11976	15822	19296	20555	21143	21450	22315
13160	15824	19300	20610	21179	21451	22513
14000	15830	19301	20611	21182	21453	22514
22521	23405	23935	24435	25071	25391	25909
22523	23410	24000	24498	25073	25400	26020
22524	23412	24006	24500	25075	25405	26025
22551	23415	24066	24505	25076	25420	26030
22554	23420	24071	24515	25077	25431	26034
22600	23430	24073	24516	25101	25440	26035
22630	23440	24075	24535	25105	25445	26037

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22633	23450	24076	24538	25107	25447	26040
22850	23455	24077	24545	25109	25500	26045
22852	23460	24101	24560	25110	25515	26055
22856	23462	24102	24565	25111	25520	26060
22900	23465	24105	24566	25112	25525	26070
22901	23466	24110	24575	25115	25526	26075
22902	23470	24115	24576	25116	25530	26080
22903	23472	24120	24579	25118	25535	26100
23000	23480	24130	24582	25119	25545	26105
23020	23485	24147	24586	25120	25560	26110
23030	23505	24149	24600	25135	25565	26111
23031	23515	24164	24605	25170	25574	26113
23035	23545	24201	24615	25210	25575	26115
23040	23550	24305	24620	25215	25605	26116
23044	23552	24310	24635	25240	25606	26117
23066	23570	24320	24640	25246	25607	26121
23071	23575	24340	24650	25248	25608	26123
23073	23600	24341	24655	25260	25609	26130
23076	23605	24342	24665	25263	25628	26135
23077	23615	24343	24666	25265	25645	26140
23101	23616	24344	24670	25270	25650	26145
23106	23620	24345	24675	25274	25660	26160
23107	23630	24346	24685	25275	25670	26200
23120	23655	24350	24900	25290	25675	26205
23125	23660	24351	25000	25295	25676	26210
23130	23665	24352	25001	25301	25680	26215
23140	23670	24356	25020	25310	25685	26230
23150	23675	24357	25028	25312	25690	26235
23155	23680	24358	25031	25320	25695	26236
23180	23700	24359	25035	25332	25810	26261
23182	23800	24366	25040	25337	25820	26262
23331	23930	24400	25065	25350	25825	26320
23350	23931	24430	25066	25390	25830	26340
27892	28119	28297	28645	29845	29915	31080
27894	28120	28298	28665	29846	29916	31085
28001	28122	28299	28666	29847	30115	31086
28002	28124	28300	28675	29848	30117	31090
28003	28126	28302	28705	29851	30118	31200
28005	28130	28304	28715	29855	30120	31201
28008	28140	28306	28725	29856	30125	31205
28010	28150	28307	28730	29862	30130	31225
28011	28153	28308	28735	29863	30140	31233
28020	28160	28309	28737	29870	30150	31235
28022	28173	28310	28740	29871	30310	31237
28024	28175	28312	28750	29873	30400	31238

28035	28192	28313	28755	29874	30410	31239
28039	28193	28315	28805	29875	30420	31240
28041	28200	28322	28810	29876	30430	31254
28043	28202	28341	28820	29877	30435	31255
28045	28208	28344	28825	29879	30460	31256
28046	28220	28345	29000	29880	30462	31267
28052	28222	28405	29010	29881	30465	31276
28054	28225	28406	29805	29882	30520	31287
28055	28226	28415	29806	29883	30540	31288
28060	28230	28420	29807	29884	30545	31291
28062	28232	28445	29819	29885	30580	31295
28072	28234	28446	29820	29886	30600	31296
28080	28238	28450	29821	29887	30620	31297
28086	28240	28465	29822	29888	30630	31300
28088	28250	28476	29823	29889	30802	31500
28090	28261	28485	29824	29891	30905	31502
28092	28262	28496	29825	29892	30906	31510
28100	28270	28505	29827	29893	30915	31511
28102	28272	28525	29828	29894	30920	31512
28104	28280	28555	29830	29895	30930	31513
28108	28285	28575	29834	29897	31020	31515
28110	28288	28576	29835	29898	31030	31528
28111	28289	28585	29836	29899	31032	31529
28112	28290	28605	29837	29904	31040	31530
28113	28292	28606	29838	29905	31050	31531
28114	28293	28615	29840	29906	31051	31535
28116	28294	28635	29843	29907	31070	31536
28118	28296	28636	29844	29914	31075	31540
31541	32020	33212	35226	36253	36820	37565
31545	32096	33213	35321	36254	36821	37600
31561	32097	33214	35454	36260	36825	37605
31570	32098	33215	35456	36262	36830	37607
31571	32215	33216	35458	36468	36831	37609
31576	32400	33217	35460	36470	36832	37618
31577	32405	33218	35470	36471	36833	37619
31578	32420	33220	35471	36475	36834	37620
31579	32421	33221	35473	36478	36838	37650
31588	32422	33222	35474	36481	36860	37660
31600	32505	33223	35475	36550	36861	37700
31601	32550	33224	35476	36556	36870	37718
31603	32551	33226	35480	36557	37182	37722
31605	32552	33227	35484	36558	37184	37735
31613	32554	33228	35493	36560	37187	37760
31615	32555	33229	35494	36561	37191	37765
31622	32557	33230	35523	36565	37192	37766

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31623	32601	33231	35875	36566	37193	37780
31624	32606	33233	35876	36568	37200	37785
31625	32607	33234	35903	36569	37201	38205
31628	32608	33235	36010	36570	37203	38206
31629	32609	33240	36011	36571	37204	38220
31630	32650	33241	36012	36581	37205	38221
31635	32664	33244	36013	36582	37207	38230
31640	32666	33249	36014	36584	37209	38232
31641	32669	33262	36015	36589	37210	38240
31643	32670	33263	36140	36590	37220	38242
31645	32671	33264	36145	36593	37221	38305
31646	32672	33282	36147	36595	37224	38308
31652	32673	33284	36200	36597	37225	38380
31660	32998	34111	36215	36620	37226	38500
31661	33010	35011	36216	36625	37227	38510
31720	33011	35045	36217	36640	37228	38520
31725	33015	35151	36224	36660	37229	38525
31730	33025	35184	36226	36680	37230	38542
31820	33206	35188	36245	36800	37231	38550
31830	33207	35190	36246	36810	37236	38555
32000	33208	35201	36247	36815	37238	38700
32002	33210	35206	36251	36818	37242	38720
32005	33211	35207	36252	36819	37243	38724
38740	41130	42409	43201	43262	44188	45020
38745	41250	42410	43202	43263	44204	45100
38760	41252	42415	43204	43264	44227	45108
38770	41520	42420	43205	43265	44300	45160
38792	41800	42425	43215	43266	44340	45170
39010	41805	42440	43217	43267	44346	45171
39200	41806	42450	43219	43268	44360	45172
39220	41822	42500	43220	43269	44361	45190
39400	41823	42505	43226	43270	44364	45307
40500	41825	42508	43228	43271	44366	45308
40525	41826	42660	43229	43272	44373	45309
40530	41827	42700	43231	43274	44376	45315
40652	41828	42720	43232	43275	44377	45317
40654	41850	42802	43233	43276	44380	45320
40700	41870	42806	43234	43277	44381	45332
40720	41874	42809	43235	43280	44382	45333
40761	42000	42810	43236	43281	44384	45334
40801	42104	42815	43237	43300	44385	45335
40805	42106	42820	43238	43332	44386	45337
40806	42120	42821	43239	43450	44388	45338
40808	42140	42825	43240	43453	44389	45339
40810	42145	42826	43241	43456	44391	45340

40814	42160	42830	43242	43458	44392	45341
40816	42180	42831	43243	43605	44393	45342
40818	42182	42835	43244	43644	44394	45346
40819	42200	42836	43245	43750	44401	45347
40820	42205	42844	43246	43761	44402	45349
40830	42210	42860	43247	43770	44403	45350
40831	42215	42870	43248	43771	44404	45355
40840	42225	42890	43249	43772	44405	45378
41008	42226	42960	43250	43773	44406	45379
41009	42260	42961	43251	43774	44407	45380
41010	42305	42962	43253	43870	44408	45381
41100	42310	42970	43254	43880	44500	45382
41108	42320	43030	43255	43886	44620	45383
41113	42330	43130	43256	43887	44901	45384
41114	42335	43135	43258	43888	44950	45385
41115	42400	43191	43259	44180	44970	45386
41116	42405	43194	43260	44186	45000	45387
41120	42408	43200	43261	44187	45005	45388
45389	46607	48100	49451	50081	51703	52310
45390	46608	48102	49452	50120	51705	52315
45391	46611	49002	49460	50130	51710	52317
45393	46612	49010	49491	50200	51715	52318
45398	46614	49021	49495	50205	51720	52320
45400	46615	49041	49496	50280	51726	52325
45500	46700	49061	49500	50385	51728	52327
45505	46706	49082	49501	50386	51741	52330
45541	46710	49083	49505	50387	51772	52332
45550	46750	49084	49507	50389	51784	52334
45560	46751	49180	49520	50390	51792	52345
45905	46760	49201	49521	50392	51798	52351
45910	46922	49203	49525	50393	51840	52352
45915	46924	49204	49540	50395	51845	52353
45990	46930	49205	49550	50398	51880	52354
46020	46934	49215	49553	50542	51980	52356
46030	46935	49250	49560	50543	51990	52402
46040	46936	49255	49561	50553	52000	52450
46045	46940	49320	49565	50555	52001	52500
46060	46942	49321	49566	50561	52005	52601
46080	46947	49322	49570	50562	52007	52612
46083	47000	49324	49572	50570	52204	52614
46200	47011	49325	49580	50575	52214	52620
46210	47382	49400	49582	50576	52224	52630
46211	47490	49402	49585	50590	52234	52640
46250	47505	49405	49587	50605	52235	52647
46255	47510	49406	49590	50630	52240	52648

APPENDIX FOR QUALITY INDICATORS

46257	47511	49418	49650	50688	52250	52649
46258	47525	49419	49651	50951	52260	53010
46260	47536	49421	49652	50961	52265	53020
46261	47552	49422	49653	51000	52270	53040
46262	47554	49423	49654	51010	52275	53060
46270	47555	49426	49655	51020	52276	53200
46275	47556	49429	49656	51040	52281	53215
46280	47560	49436	49657	51045	52282	53230
46285	47562	49440	50020	51050	52283	53260
46288	47563	49441	50021	51080	52285	53265
46500	47600	49442	50040	51500	52290	53270
46505	47630	49446	50075	51530	52300	53275
46601	47801	49450	50080	51700	52301	53400
53405	54352	55500	57240	58275	58671	60210
53410	54360	55520	57250	58285	58672	60212
53430	54380	55530	57260	58290	58673	60220
53440	54390	55535	57265	58291	58700	60225
53444	54400	55540	57268	58321	58720	60240
53445	54405	55550	57282	58322	58800	60252
53447	54410	55700	57284	58340	58805	60260
53450	54430	55705	57285	58345	58900	60271
53520	54440	55706	57287	58350	58920	60280
53850	54450	55873	57288	58353	58925	60281
53852	54500	55920	57289	58541	58943	60500
54001	54505	56440	57291	58542	58970	60502
54015	54512	56441	57295	58543	59000	60520
54057	54520	56442	57300	58544	59001	61000
54065	54522	56515	57310	58545	59012	61020
54105	54530	56620	57311	58546	59015	61026
54110	54550	56625	57410	58548	59100	61055
54115	54600	56630	57415	58550	59120	61210
54150	54640	56700	57420	58552	59121	61215
54160	54650	56740	57421	58553	59140	61320
54161	54660	56800	57423	58554	59150	61500
54162	54670	56805	57455	58555	59151	61531
54163	54690	56810	57456	58558	59160	61595
54205	54692	56820	57460	58559	59300	61623
54220	54700	56821	57461	58560	59320	61624
54235	54830	57000	57505	58561	59812	61626
54240	54840	57010	57513	58562	59820	61750
54300	54860	57020	57520	58563	59821	61790
54304	54865	57061	57522	58565	59830	61793
54312	55000	57065	57530	58570	59840	61795
54318	55040	57105	57550	58571	59841	61880
54322	55041	57106	57558	58572	59850	61885

54324	55060	57120	57700	58573	59851	61886
54326	55110	57130	57720	58600	59856	62141
54328	55120	57135	58120	58605	59870	62143
54332	55150	57155	58140	58615	59871	62162
54336	55175	57156	58145	58660	60000	62194
54340	55180	57200	58146	58661	60001	62201
54344	55200	57210	58260	58662	60100	62225
54348	55300	57220	58262	58670	60200	62230
62256	63075	64590	64861	65771	66852	67228
62258	63077	64595	64864	65772	66920	67229
62264	63081	64600	64885	65779	66940	67250
62268	63267	64610	64890	65780	66982	67255
62270	63650	64613	64891	65805	66983	67311
62272	63660	64620	65101	65815	66984	67312
62273	63663	64633	65103	65820	66985	67314
62281	63664	64635	65105	65850	66986	67316
62282	63685	64640	65110	65855	67005	67318
62287	63688	64642	65125	65860	67010	67343
62290	63741	64644	65140	65875	67015	67345
62291	64400	64680	65150	65900	67025	67346
62292	64405	64702	65155	65920	67027	67400
62302	64410	64704	65175	66020	67030	67405
62310	64412	64708	65210	66130	67031	67412
62311	64413	64712	65222	66160	67036	67413
62320	64415	64713	65235	66170	67038	67414
62321	64416	64718	65260	66172	67039	67415
62322	64417	64719	65265	66175	67040	67420
62323	64420	64721	65270	66180	67041	67445
62350	64430	64722	65272	66183	67042	67450
62351	64446	64726	65275	66185	67043	67505
62360	64447	64772	65280	66250	67101	67515
62362	64448	64774	65285	66500	67105	67550
62365	64470	64776	65286	66600	67107	67560
62367	64475	64782	65290	66625	67108	67710
62368	64479	64784	65400	66680	67110	67715
62369	64483	64788	65420	66682	67112	67808
62370	64493	64790	65426	66710	67113	67830
63005	64505	64792	65435	66711	67115	67835
63012	64510	64795	65436	66720	67120	67850
63015	64517	64820	65450	66740	67121	67875
63020	64530	64822	65600	66761	67141	67880
63030	64550	64831	65710	66762	67145	67882
63040	64555	64834	65730	66820	67208	67900
63042	64561	64835	65750	66821	67210	67901
63045	64570	64836	65755	66825	67218	67902

63046	64575	64840	65756	66830	67220	67903
63047	64581	64856	65760	66840	67221	67904
63056	64585	64857	65770	66850	67227	67908
67911	68340	69310	69636	69955	92977	93620
67912	68360	69320	69637	72265	92980	93624
67914	68362	69400	69641	73722	92982	93641
67916	68400	69401	69642	74400	92995	93650
67917	68420	69421	69643	75605	93312	93651
67921	68510	69424	69644	75630	93318	93652
67923	68520	69436	69645	75650	93451	93653
67924	68530	69440	69646	75660	93452	93660
67930	68540	69450	69650	75671	93453	94640
67935	68700	69501	69660	75710	93454	96373
67938	68720	69502	69661	75726	93455	0192T
67950	68750	69505	69662	77002	93456	0249T
67961	68760	69511	69666	77032	93457	G0105
67966	68761	69535	69667	90869	93458	G0121
67973	68770	69540	69670	91010	93459	G0260
67975	68801	69550	69700	91034	93460	G0269
68100	68810	69601	69710	91035	93461	G0289
68110	68811	69602	69714	91110	93505	G0290
68115	68815	69604	69715	92018	93530	G0291
68130	68816	69610	69718	92019	93531	G0364
68135	69140	69620	69801	92920	93533	G0378
68200	69150	69631	69805	92928	93580	
68320	69205	69632	69806	92943	93581	
68326	69222	69633	69820	92950	93582	
68330	69300	69635	69930	92960	93619	

Appendix 2: ICD-10 Pneumonia Codes for KPI Number QI009

Set 1:

A37.91, A48.1, J09.X1, J10.00, J10.08, J11.00, J11.08, J12.0, J12.1, J12.2, J12.81, J12.89, J12.9, J13, J14, J15.0, J15.1, J15.20, J15.211, J15.212, J15.29, J15.3, J15.4, J15.5, J15.6, J15.7, J15.8, J15.9, J16.0, J16.8, J17, J18.0, J18.1, J18.2, J18.8, J18.9, J20.0

Set 2:

A15.0

Set 3:

J84.111, J84.113, J84.116, J84.117, J84.2, J85.1

Set 4:

J95.851, J95.4

Table 4:
Specific Sites of an Organ/Space SSI

Code	Site	Code	Site
BONE	Osteomyelitis	LUNG	Other infections of the respiratory tract
BRST	Breast abscess or mastitis	MED	Mediastinitis
CARD	Myocarditis or pericarditis	MEN	Meningitis or Ventriculitis
DISC	Disc space	ORAL	Oral cavity (mouth, tongue, or gums)
EAR	Ear, mastoid	OREP	Other infections of the male or female reproductive tract
EMET	Endometritis	PJI	Periprosthetic Joint Infection
ENDO	Endocarditis	SA	Spinal abscess without meningitis
EYE	Eye, other than conjunctivitis	SINU	Sinusitis
GIT	GI tract	UR	Upper respiratory tract
HEP	Hepatitis	USI	Urinary System Infection
IAB	Intraabdominal, not specified	VASC	Arterial or venous infection
IC	Intracranial, brain abscess or dura	VCUF	Vaginal cuff
JNT	Joint or bursa		

Appendix 3: Excluded ICD10 – CM Codes for QI 019 and QI020 Emergency and Elective primary Caesarian Section rate

O64.0XX0	O64.5XX5	O60.14X3	O30.112	O30.892	O43.211	O69.3XX3	O69.9XX1
O64.0XX1	O64.5XX9	O60.14X4	O30.113	O30.893	O43.212	O69.3XX4	O69.9XX2
O64.0XX2	O64.8XX0	O60.14X5	O30.119	O30.899	O43.213	O69.3XX5	O69.9XX3
O64.0XX3	O64.8XX1	O60.14X9	O30.121	O30.90	O43.219	O69.3XX9	O69.9XX4
O64.0XX4	O64.8XX2	O36.4XX0	O30.122	O30.91	O43.221	O69.4XX0	O69.9XX5
O64.0XX5	O64.8XX3	O36.4XX1	O30.123	O30.92	O43.222	O69.4XX1	O77.8
O64.0XX9	O64.8XX4	O36.4XX2	O30.129	O30.93	O43.223	O69.4XX2	O77.9
O64.1XX0	O64.8XX5	O36.4XX3	O30.191	O34.21	O43.229	O69.4XX3	O61.0
O64.1XX1	O64.8XX9	O36.4XX4	O30.192	O44.00	O43.231	O69.4XX4	O61.1
O64.1XX2	O64.9XX0	O36.4XX5	O30.193	O44.01	O43.232	O69.4XX5	O61.8
O64.1XX3	O64.9XX1	O36.4XX9	O30.199	O44.02	O43.233	O69.4XX9	O61.9
O64.1XX4	O64.9XX2	O30.001	O30.201	O44.03	O43.239	O69.5XX0	O34.21
O64.1XX5	O64.9XX3	O30.002	O30.202	O44.10	O71.00	O69.5XX1	O65.0
O64.1XX9	O64.9XX4	O30.003	O30.203	O44.11	O71.02	O69.5XX2	O65.1
O64.2XX0	O64.9XX5	O30.009	O30.209	O44.12	O71.03	O69.5XX3	O65.2
O64.2XX1	O64.9XX9	O30.011	O30.211	O44.13	O71.1	O69.5XX4	O65.3
O64.2XX2	O60.10X0	O30.012	O30.212	O45.001	O69.0XX0	O69.5XX5	O65.4
O64.2XX3	O60.10X1	O30.013	O30.213	O45.002	O69.0XX1	O69.5XX9	O65.5
O64.2XX4	O60.10X2	O30.019	O30.219	O45.003	O69.0XX2	O69.81X0	O65.8
O64.2XX5	O60.10X3	O30.021	O30.221	O45.009	O69.0XX3	O69.81X1	O65.9
O64.2XX9	O60.10X4	O30.022	O30.222	O45.011	O69.0XX4	O69.81X2	O98.311
O64.3XX0	O60.10X5	O30.023	O30.223	O45.012	O69.0XX5	O69.81X3	O98.312
O64.3XX1	O60.10X9	O30.029	O30.229	O45.013	O69.0XX9	O69.81X4	O98.313

O64.3XX2	O60.12X0	O30.031	O30.291	O45.019	O69.1XX0	O69.81X5	O98.319
O64.3XX3	O60.12X1	O30.032	O30.292	O45.021	O69.1XX1	O69.81X9	O98.32
O64.3XX4	O60.12X2	O30.033	O30.293	O45.022	O69.1XX2	O69.82X0	O98.33
O64.3XX5	O60.12X3	O30.039	O30.299	O45.023	O69.1XX3	O69.82X1	O14.00
O64.3XX9	O60.12X4	O30.041	O30.801	O45.029	O69.1XX4	O69.82X2	O14.02
O64.4XX0	O60.12X5	O30.042	O30.802	O45.091	O69.1XX5	O69.82X3	O14.03
O64.4XX1	O60.12X9	O30.043	O30.803	O45.092	O69.1XX9	O69.82X4	O14.10
O64.4XX2	O60.13X0	O30.049	O30.809	O45.093	O69.2XX0	O69.82X5	O14.12
O64.4XX3	O60.13X1	O30.091	O30.811	O45.099	O69.2XX1	O69.82X9	O14.13
O64.4XX4	O60.13X2	O30.092	O30.812	O45.8X1	O69.2XX2	O69.89X0	O10.12
O64.4XX5	O60.13X3	O30.093	O30.813	O45.8X2	O69.2XX3	O69.89X1	O10.13
O64.4XX9	O60.13X4	O30.099	O30.819	O45.8X3	O69.2XX4	O69.89X2	O10.211
O64.5XX0	O60.13X5	O30.101	O30.821	O45.8X9	O69.2XX5	O69.89X3	O10.212
O64.5XX1	O60.13X9	O30.102	O30.822	O45.90	O69.2XX9	O69.89X4	O10.213
O64.5XX2	O60.14X0	O30.103	O30.823	O45.91	O69.3XX0	O69.89X5	O10.219
O64.5XX3	O60.14X1	O30.109	O30.829	O45.92	O69.3XX1	O69.89X9	O10.22
O64.5XX4	O60.14X2	O30.111	O30.891	O45.93	O69.3XX2	O69.9XX0	O10.23
O10.311	O10.319	O10.411	O10.419	O10.911	O10.919	O11.1	O11.9
O10.312	O10.32	O10.412	O10.42	O10.912	O10.92	O11.2	
O10.313	O10.33	O10.413	O10.43	O10.913	O10.93	O11.3	

Appendix 4: ICD – 10 CM Codes for Present on Admission (POA)

A021, A227, A267, A327, A400, A401, A403, A408, A409, A4101, A4102, A411, A412, A413, A414, A4150, A4151, A4152, A4153, A4159, A4181, A4189, A419, A427, A4901, A5486, B377, B952, B9561, B957, B958, B961, B9620, B9621, B9622, B9623, B9629, B965, B9689, E11.65, O99.820, O99.824, O99.825, O99.830, O99.834, O99.835, R571, R578, R6520, R6521, R7881, T8110XA, T8112XA, Z86.14

11. DATA DICTIONARY MATRIX

KPI Id	Indicator Name	WHO	National Agenda	SDG	Competitiveness Yearbook	Global Competitiveness Report	World Tourism and Travel Competitiveness Report	Human Development Report	Human Capital Report	Legatum Indicator Report	IMD	Sustainability and Development Goals Report	National Health Workforce account	ILO	Quality Indicators
ID_001	Life expectancy at birth	WHO Definition			WHO Definition	WHO Definition		WHO Definition	WHO Definition	WHO Definition		WHO Definition			
ID_002	Adult mortality rate between 15 and 60 years of age	WHO Definition													
ID_003	Under-five mortality rate	WHO Definition	WHO Definition									WHO Definition			
ID_004	Infant mortality rate	WHO Definition			WHO Definition	WHO Definition									
ID_005	Neonatal mortality rate	WHO Definition	WHO Definition												WHO Definition
ID_006	Stillbirth rate	WHO Definition													
ID_007	Maternal mortality ratio	WHO Definition													
ID_008	TB mortality rate	WHO Definition													
ID_009	AIDS-related mortality rate	WHO Definition													WHO Definition
ID_010	Malaria mortality rate	WHO Definition													
ID_011	Mortality from cardiovascular diseases/ cancer/ diabetes or chronic respiratory diseases	Between 30 and 70 years of age		Age standardized for the complete population											WHO Definition
ID_012	Suicide rate	WHO Definition													
ID_013	Mortality rate from road traffic injuries	WHO Definition													
ID_014	Adolescent fertility rate	Between 15 - 19 years of age		Between 10 - 14 and 15 -19 years of age											WHO Definition
ID_015	Total fertility rate	WHO Definition													
ID_016	New cases of vaccine-preventable diseases	WHO Definition													

KPI Id	Indicator Name	WHO	National Agenda	SDG	Competitiveness Yearbook	Global Competitiveness Report	World Tourism and Travel Competitiveness Report	Human Development Report	Human Capital Report	Legatum Indicator Report	IMD	Sustainability and Development Goals Report	National Health Workforce account	Quality Indicators
ID_017	New cases of IHR-notifiable diseases and other notifiable diseases	WHO Definition												
ID_018	HIV incidence rate	WHO Definition		WHO Definition										
ID_019	HIV prevalence rate	Complete population without age condition			Applicable only for patients in age group 15 - 49 years	Applicable for age group 15 - 49 years						Complete population without age condition		
ID_020	Hepatitis B surface antigen prevalence	WHO Definition												
ID_021	Sexually transmitted infections (STIs) incidence rate	WHO Definition												
ID_022	TB incidence rate	WHO Definition		WHO Definition	Applicable only for new TB Cases							WHO Definition		
ID_023	TB notification rate	WHO Definition												
ID_024	TB prevalence rate	WHO Definition												
ID_025	Malaria parasite prevalence among children aged 659- months	WHO Definition												
ID_026	Malaria incidence rate	WHO Definition		WHO Definition	Estimated count not the actual as WHO	Estimated number per 100,000 population								
ID_027	Cancer incidence by type of cancer	WHO Definition												
ID_028	Exclusive breastfeeding rate 0-5 months of age	WHO Definition												
ID_029	Early initiation of breastfeeding (within 1 hour of birth)	WHO Definition												
ID_030	Incidence of low birth weight among newborns	WHO Definition												
ID_031	Children under 5 years who are stunted	Both Moderate and Severe occurrences are considered separately for representation		Both Moderate and Severe occurrences are considered together									Applicable to all degree of stunted growth	

KPI Id	Indicator Name	WHO	National Agenda	SDG	Competitiveness Yearbook	Global Competitiveness Report	World Tourism and Travel Competitiveness Report	Human Development Report	Human Capital Report	Legatum Indicator Report	IMD	Sustainability and Development Goals Report	National Health Workforce account	ILO	Quality Indicators
ID_032	Children under 5 years who are wasted	Both Moderate and Severe occurrences are considered separately for representation		Both Moderate and Severe occurrences are considered together								Applicable to all degree of wasted growth			
ID_033	Anemia prevalence in children	WHO Definition													
ID_034	Anemia prevalence in women of reproductive age	WHO Definition													
ID_035	Condom use at last sex with high-risk partner	WHO Definition													
ID_036	Population using safely managed drinking-water services	WHO Definition													WHO Definition
ID_037	Population using safely managed sanitation services	WHO Definition	WHO Definition												WHO Definition
ID_038	Population using modern fuels for cooking/heating/lighting	WHO Definition													
ID_039	Air pollution level in cities	WHO Definition													
ID_040	Total alcohol per capita (age 15+ years) consumption	WHO Definition		WHO Definition											
ID_041	Tobacco use among persons aged 18+ years	Applicable for age groups of 13- 15 years and 15+ years and 18+ years	Applicable for all the age groups	Applicable for 15+ years											
ID_042	Children aged under 5 years who are overweight	Applicable for obese children in the age group 0 - 5 years	Applicable for obese children in the age group 517- 0 - 5 years	Applicable for obese children in the age group 517- 0 - 5 years											

KPI Id	Indicator Name	WHO	National Agenda	SDG	Competitiveness Yearbook	Global Competitiveness Report	World Tourism and Travel Competitiveness Report	Human Development Report	Human Capital Report	Legatum Indicator Report	IMD	Sustainability and Development Goals Report	National Health Workforce account	Quality Indicators
ID_043	Overweight and obesity in adults (Also: adolescents)	Applicable to obese population of age 18+								Applicable to obese population of all age groups		Applicable only for Obese population		
ID_044	Raised blood pressure among adults	WHO Definition												
ID_045	Raised blood glucose/diabetes among adults	Applicable for diabetic population in age 18+ years	Applicable for diabetic population in age group 20 -79 years											
ID_046	Salt intake	WHO Definition												
ID_047	Insufficient physical activity in adults (Also: adolescents)	WHO Definition												
ID_048	Intimate partner violence prevalence	WHO Definition												
ID_049	Demand for family planning satisfied with modern methods	Applicable for women who are sexually active between 15 - 49 years of age	Applicable to all women between 15 - 49 years of age											
ID_050	Contraceptive prevalence rate	WHO Definition												
ID_051	Antenatal care coverage	WHO Definition												
ID_052	Births attended by skilled health personnel	WHO Definition										WHO Definition		
ID_053	Postpartum care coverage	WHO Definition												
ID_054	Care-seeking for symptoms of pneumonia	WHO Definition												
ID_055	Children with diarrhea receiving oral rehydration solution (ORS)	WHO Definition												
ID_056	Vitamin A supplementation coverage	WHO Definition												

DATA DICTIONARY MATRIX

KPI Id	Indicator Name	WHO	National Agenda	SDG	Competitiveness Yearbook	Global Competitiveness Report	World Tourism and Travel Competitiveness Report	Human Development Report	Human Capital Report	Legatum Indicator Report	IMD	Sustainability and Development Goals Report	National Health Workforce account	ILO	Quality Indicators
ID_057	Immunization coverage rate by vaccine for each national schedule	WHO Definition										Applicable for Age-specific vaccination			
ID_058	People living with HIV who have been diagnosed	WHO Definition								WHO Definition					
ID_059	Prevention of mother-to-child transmission	WHO Definition													
ID_060	HIV care coverage	WHO Definition													
ID_061	Antiretroviral therapy (ART) coverage	WHO Definition													
ID_062	HIV viral load suppression	WHO Definition													
ID_063	TB preventive therapy for HIV-positive people newly enrolled in HIV care	WHO Definition													
ID_064	HIV test results for registered new and relapse TB patients	WHO Definition													
ID_065	HIV-positive new and relapse TB patients on ART during TB treatment	WHO Definition													
ID_066	TB patients with results for drug susceptibility testing	WHO Definition													
ID_067	TB case detection rate	WHO Definition													
ID_068	Second-line treatment coverage among multidrug-resistant tuberculosis (MDR-TB) cases	WHO Definition													
ID_069	Intermittent preventive therapy for malaria during pregnancy (IPTp)	WHO Definition													

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ID_070	Use of insecticide treated nets (ITNs)	WHO Definition													
ID_071	Treatment of confirmed malaria cases	WHO Definition													
ID_072	Indoor residual spraying (IRS) coverage	WHO Definition													
ID_073	Coverage of preventive chemotherapy for selected neglected tropical diseases	Requires patients diagnosed with the disease as well as getting treated for the same													Requires patients diagnosed with the desired disease as well as getting treated for the same
ID_074	Cervical cancer screening	WHO Definition													
ID_075	Coverage of services for severe mental health disorders	WHO Definition													
ID_076	Perioperative mortality rate	WHO Definition													
ID_077	Obstetric and gynecological admissions owing to abortion	WHO Definition													
ID_078	Institutional maternal mortality ratio	WHO Definition													
ID_079	Maternal death reviews	WHO Definition													
ID_080	ART retention rate	WHO Definition													
ID_081	TB treatment success rate	WHO Definition													
ID_082	Service-specific availability and readiness	WHO Definition													
ID_083	Service utilization	WHO Definition													
ID_084	Health service access	WHO Definition													

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ID_085	Hospital bed density	Per 10000 Population (excluding labour and delivery beds)	Per 1000 Population				Per 10000 Population (excluding labour and delivery beds)								
ID_086	Availability of essential medicines and commodities	WHO Definition													
ID_087	Health worker density and distribution	Per 1000 Population		Per 10000 population											
ID_088	Output training institutions	WHO Definition													
ID_089	Birth registration coverage	WHO Definition											WHO Definition		
ID_090	Death registration coverage	WHO Definition													
ID_091	Completeness of reporting by facilities	WHO Definition													
ID_092	Total current expenditure on health (% of gross domestic product)	WHO Definition													
ID_093	Current expenditure on health by general government and compulsory schemes (% of current expenditure on health)	WHO Definition													
ID_094	Out-of-pocket payment for health (% of current expenditure on health)	WHO Definition													
ID_095	Externally sourced funding (% of current expenditure on health)	WHO Definition													
ID_096	Total capital expenditure on health (% current + capital expenditure on health)	WHO Definition													
ID_097	Headcount ratio of catastrophic health expenditure	WHO Definition													

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ID_098	Headcount ratio of impoverishing health expenditure	WHO Definition												
ID_099	International Health Regulations (IHR) core capacity index	WHO Definition		WHO Definition										
ID_100	Population Size	WHO Definition												
ID_101	Population Growth rate	WHO Definition												
ID_102	Net primary School Enrolment	WHO Definition												
ID_103	Population below the international poverty line	WHO Definition												
ID_104	Adult literacy rate (15 - 24 years)	WHO Definition												
ID_105	Children under 5 who are obese	WHO Definition												
ID_106	Number of practicing physicians per 1000 population		National Agenda definition		National Agenda definition								National Agenda definition	
ID_107	Number of practicing nurses per 1000 population		National Agenda definition		National Agenda definition									
ID_108	Rate of medical malpractice cases per 100000 treated cases		National Agenda definition											
ID_109	Percentage of hospitals granted accreditation		National Agenda definition											
ID_110	Average healthy life expectancy		National Agenda definition											
ID_111	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Level of satisfaction with health care		National Agenda definition											

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ID_112	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Percentage of children immunized with triple immunization with DPT 3 (age 12-23 months)		National Agenda definition												
ID_113	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Percentage of children immunized against measles (age 12 - 23 months)		National Agenda definition												
ID_114	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Percentage of population with obesity		National Agenda definition												
ID_115	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Percentage of population with diabetes (18 years and over) in the population		National Agenda definition												
ID_116	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Age Standardized Mortality rate (all causes)		National Agenda definition												
ID_117	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Years lost due to tuberculosis per 100,000 population		National Agenda definition												
ID_118	Healthcare Care Quality Index (Health Indicators - Legatum Report) - Life expectancy at birth.		National Agenda definition												

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ID_119	Healthcare Quality Index (Health Indicators - Legatum Report) - Exposure to health problems		National Agenda definition													
ID_120	Mortality rate due to cardiovascular diseases per 100,000 population		National Agenda definition													
ID_121	Healthcare Quality Index (Health Indicators - Legatum Report) - Joy indicator		National Agenda definition													
ID_122	Mortality rate due to cancer per 100,000 population		National Agenda definition													
ID_123	Healthcare Quality Index (Health Indicators - Legatum Report) - Sadness Indicator		National Agenda definition													
ID_124	Prevalence of moderate or severe food insecurity in the population, based on the Food Insecurity Experience Scale (FIES)			SDG Definition												
ID_125	Mortality rate attributed to household and ambient air pollution			SDG Definition												
ID_126	Hepatitis B incidence per 100 000 population			SDG Definition												
ID_127	Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene			SDG Definition												
ID_128	Mortality rate attributed to unintentional poisoning			SDG Definition												

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ID_129	Proportion of women aged 15-49- years who make their own informed decisions regarding sexual relations, contraceptive use and reproductive health care			SDG Definition											
ID_130	Coverage of treatment interventions (pharmacological, psychosocial and rehabilitation and aftercare services) for substance use disorders			SDG Definition											
ID_131	Coverage of essential health services			SDG Definition											
ID_132	Number of countries with laws and regulations that guarantee women aged 15-49- access to sexual and reproductive health care, information and education			SDG Definition											
ID_133	Proportion of population with large household expenditures on health as a share of total household expenditure or income			SDG Definition											
ID_134	Proportion of the population with access to affordable medicines and vaccines on a sustainable basis			SDG Definition											
ID_135	Total net official development assistance to medical research and basic health sectors			SDG Definition											

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ID_136	«Proportion of total government spending on essential services (education, health and social protection)»			SDG Definition											
ID_137	Proportion of population using safely managed drinking water service			SDG Definition								WHO Definition			
ID_138	«Proportion of population using safely managed sanitation services, including a hand-washing facility with soap and water»			SDG Definition											
ID_139	«Proportion of population with primary reliance on clean fuels and technology»			SDG Definition											
ID_140	Annual mean levels of fine particulate matter (eg. PM2.5 and PM10) in cities (population weighted)			SDG Definition											
ID_141	Number of deaths, missing persons and persons affected by disaster per 100,000 people			SDG Definition											
ID_142	Number of victims of intentional homicide per 100,000 population, by sex and age			SDG Definition											
ID_143	Conflict-related deaths per 100,000 population, by sex, age and cause			SDG Definition											
ID_144	Total health expenditure (%)												FCSA Definition		
ID_145	Total health expenditure per capita														FCSA Definition
ID_146	Public expenditure on health (%)														FCSA Definition

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ID_147	Health infrastructure				FCSA Definition										
ID_148	Healthy life expectancy				FCSA Definition										
ID_149	Business impact of malaria				FCSA Definition										
ID_150	Business impact of tuberculosis				FCSA Definition										
ID_151	Business impact of HIV/AIDS				FCSA Definition										
ID_152	Healthy life years beyond age 65								FCSA Definition						
ID_153	Diabetes Prevalence									FCSA Definition					
ID_154	Health problems									FCSA Definition					
ID_155	Satisfaction with Healthcare									FCSA Definition					
ID_156	Health Infrastructure										FCSA Definition				
ID_157	Prevalence of undernourishment (% of population)											FCSA Definition			
ID_158	Daily smokers (% of population aged 15+)											FCSA Definition			
ID_159	UHC Tracer Index (0100-)											FCSA Definition			
ID_160	Number of Overall injuries													ILO Definition	
ID_161	Number of Fatal Injuries													ILO Definition	
ID_162	Number of Non-Fatal/Major/Serious Injuries													ILO Definition	
ID_163	Number of Occupational Diseases													ILO Definition	
ID_164	Overall Injury Rate													ILO Definition	
ID_165	Fatal Injuries Rate													ILO Definition	
ID_166	Major Injuries Rate													ILO Definition	

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ID_167	Minor Injuries Rate													ILO Definition	
ID_168	Occupational Disease Incidence Rate													ILO Definition	
ID_169	Ratio of health and social sector employment to total civilian employment												WHO NHWA Definition		
ID_170	Density of active health workers per 1000 population, by cadre												WHO NHWA Definition		
ID_171	Density of active health workers per 1000 population by cadre and at subnational level												WHO NHWA Definition		
ID_172	« Density of health workers per 1000 population, by population, by cadre, by activity level (practising professionally active, licensed to practice) »												WHO NHWA Definition		
ID_173	Ratio between active and registered health workers, by cadre												WHO NHWA Definition		
ID_174	Percentage of male and female health workers in active health workforce, by cadre												WHO NHWA Definition		
ID_175	Percentage of active health workers in different age groups, by cadre and by sex												WHO NHWA Definition		
ID_176	Overall median age of active health workers and median age in age groups, by cadre and by sex												WHO NHWA Definition		

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ID_177	«Percentage of active foreign-trained health workers by place of birth (domestic/foreign) and by country of training»												WHO/NHWA Definition		
ID_178	Percentage of active health workers employed by type of facility ownership, by cadre												WHO/NHWA Definition		
ID_179	Percentage of active health workers employed by facility type, by cadre												WHO/NHWA Definition		
ID_180	Density of active health workers in different regions (by regional typology), by cadre												WHO/NHWA Definition		
ID_181	Ratio of applicants for education and training programmes to education and training places, by cadre, by sex												WHO/NHWA Definition		
ID_182	Ratio of entrants into education and training programmes to education and training places by cadre, by sex												WHO/NHWA Definition		
ID_183	Percentage of entrants to education and training programmes by cadre, by institutional ownership												WHO/NHWA Definition		
ID_184	Percentage of male and female entrants to education and training programmes by cadre, by institutional ownership												WHO/NHWA Definition		

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ID_185	Ratio of foreign-born entrants to education and training programmes, by cadre, by country of birth												WHO NHWA Definition		
ID_186	Ratio of entrants to education and training programmes to educators, by cadre												WHO NHWA Definition		
ID_187	«Percentage of male and female graduates from education and training programmes, by cadre, by institutional ownership»												WHO NHWA Definition		
ID_188	Graduation rate across education and training programmes, by cadre, by institutional ownership												WHO NHWA Definition		
ID_189	«Density of graduates from education and training programmes during the last academic year by cadre, by institutional ownership»												WHO NHWA Definition		
ID_190	Existence of a regulation on the duration and contents of education programmes, by cadre												WHO NHWA Definition		
ID_191	«Existence of accreditation mechanisms used at national level for health education and training institutions and programmes, by cadre»												WHO NHWA Definition		

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ID_192	Percentage of education and training programmes that are accredited by cadre												WHO/NHWA Definition		
ID_193	Existence of social accountability as an element of the accreditation standards used at the national level												WHO/NHWA Definition		
ID_194	Existence of interprofessional education as an element of the accreditation standards used at the national level												WHO/NHWA Definition		
ID_195	Existence of national systems for continuing professional development by cadre												WHO/NHWA Definition		
ID_196	Existence of in-service training as an element of national education plans for health workers												WHO/NHWA Definition		
ID_197	Ratio of total public expenditure on health workforce education and training to total public expenditure												WHO/NHWA Definition		
ID_198	Ratio of total public expenditure on health workforce education and training to GDP												WHO/NHWA Definition		
ID_199	Ratio of total public expenditure on health workforce education to total public expenditure on education												WHO/NHWA Definition		

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ID_200	Cost per graduate in education and training programmes by cadre, by institutional ownership												WHO NHWA Definition		
ID_201	Cost of educators per graduate by institutional ownership, by cadre												WHO NHWA Definition		
ID_202	Recurrent costs of specialist medical education per graduate, per speciality												WHO NHWA Definition		
ID_203	«Ratio of total public expenditure on health workforce in-service training to total public expenditure on health workforce education and training»												WHO NHWA Definition		
ID_204	Average tuition fee per graduate by education and training programme, by cadre												WHO NHWA Definition		
ID_205	Ratio of previous year graduates who started practice within one year after graduation to total number of previous year graduates, by cadre												WHO NHWA Definition		
ID_206	Ratio of newly active health workers to total stock of active health workers, by cadre, by sex												WHO NHWA Definition		
ID_207	Ratio of active health workers leaving the health sector labour market to total stock of active health workers, by cadre, by sex												WHO NHWA Definition		

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ID_208	Unemployment rate by cadre, by subnational level												WHO/NHWA Definition		
ID_209	Percentage of hard-to-fill posts to total number of posts, by cadre and by subnational level												WHO/NHWA Definition		
ID_210	Existence of a formal mechanism for the registration of immigration and emigration												WHO/NHWA Definition		
ID_211	« Ratio of newly active foreign-trained (foreign-born) health workers to total active stock, by cadre, by place of birth (domestic/foreign) and by country of training»												WHO/NHWA Definition		
ID_212	Ratio of active health workers who have left the country to total active health workers, by cadre												WHO/NHWA Definition		
ID_213	Availability of information on reasons for intention to leave the country												WHO/NHWA Definition		
ID_214	« Ratio of estimated net inflow into and outflow from the labour market to the total stock of active health workers, by cadre»												WHO/NHWA Definition		
ID_215	Average annual number of hours worked, by cadre												WHO/NHWA Definition		
ID_216	Percentage of total employment in FTE to total active health workers by facility type												WHO/NHWA Definition		

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ID_217	Percentage of part-time health workers among total health workforce, by sex and cadre												WHO NHWA Definition		
ID_218	Existence of a law, policy or regulation regulating working hours												WHO NHWA Definition		
ID_219	Existence of a law, policy or regulation regulating minimum wage												WHO NHWA Definition		
ID_220	«Percentage of health workers by status in employment to total number of health workers, by cadre, by facility type»												WHO NHWA Definition		
ID_221	Percentage of health workers engaging in dual practice, by cadre and by facility ownership type												WHO NHWA Definition		
ID_222	Existence of national occupational health and safety plans or programmes												WHO NHWA Definition		
ID_223	Percentage of health workers who experienced a violent attack in the past 12 months, by type of attack												WHO NHWA Definition		
ID_224	Existence of governmental measures for the prevention of attacks on health workers												WHO NHWA Definition		
ID_225	«Existence of a policy or programme regarding the right to parental leave, flexible leave arrangements, childcare support or career break schemes, by sex»												WHO NHWA Definition		

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ID_226	Total expenditure on health workforce as a percentage of total (or current) health expenditure												WHO/NHWA Definition		
ID_227	Total expenditure on health workforce as a percentage of gross domestic product (GDP)												WHO/NHWA Definition		
ID_228	« Total public expenditure on health workforce as a percentage of total public health expenditure, by cost category »												WHO/NHWA Definition		
ID_229	Average remuneration of health workers, by cadre, by facility ownership type, by status in employment												WHO/NHWA Definition		
ID_230	« Existence of national policies, scholarships and grants providing financial and non-financial benefits by cadre: to students if they enrol in an educational programme for a health profession in which there is a shortage in order to recruit and retain health workers in geographical areas with imbalances and inequitable distribution of health workers »												WHO/NHWA Definition		
ID_231	Ratio of nursing professionals to physicians												WHO/NHWA Definition		
ID_232	Percentage of generalist physicians among all physicians												WHO/NHWA Definition		

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ID_233	Specialized birth care workforce per 1000 live births, by subnational level (This indicator is best measured relative to pregnancies where data is available)												WHO NHWA Definition		
ID_234	Specialized child care workforce per 1000 of under-5 population, by subnational level												WHO NHWA Definition		
ID_235	Density of specialist surgical, anaesthetic, and obstetric care providers per 100000 population												WHO NHWA Definition		
ID_236	Existence of advanced nursing roles												WHO NHWA Definition		
ID_237	Existence of policies addressing appropriate skill mix and new role development												WHO NHWA Definition		
ID_238	Existence of primary care priorities												WHO NHWA Definition		
ID_239	Availability of human resources to implement IHR (2005) core capacity requirements												WHO NHWA Definition		
ID_240	«Applied epidemiology training programme in place such as Field Epidemiology Training Programme (FETP)»												WHO NHWA Definition		
ID_241	Existence of health management certification requirements												WHO NHWA Definition		
ID_242	Compensated absence rate due to illness per health worker, by cadre												WHO NHWA Definition		

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ID_243	Self-reported absence rate due to illness per health worker, by cadre												WHO/NHWA Definition		
ID_244	Average number of outpatient visits or consultations, per year, by cadre, by facility type												WHO/NHWA Definition		
ID_245	Number of hospital patient bed-days per hospital staff, per year												WHO/NHWA Definition		
ID_246	Average duration of outpatient visits or consultations per doctor, per year, by facility type												WHO/NHWA Definition		
ID_247	Count of procedures involving wrong patient or wrong body parts														Quality indicator Definition
ID_248	Count of incidents where Haemolytic blood transfusion reactions have occurred due to ABO incompatibility														Quality indicator Definition
ID_249	Rate of selected reported Adverse Incidents (level 13- as in the attached guidance) out of all persons bed days/1000														Quality indicator Definition
ID_250	Rate of Surgical Site Infection (SSI) for selected procedures														Quality indicator Definition
ID_251	Rate of Perioperative Pulmonary Embolism or Deep Vein Thrombosis														Quality indicator Definition
ID_252	Count of healthcare acquired MDRO infection/colonization in all inpatients														Quality indicator Definition
ID_253	Rate of unplanned readmission for planned Hernia Repair														Quality indicator Definition

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ID_254	Rate of unplanned readmission for planned primary Knee Replacement														Quality indicator Definition
ID_255	Rate of unplanned readmission for unplanned Pneumonia														Quality indicator Definition
ID_256	Rate of unplanned readmission for unplanned Urinary Tract Infection (UTI)														Quality indicator Definition
ID_257	Count of Cardiopulmonary arrests outside critical care area in a given period														Quality indicator Definition
ID_258	Rate of Falls resulting in any injury per 1000 person bed days (patient days)														Quality indicator Definition
ID_259	Rate of hospital acquired or worsening Ulcers (Stage II and above) per 1000 person bed days (inpatient patient days)														Quality indicator Definition
ID_260	Rate of unplanned readmissions for unplanned Heart Failure														Quality indicator Definition
ID_261	Rate of unplanned readmission for unplanned Appendectomy														Quality indicator Definition
ID_262	CAUTI rate per 1000 device days (all inpatients)														Quality indicator Definition
ID_263	CLABSI Rate per 1000 Central Line-Days (all inpatients)														Quality indicator Definition
ID_264	Surgical Site Infection (SSI) per 100 Appendectomy procedures														Quality indicator Definition

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ID_265	Emergency primary Caesarian Section rate														Quality indicator Definition
ID_266	Elective primary Caesarian Section rate														Quality indicator Definition
ID_267	Surgical Site Infection (SSI) per 100 emergency Caesarian Section														Quality indicator Definition
ID_268	Surgical Site Infection (SSI) Per 100 elective Caesarian Section														Quality indicator Definition
ID_269	Perinatal Mortality rate per 1000 births														Quality indicator Definition
ID_270	Perinatal Mortality - corrected rate per 1000 births														Quality indicator Definition
ID_271	Neonatal Mortality - corrected rate per 1000 births														Quality indicator Definition

