World Health Organization

Unit 3

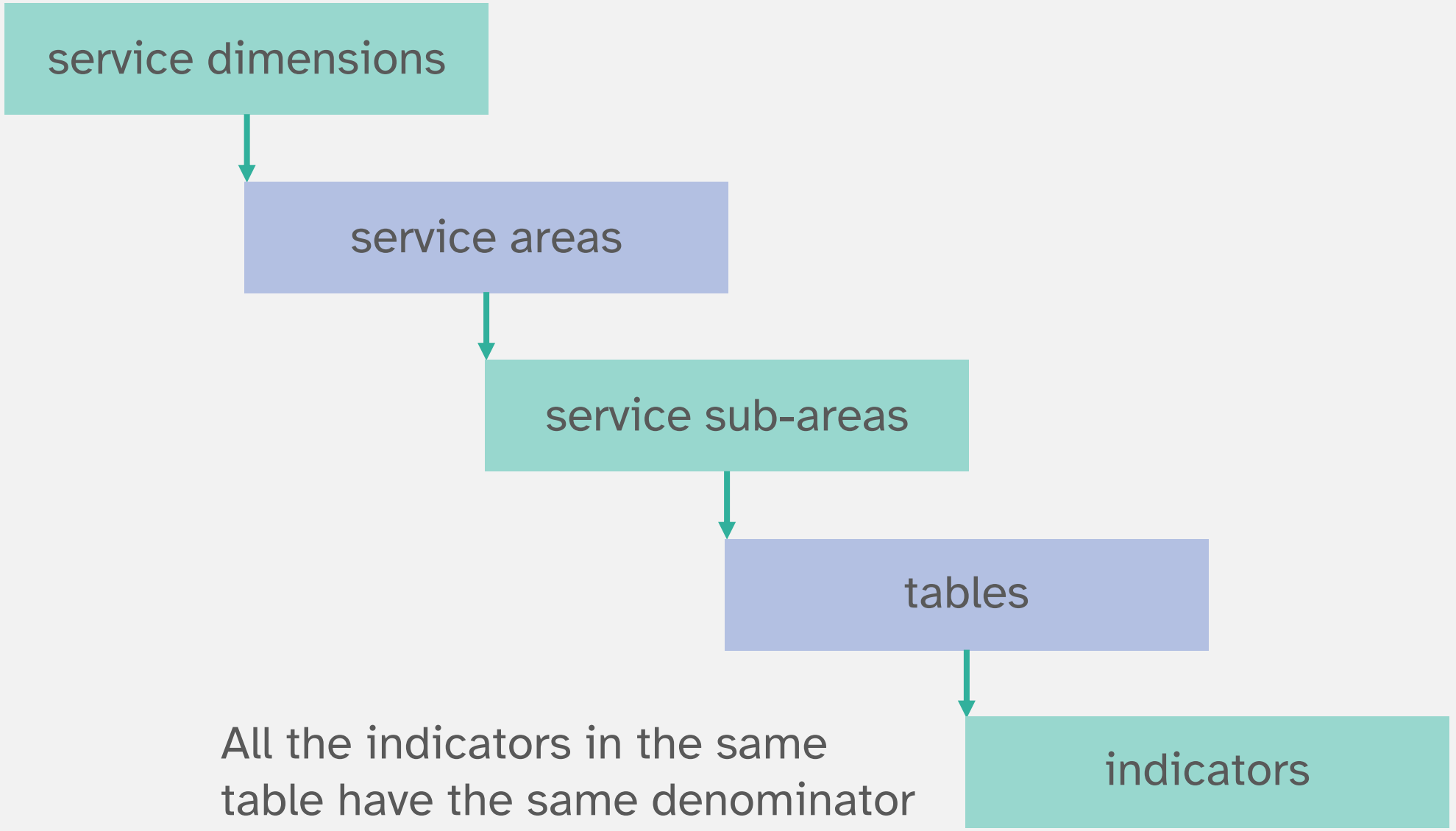
HHFA types of indicators

World Health Organization

By the end of this unit, you will:

- describe the main types of HHFA indicators
- identify to which type an indicator belongs

HHFA indicators



All the indicators in the same table have the same denominator

HHFA most common indicators: percentages and indices

Percentage:

- relationship of the numerator to the denominator where the **numerator is included in the denominator**

Index:

- **summary** indicator
- most of the HHFA indices are a **mean** (an average of a set of values)

HHFA percentage indicators

Percentage of facilities that:

- offer a certain service
- have a certain item available
- have a certain system/condition in place

Percentage facilities **offering a specific service** that:

- have a certain item available
- have a certain system/condition in place

Dimension: Service-specific availability and readiness

Service-specific availability and readiness

Service-specific availability:

- the specific services (and sub-services) offered across ALL the surveyed facilities
- **e.g.** % of facilities offering family planning services

Service-specific readiness:

- the capacity to deliver the service by checking trained staff, guidelines, equipment, diagnostics, medicines and commodities, across the surveyed FACILITIES THAT OFFER THIS SPECIFIC SERVICE
- **e.g.** % of facilities offering family planning services with staff trained in family planning

HHFA percentage indicators

Table denominator:
All facilities

Table 3.1.2.1. Antenatal care service availability

Indicator 3.1.2.1.1. Percentage of facilities offering any antenatal care services

Indicator 3.1.2.1.2. Percentage of facilities offering iron supplementation

Indicator 3.1.2.1.3. Percentage of facilities offering folic acid supplementation

Indicator 3.1.2.1.4. Percentage of facilities offering tetanus toxoid vaccination

Numerator of 1st indicator:
Number of facilities offering any antenatal care services

Table denominator:
Number of facilities offering any antenatal care services

Table 3.1.2.2. Antenatal care service readiness

Indicator 3.1.2.2.1. Percentage of facilities offering ANC services with ANC guidelines

Indicator 3.1.2.2.2. Percentage of facilities offering ANC services with ANC check-lists or job-aids

Indicator 3.1.2.2.3. Percentage of facilities offering ANC services with national guidelines on IPTp

Indicator 3.1.2.2.4. Percentage of facilities offering ANC services with IPTp checklists or job-aids

HHFA indices

Tabulation Item

Area 2.2. Basic equipment

Sub-Area 2.2.1. Basic equipment in main service area of facility

Table 2.2.1.1. Basic equipment in main service area of facility

Indicator 2.2.1.1.1. Percentage of facilities with thermometer

Indicator 2.2.1.1.2. Percentage of facilities with stethoscope

Indicator 2.2.1.1.3. Percentage of facilities with blood pressure apparatus

Indicator 2.2.1.1.4. Percentage of facilities with pulse oximeter

Indicator 2.2.1.1.5. Percentage of facilities with examination light

Indicator 2.2.1.1.6. Percentage of facilities with otoscope

Indicator 2.2.1.1.7. Percentage of facilities with ophthalmoscope

Indicator 2.2.1.1.8. Percentage of facilities with adult weighing scale

Indicator 2.2.1.1.9. Percentage of facilities with child weighing scale

Indicator 2.2.1.1.10. Percentage of facilities with infant weighing scale

Indicator 2.2.1.1.11. Percentage of facilities with measuring tape

Indicator 2.2.1.1.12. Percentage of facilities with height board/ stadiometer

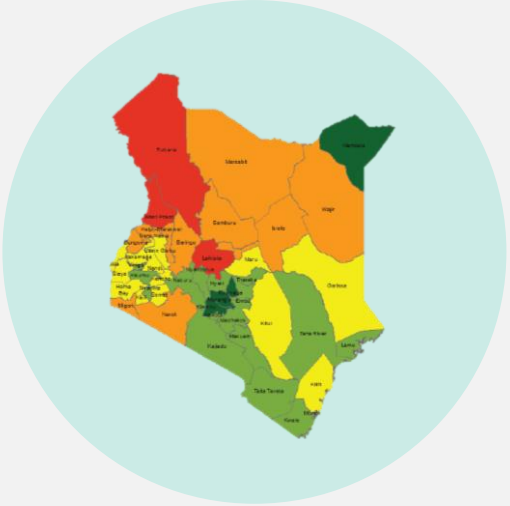
Indicator 2.2.1.1.13. Basic equipment in main service area of facility: mean percentage of items at facilities

Indicator 2.2.1.1.14. Basic equipment in main service area of facility: percentage of facilities with all items

HHFA indices

Indices are useful for:

gaining a quick overview of a situation



comparing subnational areas

assessing changes over time

HHFA indices are calculated as **unweighted** means

HHFA indices: overall readiness index

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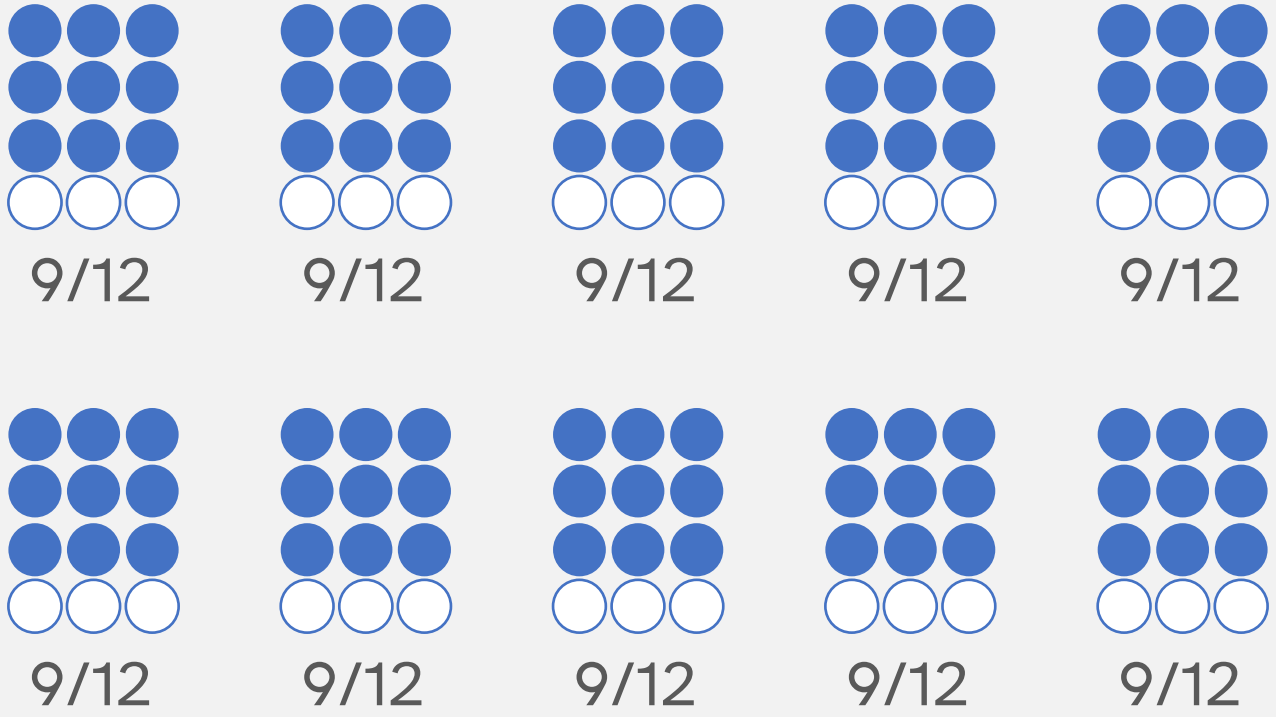
Indicator 2.2.1.1.12. Percentage of facilities with height board/ stadiometer

Indicator 2.2.1.1.13. Basic equipment in main service area of facility: mean percentage of items at facilities ← Readiness index

Indicator 2.2.1.1.14. Basic equipment in main service area of facility: percentage of facilities with all items

HHFA indices: overall readiness index



OVERALL READINESS INDEX

= ((9/12 + 9/12 + 9/12 + 9/12 + 9/12 + 9/12 + 9/12 + 9/12 + 9/12 + 9/12)/10) x 100 =

((90/12)/10) x 100=

(7.5/10) x 100 =

0.75 x 100 =

75%

HHFA indices: all items index

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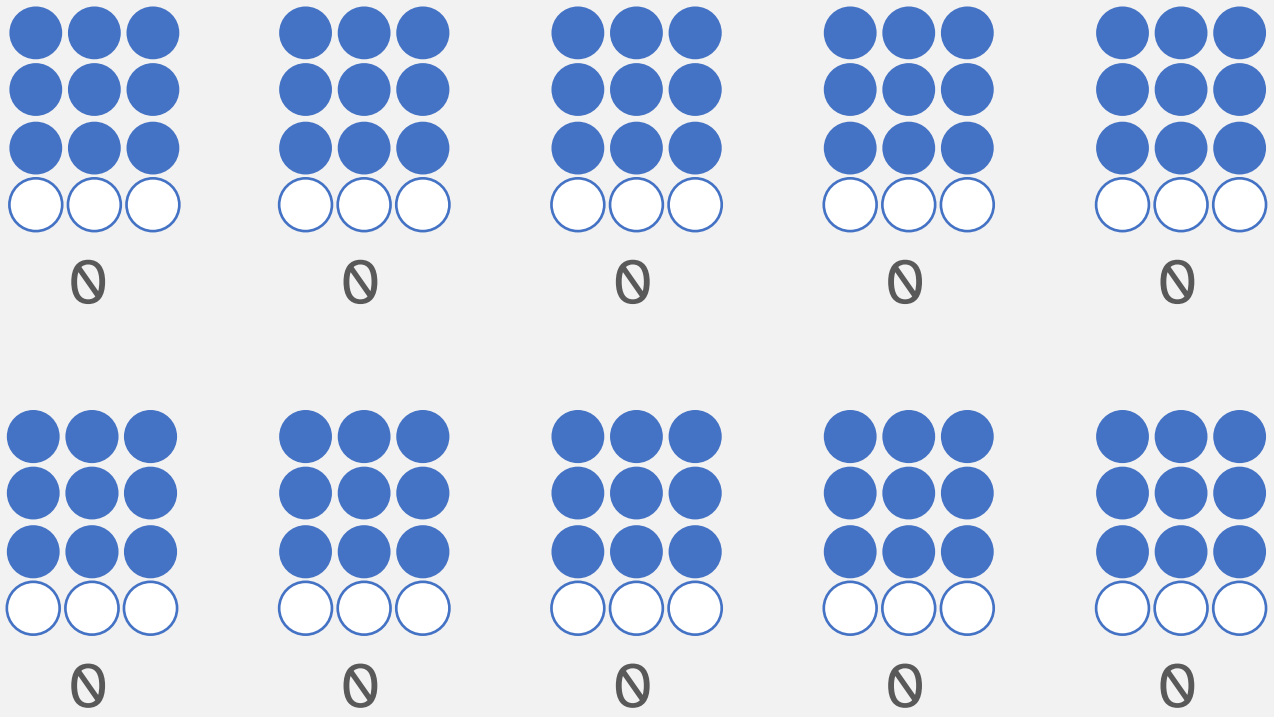
Indicator 2.2.1.1.11. Percentage of facilities with measuring tape

Indicator 2.2.1.1.12. Percentage of facilities with height board/ stadiometer

Indicator 2.2.1.1.13. Basic equipment in main service area of facility: mean percentage of items at facilities

Indicator 2.2.1.1.14. Basic equipment in main service area of facility: percentage of facilities with all items ← “All items” index

HHFA indices: all items index



ALL ITEMS INDEX
= 0/10 X 100
0%

HHFA indices: overall readiness and all items indices

Tabulation Item

Area 2.2. Basic equipment

Sub-Area 2.2.1. Basic equipment in main service area of facility

Table 2.2.1.1. Basic equipment in main service area of facility

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Indicator 2.2.1.1.12. Percentage of facilities with height board/ stadiometer

Indicator 2.2.1.1.13. Basic equipment in main service area of facility: mean percentage of items at facilities ← Readiness index

Indicator 2.2.1.1.14. Basic equipment in main service area of facility: percentage of facilities with all items ← "All items" index

HHFA indices: domain indices

Table 3.3.2.2. Diabetes service readiness

Indicator 3.3.2.2.1.	Percentage of facilities offering diabetes services with guidelines for diabetes diagnosis and treatment
Indicator 3.3.2.2.2.	Percentage of facilities offering diabetes services with staff trained in diabetes diagnosis and treatment
Indicator 3.3.2.2.3.	Percentage of facilities offering diabetes services with blood pressure apparatus
Indicator 3.3.2.2.4.	Percentage of facilities offering diabetes services with adult weighing scale
Indicator 3.3.2.2.5.	Percentage of facilities offering diabetes services with measuring tape or height board
Indicator 3.3.2.2.6.	Percentage of facilities offering diabetes services with blood glucose test
Indicator 3.3.2.2.7.	Percentage of facilities offering diabetes services with urine dipstick - protein
Indicator 3.3.2.2.8.	Percentage of facilities offering diabetes services with urine dipstick - ketones
Indicator 3.3.2.2.9.	Percentage of facilities offering diabetes services with metformin tab/cap
Indicator 3.3.2.2.10.	Percentage of facilities offering diabetes services with gliclazide or other sulphonylurea tab/cap
Indicator 3.3.2.2.11.	Percentage of facilities offering diabetes services with insulin regular injectable
Indicator 3.3.2.2.12.	Percentage of facilities offering diabetes services with glucose 50% injectable
Indicator 3.3.2.2.13.	Diabetes service readiness: mean percentage of staff and guidelines items at facilities
Indicator 3.3.2.2.14.	Diabetes service readiness: mean percentage of equipment items at facilities
Indicator 3.3.2.2.15.	Diabetes service readiness: mean percentage of diagnostics items at facilities
Indicator 3.3.2.2.16.	Diabetes service readiness: mean percentage of medicines and commodities items at facilities
Indicator 3.3.2.2.17.	Diabetes service readiness: mean percentage of all items at facilities
Indicator 3.3.2.2.18.	Diabetes service readiness: percentage of facilities with all items

Staff and guidelines indicators

Equipment indicators

Diagnostics indicators

Medicines and commodities indicators

Domain index

Domain index

Domain index

Domain index

Not every service-specific readiness table will contain all 4 domains.

HHFA indices: domain indices

4/4 3/4 3/4 3/4 3/4

2/4 2/4 1/4 1/4 0/4

DOMAIN INDEX

= ((4/4 + 3/4 + 3/4 + 3/4 + 3/4 + 2/4 + 2/4 + 1/4 + 1/4 + 0/4)/10) x 100 =

((22/4)/10) x 100 =

(5.5/10) x 100 =

0.55 x 100 =

55%

HHFA indices: general service readiness index

Dimension 1. General service availability

Dimension 2. General service readiness

Area 2.1. Basic amenities

Area 2.2. Basic equipment

Area 2.3. Basic diagnostic capacity (laboratory)

Area 2.4. Essential medicines and commodities

Area 2.5. Standard precautions for infection prevention

Area 2.6. General service readiness index

Sub-Area 2.6.1. General service readiness index

Table 2.6.1.1. General service readiness index

Indicator 2.6.1.1.1. General service readiness index

General service readiness index

Permanent ID	AVQ	
Dimension	2.	General service readiness
Area	2.6.	General service readiness index
Sub-Area	2.6.1.	General service readiness index
Table	2.6.1.1.	General service readiness index
Indicator	2.6.1.1.1.	General service readiness index

Detailed indicator definition

Unweighted average of the five indices: basic amenities, basic equipment, standard precautions for infection prevention, diagnostic capacity, essential medicines

Modules

→ Readiness: Core

Attributes

✓ SARA indicator

Calculation methodology

This indicator is calculated as the average of the mean index indicators in the following five tables: 2.1.1.1., 2.2.1.1., 2.3.1.1., 2.4.1.1., and 2.5.1.1.

HHFA other indicator types: counts and ratios

The HHFA includes other indicator types: counts and ratios.

Count:

- **total number of items**
- simple counts
- e.g. total number of inpatient beds

Ratio:

- **number of items per population**
- relationship of the numerator to the denominator where the **numerator is NOT included in the denominator**
- e.g. health facility density, bed density, workforce density
- used only when HHFA conducted as a census

Summary

- The most common HHFA indicators are **percentages** and **indices**
- A **percentage** describes the relationship of the numerator to the denominator where the **numerator is included in the denominator**
- All the indicators in the same indicator table in the inventory platform have the same denominator
- An **index** is a type of indicator that is used to summarize a group of indicators
- There are **other HHFA indicator types**: counts and ratios

World Health Organization

You have now completed Unit 3.

In the next unit, we will look at the functions of the HHFA indicator inventory platform.

First, try the practice exercise.