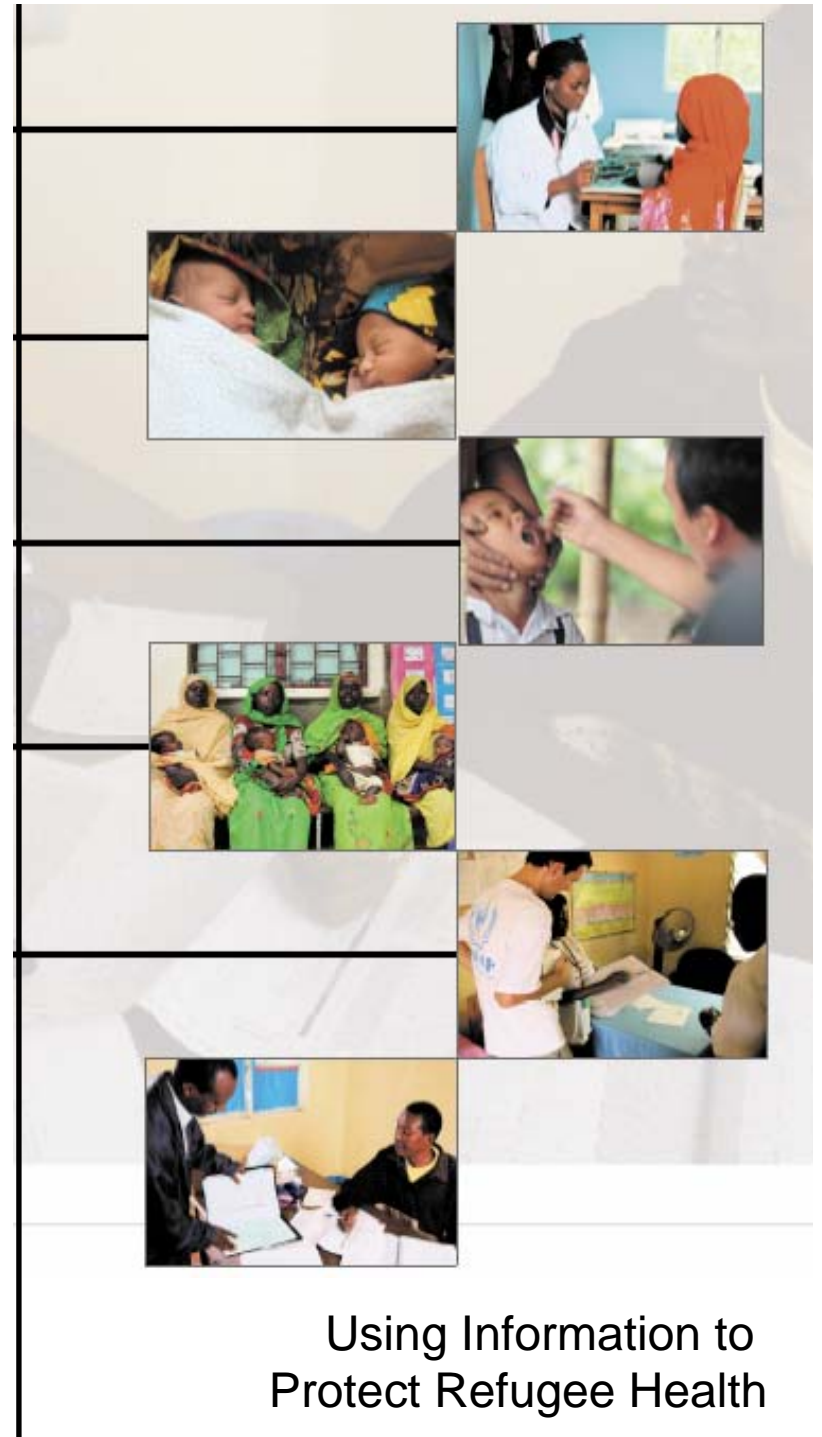


Health Information System (HIS)

Module 1 - Population



Using Information to
Protect Refugee Health



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Learning Objectives

At the end of the module, you should be able to:

- **Understand methods of collecting and reporting population data**
- **Understand use and limitations of population data in indicator calculation**



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Tools and Guidelines

- >1 What are the tools used for data collection?
- >2 Who is responsible for collecting the data?
- >3 What data should be collected and how?
- >4 How and when should the data be reported?
- >5 How should the data be interpreted and used?



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

>1 What are the tools used for data collection?

- No single source available
- Birth and death registers
- In and out migration
- Specific disaggregation needs



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Health Information System (HIS)
Slide 4

>2 Who is responsible for collecting the data?

- Important to agree on common source
- Recommended source is UNHCR proGres database
- Responsibility of each partner to request each month

>3 What data should be collected and how?

- Critical uses of population in HIS:
 - **Denominators for rates**
 - **Protection requirement**
 - **Target population for interventions**
 - **Sampling frame for surveys**
 - **Resource needs**

- Importance of denominator in the calculation of rates



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Rate

- A rate requires a:
 - Numerator (number of events)
 - Multiplier (power of 10)
 - Denominator (population)

and importantly

- Time period (days, weeks, months, years)



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Rate

1. Numerator

2. Time period

4. Multiplier

6 deaths in 1 month

x

1000

34 632

3. Denominator (population)

CMR = 0.17 deaths / 1000 population / month



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Health Information System (HIS)

Slide 8

Three Important Groups of Rates

1. **Mortality Rates:** measure rate of death
2. **Morbidity Rates:** measure rate of illness
3. **Natality Rates:** measure rate of birth



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Importance of the Denominator

The population figure (denominator) must:

- relate to same time period as the event (numerator)

and

- relate to the same population as the event (numerator)



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Rate

1. Numerator

2. Time period

4. Multiplier

10 under 5 deaths in 1 month

x

1000

6 926

Refers to under fives only

3. Denominator (Population)

U5MR = 1.44 deaths / 1000 population / month



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Health Information System (HIS)

Slide 11

Rate

1. Numerator

2. Time period

4. Multiplier

4 male deaths in 1 month

x

1000

16 970

Refers to males only

3. Denominator (Population)

Male CMR = 0.23 deaths / 1000 population / month



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Health Information System (HIS)

Slide 12

Denominator requirements for HIS

- Total population (Male/Female)
- 0 - 1 year (Male/Female)
- 0 - 5 years (Male/Female)

- Pregnant and Lactating
- Women 15-49 years (CBA)

Population denominators

Often follow a standard age distribution:

■ 0 - 1 year	4%
■ 0 - 5 years	20%
■ Male : Female	49% : 51%
■ Pregnant and Lactating women	4%
■ Women aged 15-49	20%



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

>4 How and when should the data be reported?

- Health Coordinator to request up-to-date population figures from UNHCR proGres database on 15th of each month
- Responsibility of UNHCR to make figures are accurate and made available on-time
- Emphasises need to coordinate closely with UNHCR Protection and IT staff at field level



UNHCR

United Nations High Commissioner for Refugees
Haut Commissariat des Nations Unies pour les réfugiés

Legend:

White Box:	Enter Data
Grey Box:	Total
Orange Box:	Indicator

This worksheet is locked to preserve the formulas that calculate your results. To unlock the worksheet, go to the Tools menu, select Protection, then choose Unprotect Sheet. This sheet does not use a password.

Health Information System v1.2.0

Monthly Reporting Form

Select Country

Thailand

Select Language

English

1.1 General Information

Name of Organisation	Select Name	Current Month	Select Month
Name of Camp	Select Camp	Current Year	Select Year
Name of Health Coordinator:		Email Address	

1.2 Population

Age	Male	Female	Total	% estimate
a. Total Population			0	
b. Number of live births			0	
c. Number of infants < 1 year			0	
d. Number of children < 5 years			0	
e. Number of females 15 - 49 years		0		20
f. Number of preg and lact women		0		4

Population Source	Select Population Source
--------------------------	--------------------------