

# Vital Statistics for Deaths

Training Workshop on CRVS

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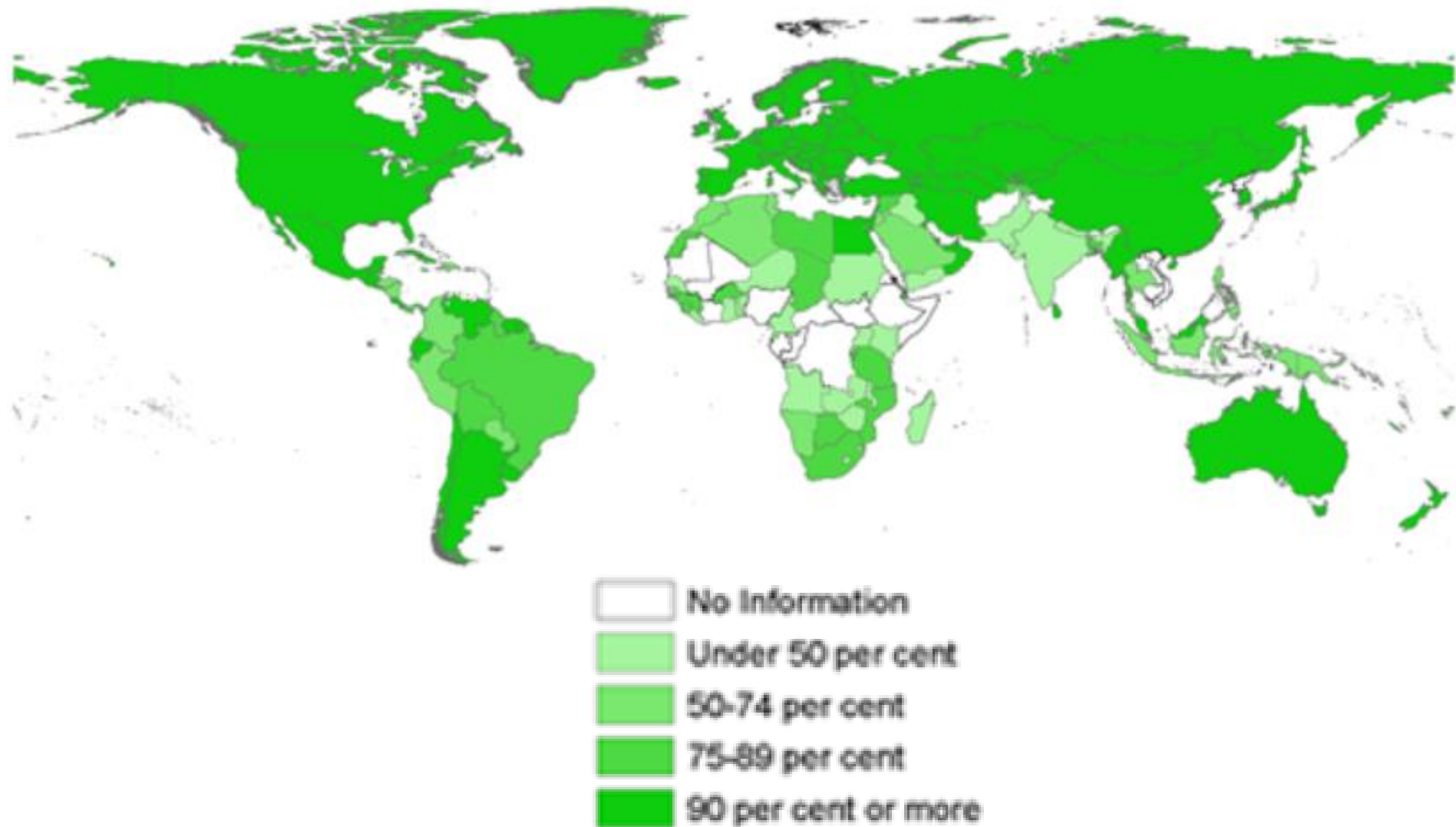
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## What are the possible data sources on mortality?

- Censuses?
- Sample surveys?
- Civil registration!
- (Population registers)

## CRVS: Deaths

- 57% of countries register at least 90% of deaths
- 85 countries produce high-quality COD data



# Why is registration of deaths important?

- Death certificate
  - Inheritance
  - Remarriage
  - Burials
- Statistics on population growth, size and distribution
- Monitoring diseases, including epidemics
- Planning for health
- Mortality an essential indicator of living conditions

# Sustainable Development Goals (UN Sept. 2015)

Best data source: CRVS

- 3.1 By 2030 reduce the global **maternal mortality ratio** to less than 70 per 100,000 live births
- 3.2 By 2030 end preventable **deaths of newborns and children under 5** ... and reduce
  - **neonatal mortality** to below 12 per 1,000 live births
  - **under-5 mortality** to below 25 per 1,000 live births
- 3.3 By 2030 end the **epidemics** of AIDS, tuberculosis, malaria ...
- 3.4 By 2030 reduce by one third premature **mortality from non-communicable diseases** ...
- 3.6 By 2020 halve the number of global **deaths ... from road traffic accidents**
- 3.9 By 2030 substantially reduce the number of deaths ... from hazardous chemicals ...
- 16.1 Reduce all forms of violence and related death rates
- 16.9 By 2030 provide legal identity for all, including **birth registration**

# Key death registration variables, according to UN P&R

## **(i) *Characteristics of the event***

Date of occurrence

Date of registration

Place of occurrence

Locality of occurrence

Urban/rural occurrence

Place of registration

Cause of death

Certifier

Type of certification

Type of place of occurrence (hospital, home, etc.)

Sex

# Key death registration variables

## ***(ii) Characteristics of the decedent***

Date of birth

Age

Sex

Marital status

Place of usual residence

Place of usual residence of the mother (for deaths under 1 year of age)

Locality of residence

Urban/rural residence

## ***(iii) Characteristics of population at risk***

# Key death registration variables

## Foetal death

### *(i) Characteristics of the event*

Date of occurrence (of foetal delivery)

Date of registration

Place of occurrence

Locality of occurrence

Urban/rural occurrence

Place of registration

### *(ii) Characteristics of the foetus*

Sex



## **Foetal death, contd.**

### ***(iii) Characteristics of the mother***

Date of birth

Age

Children born alive to mother during her entire lifetime

Birth order or parity

Foetal deaths to mother during her entire lifetime

Date of last previous live birth

Interval since last previous live birth

Date of marriage

Duration of marriage

Place of usual residence

Locality of residence

Urban/rural residence

### ***(iv) Characteristics of the father***

Date of birth

Age

Place of usual residence

Locality of residence

Urban/rural residence

# Tables on deaths recommended by P&R

DE-1 Deaths by place of usual residence and sex of decedent

DE-2 Deaths by place of occurrence and place of usual residence and sex of decedent

DE-3 Deaths by month and place of occurrence and place of usual residence of decedent

DE-4 Deaths by place of registration, month of occurrence and month of registration

DE-5 Deaths by place of occurrence and site of occurrence\*

\* hospital, other institution, at home, or other place (prison, custodial care facility, trains, airplanes, ships, automobiles and public byways, such as roads and sidewalks, ....)

DE-6 Deaths by place of usual residence, age and sex of decedent

DE-7 Deaths by age, sex, place of usual residence and marital status of decedent

DE-8 Deaths by place of usual residence, age, sex and **educational attainment of decedent**

DE-9 Deaths by sex, **cause of death**, place of usual residence and age of decedent

DE-10 Deaths by month of occurrence and **cause of death**

DE-11 Deaths by place of occurrence, sex of decedent and type of certification\*

\* physician, medical practitioner, coroner, medical-legal authority, midwife, nurse or layperson

DE-12 Maternal deaths by **cause of death** and age of woman

DE-13 Deaths by age and **type of usual activity of decedent**

# Vital Statistics on Deaths

- Time series for the country
- Regional divisions
- Age and gender
- Month
- Place of occurrence
- Place of usual residence of decedent
- (Place of registration)
- Type of institution
- Cause of death
- Maternal deaths

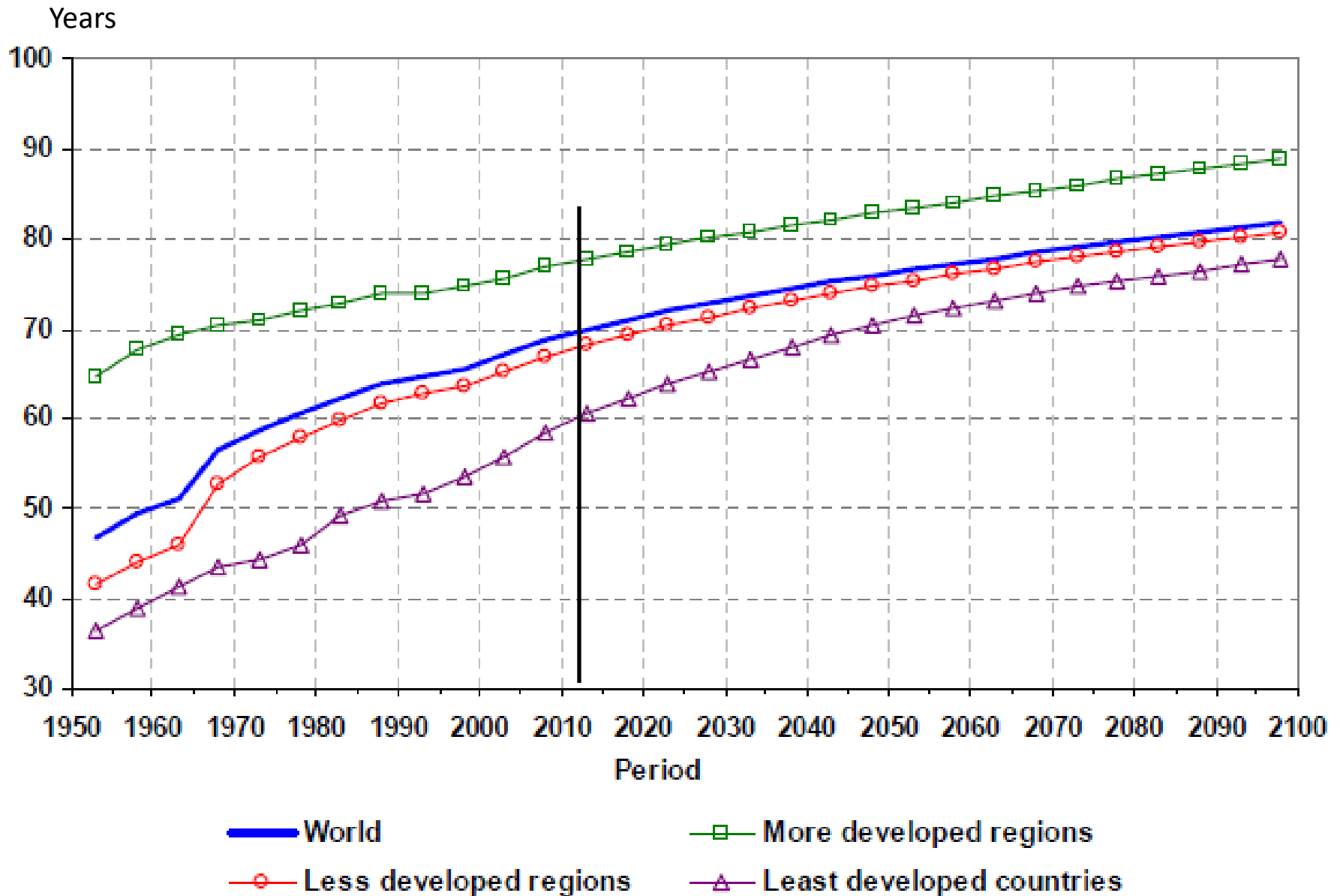
# Registered deaths by age and gender, 201x

	Total	Male	Female
Age			
- Neonatal (< 7 days)			
- Late neotatal (7-28 days)			
- Post neonatal (28-265 days)			
0			
1-4			
5-9			
10-14			
15-19			
20-24			
...			
...			
95-99			
100+			
Not known			
Total			

# Registered deaths by month of death, 201x

	Total	Male	Female
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
Not known			
Total			

# Life expectancy at birth for development groups



Questions or comments?