Vital Statistics for Deaths

Training Workshop on CRVS

ESCAP, Bangkok
9-13 January 2016

Helge Brunborg
Statistics Norway
Helge.Brunborg@gmail.com
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
<table>
<thead>
<tr>
<th>Age</th>
<th>Total</th>
<th>Male</th>
<th>Female</th>
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</thead>
<tbody>
<tr>
<td>- Neonatal (&lt; 7 days)</td>
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<td>- Late neotatal (7-28 days)</td>
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<td>- Post neonatal (28-265 days)</td>
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<td>Total</td>
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</table>
## Registered deaths by month of death, 201x

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<th>Total</th>
<th>Male</th>
<th>Female</th>
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<td>Total</td>
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</table>
Life expectancy at birth for development groups

Years

Period


World
More developed regions
Less developed regions
Least developed countries
Questions or comments?