1 Explanation of terms

Early neonatal mortality : death in less than 1 week (7 days) of birth

Foetal death : birth of a stillborn baby after 12 completed weeks of gestation

Perinatal mortality : foetal death of 22 completed weeks of gestation and after, and early neonatal deaths

2 Explanation of rates

1) Natality

• Live birth rate

Live birth rate by employment status and occupation (and age group) of father (mother)

$$= \frac{\text{Live births by employment status and occupation (and age group) of father (mother)}}{\text{Population by sex, employment status and occupation (and age group)}} \times 1{,}000$$

• Age-standardized live birth rate

Age-standardized live birth rate by employment status and occupation of father (mother)

$$= \frac{\Sigma\left[\begin{array}{c}\text{Live birth rate by employment status and occupation and age group of father (mother)} \\ \times \text{ Population in the relevant age group of the standard population}\end{array}\right]}{\text{Total standard population of 15 years of age and over}}$$

2) Deaths

• General Mortality

Death rate by sex, employment status and occupation (industry) (and age group)

$$= \frac{\text{Number of deaths by sex, employment status and occupation (industry) (and age group)}}{\text{Population by sex, employment status and occupation (industry) (and age group)}} \times 1{,}000$$

• Age-adjusted death rate

Age-adjusted death rate by sex, employment status and occupation (industry)

$$= \frac{\Sigma\left[\begin{array}{c}\text{Death rate by sex, employment status and occupation (industry) and age group} \\ \times \text{Population in the relevant age group of the standard population}\end{array}\right]}{\text{Total standard population of 15 years of age and over}}$$

3) Foetal mortality

• Foetal death rate

Total births = live births + foetal deaths

Foetal death rate by employment status and occupation of father (mother)

$$= \frac{\text{Foetal deaths by employment status and occupation of father (mother)}}{\text{Total births by employment status and occupation of father (mother)}} \times 1{,}000$$

4) Perinatal mortality

• Perinatal death rate

Perinatal death rate by employment status and occupation of father (mother)

$$= \frac{\text{Perinatal deaths by employment status and occupation of father (mother)}}{\text{Live births by employment status and occupation of father (mother)} + \text{Foetal deaths at 22 completed weeks and over of gestation by employment status and occupation of father (mother)}} \times 1{,}000$$

Early neonatal death rate by employment status and occupation of father (mother)

$$= \frac{\text{Number of early neonatal deaths by employment status and occupation of father (mother)}}{\text{Live births by employment status and occupation of father (mother)}} \times 1{,}000$$

5) Marriages

• Marriage rate

Marriage rate by employment status and occupation (and age group) of groom (bride)

$$= \frac{\text{Marriages by employment status and occupation (and age group) of groom (bride)}}{\text{Population by sex, employment status and occupation (and age group)}} \times 1{,}000$$

• Marriage rate for unmarried population

Marriage rate for unmarried population by employment status and occupation (and age group) of groom (bride)

$$= \frac{\text{Marriages by employment status and occupation (and age group) of groom(bride)}}{\text{Unmarried population by sex, employment status and occupation (and age group)}} \times 1{,}000$$

• Age-standardized marriage rate

Age-standardized marriage rate by employment status and occupation of groom (bride)

$$= \frac{\Sigma\left[\begin{array}{c}\text{Marriage rate by employment status and occupation and age group of groom (bride)} \\ \times\text{Population of the relevant age group of the standard population}\end{array}\right]}{\text{Total standard population of 15 years of age and over}}$$

• Age-standardized marriage rate for unmarried population

Age-standardized marriage rate for unmarried population by employment status and occupation of groom (bride)

$$= \frac{\Sigma\left[\begin{array}{c}\text{Age-standardized marriage rate for unmarried population by employment status and occupation and age group of groom (bride)} \\ \times\text{Population of the relevant age group of the standard population}\end{array}\right]}{\text{Total standard population of 15 years of age and over}}$$

6) Divorces

• Divorce rate

Divorce rate by employment status and occupation (and age group) of husband (wife)

$$= \frac{\text{Divorces by employment status and occupation (and age group) of husband (wife)}}{\text{Population by sex, employment status and occupation (and age group)}} \times 1{,}000$$

• Divorce rate for married population

Divorce rate for married population by employment status and occupation (and age group) of husband (wife)

$$= \frac{\text{Divorces rate by employment status and occupation (and age group) of husband (wife)}}{\text{Married population by sex, employment status and occupation (and age group)}} \times 1{,}000$$

• Age-standardized divorce rate

Age-standardized divorce rate by employment status and occupation of husband (wife)

$$= \frac{\Sigma\left[\begin{array}{c}\text{Divorce rate by employment status and occupation and age group of husband (wife)} \\ \times\text{Population in the relevant age group of the standard population}\end{array}\right]}{\text{Total standard population of 15 years of age and over}}$$

• Age-standardized divorce rates for married population

Age-standardized divorce rates for married population by employment status and occupation of husband (wife)

$$= \frac{\Sigma\left[\begin{array}{c}\text{Divorce rate for married population by employment status and occupation and age group of husband (wife)} \\ \times\text{Population in the relevant age group of the standard population}\end{array}\right]}{\text{Total standard population of 15 years of age and over}}$$

Note: Fathers in natality, foetal and perinatal natality are limited to children (dead fetuses) born in wedlock.