

## 1. POPULATION, FAMILIES AND HOUSEHOLDS

The basis of information on the demographic structure of the population and its changes lies in periodic **population and housing censuses** the last of which took place as at 26 March 2011. Data found in censuses are followed by intercensal **statistical population balances** and annually processed **statistics on marriages, divorces, births, deaths, abortions, and migration**. They result from the processing of statistical reports on marriages, births, and deaths provided by registries and from processing of data taken over from other information systems. Since 2007 the Information System of the Ministry of Justice of the CR is the source of data on divorces (before 2007 the statistics was based on processing of reports on divorce). The data on abortions are provided to the Czech Statistical Office by the Institute of Health Information and Statistics of the CR. The data on migration are taken by the CZSO from information systems of the Directorate of Alien Police Service and the Ministry of the Interior of the CR since 2001 (migration of foreigners) and 2005 in an electronic form from information systems of the Directorate of Alien Police Service and the Ministry of the Interior of the CR (before 2005 the statistics was based on processing of reports on migration). Data on the number of foreigners with residence permit granted are taken over from the Directorate of Alien Police Service and from the Department for Asylum and Migration Policy of the Ministry of the Interior of the Czech Republic.

### Births

**Number of children born** (live-born, stillborn) is obtained by summarization of individual statistical reports on births. It does not include children born during secret childbirths (including found children) pursuant to the Act No. 20/1966 Sb., on public health care, as amended by the Act No. 422/2004 Sb.

Pursuant to the Regulation of the Ministry of Health of the CSR No. 11/1988, on mandatory notifications of terminated pregnancies, death of a child, and death of the mother, which was repealed on 1 April 2012 by the Act No. 372/2011 Sb., on health services, a **live-born child** is a foetus that after delivery shows at least one sign of life and whose birth weight is 500 g or more or below 500 g provided that it has survived 24 hours after the delivery. Signs of life are breathing, beating of the heart, pulsation of the umbilical cord, and movement of voluntary muscles.

A **stillborn child** is a foetus showing no sign of life and its birth weight is 1 000 g or more.

The legislation valid now (as at the date of the publication release) does not include general definitions of the terms "delivery of a live-born child" and "delivery of a stillborn child". These definitions together with all cases of abortions are mentioned only in the guidelines for filling in the "Death certificate (Report on examination of the deceased person)" in the respective regulation, namely for the needs of filling in of the Death certificate (Report on examination of the deceased person). A stillborn child is also defined in the Commission Regulation (EU) implementing Regulation (EC) of the European Parliament and of the Council on Community statistics on public health and safety at work, as regards statistics on causes of death, namely for the purposes of the Regulation.

### Abortions

In demographic statistics, **abortions** are premature terminations of pregnancies classified by a doctor as termination of pregnancy by abortion. Pursuant to the Regulation of the Ministry of Health of the CSR No. 11/1988, on mandatory notifications of terminated pregnancies, death of a child, and death of the mother, which was repealed on 1 April 2012 by the Act No. 372/2011 Sb., on health services, an abortion is a **termination of pregnancy in a woman, at which:**

- a) the foetus shows no sign of life and its birth weight is below 1 000 g or, provided that it cannot be measured, if the pregnancy has been shorter than 28 weeks,
- b) the foetus shows at least one sign of life and its birth weight is below 500 g, but it has not lived longer than 24 hours after the delivery,
- c) a gestational sack without a foetus or gestational tissue were extracted from a woman's uterus.

Cases of termination of ectopic pregnancy or induced abortions carried out as stipulated in special regulations are also considered as abortions.

Existing legal regulations (the Act No. 372/2011 Sb., on health services) define only a **foetus after abortion**, which is a foetus that after the complete expulsion or extraction from its mother shows none of the signs of life and at the same time its birth weight is lower than 500 g and provided that the weight cannot be measured, if the pregnancy lasted less than 22 weeks. Abortions are dealt with in two chapters – "Population, families and households" and "Health". In the part "Population" the number of abortions and total abortion rate are processed, chapter Health pays special attention to respective types of abortions (spontaneous abortions, induced abortions, and terminated ectopic pregnancies).

## **Age-specific reproduction rates**

**Age-specific fertility rate:** the number of live-born children to women of a given age per 1 000 mid-year population of women of the same age.

**Total fertility rate** (the sum of age-specific fertility rates): the average number of children that would be born alive to a woman provided that age-specific fertility rates recorded in a reference calendar year would remain unchanged during her childbearing period (age 15–49 years).

**Gross reproduction rate:** the average number of daughters that would be born alive to a woman provided that age-specific fertility rates recorded in a reference calendar year would remain unchanged during her childbearing period (age 15–49 years).

**Net reproduction rate:** the average number of daughters that would be born alive to a woman and would survive until the age of her mother at the time of delivery provided that age-specific fertility and mortality rates recorded in a reference calendar year would remain unchanged during her childbearing period (age 15–49 years). In order to maintain the stationary number of population in the future, the net reproduction rate must be kept at one (1).

**Age-specific abortion rate:** the number of abortions (all types) in women of the given age per 1 000 mid-year population of women of the same age.

**Total abortion rate:** the average number of abortions that a woman in the given population would have during her childbearing period (age 15–49 years) provided that age-specific abortion rates recorded in a reference calendar year would remain unchanged during her childbearing period (age 15–49 years).

**Age-specific pregnancy rate:** the number of all pregnancies (i.e. the sum of live births, stillbirths, and all abortions) in women in the given age per 1 000 women of the same age.

**Total pregnancy rate:** the average number of pregnancies that a woman would have during her childbearing period (age 15–49 years) provided that pregnancy rates (in this case calculated from births, total) and age-specific abortion rates recorded in a reference calendar year would remain unchanged during the entire childbearing period of the woman.

**Contributions of age groups to the difference in life expectancy** between 1992 to 2012 for women and men are calculated on the basis of mortality tables using indicators of life expectancy at birth (by individual years of age) and tabular number of survivors (at exact age).

The sum of contributions of respective age groups gives the difference of life expectancy at birth for women and men between respective years or, in other words, the share by which mortality of a given age group contributed to the difference in life expectancy at birth of women and men between 1992 and 2012.

## **Households and families**

The source of information on households and families is results of the Living Conditions sample survey. The aim of the survey is to acquire representative data on the level and structure of income and on basic social and demographic characteristics of households and their members necessary for the income indicators analysis. The survey takes place every year as a national modification of the Europe-wide survey EU-SILC (European Union – Statistics on Income and Living Conditions). It is carried out as a four-year rotation panel, in which a fourth of households are replaced every year. Published data on income are for the year 2012; other data capture the situation at the moment of the survey in 2013.

Tables 1-24 to 1-32 give results of the “Living Conditions 2013” sample survey.

## **Definitions of indicators in tables from the Living Conditions sample survey**

**Private household** consists of a person or a group of people living in a selected dwelling, who permanently live together and pay together for the basic and operational expenses of the household.

Households were divided to groups by the position of the head of household.

The **head of household** in two-parent families is always a man (husband or common-law husband) irrespective of his economic activity. In determining the head of household in lone-parent families (one parent with children) the economic activity is considered first and only then the amount of financial income of

individual household members. The same rules are applied to more complicated (multi-generation) types of private households.

Basic classification of households by activity status of the **head of household**:

**Households, total** represent the average household in the Czech Republic.

**Employee households:** The head of household is in employment or service relations under employment contract, contract for work, or contract for services.

**Self-employed households:** The head of household is a self-employed person, i.e. a person undertaking independent business in any branch.

**Pensioner households without economically active members:** The head of household receives a pension and does not work either at all or his/her economic activity is very limited. The same condition applies also to other members of the household.

**Unemployed households:** The head of household is an unemployed person irrespective of whether he/she is receiving unemployment benefit or not.

The **dependent child** is a child till the finish of his/her compulsory school attendance and then a child, who is in a systematic schooling or training for his/her future occupation, however, till the age of 26 years, at the latest despite he/she has his/her own income (orphan's pension, scholarship, social benefits, income from short-term work activities) or who is unable to undergo such schooling or training due to adverse mental or physical health condition, or is unable to earn his/her living and not receiving his/her disability pension, yet.

**Working persons** are persons, who were in paid employment (employees) or self-employment (own-account workers, family workers) all the year, or most of the year. This also includes persons who have regular income from employment or self-employment, are studying, receiving pension or parental benefits at the same time. Persons, who were unemployed all the year, or most of the year, are not included.

**Education** is subdivided into four levels: basic, secondary vocational, full secondary, and higher education. Full secondary education includes also secondary vocational with A-level examination and post-A-level education. In accordance with the International Classification of Education (ISCED97) higher professional schools are included in higher education. Higher education, furthermore, encompasses all study programmes of higher education, including bachelor and doctoral study programmes.

**Gross money income** of the household includes income tax and health and social insurance contributions and is net of drawn savings, borrowings, and loans. Gross income from business activity is an economic result (difference between income and expenditure) with deduced social security premium, contributions to the state employment policy, and to public health insurance, if applicable.

**Net money income** of the household is income of all household members after deduction of income tax and contributions to general health and social insurance schemes.

**Equivalent sizes** represent the composition of households calculated by weights of consumption of respective household members. The weights of equivalent sizes, as defined in the OECD equivalence scale, are as follows: first adult in the household = 1.0; any other adult (aged 13+) = 0.7; any child (aged 0–13) = 0.5. The weights of equivalent sizes, as defined in the OECD-modified scale, are as follows: first adult in the household = 1.0; any other adult (aged 13+) = 0.5; any child (aged 0–13) = 0.3.

**Persons at risk of income poverty** (Table 1-34) are persons living in households, equivalised disposable income of which is lower than 60% of the value of the equivalised disposable income median calculated for households in total (i.e. lower than the at-risk-of-poverty threshold). Equivalised disposable income of a household is calculated as household's total disposable income divided by its equivalent sizes (according to the OECD-modified scale). The income calculated like that is then allocated to all persons of the relevant household.

The **education level of a household** is determined by the highest educational attainment of the head of household; in two-parent families the educational attainment of the partner is also taken into account.

- *Low level – head of household has basic education or has no education at all; in two-parent families both the partners have the relevant educational attainment;*
- *Medium level – head of household or, at least, one of the partners has secondary education; none of the partners has higher education;*
- *High level – head of household or, at least, one of the partners has higher education.*

*Published poverty indicators belong to the set of indicators used for evaluation of the at-risk-of-poverty rate.*

***Inequality of income distribution (the income quintile share ratio or the S80/S20 ratio)*** – *the ratio of total income received by the 20% of the population with the highest income (top quintile) to that received by the 20% of the population with the lowest income (lowest quintile). All incomes are compiled as equivalised disposable incomes according to the OECD-modified scale. The higher is the coefficient value the more differentiated income.*

***Relative median at-risk-of-poverty gap*** *is calculated as the difference between the median equivalised disposable income of people below the at-risk-of-poverty threshold and the at-risk-of-poverty threshold, expressed as a percentage of the at-risk-of-poverty threshold (cut-off point: 60% of national median equivalised disposable income). The higher the coefficient the deeper persons fall below the poverty threshold.*

***The Gini coefficient*** *is defined as the relationship of cumulative shares of the population arranged according to the level of equivalised disposable income (according to the OECD-modified scale), to the cumulative share of the equivalised total disposable income received by them. The higher is the coefficient value the higher income inequality.*