## SINGLE MOTHERS - WHAT HAPPENS NEXT?**

Keywords: single mother, marriage, next-order children, abortion, divorce
The standard data published by the Czech Statistical Office (CZSO) on demographic change in the Czech Republic year by year provide information about the number of births and the composition of the mother population by various criteria, for example, by age, marital status, birth order, the interval since the birth of the previous child, etc. The data thus provide an overview of the group of women that give birth during a single year, but even time series of these indicators do not make it possible to observe development of the given population in subsequent years. However, the basic database that the CZSO uses to compile the data above does facilitate a longitudinal analysis. This article monitors the further demographic development of the cohort of single mothers that gave birth in a given year to their first child and the child was live born.

## The formation of the monitored data sets

Source data from the CZSO make it possible to monitor single mothers for the period between 1991 and 2004 and to monitor both the changes in their number (decrease) owing to death or emigration from the Czech Republic, and the changes in their demographic structure, as a result of marriage, the birth of other children, or divorce. The occurrence of abortions can also be monitored. The database is not complete for the year 1991, as data on abortions are lacking, or for the years 2003 and 2004, when the necessary indicator on divorces is missing.

During the period under observation the lowest number of single mothers with a first child was in the first year (1991), at 7368. In most subsequent years the number increased to reach its maximum to date in 2004, when the number exceeded 17000 , almost twice that of the first year of observation (an increase of $134 \%$ ). The percentage of live-born first-order children of single mothers out of the total number of live-born children increased from $5.7 \%$ to $17.6 \%$.

In order to reveal the above-indicated vital events in the basic sample, it was necessary to eliminate records with incomplete or erroneous identifiers. Also eliminated from the sample were entries that were illogical when previous vital events (birth, marriage, divorce) were added in. These were cases of women for whom prior to the data item on the birth of the first child while single had a record of a marriage, divorce, or birth of a child indicated in the database. The number of such cases is very small, so their effect on the sample is marginal. The total proportion of records eliminated owing to the cited deficiencies in individual years equals just $5.9-7.4 \%$, so the samples that were ultimately analysed are adequately representative for the individual years, and the quality of the records in the database can be considered as very good.

Also eliminated from the base samples for individual years were women who in the period under observation died or emigrated from the Czech Republic. In the case of these women there was no way for the other monitored events to find their way into the sample or for these events to be traced, and thus the findings would have been slightly though not substantially influenced by this. The samples monitored thus comprised in the individual years between $90.9 \%$ and $93.8 \%$ of the base sample.

With the exception of Table 8 , in which the data for women in total are entered, the data in the other tables are for the samples defined as above for continued monitoring (see the previous table).

## Age structure of the data sets

The age structure of the women included in the data sets in the research indicates that, as in the case of the population overall, the age of mothers has been increasing. This is also confirmed by the averages cited here. The average age of the groups increased between the first and the final year of the studied time series by 3.5 years.

Also, the age of the highest intensity of first birth while single also increased to higher averages. In a conversion to 1000 women the highest percentage of women was included in the monitoring in 1991 among 18-year-olds, in 2004 among 21-year-olds, with a datum of 18.7 per thousand.

In comparison to the age structure of married mothers at the time of first birth, single mothers are younger, by 1.1 year at the start of the time series and by 2.4 years in 2004.

[^0]Table 1 Selected birth indicators in the Czech Republic in 1991-2004

| Fertility | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | $\begin{gathered} \text { Total } \\ \text { 1991-2004 } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Live-born children | 129354 | 121705 | 121025 | 106579 | 96097 | 90446 | 90657 | 90535 | 89471 | 90910 | 90715 | 92786 | 93685 | 97664 | 1401629 |
| Live-born children of single mothers | 9226 | 9441 | 11269 | 11378 | 10910 | 11244 | 11946 | 12875 | 13966 | 15064 | 16359 | 18095 | 20753 | 23451 | 195977 |
| Share of live births to single mothers out of total live births | 7.1 | 7.8 | 9.3 | 10.7 | 11.4 | 12.4 | 13.2 | 14.2 | 15.6 | 16.6 | 18.0 | 19.5 | 22.2 | 24.0 | 14.0 |
| First-order (live) births to single mothers = initial number | 7368 | 7421 | 8717 | 8609 | 7979 | 8121 | 8719 | 9214 | 10070 | 10957 | 11697 | 12944 | 15071 | 17226 | 144113 |
| Share of first-order live births to single mothers - total | 5.7 | 6.1 | 7.2 | 8.1 | 8.3 | 9.0 | 9.6 | 10.2 | 11.3 | 12.1 | 12.9 | 14.0 | 16.1 | 17.6 | 10.3 |
| Exclusion of records with errors | 543 | 518 | 525 | 405 | 581 | 530 | 620 | 620 | 642 | 770 | 710 | 765 | 898 | 1094 | 9221 |
| Cases that moved or died | 125 | 98 | 80 | 75 | 62 | 50 | 48 | 45 | 32 | 36 | 19 | 32 | 30 | 8 | 740 |
| Sample for further observation | 6700 | 6805 | 8112 | 8129 | 7336 | 7541 | 8051 | 8549 | 9396 | 10151 | 10968 | 12147 | 14143 | 16124 | 134152 |
| Percentage of the initial number | 90.9 | 91.7 | 93.1 | 94.4 | 91.9 | 92.9 | 92.3 | 92.8 | 93.3 | 92.6 | 93.8 | 93.8 | 93.8 | 93.6 | 93.1 |

## Marriages

The basic question set out in the research was to determine how long the period is before single mothers marry and what percentage of them remain single. The data in the following table show this information for the data sets for the individual years after the lapse of a certain period of time (to the end of 2004). Given that in the data set of each subsequent year there is one less year in the period during which the occurrence of a marriage could be observed, it is not possible to compare the individual data sets. (The occurrence of a marriage or not in some of the other monitorings divided the basic data set of individual years into two subgroups.)

During the time period monitored a permanent shift occurred in the direction of there being a longer period after birth and a related increase in the percentage of those who remained single. Given than from the time of nine years after the birth the increases in the percentage of married women become quite small, it is possible to deduce that in the groups from the start of the 1990s approximately $40 \%$ remain single, and in the groups from recent years more than one-half. The largest number of marriages occurs within one year of the birth of a child, and with each additional year after the birth the number of marriages decreases.

A more detailed look at the period between a birth and first marriage by months (in the first two years after a birth) shows an evident shift in the occurrence of marriages to a later period after the birth. While up until the mid-1990s, for example, marriages within the first four months after a birth accounted for almost $40 \%$ of the marriages within one year, the current figure is around $20 \%$.

## Divorce

As in the case of other vital events, in the case of divorce each monitored data set has a different period during which the event could take place. The data clearly show that the divorce rate is high, for example, of the first three groups monitored, approximately one-quarter of the first marriages end in divorce within 10-12 years.

A comparison of the percentages of divorced first marriages among women in total and the single mothers observed here (those whose marriages were preceded by the birth of at least one child) shows no significant differences. In the data sets of the oldest cohorts (1991-1993) the divorce rate is higher among the single mothers observed here (the highest is in the data set for 1991 , by 3.0 percentage points for the entire period up to 2004). The difference between the two groups then decreases, and in the data set for 1995 the divorce rate among total women is higher, with a maximum difference in 1999 at 3.3 percentage points. In the data sets for the next years this difference falls, but it is necessary to take into account the fact that the period during which the event could occur is no longer very large
( $0-5$ years). These data indicate that a small portion of single mothers are women who lived with their partner (usually the father of the child), and this pre-marital cohabitation may have a slight influence on the stability of the subsequent marriage, whether with the same or even with a different partner.

## The birth of other children

The decline in the birth rate and the postponement of childbirth to a later age, which is evident throughout the entire population, is also exhibited by the data on the birth of other children in the monitored groups of single mothers. While the data sets from the start of the period show the largest number of secondorder births within two years after the birth of the first child, in the data sets from the second half of the 1990s the span is four years. In a conversion to 100 women there is a notable decline in the first half of the 1990s, after which it is possible to speak of stagnation.

The decline in the birth rate of second-order and other children in the first half of the 1990s and the subsequent continuation of the birth rate at similar levels is confirmed for comparable periods by data on the percentage of women who remain without a second child.

Table 2 Characteristics of the age structure of the sets

| Age | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
| Mode | 18 | 19 | 19 | 19 | 19 | 19 | 19 | 20 | 20 | 20 | 21 | 22 | 20 | 25 |
| Median | 19.6 | 19.6 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 | 21.0 | 21.4 | 22.0 | 22.6 | 23.0 | 23.6 | 24.2 |
| Average age total | 21.3 | 21.2 | 21.2 | 21.3 | 21.6 | 21.8 | 22.1 | 22.4 | 22.7 | 23.2 | 23.7 | 23.9 | 24.4 | 24.8 |
| remained single | 22.4 | 22.2 | 21.9 | 22.0 | 22.1 | 22.3 | 22.5 | 22.6 | 22.9 | 23.2 | 23.7 | 23.9 | 24.4 | 24.8 |
| married | 20.4 | 20.4 | 20.5 | 20.5 | 20.9 | 21.2 | 21.4 | 21.9 | 22.4 | 22.9 | 23.7 | 23.9 | 24.4 | 24.6 |

Table 3 Number of marriages and structure of the sets by marital status

| Indicator | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|  | Nomber of marriages |  |  |  |  |  |  |  |  |  |  |  |  |  |
| First | 3730 | 3678 | 4120 | 3866 | 3321 | 3058 | 3047 | 2842 | 2781 | 2619 | 2286 | 1872 | 1351 | 456 |
| Other | 408 | 338 | 295 | 235 | 155 | 131 | 92 | 46 | 35 | 12 | 9 | - | 1 | - |
| Total | 4138 | 4016 | 4415 | 4101 | 3476 | 3189 | 3139 | 2888 | 2816 | 2631 | 2295 | 1872 | 1352 | 456 |
|  | \% |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Married | 55.7 | 54.0 | 50.8 | 47.6 | 45.3 | 40.6 | 37.8 | 33.2 | 29.6 | 25.6 | 20.8 | 15.4 | 9.6 | 2.8 |
| Remained single thus far | 44.3 | 46.0 | 49.2 | 52.4 | 54.7 | 59.4 | 62.2 | 66.8 | 70.4 | 74.2 | 79.2 | 84.6 | 90.4 | 97.2 |

Table 4 First marriages by time since childbirth

| Years | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
| 0 | 1104 | 981 | 989 | 826 | 682 | 663 | 665 | 655 | 784 | 809 | 806 | 754 | 839 |
| 1 | 632 | 562 | 613 | 559 | 520 | 530 | 509 | 540 | 602 | 665 | 675 | 755 |  |
| 2 | 408 | 441 | 516 | 466 | 458 | 404 | 442 | 470 | 507 | 486 | 541 |  |  |
| 3 | 252 | 340 | 425 | 455 | 342 | 382 | 437 | 411 | 404 | 432 |  |  |  |
| 4 | 265 | 264 | 331 | 354 | 323 | 326 | 359 | 321 | 318 |  |  |  |  |
| 5 | 223 | 235 | 267 | 334 | 288 | 250 | 260 | 278 |  |  |  |  |  |
| 6 | 204 | 223 | 287 | 263 | 281 | 213 | 256 |  |  |  |  |  |  |
| 7 | 145 | 158 | 186 | 222 | 188 | 190 |  |  |  |  |  |  |  |
| 8 | 121 | 143 | 157 | 169 | 146 |  |  |  |  |  |  |  |  |
| 9 | 126 | 108 | 141 | 143 |  |  |  |  |  |  |  |  |  |
| 10 | 87 | 95 | 127 |  |  |  |  |  |  |  |  |  |  |
| 11 | 73 | 91 |  |  |  |  |  |  |  |  |  |  |  |
| 12 | 62 |  |  |  |  |  |  |  |  |  |  |  |  |

Table 5 Share of women with first marriage by time since childbirth to marriage, in \%

| Years | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
| 0 | 16.5 | 14.4 | 12.2 | 10.2 | 9.3 | 8.8 | 8.3 | 7.7 | 8.3 | 8.0 | 7.3 | 6.2 | 5.9 |
| 1 | 9.4 | 8.3 | 7.6 | 6.9 | 7.1 | 7.0 | 6.3 | 6.3 | 6.4 | 6.6 | 6.2 | 6.2 |  |
| 2 | 6.1 | 6.5 | 6.4 | 5.7 | 6.2 | 5.4 | 5.5 | 5.5 | 5.4 | 4.8 | 4.9 |  |  |
| 3 | 3.8 | 5.0 | 5.2 | 5.6 | 4.7 | 5.1 | 5.4 | 4.8 | 4.3 | 4.3 |  |  |  |
| 4 | 4.0 | 3.9 | 4.1 | 4.4 | 4.4 | 4.3 | 4.5 | 3.8 | 3.4 |  |  |  |  |
| 5 | 3.3 | 3.5 | 3.3 | 4.1 | 3.9 | 3.3 | 3.2 | 3.3 |  |  |  |  |  |
| 6 | 3.0 | 3.3 | 3.5 | 3.2 | 3.8 | 2.8 | 3.2 |  |  |  |  |  |  |
| 7 | 2.2 | 2.3 | 2.3 | 2.7 | 2.6 | 2.5 |  |  |  |  |  |  |  |
| 8 | 1.8 | 2.1 | 1.9 | 2.1 | 2.0 |  |  |  |  |  |  |  |  |
| 9 | 1.9 | 1.6 | 1.7 | 1.8 |  |  |  |  |  |  |  |  |  |
| 10 | 1.3 | 1.4 | 1.6 |  |  |  |  |  |  |  |  |  |  |
| 11 | 1.1 | 1.3 |  |  |  |  |  |  |  |  |  |  |  |
| 12 | 0.9 |  |  |  |  |  |  |  |  |  |  |  |  |
| to 5 years | 39.7 | 38.0 | 35.4 | 32.7 | 31.7 | 30.6 | 30.0 | 28.0 | 27.8 |  |  |  |  |
| to 10 years | 51.9 | 50.8 | 48.2 | 46.6 |  |  |  |  |  |  |  |  |  |

Table 6 First marriages within 2 years of childbirth by time in months

| Months | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
| 0 | 43 | 33 | 29 | 23 | 17 | 12 | 24 | 12 | 14 | 14 | 17 | 13 | 8 |
| 1 | 115 | 113 | 103 | 59 | 54 | 49 | 55 | 49 | 61 | 54 | 45 | 51 | 49 |
| 2 | 147 | 132 | 124 | 102 | 73 | 68 | 68 | 68 | 74 | 95 | 67 | 69 | 47 |
| 3 | 113 | 101 | 100 | 73 | 75 | 81 | 67 | 67 | 88 | 74 | 79 | 57 | 66 |
| 4 | 105 | 92 | 99 | 86 | 68 | 60 | 57 | 57 | 76 | 83 | 88 | 83 | 54 |
| 5 | 102 | 96 | 75 | 65 | 69 | 65 | 63 | 63 | 74 | 62 | 88 | 67 | 62 |
| 6 | 86 | 89 | 80 | 87 | 62 | 58 | 66 | 56 | 68 | 78 | 71 | 74 | 66 |
| 7 | 102 | 63 | 81 | 83 | 58 | 57 | 60 | 49 | 73 | 63 | 69 | 76 | 93 |
| 8 | 79 | 76 | 84 | 72 | 53 | 62 | 63 | 56 | 66 | 66 | 64 | 60 | 91 |
| 9 | 60 | 69 | 85 | 66 | 52 | 45 | 42 | 67 | 63 | 63 | 72 | 57 | 104 |
| 10 | 76 | 61 | 63 | 58 | 54 | 53 | 60 | 49 | 64 | 74 | 71 | 64 | 106 |
| 11 | 76 | 56 | 66 | 52 | 47 | 53 | 40 | 62 | 63 | 83 | 75 | 83 | 93 |
| 12 | 67 | 61 | 58 | 50 | 47 | 44 | 55 | 61 | 64 | 96 | 82 | 70 |  |
| 13 | 52 | 58 | 52 | 44 | 46 | 45 | 49 | 45 | 46 | 59 | 57 | 69 |  |
| 14 | 57 | 53 | 61 | 47 | 38 | 48 | 44 | 34 | 57 | 57 | 59 | 61 |  |
| 15 | 58 | 35 | 57 | 55 | 61 | 60 | 49 | 39 | 51 | 57 | 61 | 63 |  |
| 16 | 58 | 47 | 63 | 51 | 48 | 54 | 33 | 55 | 58 | 53 | 48 | 51 |  |
| 17 | 60 | 48 | 50 | 44 | 29 | 37 | 50 | 43 | 42 | 51 | 54 | 44 |  |
| 18 | 48 | 40 | 51 | 38 | 40 | 40 | 39 | 44 | 50 | 48 | 50 | 63 |  |
| 19 | 53 | 48 | 37 | 48 | 47 | 49 | 35 | 54 | 54 | 39 | 50 | 65 |  |
| 20 | 45 | 49 | 44 | 39 | 49 | 48 | 39 | 39 | 40 | 62 | 56 | 63 |  |
| 21 | 48 | 43 | 51 | 51 | 44 | 41 | 46 | 42 | 56 | 50 | 50 | 63 |  |
| 22 | 51 | 36 | 49 | 44 | 38 | 29 | 32 | 41 | 43 | 44 | 58 | 56 |  |
| 23 | 35 | 44 | 40 | 48 | 33 | 35 | 38 | 43 | 41 | 49 | 50 | 87 |  |

In the data on the birth of other children broken down into mothers who remained single and mothers who married refer to the marital status at the end of the monitored period, not at the time of the specific birth. Given that every subsequent data set in this monitoring has a shorter period in which the birth of a

Table 7 Divorces

| Divorces | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
| Divorces total | 1243 | 1025 | 1063 | 877 | 654 | 555 | 437 | 333 | 244 | 163 | 79 | 21 | 4 |
| First | 1161 | 971 | 1022 | 852 | 641 | 544 | 434 | 332 | 243 | 163 | 79 | 21 | 4 |
| Other | 82 | 54 | 41 | 25 | 13 | 11 | 3 | 1 | 1 | - | - | - | - |
| Per 100 marriages: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 30.0 | 25.5 | 24.1 | 21.4 | 18.8 | 17.4 | 13.9 | 11.5 | 8.7 | 6.2 | 3.4 | 1.1 | 0.3 |
| First | 31.1 | 26.4 | 24.8 | 22.0 | 19.3 | 17.8 | 14.2 | 11.7 | 8.7 | 6.2 | 3.5 | 1.1 | 0.3 |
| Other | 20.1 | 16.0 | 13.9 | 10.6 | 8.4 | 8.4 | 3.3 | 2.2 | 2.9 | - | - | - | - |

Table 8 Share of divorced first marriages of women in total and of unmarried mothers, in \%

| Indicator | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 |
|  | Number of monitored years after marriage |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| Women total | 28.1 | 24.4 | 24.1 | 22.0 | 20.4 | 18.7 | 16.6 | 14.9 | 12.0 | 8.9 | 6.4 | 3.6 | 1.2 |
| Single mothers | 31.1 | 26.4 | 24.8 | 22.0 | 19.3 | 17.8 | 14.2 | 11.7 | 8.7 | 6.2 | 3.5 | 1.1 | 0.3 |
| Difference | 3.0 | 2.0 | 0.7 | 0.0 | -1.1 | -0.9 | -2.4 | -3.2 | -3.3 | -2.7 | -2.9 | -2.5 | -0.9 |

Table 9 Children of next birth order per 100 women

| Number of years <br> from birth | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |  |  |  |  |  |  |
| 3 | 35.5 | 31.1 | 26.8 | 25.6 | 26.6 | 24.4 | 24.5 | 23.5 | 24.4 | 23.4 | 23.9 |  |  |  |  |  |  |
| 5 | 55.0 | 50.2 | 45.8 | 45.2 | 46.4 | 44.9 | 44.3 | 43.5 | 44.5 |  |  |  |  |  |  |  |  |
| 8 | 77.7 | 71.7 | 68.9 | 68.5 | 70.9 | 70.1 |  |  |  |  |  |  |  |  |  |  |  |
| 10 | 88.8 | 83.8 | 80.9 | 80.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | 97.3 | 93.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Table 10 Share of women without another child, in \%

| Number of years <br> from birth | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 |  |  |  |
| 3 | 68.3 | 71.8 | 75.2 | 76.5 | 75.7 | 77.8 | 77.6 | 78.3 | 77.5 | 78.3 | 77.7 |  |  |  |
| 5 | 55.7 | 58.6 | 61.5 | 61.8 | 61.3 | 62.1 | 62.3 | 62.8 | 62.0 |  |  |  |  |  |
| 8 | 44.2 | 46.7 | 48.3 | 47.9 | 46.8 | 47.3 |  |  |  |  |  |  |  |  |
| 10 | 40.1 | 41.7 | 42.9 | 42.2 |  |  |  |  |  |  |  |  |  |  |
| 12 | 36.9 | 38.0 |  |  |  |  |  |  |  |  |  |  |  |  |

Table 11 Share of women without another child, in \%

| Indicator | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
| All women | 35.6 | 38.0 | 40.7 | 42.2 | 43.6 | 47.3 | 51.2 | 56.8 | 62.0 | 69.4 | 77.7 | 87.6 | 96.4 | 100.0 |
| Remained single | 53.0 | 53.7 | 56.9 | 56.1 | 56.3 | 58.9 | 61.3 | 64.7 | 68.8 | 74.6 | 81.0 | 89.1 | 96.7 | 100.0 |
| Married | 21.8 | 24.6 | 25.1 | 26.8 | 28.2 | 30.3 | 34.5 | 40.9 | 45.8 | 54.3 | 65.2 | 79.8 | 93.3 | 100.0 |

Table 12 Average number of children per woman

| Indicator | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
| All women | 2.03 | 1.93 | 1.86 | 1.80 | 1.78 | 1.70 | 1.62 | 1.53 | 1.44 | 1.34 | 1.24 | 1.13 | 1.04 | 1.00 |
| Remained single | 1.82 | 1.76 | 1.67 | 1.63 | 1.62 | 1.57 | 1.51 | 1.44 | 1.37 | 1.29 | 1.21 | 1.11 | 1.03 | 1.00 |
| Married | 2.19 | 2.09 | 2.05 | 1.99 | 1.96 | 1.89 | 1.79 | 1.70 | 1.62 | 1.50 | 1.36 | 1.21 | 1.07 | 1.00 |

Table 13 Abortion indicators

| Indicator |  | Set for year |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 |
|  | Average number of abortions per women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All women | 0.82 | 0.73 | 0.71 | 0.73 | 0.68 | 0.64 | 0.60 | 0.53 | 0.37 | 0.38 | 0.32 | 0.26 | 0.23 | 0.19 |
| Remained single | 0.79 | 0.73 | 0.69 | 0.76 | 0.71 | 0.63 | 0.62 | 0.54 | 0.39 | 0.39 | 0.33 | 0.27 | 0.23 | 0.20 |
| Married | 0.85 | 0.73 | 0.73 | 0.69 | 0.66 | 0.66 | 0.56 | 0.49 | 0.33 | 0.33 | 0.28 | 0.24 | 0.20 | 0.19 |
|  | Women without abortion, in \% |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All women | 51.5 | 54.7 | 55.0 | 53.6 | 55.1 | 57.1 | 58.5 | 62.2 | 70.7 | 70.6 | 74.0 | 77.9 | 80.6 | 84.0 |
| Remained single | 54.3 | 56.2 | 57.0 | 52.4 | 54.9 | 57.5 | 57.8 | 61.5 | 69.5 | 69.5 | 73.3 | 77.7 | 80.5 | 82.7 |
| Married | 49.3 | 53.5 | 53.1 | 55.0 | 55.3 | 56.5 | 59.6 | 63.8 | 73.5 | 73.7 | 77.0 | 79.0 | 82.0 | 84.0 |

second child can occur, the data in the table are not comparable over time but can be used to compare mothers according to the two alternative marital statuses cited above. There is clear evidence that a subsequent marriage has an effect on the birth of other children, or the opposite effect appears, i.e. that the birth of other children while single is affected by the subsequent marriage. For example, in the case of the data set for 1991, the proportion of mothers among single mothers that had no further children was almost 2.5 times as high as the proportion among the women who married.
The differences in natality behaviour among the groups are confirmed by a comparison of the average number of children per woman married and unmarried.

## Abortions

An abortion is the only vital event monitored that relates to women even the year before their inclusion in the monitored data set, that is, before the birth of the first child and while single. (We must, however, also take into account that there are no available data for the period before 1992 and since 2003, which obstructs a comparison of the data sets from different periods.) Therefore, the data in Table 13 can only be used for a comparison between the cited groups of women and not for a comparison over time.
The highest number of abortions, the major part of which are induced abortions, occurs in the year after the birth, which is likely connected with an increased interest in preventing the birth of another child so early after the birth of the first child. From the period prior to the birth, the most abortions occur one year or two years before the birth. Even this comparison shows a notable decrease in the abortion rate - the relative values in data sets from later years are lower.
There is no substantial difference in the abortion rate between the women who married and the women who remained single. The average number of abortions per woman differs very little between these two groups. More often, but not every year, there is a higher abortion rate among women who did not marry. A similar conclusion regarding the insignificant and ambiguous differences between the compared groups can be drawn from a comparison of the percentages of women who had no abortion in the monitored years.

## Conclusion

An analysis of the data sets from the CZSO presents a different view on some aspects of demographic trends and makes it possible to observe the development and changes that affect certain groups over time. In this article, attention was devoted to women who had their first child while single. The percentage of data that for various reasons had to be eliminated from the analysis was not large (roughly $5 \%$ ), and the findings offer a reliable portrait of the phenomena monitored. There is a clear shift in the age
structure of mothers in the direction of older mothers. The age group with the largest relative number of single mothers of a first-order child out of the total number of women is currently the group of 21-yearolds, while in 1991 it was 18 -year-olds. There is an evident postponement of subsequent marriage to a later age. The data indicate that there is also an increase in the percentage that never married. In the case of all the data sets most marriages occur within one year of the birth. In the data sets from earlier years this primarily occurred within months, soon after the birth, but this is no longer true. The data for more recent years indicate a decline in the divorce rate among the monitored group of women and possibly a slightly lower divorce rate compared with total women. Marriage has an effect on the birth rate in this monitoring - women who married have more children than those who did not marry. Conversely, there is no difference in the abortion rate between women who married and those who did not. These data summaries represent a basic departure point for this form of analysing basic statistical data. Further work will draw on these summaries and will be devoted to elaborating the topic further.

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