# Migration Impact on the All Characteristics in the Life Tables

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## 1. Introduction

The life tables theoretically are based on a cohort of individuals born in certain year. The consecutive deaths of the individuals of this cohort are traced out up to the death of the last individual. Moreover, a conventional number of individuals born in this certain year ($l_0$) is taken instead of the real number of individuals ($N_0$) born in this year. (Often $l_0 = 100\,000$.) In that case there is relation between the real number of the individuals left alive at age $x$ ($N_x$) and the conventional number left alive at age $x$ ($l_x$). This relation is:

(1) $$\frac{N_0}{l_0} = \frac{N_1}{l_1} = \frac{N_2}{l_2} = \cdots = \frac{N_{x-1}}{l_{x-1}} = \frac{N_x}{l_x} = \frac{N_{x+1}}{l_{x+1}} = \cdots = \frac{N_{\omega-1}}{l_{\omega-1}} = \frac{N_\omega}{l_\omega},$$

where $\omega$ is the age of the last deaths. At the age $\omega+1$ there are no live people.

Equation (1) provides a possibility for the recurrent calculation of $l_1, l_2, ..., l_\omega$. This could be done using some algebra in two ways:

$$l_1 = \frac{N_1}{N_0} l_0; \quad l_2 = \frac{N_2}{N_1} l_1; \ldots; \quad l_x = \frac{N_x}{N_{x-1}} l_{x-1}; \quad l_{x+1} = \frac{N_{x+1}}{N_x} l_x; \ldots; \quad l_\omega = \frac{N_\omega}{N_{\omega-1}} l_{\omega-1}$$

or

$$l_1 = l_0 - \frac{N_0 - N_1}{N_0} l_0; \quad l_2 = l_1 - \frac{N_1 - N_2}{N_1} l_1; \ldots; \quad l_x = l_{x-1} - \frac{N_{x-1} - N_x}{N_{x-1}} l_{x-1};$$

$$l_{x+1} = l_x - \frac{N_x - N_{x+1}}{N_x} l_x; \ldots; \quad l_\omega = l_{\omega-1} - \frac{N_{\omega-1} - N_\omega}{N_{\omega-1}} l_{\omega-1};$$

If there is no migration then $N_x$ depends only on mortality between ages $x$ and $x+1$. Hence:

$p_x = \frac{N_{x+1}}{N_x} = \frac{l_{x+1}}{l_x}$ could be interpreted as a probability of surviving from age $x$ to $x+1$.

$q_x = \frac{N_x - N_{x+1}}{N_x} = \frac{l_x - l_{x+1}}{l_x}$ could be interpreted as a probability of dying between ages $x$ and $x+1$.

$d_x = \frac{N_x - N_{x+1}}{N_x} l_x = q_x l_x = l_x - l_{x+1}$ could be interpreted as a number of dying between

ages $x$ and $x+1$.

Excepting $l_x$, $d_x$, $q_x$ and $p_x$ the life table contains also the following characteristics:

$L_x = \frac{l_x + l_{x+1}}{2}$ – person-years lived between ages $x$ and $x+1$ which is the same as the average number of the individuals in the age interval from $x$ to $x+1$.

This relation between $L_x$, $l_x$ и $l_{x+1}$ is valid only when the mortality in the age interval from $x$ to $x+1$ is uniform.

$T_x = \sum_{i=x}^{\omega} L_i$ – person-years lived above age $x$ which is the same as the total number of the individuals above age $x$.

$e_x = \frac{T_x}{l_x}$ – expectation of live at age $x$.

However, if there is migration then $N_x$ depends on mortality, emigration and immigration between ages $x$ and $x+1$. In that case the analysis could be extended in two directions:

- more precise measuring of the probability of dying between ages $x$ and $x+1$ ($q_x$). The object is to receive the "pure" values of the probability of dying between ages $x$ and $x+1$. These values of $q_x$ are not effected by the migration.

- covering the migration and constructing life tables with migration.

**2. More precise measuring of the probability of dying between ages $x$ and $x+1$**

First of all it is needed to measure the average time lived in the age interval from $x$ to $x+1$ by the individuals who have leaved the cohort (deaths and emigrants) in this age interval. It is shown (Русев 1998: 64; Христов 1987: 115; Харалампиев 2000: 69-70) that:

- The average time lived during the period $T$ by the leavers who reached age $x$ in the same period $T$ is $\frac{1}{3}$.

- The average time lived during the period $T$ by the leavers who reached age $x$ in the previous period $T-1$ is $\frac{2}{3}$.

Hence (Русев 1998: 65):

(2) $$q_x = \frac{M_{x,T,L} + M_{x,T+1,U}}{N_{x,T} - \frac{2}{3}(E_{x,T,L} - I_{x,T,L}) - \frac{1}{3}(E_{x,T+1,U} - I_{x,T+1,U})},$$

where:

$M_{x,T,L}$ is the number of deaths at age $x$ in period $T$ who reached age $x$ in the same period $T$;

$M_{x,T+1,U}$ is the number of deaths at age $x$ in period $T+1$ who reached age $x$ in the previous period $T$;

$E_{x,T,L}$ is the number of emigrants at age $x$ in period $T$ who reached age $x$ in the same period $T$;

$E_{x,T+1,U}$ is the number of emigrants at age $x$ in period $T+1$ who reached age $x$ in the previous period $T$;

$I_{x,T,L}$ is the number of immigrants at age $x$ in period $T$ who reached age $x$ in the same period $T$;

$I_{x,T+1,U}$ is the number of immigrants at age $x$ in period $T+1$ who reached age $x$ in the previous period $T$.

At the same time $N_{x,T}$ itself is:

(3) $$N_{x,T} = S_{x-1} - M_{x-1,T,U} - (E_{x-1,T,U} - I_{x-1,T,U}),$$

where $S_{x-1}$ is the number of people at age $x-1$ at the beginning of the period $T$.

$N_{0,T}$ is the number of births during the period $T$.

After $q_x$ is calculated the whole life table could be constructed using the relations between its characteristics.

### 3. Covering the migration and constructing life tables with migration

The main methodological problem is how to account the immigration. The mortality and emigration lead to the departure from the cohort, i.e. if there are only mortality and emigration the initial formulation changes slightly. In that case $q_x$ becomes a probability of leaving the cohort in the age interval from $x$ to $x+1$, and $d_x$ becomes number of leavers the cohort in the age interval from $x$ to $x+1$. However, if there is also immigration then the individuals who initially do not belong to the cohort appear. Hence, the ratio $\frac{N_{x+1}}{N_x}$ already

could not be interpreted as probability because in the denominator individuals who do not belong to the nominator are included. Still more, when the number of the immigrants exceeds the number of the deaths and emigrants put together then the examined ratio becomes larger than unity.

On the other hand it is obvious that $\frac{N_{x+1}}{N_x}$ is the growth rate of the number of individuals between ages $x$ and $x+1$. Also, $\frac{N_x - N_{x+1}}{N_x}.100 = -\left(\frac{N_{x+1}}{N_x} - 1\right).100$ is the negative percent change of the number of individuals between ages $x$ and $x+1$.

Let us denote the number of individuals left in the cohort at age $x$ as $l'_x$ and the difference $l'_x - l'_{x+1}$ as $\Delta_x$. Therefore $-\Delta_x$ is the increasing (decreasing) of the number of the individuals between ages $x$ and $x+1$. It is obvious that $\frac{N_{x+1}}{N_x} = \frac{l'_{x+1}}{l'_x}$ and $\frac{N_x - N_{x+1}}{N_x} = \frac{l'_x - l'_{x+1}}{l'_x} = \frac{\Delta_x}{l'_x}$.

$L'_x$ is calculated assuming uniform mortality, emigration and immigration in the age interval from $x$ to $x+1$:

$$L'_x = \frac{l'_x + l'_{x+1}}{2}.$$

$T'_x$ is calculated by analogy of $T_x$:

$$T'_x = \sum_{i=x}^{\omega} L'_i$$

The equation $e'_x = \frac{T'_x}{l'_x}$ is simplified expression of initial formula $e'_x = \frac{\sum_{i=x}^{\omega}\left(i - x + \frac{1}{2}\right)\Delta_i}{\sum_{i=x}^{\omega}\Delta_i}$, i.e. it is weighted average with weights $\Delta_i$. If the number of immigrants in the age interval from $i$ to $i+1$ exceeds the number of the deaths and emigrants put together then $\Delta_i < 0$. However, it is mathematically and statistically impossible. Therefore the life table with migration could contain only the following characteristics: $l'_x$, $\Delta_x$, $\frac{\Delta_x}{l'_x}$, $\frac{l'_{x+1}}{l'_x}$, $L'_x$ and $T'_x$.

The constructing of the life table with migration could start with the calculation either of

$$\frac{\Delta_x}{l'_x} = \frac{N_{x,T} - N_{x+1,T+1}}{N_{x,T}} \tag{4}$$

or

$$\frac{l'_{x+1}}{l'_x} = \frac{N_{x+1,T+1}}{N_{x,T}}, \tag{5}$$

where:

$$\begin{aligned} N_{x+1,T+1} = S_{x-1} - M_{x-1,T,U} - (E_{x-1,T,U} - I_{x-1,T,U}) - M_{x,T,L} - (E_{x,T,L} - I_{x,T,L}) - \\ - M_{x,T+1,U} - (E_{x,T+1,U} - I_{x,T+1,U}) \end{aligned} \tag{6}$$

and $N_{x,T}$ is calculated by Equation (3).

Hence:

$$N_{x,T} - N_{x+1,T+1} = M_{x,T,L} + (E_{x,T,L} - I_{x,T,L}) + M_{x,T+1,U} + (E_{x,T+1,U} - I_{x,T+1,U})$$

After $\frac{\Delta_x}{l'_x}$ and $\frac{l'_{x+1}}{l'_x}$ are calculated the whole life table could be constructed using the relations between its characteristics.

**4. Data and results**

Supplier of the data for this study is the National Statistical Institute of Bulgaria. The used data are:

- age distributions of population toward 31 December 1995 and 31 December 2000;

- numbers of deaths during 1996, 1997, 1998, 2001, 2002 and 2003[1] both by age and by year of birth;

- the National Statistic Institute of Bulgaria does not provide reliable information about international migration. For that reason in this study only information about the urban-rural migration is applied. Because of the fact that numbers of emigrants and immigrants during 1996, 1997, 1998, 2001, 2002 and 2003 are given only by age not by years of birth, these numbers are divided in two equal parts.

The prepared life tables without migration (Tables 1-8) and with migration (Tables 9-16) are presented in Appendix.

[1] It must be noticed that for the construction of life tables the National Statistic Institute of Bulgaria uses information about the mortality for three periods. In this study information for three periods is used too. However, this vastly complicates equations and makes them understanding very difficult. Therefore for the

The interpretation of the characteristics in the life table without migration is almost the same as the characteristics of the ordinary life table. The only difference is that the characteristics of the life table without migration are "pure", i.e. intrinsic, characteristics of the population.

It may be worthwhile to interpret the characteristics in the life table with migration. For instance for the age interval from 16 to 17 in Table 9 it could be said:

- The number of the urban male left in the cohort at age 16 is 96 867 per 100 000 births;

- The number of the urban male left in the cohort at age 17 is 97 694 per 100 000 births;

- The number of the urban male is increased between ages 16 and 17 by 827 per 100 000 births;

- The percent change of the number of the urban male between ages 16 and 17 is 0.85%;

- The growth rate of the number of the urban male between ages 16 and 17 is 1.0085;

- The person-years lived between ages 16 and 17 are 97 281 per 100 000 births which is the same as the average number of the urban male in the age interval from 16 to 17;

- The person-years lived above age 16 are 5 007 885 per 100 000 births which is the same as the total number of the urban male above age 16.

**5. Migration impact**

After the life tables without and with migration are produced they could be combined by pairs (1-9, 2-10, 3-11, 4-12, 5-13, 6-14, 7-15 and 8-16) for revealing the migration impact.

For instance, if there is no migration the total number of the urban male during the period 1996-1998 would be $T_0 = 6\,660\,864$ per 100 000 births (Table 1). The real total number of the urban male during the period 1996-1998 is $T_0' = 6\,562\,048$ per 100 000 births (Table 9). The ratio $\frac{T_0}{T_0'}.100 = 101{,}5\%$ means that if there is no migration the total number of the urban male would be larger than it is by 1,5%, i.e. the migration leads to the decreasing of the urban male population during the period 1996-1998.

Conversely, if there is no migration the total number of the rural male during the period 1996-1998 would be $T_0 = 6\,490\,987$ per 100 000 births (Table 3). The real total

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purpose of explanation only two periods ($T$ and $T+1$) were used.

number of the rural male during the period 1996-1998 is $T_0' = 6\,684\,769$ per 100 000 births (Table 11). The ratio $\frac{T_0}{T_0'}.100 = 97{,}1\%$ means that if there is no migration the total number of the rural male would be smaller than it is by 2,9%, i.e. the migration leads to the increasing of the rural male population during the period 1996-1998.

The analysis could be conducted not only total but also by ages. It could be done in the following way (Русев 1993: 85):

The set of conditional life tables with migration is made. In each life table the characteristic $\frac{\Delta_x}{l_x'}$ is obtained in the following way:

- The first table: $q_0; \frac{\Delta_1}{l_1'}; \frac{\Delta_2}{l_2'}; \cdots; \frac{\Delta_{k-1}}{l_{k-1}'}; \frac{\Delta_k}{l_k'}; \cdots; \frac{\Delta_\omega}{l_\omega'}$. This table shows how the cohort would change if there is no migration at age 0.

- The second table: $q_0; q_1; \frac{\Delta_2}{l_2'}; \cdots; \frac{\Delta_{k-1}}{l_{k-1}'}; \frac{\Delta_k}{l_k'}; \cdots; \frac{\Delta_\omega}{l_\omega'}$. This table shows how the cohort would change if there is no migration up to the age 1.

- The $k$-th table: $q_0; q_1; q_2; \cdots; q_{k-1}; \frac{\Delta_k}{l_k'}; \cdots; \frac{\Delta_\omega}{l_\omega'}$. This table shows how the cohort would change if there is no migration up to the age $k-1$.

It is obvious that if $k = \omega + 1$ then the result is the life table without migration.

In this way the $\omega + 1$ conditional life tables would be obtained. It costs many work and time. The work could be considerably decreased if abridged conditional life tables are constructed.

For each population seventeen abridged conditional life tables are constructed. The results for the conditional total number of the population per 100 000 births if there is no migration up to the age $x$ ($T_{0,x}'$) and for the ratio $\frac{T_{0,x}'}{T_0'}$ are presented in Appendix (Tables 17-20). The ratio $\frac{T_{0,x}'}{T_0'}$ is also presented graphically (Figures 1-4).

**6. Conclusions**

1. If there is no migration in the age interval from 0 to 34 then the urban population would decrease and the rural population would increase, i.e. the migration in the age interval

from 0 to 34 leads to the increasing of the urban population and to the decreasing of the rural population.

2. If there is no migration in the age interval from 35 to 64 then the urban population would increase and the rural population would decrease, i.e. the migration in the age interval from 35 to 64 leads to the decreasing of the urban population and to the increasing of the rural population.

3. If there is no migration in the age interval above 65 then the numbers of both the urban and rural population would not change, i.e. the migration in the age interval above 65 does not lead to the change of both the urban and the rural population.

4. The migration impact on the rural population is stronger than the impact on the urban population.

5. During the period 1996-1998 the migration impact on the female population is stronger than the impact on the male population. During the period 2001-2003 the migration impact is almost the same among the male and female populations.

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**Appendix**

Table 1. Life table without migration (male, urban, 1996-1998)

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 0 | 100 000 | 0.0167 | 1 675 | 0.9833 | 99 163 | 6 660 864 | 66.61 |
| 1 | 98 325 | 0.0017 | 170 | 0.9983 | 98 240 | 6 561 702 | 66.73 |
| 2 | 98 155 | 0.0008 | 75 | 0.9992 | 98 118 | 6 463 462 | 65.85 |
| 3 | 98 081 | 0.0007 | 69 | 0.9993 | 98 046 | 6 365 344 | 64.90 |
| 4 | 98 012 | 0.0004 | 43 | 0.9996 | 97 990 | 6 267 298 | 63.94 |
| 5 | 97 969 | 0.0005 | 45 | 0.9995 | 97 946 | 6 169 308 | 62.97 |
| 6 | 97 924 | 0.0005 | 45 | 0.9995 | 97 901 | 6 071 361 | 62.00 |
| 7 | 97 879 | 0.0004 | 37 | 0.9996 | 97 860 | 5 973 460 | 61.03 |
| 8 | 97 842 | 0.0004 | 35 | 0.9996 | 97 824 | 5 875 600 | 60.05 |
| 9 | 97 807 | 0.0003 | 26 | 0.9997 | 97 794 | 5 777 776 | 59.07 |
| 10 | 97 781 | 0.0004 | 34 | 0.9996 | 97 764 | 5 679 982 | 58.09 |
| 11 | 97 747 | 0.0003 | 29 | 0.9997 | 97 732 | 5 582 218 | 57.11 |
| 12 | 97 718 | 0.0002 | 21 | 0.9998 | 97 707 | 5 484 486 | 56.13 |
| 13 | 97 697 | 0.0005 | 47 | 0.9995 | 97 673 | 5 386 778 | 55.14 |
| 14 | 97 649 | 0.0006 | 54 | 0.9994 | 97 622 | 5 289 105 | 54.16 |
| 15 | 97 595 | 0.0004 | 43 | 0.9996 | 97 574 | 5 191 483 | 53.19 |
| 16 | 97 552 | 0.0006 | 55 | 0.9994 | 97 525 | 5 093 909 | 52.22 |
| 17 | 97 497 | 0.0007 | 72 | 0.9993 | 97 461 | 4 996 385 | 51.25 |
| 18 | 97 425 | 0.0011 | 106 | 0.9989 | 97 372 | 4 898 924 | 50.28 |
| 19 | 97 318 | 0.0010 | 99 | 0.9990 | 97 269 | 4 801 552 | 49.34 |
| 20 | 97 220 | 0.0010 | 93 | 0.9990 | 97 173 | 4 704 283 | 48.39 |
| 21 | 97 127 | 0.0010 | 97 | 0.9990 | 97 078 | 4 607 110 | 47.43 |
| 22 | 97 029 | 0.0012 | 112 | 0.9988 | 96 973 | 4 510 032 | 46.48 |
| 23 | 96 918 | 0.0013 | 129 | 0.9987 | 96 853 | 4 413 058 | 45.53 |
| 24 | 96 789 | 0.0012 | 112 | 0.9988 | 96 733 | 4 316 205 | 44.59 |
| 25 | 96 677 | 0.0012 | 119 | 0.9988 | 96 617 | 4 219 472 | 43.65 |
| 26 | 96 557 | 0.0014 | 139 | 0.9986 | 96 488 | 4 122 855 | 42.70 |
| 27 | 96 418 | 0.0013 | 121 | 0.9987 | 96 358 | 4 026 368 | 41.76 |
| 28 | 96 298 | 0.0014 | 131 | 0.9986 | 96 232 | 3 930 010 | 40.81 |
| 29 | 96 166 | 0.0013 | 126 | 0.9987 | 96 103 | 3 833 778 | 39.87 |
| 30 | 96 040 | 0.0015 | 148 | 0.9985 | 95 966 | 3 737 674 | 38.92 |
| 31 | 95 892 | 0.0013 | 128 | 0.9987 | 95 828 | 3 641 708 | 37.98 |
| 32 | 95 764 | 0.0021 | 201 | 0.9979 | 95 663 | 3 545 880 | 37.03 |
| 33 | 95 563 | 0.0020 | 189 | 0.9980 | 95 468 | 3 450 217 | 36.10 |
| 34 | 95 374 | 0.0018 | 175 | 0.9982 | 95 286 | 3 354 749 | 35.17 |
| 35 | 95 199 | 0.0021 | 196 | 0.9979 | 95 101 | 3 259 463 | 34.24 |
| 36 | 95 003 | 0.0025 | 242 | 0.9975 | 94 882 | 3 164 362 | 33.31 |
| 37 | 94 760 | 0.0028 | 264 | 0.9972 | 94 629 | 3 069 481 | 32.39 |
| 38 | 94 497 | 0.0032 | 303 | 0.9968 | 94 346 | 2 974 852 | 31.48 |
| 39 | 94 194 | 0.0034 | 318 | 0.9966 | 94 035 | 2 880 506 | 30.58 |
| 40 | 93 876 | 0.0040 | 372 | 0.9960 | 93 690 | 2 786 471 | 29.68 |
| 41 | 93 505 | 0.0047 | 439 | 0.9953 | 93 285 | 2 692 780 | 28.80 |
| 42 | 93 065 | 0.0039 | 363 | 0.9961 | 92 884 | 2 599 496 | 27.93 |

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 43 | 92 703 | 0.0052 | 483 | 0.9948 | 92 461 | 2 506 612 | 27.04 |
| 44 | 92 220 | 0.0061 | 565 | 0.9939 | 91 937 | 2 414 150 | 26.18 |
| 45 | 91 654 | 0.0064 | 591 | 0.9936 | 91 359 | 2 322 213 | 25.34 |
| 46 | 91 063 | 0.0070 | 638 | 0.9930 | 90 744 | 2 230 855 | 24.50 |
| 47 | 90 425 | 0.0083 | 747 | 0.9917 | 90 052 | 2 140 110 | 23.67 |
| 48 | 89 678 | 0.0086 | 771 | 0.9914 | 89 293 | 2 050 058 | 22.86 |
| 49 | 88 907 | 0.0098 | 874 | 0.9902 | 88 470 | 1 960 765 | 22.05 |
| 50 | 88 033 | 0.0105 | 920 | 0.9895 | 87 573 | 1 872 295 | 21.27 |
| 51 | 87 113 | 0.0115 | 1 002 | 0.9885 | 86 612 | 1 784 722 | 20.49 |
| 52 | 86 111 | 0.0128 | 1 099 | 0.9872 | 85 562 | 1 698 109 | 19.72 |
| 53 | 85 012 | 0.0134 | 1 141 | 0.9866 | 84 442 | 1 612 548 | 18.97 |
| 54 | 83 871 | 0.0141 | 1 183 | 0.9859 | 83 280 | 1 528 106 | 18.22 |
| 55 | 82 688 | 0.0163 | 1 350 | 0.9837 | 82 013 | 1 444 826 | 17.47 |
| 56 | 81 338 | 0.0165 | 1 344 | 0.9835 | 80 666 | 1 362 813 | 16.75 |
| 57 | 79 994 | 0.0172 | 1 374 | 0.9828 | 79 307 | 1 282 147 | 16.03 |
| 58 | 78 620 | 0.0203 | 1 594 | 0.9797 | 77 823 | 1 202 840 | 15.30 |
| 59 | 77 026 | 0.0216 | 1 662 | 0.9784 | 76 195 | 1 125 017 | 14.61 |
| 60 | 75 364 | 0.0244 | 1 835 | 0.9756 | 74 446 | 1 048 821 | 13.92 |
| 61 | 73 529 | 0.0248 | 1 820 | 0.9752 | 72 619 | 974 375 | 13.25 |
| 62 | 71 709 | 0.0278 | 1 995 | 0.9722 | 70 711 | 901 757 | 12.58 |
| 63 | 69 714 | 0.0295 | 2 057 | 0.9705 | 68 685 | 831 045 | 11.92 |
| 64 | 67 656 | 0.0316 | 2 136 | 0.9684 | 66 588 | 762 360 | 11.27 |
| 65 | 65 521 | 0.0340 | 2 224 | 0.9660 | 64 408 | 695 772 | 10.62 |
| 66 | 63 296 | 0.0358 | 2 268 | 0.9642 | 62 162 | 631 364 | 9.97 |
| 67 | 61 029 | 0.0401 | 2 447 | 0.9599 | 59 805 | 569 201 | 9.33 |
| 68 | 58 582 | 0.0428 | 2 506 | 0.9572 | 57 329 | 509 396 | 8.70 |
| 69 | 56 075 | 0.0481 | 2 700 | 0.9519 | 54 725 | 452 068 | 8.06 |
| 70 | 53 375 | 0.0530 | 2 827 | 0.9470 | 51 962 | 397 342 | 7.44 |
| 71 | 50 548 | 0.0565 | 2 854 | 0.9435 | 49 122 | 345 380 | 6.83 |
| 72 | 47 695 | 0.0620 | 2 957 | 0.9380 | 46 217 | 296 259 | 6.21 |
| 73 | 44 738 | 0.0667 | 2 986 | 0.9333 | 43 245 | 250 042 | 5.59 |
| 74 | 41 753 | 0.0761 | 3 178 | 0.9239 | 40 164 | 206 797 | 4.95 |
| 75 | 38 575 | 0.0814 | 3 141 | 0.9186 | 37 005 | 166 633 | 4.32 |
| 76 | 35 434 | 0.0833 | 2 951 | 0.9167 | 33 959 | 129 628 | 3.66 |
| 77 | 32 483 | 0.0929 | 3 017 | 0.9071 | 30 974 | 95 670 | 2.95 |
| 78 | 29 466 | 0.1020 | 3 004 | 0.8980 | 27 964 | 64 695 | 2.20 |
| 79 | 26 461 | 0.1119 | 2 960 | 0.8881 | 24 981 | 36 732 | 1.39 |
| 80 | 23 501 | 1.0000 | 23 501 | 0.0000 | 11 751 | 11 751 | 0.50 |

Table 2. Life table without migration (female, urban, 1996-1998)

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 0 | 100 000 | 0.0126 | 1 258 | 0.9874 | 99 371 | 7 234 206 | 72.34 |
| 1 | 98 742 | 0.0015 | 146 | 0.9985 | 98 669 | 7 134 835 | 72.26 |
| 2 | 98 596 | 0.0009 | 88 | 0.9991 | 98 552 | 7 036 166 | 71.36 |
| 3 | 98 509 | 0.0005 | 49 | 0.9995 | 98 484 | 6 937 613 | 70.43 |
| 4 | 98 459 | 0.0005 | 51 | 0.9995 | 98 434 | 6 839 129 | 69.46 |
| 5 | 98 409 | 0.0002 | 19 | 0.9998 | 98 399 | 6 740 695 | 68.50 |
| 6 | 98 390 | 0.0003 | 25 | 0.9997 | 98 377 | 6 642 296 | 67.51 |
| 7 | 98 364 | 0.0001 | 13 | 0.9999 | 98 358 | 6 543 919 | 66.53 |
| 8 | 98 351 | 0.0002 | 18 | 0.9998 | 98 342 | 6 445 562 | 65.54 |
| 9 | 98 333 | 0.0001 | 14 | 0.9999 | 98 326 | 6 347 219 | 64.55 |
| 10 | 98 319 | 0.0002 | 19 | 0.9998 | 98 310 | 6 248 893 | 63.56 |
| 11 | 98 301 | 0.0002 | 20 | 0.9998 | 98 291 | 6 150 583 | 62.57 |
| 12 | 98 281 | 0.0003 | 29 | 0.9997 | 98 267 | 6 052 292 | 61.58 |
| 13 | 98 252 | 0.0002 | 23 | 0.9998 | 98 241 | 5 954 026 | 60.60 |
| 14 | 98 229 | 0.0003 | 34 | 0.9997 | 98 212 | 5 855 785 | 59.61 |
| 15 | 98 195 | 0.0003 | 29 | 0.9997 | 98 181 | 5 757 572 | 58.63 |
| 16 | 98 166 | 0.0003 | 29 | 0.9997 | 98 152 | 5 659 391 | 57.65 |
| 17 | 98 137 | 0.0005 | 48 | 0.9995 | 98 113 | 5 561 240 | 56.67 |
| 18 | 98 089 | 0.0005 | 49 | 0.9995 | 98 065 | 5 463 126 | 55.70 |
| 19 | 98 040 | 0.0005 | 47 | 0.9995 | 98 017 | 5 365 061 | 54.72 |
| 20 | 97 993 | 0.0004 | 42 | 0.9996 | 97 972 | 5 267 044 | 53.75 |
| 21 | 97 951 | 0.0004 | 43 | 0.9996 | 97 930 | 5 169 072 | 52.77 |
| 22 | 97 908 | 0.0005 | 45 | 0.9995 | 97 885 | 5 071 143 | 51.79 |
| 23 | 97 863 | 0.0005 | 50 | 0.9995 | 97 838 | 4 973 257 | 50.82 |
| 24 | 97 813 | 0.0005 | 52 | 0.9995 | 97 787 | 4 875 419 | 49.84 |
| 25 | 97 761 | 0.0005 | 50 | 0.9995 | 97 736 | 4 777 633 | 48.87 |
| 26 | 97 711 | 0.0007 | 69 | 0.9993 | 97 676 | 4 679 897 | 47.90 |
| 27 | 97 642 | 0.0006 | 58 | 0.9994 | 97 613 | 4 582 221 | 46.93 |
| 28 | 97 584 | 0.0006 | 62 | 0.9994 | 97 553 | 4 484 608 | 45.96 |
| 29 | 97 522 | 0.0006 | 57 | 0.9994 | 97 494 | 4 387 054 | 44.99 |
| 30 | 97 465 | 0.0005 | 52 | 0.9995 | 97 439 | 4 289 561 | 44.01 |
| 31 | 97 413 | 0.0007 | 63 | 0.9993 | 97 381 | 4 192 122 | 43.03 |
| 32 | 97 350 | 0.0009 | 92 | 0.9991 | 97 303 | 4 094 741 | 42.06 |
| 33 | 97 257 | 0.0008 | 76 | 0.9992 | 97 219 | 3 997 437 | 41.10 |
| 34 | 97 181 | 0.0008 | 78 | 0.9992 | 97 142 | 3 900 218 | 40.13 |
| 35 | 97 103 | 0.0009 | 91 | 0.9991 | 97 058 | 3 803 076 | 39.17 |
| 36 | 97 012 | 0.0009 | 90 | 0.9991 | 96 967 | 3 706 018 | 38.20 |
| 37 | 96 922 | 0.0014 | 136 | 0.9986 | 96 854 | 3 609 051 | 37.24 |
| 38 | 96 786 | 0.0013 | 122 | 0.9987 | 96 725 | 3 512 197 | 36.29 |
| 39 | 96 664 | 0.0013 | 129 | 0.9987 | 96 599 | 3 415 472 | 35.33 |
| 40 | 96 534 | 0.0016 | 158 | 0.9984 | 96 455 | 3 318 873 | 34.38 |
| 41 | 96 376 | 0.0018 | 178 | 0.9982 | 96 287 | 3 222 418 | 33.44 |
| 42 | 96 198 | 0.0021 | 198 | 0.9979 | 96 099 | 3 126 130 | 32.50 |
| 43 | 96 001 | 0.0022 | 213 | 0.9978 | 95 894 | 3 030 031 | 31.56 |
| 44 | 95 787 | 0.0021 | 205 | 0.9979 | 95 685 | 2 934 137 | 30.63 |

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 45 | 95 582 | 0.0025 | 242 | 0.9975 | 95 461 | 2 838 453 | 29.70 |
| 46 | 95 341 | 0.0024 | 233 | 0.9976 | 95 224 | 2 742 991 | 28.77 |
| 47 | 95 107 | 0.0030 | 284 | 0.9970 | 94 965 | 2 647 767 | 27.84 |
| 48 | 94 823 | 0.0034 | 319 | 0.9966 | 94 663 | 2 552 802 | 26.92 |
| 49 | 94 504 | 0.0041 | 384 | 0.9959 | 94 312 | 2 458 139 | 26.01 |
| 50 | 94 120 | 0.0040 | 373 | 0.9960 | 93 934 | 2 363 827 | 25.11 |
| 51 | 93 748 | 0.0040 | 377 | 0.9960 | 93 559 | 2 269 893 | 24.21 |
| 52 | 93 370 | 0.0045 | 420 | 0.9955 | 93 161 | 2 176 334 | 23.31 |
| 53 | 92 951 | 0.0047 | 440 | 0.9953 | 92 731 | 2 083 173 | 22.41 |
| 54 | 92 511 | 0.0060 | 553 | 0.9940 | 92 234 | 1 990 442 | 21.52 |
| 55 | 91 958 | 0.0062 | 571 | 0.9938 | 91 673 | 1 898 208 | 20.64 |
| 56 | 91 387 | 0.0067 | 613 | 0.9933 | 91 081 | 1 806 535 | 19.77 |
| 57 | 90 775 | 0.0072 | 657 | 0.9928 | 90 446 | 1 715 455 | 18.90 |
| 58 | 90 117 | 0.0089 | 802 | 0.9911 | 89 716 | 1 625 009 | 18.03 |
| 59 | 89 315 | 0.0099 | 884 | 0.9901 | 88 873 | 1 535 292 | 17.19 |
| 60 | 88 432 | 0.0102 | 899 | 0.9898 | 87 982 | 1 446 419 | 16.36 |
| 61 | 87 533 | 0.0110 | 962 | 0.9890 | 87 051 | 1 358 437 | 15.52 |
| 62 | 86 570 | 0.0125 | 1 079 | 0.9875 | 86 031 | 1 271 385 | 14.69 |
| 63 | 85 491 | 0.0136 | 1 161 | 0.9864 | 84 911 | 1 185 354 | 13.87 |
| 64 | 84 331 | 0.0157 | 1 325 | 0.9843 | 83 668 | 1 100 443 | 13.05 |
| 65 | 83 005 | 0.0164 | 1 359 | 0.9836 | 82 326 | 1 016 775 | 12.25 |
| 66 | 81 647 | 0.0194 | 1 584 | 0.9806 | 80 855 | 934 450 | 11.45 |
| 67 | 80 063 | 0.0220 | 1 761 | 0.9780 | 79 183 | 853 595 | 10.66 |
| 68 | 78 302 | 0.0236 | 1 850 | 0.9764 | 77 377 | 774 412 | 9.89 |
| 69 | 76 452 | 0.0250 | 1 908 | 0.9750 | 75 498 | 697 035 | 9.12 |
| 70 | 74 544 | 0.0297 | 2 217 | 0.9703 | 73 435 | 621 537 | 8.34 |
| 71 | 72 326 | 0.0345 | 2 494 | 0.9655 | 71 079 | 548 102 | 7.58 |
| 72 | 69 832 | 0.0378 | 2 636 | 0.9622 | 68 514 | 477 022 | 6.83 |
| 73 | 67 196 | 0.0446 | 3 000 | 0.9554 | 65 696 | 408 508 | 6.08 |
| 74 | 64 196 | 0.0497 | 3 189 | 0.9503 | 62 602 | 342 812 | 5.34 |
| 75 | 61 007 | 0.0542 | 3 306 | 0.9458 | 59 354 | 280 210 | 4.59 |
| 76 | 57 701 | 0.0641 | 3 699 | 0.9359 | 55 851 | 220 856 | 3.83 |
| 77 | 54 002 | 0.0737 | 3 982 | 0.9263 | 52 011 | 165 005 | 3.06 |
| 78 | 50 020 | 0.0802 | 4 012 | 0.9198 | 48 014 | 112 994 | 2.26 |
| 79 | 46 008 | 0.0877 | 4 033 | 0.9123 | 43 992 | 64 979 | 1.41 |
| 80 | 41 975 | 1.0000 | 41 975 | 0.0000 | 20 988 | 20 988 | 0.50 |

Table 3. Life table without migration (male, rural, 1996-1998)

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 0 | 100 000 | 0.0204 | 2 043 | 0.9796 | 98 979 | 6 490 987 | 64.91 |
| 1 | 97 957 | 0.0021 | 207 | 0.9979 | 97 853 | 6 392 009 | 65.25 |
| 2 | 97 750 | 0.0015 | 144 | 0.9985 | 97 678 | 6 294 155 | 64.39 |
| 3 | 97 605 | 0.0019 | 185 | 0.9981 | 97 513 | 6 196 478 | 63.49 |
| 4 | 97 420 | 0.0011 | 104 | 0.9989 | 97 368 | 6 098 965 | 62.60 |
| 5 | 97 316 | 0.0010 | 98 | 0.9990 | 97 267 | 6 001 597 | 61.67 |
| 6 | 97 219 | 0.0008 | 80 | 0.9992 | 97 179 | 5 904 329 | 60.73 |
| 7 | 97 139 | 0.0008 | 80 | 0.9992 | 97 099 | 5 807 151 | 59.78 |
| 8 | 97 059 | 0.0006 | 60 | 0.9994 | 97 029 | 5 710 052 | 58.83 |
| 9 | 96 999 | 0.0006 | 60 | 0.9994 | 96 969 | 5 613 023 | 57.87 |
| 10 | 96 939 | 0.0006 | 61 | 0.9994 | 96 908 | 5 516 054 | 56.90 |
| 11 | 96 878 | 0.0006 | 55 | 0.9994 | 96 850 | 5 419 146 | 55.94 |
| 12 | 96 823 | 0.0006 | 56 | 0.9994 | 96 795 | 5 322 295 | 54.97 |
| 13 | 96 767 | 0.0009 | 87 | 0.9991 | 96 723 | 5 225 500 | 54.00 |
| 14 | 96 680 | 0.0005 | 53 | 0.9995 | 96 653 | 5 128 776 | 53.05 |
| 15 | 96 627 | 0.0008 | 75 | 0.9992 | 96 590 | 5 032 123 | 52.08 |
| 16 | 96 552 | 0.0008 | 77 | 0.9992 | 96 514 | 4 935 533 | 51.12 |
| 17 | 96 475 | 0.0010 | 96 | 0.9990 | 96 427 | 4 839 019 | 50.16 |
| 18 | 96 379 | 0.0013 | 126 | 0.9987 | 96 317 | 4 742 592 | 49.21 |
| 19 | 96 254 | 0.0016 | 156 | 0.9984 | 96 176 | 4 646 276 | 48.27 |
| 20 | 96 098 | 0.0016 | 151 | 0.9984 | 96 022 | 4 550 100 | 47.35 |
| 21 | 95 946 | 0.0017 | 165 | 0.9983 | 95 864 | 4 454 078 | 46.42 |
| 22 | 95 781 | 0.0014 | 131 | 0.9986 | 95 715 | 4 358 214 | 45.50 |
| 23 | 95 650 | 0.0017 | 164 | 0.9983 | 95 568 | 4 262 499 | 44.56 |
| 24 | 95 486 | 0.0017 | 160 | 0.9983 | 95 405 | 4 166 931 | 43.64 |
| 25 | 95 325 | 0.0013 | 125 | 0.9987 | 95 263 | 4 071 526 | 42.71 |
| 26 | 95 200 | 0.0013 | 124 | 0.9987 | 95 138 | 3 976 263 | 41.77 |
| 27 | 95 076 | 0.0016 | 157 | 0.9984 | 94 997 | 3 881 125 | 40.82 |
| 28 | 94 919 | 0.0018 | 169 | 0.9982 | 94 835 | 3 786 127 | 39.89 |
| 29 | 94 750 | 0.0017 | 160 | 0.9983 | 94 670 | 3 691 293 | 38.96 |
| 30 | 94 591 | 0.0019 | 184 | 0.9981 | 94 499 | 3 596 622 | 38.02 |
| 31 | 94 407 | 0.0020 | 184 | 0.9980 | 94 314 | 3 502 124 | 37.10 |
| 32 | 94 222 | 0.0026 | 242 | 0.9974 | 94 101 | 3 407 809 | 36.17 |
| 33 | 93 981 | 0.0030 | 281 | 0.9970 | 93 840 | 3 313 708 | 35.26 |
| 34 | 93 700 | 0.0027 | 251 | 0.9973 | 93 574 | 3 219 868 | 34.36 |
| 35 | 93 449 | 0.0029 | 275 | 0.9971 | 93 311 | 3 126 293 | 33.45 |
| 36 | 93 174 | 0.0036 | 331 | 0.9964 | 93 008 | 3 032 982 | 32.55 |
| 37 | 92 843 | 0.0037 | 346 | 0.9963 | 92 670 | 2 939 973 | 31.67 |
| 38 | 92 497 | 0.0044 | 408 | 0.9956 | 92 293 | 2 847 303 | 30.78 |
| 39 | 92 089 | 0.0046 | 427 | 0.9954 | 91 875 | 2 755 011 | 29.92 |
| 40 | 91 662 | 0.0052 | 474 | 0.9948 | 91 424 | 2 663 135 | 29.05 |
| 41 | 91 187 | 0.0053 | 480 | 0.9947 | 90 947 | 2 571 711 | 28.20 |
| 42 | 90 707 | 0.0066 | 597 | 0.9934 | 90 408 | 2 480 764 | 27.35 |
| 43 | 90 110 | 0.0070 | 630 | 0.9930 | 89 795 | 2 390 356 | 26.53 |
| 44 | 89 480 | 0.0078 | 699 | 0.9922 | 89 131 | 2 300 561 | 25.71 |

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 45 | 88 781 | 0.0089 | 787 | 0.9911 | 88 388 | 2 211 430 | 24.91 |
| 46 | 87 994 | 0.0083 | 735 | 0.9917 | 87 627 | 2 123 042 | 24.13 |
| 47 | 87 260 | 0.0111 | 967 | 0.9889 | 86 776 | 2 035 415 | 23.33 |
| 48 | 86 293 | 0.0119 | 1 029 | 0.9881 | 85 778 | 1 948 639 | 22.58 |
| 49 | 85 264 | 0.0122 | 1 036 | 0.9878 | 84 746 | 1 862 861 | 21.85 |
| 50 | 84 228 | 0.0128 | 1 078 | 0.9872 | 83 689 | 1 778 115 | 21.11 |
| 51 | 83 150 | 0.0141 | 1 176 | 0.9859 | 82 562 | 1 694 427 | 20.38 |
| 52 | 81 974 | 0.0143 | 1 172 | 0.9857 | 81 388 | 1 611 865 | 19.66 |
| 53 | 80 802 | 0.0175 | 1 415 | 0.9825 | 80 095 | 1 530 477 | 18.94 |
| 54 | 79 387 | 0.0169 | 1 345 | 0.9831 | 78 715 | 1 450 382 | 18.27 |
| 55 | 78 043 | 0.0163 | 1 273 | 0.9837 | 77 406 | 1 371 667 | 17.58 |
| 56 | 76 770 | 0.0189 | 1 454 | 0.9811 | 76 043 | 1 294 261 | 16.86 |
| 57 | 75 316 | 0.0194 | 1 461 | 0.9806 | 74 585 | 1 218 219 | 16.17 |
| 58 | 73 855 | 0.0206 | 1 520 | 0.9794 | 73 095 | 1 143 633 | 15.48 |
| 59 | 72 335 | 0.0217 | 1 567 | 0.9783 | 71 552 | 1 070 538 | 14.80 |
| 60 | 70 768 | 0.0241 | 1 705 | 0.9759 | 69 916 | 998 986 | 14.12 |
| 61 | 69 063 | 0.0258 | 1 781 | 0.9742 | 68 173 | 929 070 | 13.45 |
| 62 | 67 282 | 0.0266 | 1 792 | 0.9734 | 66 386 | 860 898 | 12.80 |
| 63 | 65 490 | 0.0291 | 1 903 | 0.9709 | 64 538 | 794 511 | 12.13 |
| 64 | 63 587 | 0.0318 | 2 025 | 0.9682 | 62 575 | 729 973 | 11.48 |
| 65 | 61 562 | 0.0328 | 2 018 | 0.9672 | 60 553 | 667 398 | 10.84 |
| 66 | 59 544 | 0.0350 | 2 086 | 0.9650 | 58 501 | 606 845 | 10.19 |
| 67 | 57 458 | 0.0367 | 2 111 | 0.9633 | 56 402 | 548 344 | 9.54 |
| 68 | 55 347 | 0.0412 | 2 283 | 0.9588 | 54 206 | 491 942 | 8.89 |
| 69 | 53 064 | 0.0438 | 2 323 | 0.9562 | 51 903 | 437 737 | 8.25 |
| 70 | 50 741 | 0.0478 | 2 428 | 0.9522 | 49 527 | 385 834 | 7.60 |
| 71 | 48 313 | 0.0538 | 2 600 | 0.9462 | 47 013 | 336 307 | 6.96 |
| 72 | 45 713 | 0.0577 | 2 639 | 0.9423 | 44 394 | 289 294 | 6.33 |
| 73 | 43 074 | 0.0642 | 2 764 | 0.9358 | 41 692 | 244 900 | 5.69 |
| 74 | 40 310 | 0.0678 | 2 731 | 0.9322 | 38 944 | 203 208 | 5.04 |
| 75 | 37 579 | 0.0739 | 2 778 | 0.9261 | 36 190 | 164 264 | 4.37 |
| 76 | 34 800 | 0.0823 | 2 863 | 0.9177 | 33 369 | 128 074 | 3.68 |
| 77 | 31 938 | 0.0901 | 2 877 | 0.9099 | 30 499 | 94 705 | 2.97 |
| 78 | 29 061 | 0.0958 | 2 785 | 0.9042 | 27 669 | 64 206 | 2.21 |
| 79 | 26 276 | 0.1095 | 2 877 | 0.8905 | 24 838 | 36 537 | 1.39 |
| 80 | 23 399 | 1.0000 | 23 399 | 0.0000 | 11 699 | 11 699 | 0.50 |

Table 4. Life table without migration (female, rural, 1996-1998)

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 0 | 100 000 | 0.0172 | 1 719 | 0.9828 | 99 141 | 7 123 461 | 71.23 |
| 1 | 98 281 | 0.0017 | 169 | 0.9983 | 98 196 | 7 024 321 | 71.47 |
| 2 | 98 112 | 0.0009 | 88 | 0.9991 | 98 068 | 6 926 124 | 70.59 |
| 3 | 98 024 | 0.0013 | 129 | 0.9987 | 97 959 | 6 828 056 | 69.66 |
| 4 | 97 895 | 0.0014 | 137 | 0.9986 | 97 826 | 6 730 097 | 68.75 |
| 5 | 97 758 | 0.0006 | 55 | 0.9994 | 97 730 | 6 632 270 | 67.84 |
| 6 | 97 703 | 0.0009 | 88 | 0.9991 | 97 659 | 6 534 540 | 66.88 |
| 7 | 97 615 | 0.0009 | 85 | 0.9991 | 97 572 | 6 436 881 | 65.94 |
| 8 | 97 530 | 0.0006 | 54 | 0.9994 | 97 502 | 6 339 309 | 65.00 |
| 9 | 97 475 | 0.0005 | 48 | 0.9995 | 97 451 | 6 241 807 | 64.03 |
| 10 | 97 427 | 0.0006 | 61 | 0.9994 | 97 397 | 6 144 355 | 63.07 |
| 11 | 97 366 | 0.0008 | 81 | 0.9992 | 97 326 | 6 046 958 | 62.11 |
| 12 | 97 285 | 0.0004 | 39 | 0.9996 | 97 266 | 5 949 633 | 61.16 |
| 13 | 97 247 | 0.0005 | 50 | 0.9995 | 97 222 | 5 852 366 | 60.18 |
| 14 | 97 197 | 0.0005 | 47 | 0.9995 | 97 173 | 5 755 145 | 59.21 |
| 15 | 97 150 | 0.0005 | 47 | 0.9995 | 97 126 | 5 657 972 | 58.24 |
| 16 | 97 103 | 0.0005 | 50 | 0.9995 | 97 078 | 5 560 845 | 57.27 |
| 17 | 97 053 | 0.0004 | 35 | 0.9996 | 97 035 | 5 463 767 | 56.30 |
| 18 | 97 018 | 0.0008 | 73 | 0.9992 | 96 981 | 5 366 732 | 55.32 |
| 19 | 96 944 | 0.0008 | 76 | 0.9992 | 96 906 | 5 269 751 | 54.36 |
| 20 | 96 869 | 0.0011 | 103 | 0.9989 | 96 817 | 5 172 845 | 53.40 |
| 21 | 96 766 | 0.0007 | 66 | 0.9993 | 96 733 | 5 076 028 | 52.46 |
| 22 | 96 700 | 0.0006 | 59 | 0.9994 | 96 670 | 4 979 295 | 51.49 |
| 23 | 96 641 | 0.0007 | 66 | 0.9993 | 96 608 | 4 882 625 | 50.52 |
| 24 | 96 575 | 0.0007 | 71 | 0.9993 | 96 539 | 4 786 017 | 49.56 |
| 25 | 96 504 | 0.0009 | 85 | 0.9991 | 96 461 | 4 689 478 | 48.59 |
| 26 | 96 419 | 0.0009 | 88 | 0.9991 | 96 375 | 4 593 017 | 47.64 |
| 27 | 96 331 | 0.0011 | 107 | 0.9989 | 96 278 | 4 496 641 | 46.68 |
| 28 | 96 224 | 0.0008 | 74 | 0.9992 | 96 187 | 4 400 363 | 45.73 |
| 29 | 96 150 | 0.0010 | 97 | 0.9990 | 96 101 | 4 304 176 | 44.77 |
| 30 | 96 053 | 0.0009 | 87 | 0.9991 | 96 009 | 4 208 075 | 43.81 |
| 31 | 95 966 | 0.0008 | 75 | 0.9992 | 95 929 | 4 112 066 | 42.85 |
| 32 | 95 891 | 0.0008 | 76 | 0.9992 | 95 853 | 4 016 137 | 41.88 |
| 33 | 95 815 | 0.0012 | 115 | 0.9988 | 95 758 | 3 920 284 | 40.92 |
| 34 | 95 700 | 0.0013 | 126 | 0.9987 | 95 637 | 3 824 526 | 39.96 |
| 35 | 95 574 | 0.0014 | 133 | 0.9986 | 95 507 | 3 728 889 | 39.02 |
| 36 | 95 440 | 0.0014 | 131 | 0.9986 | 95 375 | 3 633 382 | 38.07 |
| 37 | 95 309 | 0.0017 | 166 | 0.9983 | 95 227 | 3 538 007 | 37.12 |
| 38 | 95 144 | 0.0020 | 190 | 0.9980 | 95 049 | 3 442 781 | 36.19 |
| 39 | 94 954 | 0.0018 | 169 | 0.9982 | 94 869 | 3 347 732 | 35.26 |
| 40 | 94 785 | 0.0022 | 206 | 0.9978 | 94 682 | 3 252 862 | 34.32 |
| 41 | 94 579 | 0.0018 | 172 | 0.9982 | 94 493 | 3 158 180 | 33.39 |
| 42 | 94 407 | 0.0021 | 201 | 0.9979 | 94 307 | 3 063 687 | 32.45 |
| 43 | 94 206 | 0.0025 | 240 | 0.9975 | 94 086 | 2 969 381 | 31.52 |
| 44 | 93 966 | 0.0026 | 249 | 0.9974 | 93 841 | 2 875 295 | 30.60 |

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 45 | 93 717 | 0.0027 | 254 | 0.9973 | 93 590 | 2 781 453 | 29.68 |
| 46 | 93 462 | 0.0036 | 339 | 0.9964 | 93 293 | 2 687 864 | 28.76 |
| 47 | 93 123 | 0.0037 | 342 | 0.9963 | 92 952 | 2 594 571 | 27.86 |
| 48 | 92 782 | 0.0037 | 344 | 0.9963 | 92 610 | 2 501 618 | 26.96 |
| 49 | 92 438 | 0.0042 | 393 | 0.9958 | 92 242 | 2 409 009 | 26.06 |
| 50 | 92 045 | 0.0050 | 462 | 0.9950 | 91 814 | 2 316 767 | 25.17 |
| 51 | 91 583 | 0.0051 | 471 | 0.9949 | 91 347 | 2 224 953 | 24.29 |
| 52 | 91 112 | 0.0053 | 480 | 0.9947 | 90 872 | 2 133 606 | 23.42 |
| 53 | 90 632 | 0.0060 | 546 | 0.9940 | 90 359 | 2 042 734 | 22.54 |
| 54 | 90 086 | 0.0059 | 528 | 0.9941 | 89 822 | 1 952 375 | 21.67 |
| 55 | 89 558 | 0.0066 | 589 | 0.9934 | 89 264 | 1 862 552 | 20.80 |
| 56 | 88 970 | 0.0071 | 630 | 0.9929 | 88 655 | 1 773 288 | 19.93 |
| 57 | 88 340 | 0.0074 | 653 | 0.9926 | 88 014 | 1 684 633 | 19.07 |
| 58 | 87 687 | 0.0078 | 687 | 0.9922 | 87 344 | 1 596 620 | 18.21 |
| 59 | 87 000 | 0.0082 | 711 | 0.9918 | 86 645 | 1 509 276 | 17.35 |
| 60 | 86 289 | 0.0094 | 815 | 0.9906 | 85 882 | 1 422 632 | 16.49 |
| 61 | 85 474 | 0.0110 | 940 | 0.9890 | 85 004 | 1 336 750 | 15.64 |
| 62 | 84 534 | 0.0122 | 1 029 | 0.9878 | 84 020 | 1 251 745 | 14.81 |
| 63 | 83 506 | 0.0139 | 1 158 | 0.9861 | 82 927 | 1 167 725 | 13.98 |
| 64 | 82 348 | 0.0154 | 1 268 | 0.9846 | 81 714 | 1 084 798 | 13.17 |
| 65 | 81 081 | 0.0170 | 1 376 | 0.9830 | 80 392 | 1 003 084 | 12.37 |
| 66 | 79 704 | 0.0180 | 1 435 | 0.9820 | 78 987 | 922 691 | 11.58 |
| 67 | 78 270 | 0.0206 | 1 609 | 0.9794 | 77 465 | 843 704 | 10.78 |
| 68 | 76 661 | 0.0232 | 1 776 | 0.9768 | 75 773 | 766 239 | 10.00 |
| 69 | 74 885 | 0.0253 | 1 892 | 0.9747 | 73 939 | 690 467 | 9.22 |
| 70 | 72 993 | 0.0273 | 1 990 | 0.9727 | 71 998 | 616 528 | 8.45 |
| 71 | 71 003 | 0.0322 | 2 288 | 0.9678 | 69 859 | 544 529 | 7.67 |
| 72 | 68 715 | 0.0376 | 2 583 | 0.9624 | 67 424 | 474 670 | 6.91 |
| 73 | 66 132 | 0.0424 | 2 802 | 0.9576 | 64 731 | 407 246 | 6.16 |
| 74 | 63 331 | 0.0473 | 2 997 | 0.9527 | 61 832 | 342 515 | 5.41 |
| 75 | 60 333 | 0.0518 | 3 127 | 0.9482 | 58 770 | 280 683 | 4.65 |
| 76 | 57 206 | 0.0608 | 3 476 | 0.9392 | 55 468 | 221 913 | 3.88 |
| 77 | 53 730 | 0.0641 | 3 445 | 0.9359 | 52 008 | 166 445 | 3.10 |
| 78 | 50 285 | 0.0748 | 3 761 | 0.9252 | 48 405 | 114 438 | 2.28 |
| 79 | 46 524 | 0.0807 | 3 753 | 0.9193 | 44 648 | 66 033 | 1.42 |
| 80 | 42 771 | 1.0000 | 42 771 | 0.0000 | 21 386 | 21 386 | 0.50 |

Table 5. Life table without migration (male, urban, 2001-2003)

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 0 | 100 000 | 0.0136 | 1 355 | 0.9864 | 99 322 | 6 794 111 | 67.94 |
| 1 | 98 645 | 0.0009 | 86 | 0.9991 | 98 602 | 6 694 789 | 67.87 |
| 2 | 98 559 | 0.0005 | 45 | 0.9995 | 98 536 | 6 596 187 | 66.93 |
| 3 | 98 514 | 0.0004 | 43 | 0.9996 | 98 493 | 6 497 651 | 65.96 |
| 4 | 98 471 | 0.0003 | 31 | 0.9997 | 98 456 | 6 399 158 | 64.98 |
| 5 | 98 440 | 0.0002 | 22 | 0.9998 | 98 429 | 6 300 702 | 64.01 |
| 6 | 98 418 | 0.0002 | 23 | 0.9998 | 98 407 | 6 202 273 | 63.02 |
| 7 | 98 395 | 0.0003 | 28 | 0.9997 | 98 381 | 6 103 866 | 62.03 |
| 8 | 98 368 | 0.0002 | 19 | 0.9998 | 98 358 | 6 005 484 | 61.05 |
| 9 | 98 349 | 0.0002 | 22 | 0.9998 | 98 338 | 5 907 126 | 60.06 |
| 10 | 98 327 | 0.0003 | 26 | 0.9997 | 98 314 | 5 808 788 | 59.08 |
| 11 | 98 301 | 0.0004 | 38 | 0.9996 | 98 282 | 5 710 474 | 58.09 |
| 12 | 98 264 | 0.0003 | 33 | 0.9997 | 98 247 | 5 612 192 | 57.11 |
| 13 | 98 230 | 0.0003 | 25 | 0.9997 | 98 218 | 5 513 945 | 56.13 |
| 14 | 98 205 | 0.0004 | 38 | 0.9996 | 98 186 | 5 415 728 | 55.15 |
| 15 | 98 167 | 0.0004 | 37 | 0.9996 | 98 148 | 5 317 542 | 54.17 |
| 16 | 98 130 | 0.0006 | 63 | 0.9994 | 98 098 | 5 219 394 | 53.19 |
| 17 | 98 067 | 0.0006 | 59 | 0.9994 | 98 037 | 5 121 296 | 52.22 |
| 18 | 98 008 | 0.0008 | 75 | 0.9992 | 97 971 | 5 023 258 | 51.25 |
| 19 | 97 933 | 0.0009 | 83 | 0.9991 | 97 891 | 4 925 288 | 50.29 |
| 20 | 97 850 | 0.0011 | 109 | 0.9989 | 97 795 | 4 827 396 | 49.33 |
| 21 | 97 741 | 0.0012 | 117 | 0.9988 | 97 682 | 4 729 601 | 48.39 |
| 22 | 97 623 | 0.0010 | 100 | 0.9990 | 97 573 | 4 631 919 | 47.45 |
| 23 | 97 523 | 0.0010 | 102 | 0.9990 | 97 472 | 4 534 346 | 46.50 |
| 24 | 97 421 | 0.0010 | 99 | 0.9990 | 97 372 | 4 436 874 | 45.54 |
| 25 | 97 322 | 0.0010 | 101 | 0.9990 | 97 272 | 4 339 502 | 44.59 |
| 26 | 97 221 | 0.0009 | 84 | 0.9991 | 97 179 | 4 242 231 | 43.63 |
| 27 | 97 137 | 0.0012 | 115 | 0.9988 | 97 079 | 4 145 052 | 42.67 |
| 28 | 97 021 | 0.0012 | 120 | 0.9988 | 96 961 | 4 047 973 | 41.72 |
| 29 | 96 902 | 0.0011 | 108 | 0.9989 | 96 847 | 3 951 012 | 40.77 |
| 30 | 96 793 | 0.0013 | 128 | 0.9987 | 96 729 | 3 854 164 | 39.82 |
| 31 | 96 665 | 0.0013 | 125 | 0.9987 | 96 603 | 3 757 435 | 38.87 |
| 32 | 96 541 | 0.0014 | 132 | 0.9986 | 96 475 | 3 660 832 | 37.92 |
| 33 | 96 409 | 0.0016 | 153 | 0.9984 | 96 332 | 3 564 357 | 36.97 |
| 34 | 96 256 | 0.0018 | 173 | 0.9982 | 96 169 | 3 468 025 | 36.03 |
| 35 | 96 083 | 0.0016 | 157 | 0.9984 | 96 005 | 3 371 855 | 35.09 |
| 36 | 95 926 | 0.0024 | 233 | 0.9976 | 95 810 | 3 275 851 | 34.15 |
| 37 | 95 694 | 0.0023 | 217 | 0.9977 | 95 585 | 3 180 041 | 33.23 |
| 38 | 95 477 | 0.0022 | 213 | 0.9978 | 95 371 | 3 084 456 | 32.31 |
| 39 | 95 264 | 0.0028 | 269 | 0.9972 | 95 130 | 2 989 085 | 31.38 |
| 40 | 94 995 | 0.0029 | 272 | 0.9971 | 94 859 | 2 893 955 | 30.46 |
| 41 | 94 724 | 0.0034 | 321 | 0.9966 | 94 563 | 2 799 096 | 29.55 |
| 42 | 94 403 | 0.0040 | 381 | 0.9960 | 94 213 | 2 704 533 | 28.65 |
| 43 | 94 022 | 0.0048 | 452 | 0.9952 | 93 796 | 2 610 320 | 27.76 |
| 44 | 93 570 | 0.0054 | 504 | 0.9946 | 93 318 | 2 516 524 | 26.89 |

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 45 | 93 066 | 0.0053 | 492 | 0.9947 | 92 820 | 2 423 206 | 26.04 |
| 46 | 92 574 | 0.0061 | 567 | 0.9939 | 92 290 | 2 330 386 | 25.17 |
| 47 | 92 007 | 0.0066 | 608 | 0.9934 | 91 703 | 2 238 096 | 24.33 |
| 48 | 91 399 | 0.0073 | 671 | 0.9927 | 91 063 | 2 146 393 | 23.48 |
| 49 | 90 727 | 0.0084 | 764 | 0.9916 | 90 345 | 2 055 331 | 22.65 |
| 50 | 89 963 | 0.0090 | 807 | 0.9910 | 89 559 | 1 964 985 | 21.84 |
| 51 | 89 156 | 0.0099 | 882 | 0.9901 | 88 715 | 1 875 426 | 21.04 |
| 52 | 88 273 | 0.0111 | 977 | 0.9889 | 87 785 | 1 786 712 | 20.24 |
| 53 | 87 296 | 0.0130 | 1 138 | 0.9870 | 86 728 | 1 698 927 | 19.46 |
| 54 | 86 159 | 0.0136 | 1 169 | 0.9864 | 85 575 | 1 612 199 | 18.71 |
| 55 | 84 990 | 0.0137 | 1 161 | 0.9863 | 84 410 | 1 526 625 | 17.96 |
| 56 | 83 829 | 0.0151 | 1 266 | 0.9849 | 83 196 | 1 442 215 | 17.20 |
| 57 | 82 563 | 0.0173 | 1 428 | 0.9827 | 81 849 | 1 359 019 | 16.46 |
| 58 | 81 135 | 0.0190 | 1 545 | 0.9810 | 80 363 | 1 277 170 | 15.74 |
| 59 | 79 590 | 0.0202 | 1 606 | 0.9798 | 78 787 | 1 196 807 | 15.04 |
| 60 | 77 984 | 0.0221 | 1 722 | 0.9779 | 77 124 | 1 118 020 | 14.34 |
| 61 | 76 263 | 0.0225 | 1 718 | 0.9775 | 75 404 | 1 040 896 | 13.65 |
| 62 | 74 545 | 0.0249 | 1 859 | 0.9751 | 73 616 | 965 493 | 12.95 |
| 63 | 72 686 | 0.0296 | 2 152 | 0.9704 | 71 610 | 891 877 | 12.27 |
| 64 | 70 534 | 0.0292 | 2 056 | 0.9708 | 69 506 | 820 267 | 11.63 |
| 65 | 68 478 | 0.0322 | 2 204 | 0.9678 | 67 376 | 750 761 | 10.96 |
| 66 | 66 274 | 0.0325 | 2 153 | 0.9675 | 65 198 | 683 385 | 10.31 |
| 67 | 64 121 | 0.0345 | 2 213 | 0.9655 | 63 014 | 618 188 | 9.64 |
| 68 | 61 908 | 0.0395 | 2 444 | 0.9605 | 60 686 | 555 173 | 8.97 |
| 69 | 59 464 | 0.0432 | 2 570 | 0.9568 | 58 179 | 494 487 | 8.32 |
| 70 | 56 894 | 0.0477 | 2 716 | 0.9523 | 55 536 | 436 309 | 7.67 |
| 71 | 54 178 | 0.0502 | 2 722 | 0.9498 | 52 817 | 380 773 | 7.03 |
| 72 | 51 456 | 0.0549 | 2 827 | 0.9451 | 50 042 | 327 956 | 6.37 |
| 73 | 48 628 | 0.0591 | 2 872 | 0.9409 | 47 192 | 277 914 | 5.72 |
| 74 | 45 756 | 0.0656 | 3 000 | 0.9344 | 44 256 | 230 722 | 5.04 |
| 75 | 42 756 | 0.0744 | 3 182 | 0.9256 | 41 165 | 186 467 | 4.36 |
| 76 | 39 574 | 0.0817 | 3 232 | 0.9183 | 37 958 | 145 302 | 3.67 |
| 77 | 36 341 | 0.0930 | 3 381 | 0.9070 | 34 651 | 107 344 | 2.95 |
| 78 | 32 960 | 0.0997 | 3 286 | 0.9003 | 31 317 | 72 693 | 2.21 |
| 79 | 29 674 | 0.1057 | 3 136 | 0.8943 | 28 106 | 41 376 | 1.39 |
| 80 | 26 539 | 1.0000 | 26 539 | 0.0000 | 13 269 | 13 269 | 0.50 |

Table 6. Life table without migration (female, urban, 2001-2003)

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 0 | 100 000 | 0.0113 | 1 134 | 0.9887 | 99 433 | 7 321 964 | 73.22 |
| 1 | 98 866 | 0.0006 | 58 | 0.9994 | 98 837 | 7 222 531 | 73.05 |
| 2 | 98 809 | 0.0003 | 34 | 0.9997 | 98 792 | 7 123 694 | 72.10 |
| 3 | 98 775 | 0.0003 | 31 | 0.9997 | 98 760 | 7 024 902 | 71.12 |
| 4 | 98 744 | 0.0002 | 22 | 0.9998 | 98 733 | 6 926 142 | 70.14 |
| 5 | 98 722 | 0.0002 | 24 | 0.9998 | 98 710 | 6 827 409 | 69.16 |
| 6 | 98 698 | 0.0002 | 22 | 0.9998 | 98 687 | 6 728 699 | 68.17 |
| 7 | 98 676 | 0.0002 | 17 | 0.9998 | 98 667 | 6 630 011 | 67.19 |
| 8 | 98 659 | 0.0002 | 16 | 0.9998 | 98 650 | 6 531 344 | 66.20 |
| 9 | 98 642 | 0.0002 | 18 | 0.9998 | 98 634 | 6 432 694 | 65.21 |
| 10 | 98 625 | 0.0001 | 7 | 0.9999 | 98 621 | 6 334 060 | 64.22 |
| 11 | 98 618 | 0.0002 | 16 | 0.9998 | 98 610 | 6 235 439 | 63.23 |
| 12 | 98 602 | 0.0002 | 18 | 0.9998 | 98 593 | 6 136 829 | 62.24 |
| 13 | 98 584 | 0.0002 | 20 | 0.9998 | 98 575 | 6 038 236 | 61.25 |
| 14 | 98 565 | 0.0002 | 19 | 0.9998 | 98 555 | 5 939 661 | 60.26 |
| 15 | 98 546 | 0.0002 | 21 | 0.9998 | 98 535 | 5 841 106 | 59.27 |
| 16 | 98 524 | 0.0002 | 20 | 0.9998 | 98 514 | 5 742 571 | 58.29 |
| 17 | 98 505 | 0.0003 | 27 | 0.9997 | 98 491 | 5 644 057 | 57.30 |
| 18 | 98 477 | 0.0003 | 28 | 0.9997 | 98 463 | 5 545 566 | 56.31 |
| 19 | 98 449 | 0.0004 | 41 | 0.9996 | 98 429 | 5 447 103 | 55.33 |
| 20 | 98 408 | 0.0005 | 46 | 0.9995 | 98 385 | 5 348 674 | 54.35 |
| 21 | 98 362 | 0.0004 | 39 | 0.9996 | 98 343 | 5 250 289 | 53.38 |
| 22 | 98 323 | 0.0003 | 29 | 0.9997 | 98 309 | 5 151 947 | 52.40 |
| 23 | 98 294 | 0.0004 | 38 | 0.9996 | 98 275 | 5 053 638 | 51.41 |
| 24 | 98 256 | 0.0004 | 41 | 0.9996 | 98 235 | 4 955 363 | 50.43 |
| 25 | 98 215 | 0.0005 | 47 | 0.9995 | 98 191 | 4 857 128 | 49.45 |
| 26 | 98 168 | 0.0004 | 35 | 0.9996 | 98 150 | 4 758 937 | 48.48 |
| 27 | 98 133 | 0.0004 | 41 | 0.9996 | 98 112 | 4 660 786 | 47.49 |
| 28 | 98 092 | 0.0006 | 55 | 0.9994 | 98 065 | 4 562 674 | 46.51 |
| 29 | 98 037 | 0.0005 | 48 | 0.9995 | 98 013 | 4 464 609 | 45.54 |
| 30 | 97 989 | 0.0005 | 49 | 0.9995 | 97 965 | 4 366 596 | 44.56 |
| 31 | 97 941 | 0.0006 | 60 | 0.9994 | 97 910 | 4 268 631 | 43.58 |
| 32 | 97 880 | 0.0006 | 59 | 0.9994 | 97 851 | 4 170 721 | 42.61 |
| 33 | 97 821 | 0.0009 | 87 | 0.9991 | 97 778 | 4 072 870 | 41.64 |
| 34 | 97 735 | 0.0008 | 80 | 0.9992 | 97 695 | 3 975 092 | 40.67 |
| 35 | 97 655 | 0.0009 | 86 | 0.9991 | 97 611 | 3 877 398 | 39.71 |
| 36 | 97 568 | 0.0010 | 101 | 0.9990 | 97 518 | 3 779 786 | 38.74 |
| 37 | 97 468 | 0.0011 | 107 | 0.9989 | 97 414 | 3 682 268 | 37.78 |
| 38 | 97 360 | 0.0012 | 116 | 0.9988 | 97 302 | 3 584 854 | 36.82 |
| 39 | 97 244 | 0.0014 | 136 | 0.9986 | 97 176 | 3 487 552 | 35.86 |
| 40 | 97 108 | 0.0016 | 155 | 0.9984 | 97 030 | 3 390 376 | 34.91 |
| 41 | 96 953 | 0.0015 | 146 | 0.9985 | 96 880 | 3 293 346 | 33.97 |
| 42 | 96 808 | 0.0016 | 159 | 0.9984 | 96 728 | 3 196 465 | 33.02 |
| 43 | 96 649 | 0.0019 | 188 | 0.9981 | 96 555 | 3 099 737 | 32.07 |
| 44 | 96 461 | 0.0020 | 197 | 0.9980 | 96 363 | 3 003 182 | 31.13 |

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 45 | 96 264 | 0.0025 | 240 | 0.9975 | 96 144 | 2 906 819 | 30.20 |
| 46 | 96 024 | 0.0026 | 246 | 0.9974 | 95 901 | 2 810 675 | 29.27 |
| 47 | 95 778 | 0.0030 | 285 | 0.9970 | 95 636 | 2 714 774 | 28.34 |
| 48 | 95 493 | 0.0031 | 299 | 0.9969 | 95 344 | 2 619 138 | 27.43 |
| 49 | 95 194 | 0.0031 | 298 | 0.9969 | 95 045 | 2 523 795 | 26.51 |
| 50 | 94 896 | 0.0038 | 360 | 0.9962 | 94 716 | 2 428 749 | 25.59 |
| 51 | 94 536 | 0.0039 | 373 | 0.9961 | 94 349 | 2 334 034 | 24.69 |
| 52 | 94 163 | 0.0046 | 435 | 0.9954 | 93 945 | 2 239 684 | 23.79 |
| 53 | 93 728 | 0.0047 | 438 | 0.9953 | 93 509 | 2 145 739 | 22.89 |
| 54 | 93 290 | 0.0051 | 475 | 0.9949 | 93 052 | 2 052 230 | 22.00 |
| 55 | 92 815 | 0.0058 | 537 | 0.9942 | 92 547 | 1 959 177 | 21.11 |
| 56 | 92 278 | 0.0060 | 552 | 0.9940 | 92 002 | 1 866 631 | 20.23 |
| 57 | 91 726 | 0.0068 | 624 | 0.9932 | 91 414 | 1 774 629 | 19.35 |
| 58 | 91 103 | 0.0075 | 683 | 0.9925 | 90 761 | 1 683 214 | 18.48 |
| 59 | 90 420 | 0.0070 | 632 | 0.9930 | 90 104 | 1 592 453 | 17.61 |
| 60 | 89 788 | 0.0090 | 806 | 0.9910 | 89 385 | 1 502 349 | 16.73 |
| 61 | 88 982 | 0.0085 | 758 | 0.9915 | 88 603 | 1 412 964 | 15.88 |
| 62 | 88 224 | 0.0106 | 936 | 0.9894 | 87 756 | 1 324 361 | 15.01 |
| 63 | 87 287 | 0.0126 | 1 098 | 0.9874 | 86 738 | 1 236 606 | 14.17 |
| 64 | 86 189 | 0.0137 | 1 183 | 0.9863 | 85 598 | 1 149 867 | 13.34 |
| 65 | 85 006 | 0.0160 | 1 364 | 0.9840 | 84 324 | 1 064 270 | 12.52 |
| 66 | 83 643 | 0.0169 | 1 413 | 0.9831 | 82 936 | 979 945 | 11.72 |
| 67 | 82 230 | 0.0183 | 1 502 | 0.9817 | 81 479 | 897 009 | 10.91 |
| 68 | 80 728 | 0.0230 | 1 859 | 0.9770 | 79 799 | 815 530 | 10.10 |
| 69 | 78 869 | 0.0225 | 1 773 | 0.9775 | 77 982 | 735 731 | 9.33 |
| 70 | 77 096 | 0.0261 | 2 012 | 0.9739 | 76 090 | 657 748 | 8.53 |
| 71 | 75 084 | 0.0302 | 2 266 | 0.9698 | 73 951 | 581 658 | 7.75 |
| 72 | 72 818 | 0.0337 | 2 452 | 0.9663 | 71 592 | 507 707 | 6.97 |
| 73 | 70 366 | 0.0381 | 2 680 | 0.9619 | 69 026 | 436 115 | 6.20 |
| 74 | 67 685 | 0.0445 | 3 010 | 0.9555 | 66 180 | 367 089 | 5.42 |
| 75 | 64 675 | 0.0526 | 3 403 | 0.9474 | 62 974 | 300 909 | 4.65 |
| 76 | 61 273 | 0.0584 | 3 578 | 0.9416 | 59 484 | 237 935 | 3.88 |
| 77 | 57 695 | 0.0654 | 3 773 | 0.9346 | 55 808 | 178 451 | 3.09 |
| 78 | 53 922 | 0.0736 | 3 968 | 0.9264 | 51 938 | 122 643 | 2.27 |
| 79 | 49 953 | 0.0846 | 4 225 | 0.9154 | 47 841 | 70 705 | 1.42 |
| 80 | 45 729 | 1.0000 | 45 729 | 0.0000 | 22 864 | 22 864 | 0.50 |

Table 7. Life table without migration (male, rural, 2001-2003)

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 0 | 100 000 | 0.0189 | 1 887 | 0.9811 | 99 057 | 6 628 259 | 66.28 |
| 1 | 98 113 | 0.0019 | 191 | 0.9981 | 98 018 | 6 529 202 | 66.55 |
| 2 | 97 923 | 0.0011 | 104 | 0.9989 | 97 871 | 6 431 184 | 65.68 |
| 3 | 97 819 | 0.0003 | 30 | 0.9997 | 97 804 | 6 333 313 | 64.75 |
| 4 | 97 788 | 0.0005 | 48 | 0.9995 | 97 764 | 6 235 510 | 63.77 |
| 5 | 97 741 | 0.0005 | 49 | 0.9995 | 97 716 | 6 137 745 | 62.80 |
| 6 | 97 691 | 0.0004 | 36 | 0.9996 | 97 673 | 6 040 030 | 61.83 |
| 7 | 97 655 | 0.0005 | 51 | 0.9995 | 97 629 | 5 942 356 | 60.85 |
| 8 | 97 604 | 0.0004 | 38 | 0.9996 | 97 585 | 5 844 727 | 59.88 |
| 9 | 97 566 | 0.0006 | 63 | 0.9994 | 97 534 | 5 747 142 | 58.91 |
| 10 | 97 502 | 0.0003 | 30 | 0.9997 | 97 487 | 5 649 608 | 57.94 |
| 11 | 97 473 | 0.0004 | 42 | 0.9996 | 97 452 | 5 552 121 | 56.96 |
| 12 | 97 431 | 0.0003 | 28 | 0.9997 | 97 417 | 5 454 669 | 55.99 |
| 13 | 97 403 | 0.0003 | 33 | 0.9997 | 97 386 | 5 357 252 | 55.00 |
| 14 | 97 370 | 0.0004 | 42 | 0.9996 | 97 349 | 5 259 866 | 54.02 |
| 15 | 97 328 | 0.0005 | 46 | 0.9995 | 97 305 | 5 162 517 | 53.04 |
| 16 | 97 282 | 0.0005 | 46 | 0.9995 | 97 259 | 5 065 212 | 52.07 |
| 17 | 97 236 | 0.0006 | 63 | 0.9994 | 97 205 | 4 967 953 | 51.09 |
| 18 | 97 174 | 0.0006 | 57 | 0.9994 | 97 145 | 4 870 748 | 50.12 |
| 19 | 97 117 | 0.0012 | 116 | 0.9988 | 97 059 | 4 773 603 | 49.15 |
| 20 | 97 001 | 0.0012 | 112 | 0.9988 | 96 945 | 4 676 545 | 48.21 |
| 21 | 96 889 | 0.0008 | 77 | 0.9992 | 96 851 | 4 579 600 | 47.27 |
| 22 | 96 812 | 0.0010 | 100 | 0.9990 | 96 762 | 4 482 749 | 46.30 |
| 23 | 96 712 | 0.0012 | 113 | 0.9988 | 96 656 | 4 385 987 | 45.35 |
| 24 | 96 600 | 0.0011 | 110 | 0.9989 | 96 545 | 4 289 331 | 44.40 |
| 25 | 96 490 | 0.0013 | 121 | 0.9987 | 96 429 | 4 192 786 | 43.45 |
| 26 | 96 369 | 0.0015 | 147 | 0.9985 | 96 295 | 4 096 356 | 42.51 |
| 27 | 96 222 | 0.0009 | 90 | 0.9991 | 96 177 | 4 000 061 | 41.57 |
| 28 | 96 132 | 0.0013 | 121 | 0.9987 | 96 071 | 3 903 884 | 40.61 |
| 29 | 96 011 | 0.0018 | 172 | 0.9982 | 95 925 | 3 807 813 | 39.66 |
| 30 | 95 839 | 0.0014 | 137 | 0.9986 | 95 771 | 3 711 888 | 38.73 |
| 31 | 95 703 | 0.0016 | 151 | 0.9984 | 95 628 | 3 616 117 | 37.78 |
| 32 | 95 552 | 0.0016 | 156 | 0.9984 | 95 474 | 3 520 489 | 36.84 |
| 33 | 95 397 | 0.0021 | 201 | 0.9979 | 95 296 | 3 425 015 | 35.90 |
| 34 | 95 196 | 0.0019 | 184 | 0.9981 | 95 104 | 3 329 718 | 34.98 |
| 35 | 95 011 | 0.0021 | 198 | 0.9979 | 94 913 | 3 234 615 | 34.04 |
| 36 | 94 814 | 0.0022 | 213 | 0.9978 | 94 707 | 3 139 702 | 33.11 |
| 37 | 94 601 | 0.0030 | 283 | 0.9970 | 94 460 | 3 044 995 | 32.19 |
| 38 | 94 318 | 0.0035 | 332 | 0.9965 | 94 152 | 2 950 535 | 31.28 |
| 39 | 93 986 | 0.0038 | 361 | 0.9962 | 93 806 | 2 856 383 | 30.39 |
| 40 | 93 626 | 0.0042 | 394 | 0.9958 | 93 429 | 2 762 577 | 29.51 |
| 41 | 93 232 | 0.0050 | 467 | 0.9950 | 92 999 | 2 669 148 | 28.63 |
| 42 | 92 766 | 0.0051 | 471 | 0.9949 | 92 530 | 2 576 149 | 27.77 |
| 43 | 92 295 | 0.0060 | 556 | 0.9940 | 92 016 | 2 483 619 | 26.91 |
| 44 | 91 738 | 0.0068 | 622 | 0.9932 | 91 427 | 2 391 603 | 26.07 |

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 45 | 91 116 | 0.0071 | 647 | 0.9929 | 90 792 | 2 300 176 | 25.24 |
| 46 | 90 469 | 0.0081 | 731 | 0.9919 | 90 103 | 2 209 384 | 24.42 |
| 47 | 89 737 | 0.0085 | 765 | 0.9915 | 89 355 | 2 119 281 | 23.62 |
| 48 | 88 972 | 0.0102 | 912 | 0.9898 | 88 516 | 2 029 926 | 22.82 |
| 49 | 88 060 | 0.0109 | 964 | 0.9891 | 87 578 | 1 941 410 | 22.05 |
| 50 | 87 096 | 0.0120 | 1 049 | 0.9880 | 86 572 | 1 853 832 | 21.28 |
| 51 | 86 047 | 0.0135 | 1 159 | 0.9865 | 85 468 | 1 767 260 | 20.54 |
| 52 | 84 888 | 0.0136 | 1 154 | 0.9864 | 84 311 | 1 681 792 | 19.81 |
| 53 | 83 734 | 0.0156 | 1 302 | 0.9844 | 83 083 | 1 597 481 | 19.08 |
| 54 | 82 432 | 0.0167 | 1 374 | 0.9833 | 81 745 | 1 514 398 | 18.37 |
| 55 | 81 058 | 0.0158 | 1 277 | 0.9842 | 80 419 | 1 432 654 | 17.67 |
| 56 | 79 781 | 0.0184 | 1 467 | 0.9816 | 79 047 | 1 352 234 | 16.95 |
| 57 | 78 313 | 0.0194 | 1 523 | 0.9806 | 77 552 | 1 273 188 | 16.26 |
| 58 | 76 790 | 0.0227 | 1 742 | 0.9773 | 75 919 | 1 195 636 | 15.57 |
| 59 | 75 048 | 0.0219 | 1 642 | 0.9781 | 74 227 | 1 119 717 | 14.92 |
| 60 | 73 406 | 0.0235 | 1 727 | 0.9765 | 72 542 | 1 045 490 | 14.24 |
| 61 | 71 678 | 0.0251 | 1 798 | 0.9749 | 70 779 | 972 948 | 13.57 |
| 62 | 69 880 | 0.0270 | 1 884 | 0.9730 | 68 939 | 902 168 | 12.91 |
| 63 | 67 997 | 0.0298 | 2 024 | 0.9702 | 66 984 | 833 230 | 12.25 |
| 64 | 65 972 | 0.0308 | 2 032 | 0.9692 | 64 956 | 766 245 | 11.61 |
| 65 | 63 940 | 0.0345 | 2 204 | 0.9655 | 62 838 | 701 289 | 10.97 |
| 66 | 61 736 | 0.0346 | 2 138 | 0.9654 | 60 668 | 638 451 | 10.34 |
| 67 | 59 599 | 0.0384 | 2 291 | 0.9616 | 58 453 | 577 783 | 9.69 |
| 68 | 57 308 | 0.0405 | 2 323 | 0.9595 | 56 147 | 519 330 | 9.06 |
| 69 | 54 986 | 0.0436 | 2 400 | 0.9564 | 53 786 | 463 183 | 8.42 |
| 70 | 52 586 | 0.0457 | 2 405 | 0.9543 | 51 383 | 409 397 | 7.79 |
| 71 | 50 180 | 0.0500 | 2 511 | 0.9500 | 48 925 | 358 014 | 7.13 |
| 72 | 47 670 | 0.0527 | 2 512 | 0.9473 | 46 413 | 309 089 | 6.48 |
| 73 | 45 157 | 0.0573 | 2 586 | 0.9427 | 43 864 | 262 676 | 5.82 |
| 74 | 42 571 | 0.0648 | 2 757 | 0.9352 | 41 192 | 218 812 | 5.14 |
| 75 | 39 813 | 0.0699 | 2 783 | 0.9301 | 38 422 | 177 620 | 4.46 |
| 76 | 37 030 | 0.0728 | 2 695 | 0.9272 | 35 683 | 139 198 | 3.76 |
| 77 | 34 336 | 0.0806 | 2 766 | 0.9194 | 32 953 | 103 515 | 3.01 |
| 78 | 31 570 | 0.0894 | 2 824 | 0.9106 | 30 158 | 70 562 | 2.24 |
| 79 | 28 746 | 0.0944 | 2 715 | 0.9056 | 27 389 | 40 404 | 1.41 |
| 80 | 26 031 | 1.0000 | 26 031 | 0.0000 | 13 016 | 13 016 | 0.50 |

Table 8. Life table without migration (female, rural, 2001-2003)

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 0 | 100 000 | 0.0161 | 1 612 | 0.9839 | 99 194 | 7 240 301 | 72.40 |
| 1 | 98 388 | 0.0016 | 160 | 0.9984 | 98 308 | 7 141 107 | 72.58 |
| 2 | 98 228 | 0.0009 | 84 | 0.9991 | 98 186 | 7 042 799 | 71.70 |
| 3 | 98 144 | 0.0006 | 63 | 0.9994 | 98 113 | 6 944 613 | 70.76 |
| 4 | 98 081 | 0.0007 | 68 | 0.9993 | 98 047 | 6 846 500 | 69.80 |
| 5 | 98 013 | 0.0004 | 36 | 0.9996 | 97 994 | 6 748 453 | 68.85 |
| 6 | 97 976 | 0.0002 | 19 | 0.9998 | 97 967 | 6 650 459 | 67.88 |
| 7 | 97 957 | 0.0002 | 22 | 0.9998 | 97 946 | 6 552 492 | 66.89 |
| 8 | 97 935 | 0.0002 | 24 | 0.9998 | 97 923 | 6 454 546 | 65.91 |
| 9 | 97 911 | 0.0003 | 26 | 0.9997 | 97 898 | 6 356 623 | 64.92 |
| 10 | 97 885 | 0.0001 | 14 | 0.9999 | 97 878 | 6 258 725 | 63.94 |
| 11 | 97 871 | 0.0001 | 14 | 0.9999 | 97 864 | 6 160 847 | 62.95 |
| 12 | 97 857 | 0.0003 | 33 | 0.9997 | 97 841 | 6 062 983 | 61.96 |
| 13 | 97 824 | 0.0003 | 32 | 0.9997 | 97 808 | 5 965 143 | 60.98 |
| 14 | 97 792 | 0.0002 | 23 | 0.9998 | 97 781 | 5 867 335 | 60.00 |
| 15 | 97 770 | 0.0002 | 23 | 0.9998 | 97 758 | 5 769 554 | 59.01 |
| 16 | 97 747 | 0.0002 | 20 | 0.9998 | 97 737 | 5 671 796 | 58.03 |
| 17 | 97 727 | 0.0003 | 32 | 0.9997 | 97 711 | 5 574 059 | 57.04 |
| 18 | 97 695 | 0.0002 | 23 | 0.9998 | 97 683 | 5 476 348 | 56.06 |
| 19 | 97 672 | 0.0004 | 40 | 0.9996 | 97 652 | 5 378 665 | 55.07 |
| 20 | 97 632 | 0.0006 | 55 | 0.9994 | 97 605 | 5 281 013 | 54.09 |
| 21 | 97 577 | 0.0004 | 38 | 0.9996 | 97 558 | 5 183 408 | 53.12 |
| 22 | 97 539 | 0.0006 | 61 | 0.9994 | 97 508 | 5 085 850 | 52.14 |
| 23 | 97 478 | 0.0004 | 38 | 0.9996 | 97 459 | 4 988 341 | 51.17 |
| 24 | 97 440 | 0.0005 | 47 | 0.9995 | 97 416 | 4 890 882 | 50.19 |
| 25 | 97 393 | 0.0004 | 36 | 0.9996 | 97 374 | 4 793 466 | 49.22 |
| 26 | 97 356 | 0.0006 | 54 | 0.9994 | 97 329 | 4 696 092 | 48.24 |
| 27 | 97 302 | 0.0005 | 45 | 0.9995 | 97 279 | 4 598 763 | 47.26 |
| 28 | 97 257 | 0.0004 | 44 | 0.9996 | 97 235 | 4 501 483 | 46.28 |
| 29 | 97 213 | 0.0007 | 70 | 0.9993 | 97 178 | 4 404 248 | 45.30 |
| 30 | 97 143 | 0.0007 | 66 | 0.9993 | 97 110 | 4 307 070 | 44.34 |
| 31 | 97 077 | 0.0005 | 47 | 0.9995 | 97 054 | 4 209 959 | 43.37 |
| 32 | 97 030 | 0.0007 | 68 | 0.9993 | 96 996 | 4 112 905 | 42.39 |
| 33 | 96 962 | 0.0007 | 70 | 0.9993 | 96 927 | 4 015 909 | 41.42 |
| 34 | 96 892 | 0.0015 | 144 | 0.9985 | 96 820 | 3 918 982 | 40.45 |
| 35 | 96 748 | 0.0008 | 78 | 0.9992 | 96 709 | 3 822 163 | 39.51 |
| 36 | 96 670 | 0.0013 | 128 | 0.9987 | 96 606 | 3 725 454 | 38.54 |
| 37 | 96 542 | 0.0016 | 153 | 0.9984 | 96 466 | 3 628 848 | 37.59 |
| 38 | 96 389 | 0.0016 | 153 | 0.9984 | 96 313 | 3 532 382 | 36.65 |
| 39 | 96 236 | 0.0015 | 146 | 0.9985 | 96 163 | 3 436 069 | 35.70 |
| 40 | 96 090 | 0.0017 | 160 | 0.9983 | 96 010 | 3 339 906 | 34.76 |
| 41 | 95 930 | 0.0018 | 175 | 0.9982 | 95 843 | 3 243 896 | 33.82 |
| 42 | 95 756 | 0.0016 | 156 | 0.9984 | 95 678 | 3 148 053 | 32.88 |
| 43 | 95 600 | 0.0021 | 201 | 0.9979 | 95 499 | 3 052 375 | 31.93 |
| 44 | 95 399 | 0.0024 | 233 | 0.9976 | 95 283 | 2 956 876 | 30.99 |

| $x$ | $l_x$ | $q_x$ | $d_x$ | $p_x$ | $L_x$ | $T_x$ | $e_x$ |
|---|---|---|---|---|---|---|---|
| 45 | 95 166 | 0.0028 | 264 | 0.9972 | 95 034 | 2 861 593 | 30.07 |
| 46 | 94 902 | 0.0026 | 249 | 0.9974 | 94 777 | 2 766 559 | 29.15 |
| 47 | 94 653 | 0.0030 | 280 | 0.9970 | 94 513 | 2 671 782 | 28.23 |
| 48 | 94 373 | 0.0033 | 307 | 0.9967 | 94 220 | 2 577 269 | 27.31 |
| 49 | 94 066 | 0.0038 | 359 | 0.9962 | 93 887 | 2 483 049 | 26.40 |
| 50 | 93 708 | 0.0038 | 359 | 0.9962 | 93 528 | 2 389 162 | 25.50 |
| 51 | 93 349 | 0.0042 | 388 | 0.9958 | 93 154 | 2 295 634 | 24.59 |
| 52 | 92 960 | 0.0049 | 452 | 0.9951 | 92 734 | 2 202 479 | 23.69 |
| 53 | 92 508 | 0.0050 | 464 | 0.9950 | 92 276 | 2 109 745 | 22.81 |
| 54 | 92 044 | 0.0056 | 515 | 0.9944 | 91 787 | 2 017 469 | 21.92 |
| 55 | 91 529 | 0.0064 | 588 | 0.9936 | 91 235 | 1 925 682 | 21.04 |
| 56 | 90 940 | 0.0067 | 611 | 0.9933 | 90 635 | 1 834 447 | 20.17 |
| 57 | 90 330 | 0.0075 | 677 | 0.9925 | 89 991 | 1 743 812 | 19.30 |
| 58 | 89 653 | 0.0081 | 728 | 0.9919 | 89 288 | 1 653 821 | 18.45 |
| 59 | 88 924 | 0.0093 | 825 | 0.9907 | 88 512 | 1 564 533 | 17.59 |
| 60 | 88 099 | 0.0095 | 840 | 0.9905 | 87 679 | 1 476 021 | 16.75 |
| 61 | 87 259 | 0.0106 | 927 | 0.9894 | 86 795 | 1 388 342 | 15.91 |
| 62 | 86 332 | 0.0116 | 998 | 0.9884 | 85 833 | 1 301 547 | 15.08 |
| 63 | 85 334 | 0.0121 | 1 036 | 0.9879 | 84 816 | 1 215 714 | 14.25 |
| 64 | 84 297 | 0.0142 | 1 200 | 0.9858 | 83 697 | 1 130 899 | 13.42 |
| 65 | 83 097 | 0.0159 | 1 325 | 0.9841 | 82 434 | 1 047 201 | 12.60 |
| 66 | 81 772 | 0.0157 | 1 280 | 0.9843 | 81 132 | 964 767 | 11.80 |
| 67 | 80 492 | 0.0188 | 1 510 | 0.9812 | 79 737 | 883 635 | 10.98 |
| 68 | 78 982 | 0.0203 | 1 604 | 0.9797 | 78 180 | 803 898 | 10.18 |
| 69 | 77 378 | 0.0242 | 1 871 | 0.9758 | 76 443 | 725 718 | 9.38 |
| 70 | 75 507 | 0.0277 | 2 092 | 0.9723 | 74 461 | 649 276 | 8.60 |
| 71 | 73 415 | 0.0288 | 2 116 | 0.9712 | 72 358 | 574 815 | 7.83 |
| 72 | 71 300 | 0.0321 | 2 287 | 0.9679 | 70 156 | 502 457 | 7.05 |
| 73 | 69 013 | 0.0392 | 2 708 | 0.9608 | 67 658 | 432 301 | 6.26 |
| 74 | 66 304 | 0.0424 | 2 809 | 0.9576 | 64 900 | 364 642 | 5.50 |
| 75 | 63 496 | 0.0475 | 3 019 | 0.9525 | 61 986 | 299 742 | 4.72 |
| 76 | 60 477 | 0.0546 | 3 304 | 0.9454 | 58 825 | 237 756 | 3.93 |
| 77 | 57 173 | 0.0570 | 3 261 | 0.9430 | 55 543 | 178 931 | 3.13 |
| 78 | 53 912 | 0.0699 | 3 768 | 0.9301 | 52 028 | 123 388 | 2.29 |
| 79 | 50 144 | 0.0769 | 3 855 | 0.9231 | 48 216 | 71 360 | 1.42 |
| 80 | 46 288 | 1.0000 | 46 288 | 0.0000 | 23 144 | 23 144 | 0.50 |

Table 9. Life table with migration (male, urban, 1996-1998)

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 0 | 100 000 | 2 287 | 0.0229 | 0.9771 | 98 856 | 6 562 048 |
| 1 | 97 713 | 408 | 0.0042 | 0.9958 | 97 509 | 6 463 192 |
| 2 | 97 304 | 220 | 0.0023 | 0.9977 | 97 194 | 6 365 683 |
| 3 | 97 084 | 166 | 0.0017 | 0.9983 | 97 001 | 6 268 489 |
| 4 | 96 918 | 70 | 0.0007 | 0.9993 | 96 883 | 6 171 488 |
| 5 | 96 848 | -69 | -0.0007 | 1.0007 | 96 882 | 6 074 606 |
| 6 | 96 917 | 33 | 0.0003 | 0.9997 | 96 900 | 5 977 724 |
| 7 | 96 884 | -119 | -0.0012 | 1.0012 | 96 944 | 5 880 823 |
| 8 | 97 003 | -30 | -0.0003 | 1.0003 | 97 018 | 5 783 879 |
| 9 | 97 034 | -57 | -0.0006 | 1.0006 | 97 062 | 5 686 861 |
| 10 | 97 091 | 23 | 0.0002 | 0.9998 | 97 079 | 5 589 799 |
| 11 | 97 068 | 15 | 0.0002 | 0.9998 | 97 061 | 5 492 719 |
| 12 | 97 053 | 60 | 0.0006 | 0.9994 | 97 023 | 5 395 659 |
| 13 | 96 993 | 49 | 0.0005 | 0.9995 | 96 969 | 5 298 636 |
| 14 | 96 945 | 68 | 0.0007 | 0.9993 | 96 910 | 5 201 667 |
| 15 | 96 876 | 9 | 0.0001 | 0.9999 | 96 872 | 5 104 756 |
| 16 | 96 867 | -827 | -0.0085 | 1.0085 | 97 281 | 5 007 885 |
| 17 | 97 694 | -323 | -0.0033 | 1.0033 | 97 856 | 4 910 604 |
| 18 | 98 017 | 172 | 0.0018 | 0.9982 | 97 931 | 4 812 748 |
| 19 | 97 845 | 214 | 0.0022 | 0.9978 | 97 738 | 4 714 817 |
| 20 | 97 631 | 95 | 0.0010 | 0.9990 | 97 583 | 4 617 080 |
| 21 | 97 536 | -125 | -0.0013 | 1.0013 | 97 598 | 4 519 497 |
| 22 | 97 661 | -119 | -0.0012 | 1.0012 | 97 720 | 4 421 898 |
| 23 | 97 780 | -43 | -0.0004 | 1.0004 | 97 801 | 4 324 178 |
| 24 | 97 823 | 12 | 0.0001 | 0.9999 | 97 817 | 4 226 376 |
| 25 | 97 811 | -49 | -0.0005 | 1.0005 | 97 835 | 4 128 560 |
| 26 | 97 859 | 101 | 0.0010 | 0.9990 | 97 809 | 4 030 725 |
| 27 | 97 758 | 63 | 0.0006 | 0.9994 | 97 726 | 3 932 916 |
| 28 | 97 695 | 7 | 0.0001 | 0.9999 | 97 691 | 3 835 190 |
| 29 | 97 687 | 18 | 0.0002 | 0.9998 | 97 678 | 3 737 499 |
| 30 | 97 669 | -19 | -0.0002 | 1.0002 | 97 679 | 3 639 821 |
| 31 | 97 688 | 23 | 0.0002 | 0.9998 | 97 677 | 3 542 142 |
| 32 | 97 665 | 72 | 0.0007 | 0.9993 | 97 629 | 3 444 466 |
| 33 | 97 593 | 184 | 0.0019 | 0.9981 | 97 502 | 3 346 837 |
| 34 | 97 410 | 63 | 0.0006 | 0.9994 | 97 378 | 3 249 335 |
| 35 | 97 347 | 161 | 0.0017 | 0.9983 | 97 266 | 3 151 957 |
| 36 | 97 186 | 302 | 0.0031 | 0.9969 | 97 035 | 3 054 691 |
| 37 | 96 884 | 335 | 0.0035 | 0.9965 | 96 717 | 2 957 656 |
| 38 | 96 549 | 424 | 0.0044 | 0.9956 | 96 338 | 2 860 939 |
| 39 | 96 126 | 417 | 0.0043 | 0.9957 | 95 917 | 2 764 602 |
| 40 | 95 709 | 531 | 0.0055 | 0.9945 | 95 443 | 2 668 684 |
| 41 | 95 178 | 613 | 0.0064 | 0.9936 | 94 871 | 2 573 241 |
| 42 | 94 565 | 550 | 0.0058 | 0.9942 | 94 290 | 2 478 370 |
| 43 | 94 015 | 693 | 0.0074 | 0.9926 | 93 668 | 2 384 080 |

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 44 | 93 321 | 761 | 0.0081 | 0.9919 | 92 941 | 2 290 412 |
| 45 | 92 561 | 879 | 0.0095 | 0.9905 | 92 121 | 2 197 471 |
| 46 | 91 681 | 892 | 0.0097 | 0.9903 | 91 235 | 2 105 350 |
| 47 | 90 789 | 961 | 0.0106 | 0.9894 | 90 309 | 2 014 115 |
| 48 | 89 828 | 1 092 | 0.0122 | 0.9878 | 89 282 | 1 923 806 |
| 49 | 88 736 | 1 244 | 0.0140 | 0.9860 | 88 114 | 1 834 524 |
| 50 | 87 492 | 1 262 | 0.0144 | 0.9856 | 86 861 | 1 746 410 |
| 51 | 86 230 | 1 407 | 0.0163 | 0.9837 | 85 527 | 1 659 549 |
| 52 | 84 824 | 1 510 | 0.0178 | 0.9822 | 84 068 | 1 574 022 |
| 53 | 83 313 | 1 565 | 0.0188 | 0.9812 | 82 530 | 1 489 953 |
| 54 | 81 748 | 1 565 | 0.0191 | 0.9809 | 80 965 | 1 407 423 |
| 55 | 80 182 | 1 742 | 0.0217 | 0.9783 | 79 312 | 1 326 458 |
| 56 | 78 441 | 1 762 | 0.0225 | 0.9775 | 77 559 | 1 247 146 |
| 57 | 76 678 | 2 063 | 0.0269 | 0.9731 | 75 647 | 1 169 587 |
| 58 | 74 615 | 2 066 | 0.0277 | 0.9723 | 73 582 | 1 093 940 |
| 59 | 72 550 | 2 091 | 0.0288 | 0.9712 | 71 504 | 1 020 358 |
| 60 | 70 459 | 2 302 | 0.0327 | 0.9673 | 69 308 | 948 854 |
| 61 | 68 156 | 2 172 | 0.0319 | 0.9681 | 67 070 | 879 546 |
| 62 | 65 984 | 2 224 | 0.0337 | 0.9663 | 64 872 | 812 476 |
| 63 | 63 760 | 2 178 | 0.0342 | 0.9658 | 62 671 | 747 604 |
| 64 | 61 583 | 2 242 | 0.0364 | 0.9636 | 60 462 | 684 932 |
| 65 | 59 341 | 2 140 | 0.0361 | 0.9639 | 58 271 | 624 471 |
| 66 | 57 201 | 2 215 | 0.0387 | 0.9613 | 56 093 | 566 200 |
| 67 | 54 986 | 2 308 | 0.0420 | 0.9580 | 53 832 | 510 107 |
| 68 | 52 678 | 2 350 | 0.0446 | 0.9554 | 51 503 | 456 275 |
| 69 | 50 328 | 2 480 | 0.0493 | 0.9507 | 49 088 | 404 772 |
| 70 | 47 848 | 2 572 | 0.0537 | 0.9463 | 46 563 | 355 683 |
| 71 | 45 277 | 2 551 | 0.0564 | 0.9436 | 44 001 | 309 121 |
| 72 | 42 725 | 2 684 | 0.0628 | 0.9372 | 41 383 | 265 120 |
| 73 | 40 041 | 2 673 | 0.0668 | 0.9332 | 38 704 | 223 736 |
| 74 | 37 368 | 2 850 | 0.0763 | 0.9237 | 35 943 | 185 032 |
| 75 | 34 518 | 2 809 | 0.0814 | 0.9186 | 33 113 | 149 089 |
| 76 | 31 709 | 2 645 | 0.0834 | 0.9166 | 30 386 | 115 976 |
| 77 | 29 064 | 2 696 | 0.0928 | 0.9072 | 27 716 | 85 590 |
| 78 | 26 368 | 2 699 | 0.1024 | 0.8976 | 25 018 | 57 874 |
| 79 | 23 668 | 2 647 | 0.1118 | 0.8882 | 22 345 | 32 856 |
| 80 | 21 022 | 21 022 | 1.0000 | 0.0000 | 10 511 | 10 511 |

Table 10. Life table with migration (female, urban, 1996-1998)

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 0 | 100 000 | 1 756 | 0.0176 | 0.9824 | 99 122 | 7 294 634 |
| 1 | 98 244 | 390 | 0.0040 | 0.9960 | 98 049 | 7 195 512 |
| 2 | 97 854 | 253 | 0.0026 | 0.9974 | 97 728 | 7 097 463 |
| 3 | 97 601 | 16 | 0.0002 | 0.9998 | 97 593 | 6 999 735 |
| 4 | 97 585 | 137 | 0.0014 | 0.9986 | 97 516 | 6 902 142 |
| 5 | 97 448 | -115 | -0.0012 | 1.0012 | 97 505 | 6 804 626 |
| 6 | 97 562 | -113 | -0.0012 | 1.0012 | 97 619 | 6 707 121 |
| 7 | 97 675 | -119 | -0.0012 | 1.0012 | 97 734 | 6 609 502 |
| 8 | 97 794 | -15 | -0.0001 | 1.0001 | 97 801 | 6 511 768 |
| 9 | 97 808 | 7 | 0.0001 | 0.9999 | 97 805 | 6 413 967 |
| 10 | 97 801 | 28 | 0.0003 | 0.9997 | 97 787 | 6 316 162 |
| 11 | 97 774 | -29 | -0.0003 | 1.0003 | 97 788 | 6 218 375 |
| 12 | 97 802 | 40 | 0.0004 | 0.9996 | 97 782 | 6 120 587 |
| 13 | 97 762 | 11 | 0.0001 | 0.9999 | 97 756 | 6 022 805 |
| 14 | 97 751 | -68 | -0.0007 | 1.0007 | 97 785 | 5 925 048 |
| 15 | 97 819 | -16 | -0.0002 | 1.0002 | 97 827 | 5 827 263 |
| 16 | 97 835 | -953 | -0.0097 | 1.0097 | 98 311 | 5 729 436 |
| 17 | 98 787 | -977 | -0.0099 | 1.0099 | 99 276 | 5 631 125 |
| 18 | 99 765 | -636 | -0.0064 | 1.0064 | 100 083 | 5 531 849 |
| 19 | 100 401 | -463 | -0.0046 | 1.0046 | 100 632 | 5 431 767 |
| 20 | 100 864 | -199 | -0.0020 | 1.0020 | 100 963 | 5 331 135 |
| 21 | 101 063 | 18 | 0.0002 | 0.9998 | 101 054 | 5 230 171 |
| 22 | 101 045 | 10 | 0.0001 | 0.9999 | 101 040 | 5 129 117 |
| 23 | 101 035 | -61 | -0.0006 | 1.0006 | 101 066 | 5 028 077 |
| 24 | 101 096 | -6 | -0.0001 | 1.0001 | 101 099 | 4 927 011 |
| 25 | 101 102 | -45 | -0.0004 | 1.0004 | 101 125 | 4 825 912 |
| 26 | 101 147 | -171 | -0.0017 | 1.0017 | 101 232 | 4 724 787 |
| 27 | 101 317 | -125 | -0.0012 | 1.0012 | 101 380 | 4 623 555 |
| 28 | 101 443 | -107 | -0.0011 | 1.0011 | 101 496 | 4 522 175 |
| 29 | 101 549 | -96 | -0.0009 | 1.0009 | 101 597 | 4 420 679 |
| 30 | 101 646 | -15 | -0.0001 | 1.0001 | 101 653 | 4 319 082 |
| 31 | 101 660 | -23 | -0.0002 | 1.0002 | 101 672 | 4 217 429 |
| 32 | 101 683 | 16 | 0.0002 | 0.9998 | 101 675 | 4 115 757 |
| 33 | 101 667 | -98 | -0.0010 | 1.0010 | 101 716 | 4 014 082 |
| 34 | 101 765 | 2 | 0.0000 | 1.0000 | 101 765 | 3 912 365 |
| 35 | 101 764 | 85 | 0.0008 | 0.9992 | 101 721 | 3 810 601 |
| 36 | 101 679 | 41 | 0.0004 | 0.9996 | 101 658 | 3 708 879 |
| 37 | 101 638 | 84 | 0.0008 | 0.9992 | 101 596 | 3 607 221 |
| 38 | 101 554 | 216 | 0.0021 | 0.9979 | 101 446 | 3 505 626 |
| 39 | 101 338 | 228 | 0.0022 | 0.9978 | 101 224 | 3 404 180 |
| 40 | 101 110 | 229 | 0.0023 | 0.9977 | 100 995 | 3 302 957 |
| 41 | 100 880 | 292 | 0.0029 | 0.9971 | 100 734 | 3 201 962 |
| 42 | 100 589 | 262 | 0.0026 | 0.9974 | 100 458 | 3 101 227 |
| 43 | 100 327 | 362 | 0.0036 | 0.9964 | 100 146 | 3 000 770 |

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 44 | 99 964 | 416 | 0.0042 | 0.9958 | 99 756 | 2 900 624 |
| 45 | 99 548 | 436 | 0.0044 | 0.9956 | 99 331 | 2 800 868 |
| 46 | 99 113 | 471 | 0.0048 | 0.9952 | 98 877 | 2 701 537 |
| 47 | 98 642 | 533 | 0.0054 | 0.9946 | 98 375 | 2 602 660 |
| 48 | 98 109 | 588 | 0.0060 | 0.9940 | 97 815 | 2 504 284 |
| 49 | 97 521 | 684 | 0.0070 | 0.9930 | 97 179 | 2 406 469 |
| 50 | 96 837 | 666 | 0.0069 | 0.9931 | 96 504 | 2 309 290 |
| 51 | 96 171 | 713 | 0.0074 | 0.9926 | 95 815 | 2 212 786 |
| 52 | 95 458 | 846 | 0.0089 | 0.9911 | 95 035 | 2 116 972 |
| 53 | 94 612 | 870 | 0.0092 | 0.9908 | 94 177 | 2 021 937 |
| 54 | 93 742 | 977 | 0.0104 | 0.9896 | 93 254 | 1 927 760 |
| 55 | 92 765 | 1 308 | 0.0141 | 0.9859 | 92 111 | 1 834 506 |
| 56 | 91 457 | 1 356 | 0.0148 | 0.9852 | 90 779 | 1 742 395 |
| 57 | 90 100 | 1 287 | 0.0143 | 0.9857 | 89 457 | 1 651 616 |
| 58 | 88 813 | 1 286 | 0.0145 | 0.9855 | 88 170 | 1 562 159 |
| 59 | 87 527 | 1 320 | 0.0151 | 0.9849 | 86 867 | 1 473 989 |
| 60 | 86 207 | 1 270 | 0.0147 | 0.9853 | 85 572 | 1 387 122 |
| 61 | 84 938 | 1 256 | 0.0148 | 0.9852 | 84 309 | 1 301 549 |
| 62 | 83 681 | 1 271 | 0.0152 | 0.9848 | 83 046 | 1 217 240 |
| 63 | 82 410 | 1 337 | 0.0162 | 0.9838 | 81 742 | 1 134 194 |
| 64 | 81 074 | 1 462 | 0.0180 | 0.9820 | 80 343 | 1 052 452 |
| 65 | 79 611 | 1 349 | 0.0170 | 0.9830 | 78 937 | 972 109 |
| 66 | 78 262 | 1 636 | 0.0209 | 0.9791 | 77 444 | 893 173 |
| 67 | 76 626 | 1 803 | 0.0235 | 0.9765 | 75 724 | 815 729 |
| 68 | 74 823 | 1 778 | 0.0238 | 0.9762 | 73 934 | 740 005 |
| 69 | 73 045 | 1 835 | 0.0251 | 0.9749 | 72 128 | 666 071 |
| 70 | 71 210 | 2 119 | 0.0298 | 0.9702 | 70 150 | 593 944 |
| 71 | 69 091 | 2 415 | 0.0350 | 0.9650 | 67 883 | 523 793 |
| 72 | 66 676 | 2 498 | 0.0375 | 0.9625 | 65 426 | 455 910 |
| 73 | 64 177 | 2 848 | 0.0444 | 0.9556 | 62 753 | 390 484 |
| 74 | 61 329 | 3 039 | 0.0495 | 0.9505 | 59 810 | 327 730 |
| 75 | 58 291 | 3 162 | 0.0542 | 0.9458 | 56 710 | 267 920 |
| 76 | 55 129 | 3 525 | 0.0639 | 0.9361 | 53 366 | 211 210 |
| 77 | 51 604 | 3 764 | 0.0729 | 0.9271 | 49 722 | 157 844 |
| 78 | 47 840 | 3 807 | 0.0796 | 0.9204 | 45 936 | 108 122 |
| 79 | 44 033 | 3 863 | 0.0877 | 0.9123 | 42 101 | 62 186 |
| 80 | 40 169 | 40 169 | 1.0000 | 0.0000 | 20 085 | 20 085 |

Table 11. Life table with migration (male, rural, 1996-1998)

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 0 | 100 000 | 538 | 0.0054 | 0.9946 | 99 731 | 6 684 769 |
| 1 | 99 462 | -363 | -0.0036 | 1.0036 | 99 644 | 6 585 038 |
| 2 | 99 825 | -198 | -0.0020 | 1.0020 | 99 924 | 6 485 394 |
| 3 | 100 023 | -38 | -0.0004 | 1.0004 | 100 041 | 6 385 470 |
| 4 | 100 060 | 46 | 0.0005 | 0.9995 | 100 037 | 6 285 429 |
| 5 | 100 014 | 339 | 0.0034 | 0.9966 | 99 844 | 6 185 392 |
| 6 | 99 675 | 108 | 0.0011 | 0.9989 | 99 621 | 6 085 548 |
| 7 | 99 567 | 440 | 0.0044 | 0.9956 | 99 346 | 5 985 927 |
| 8 | 99 126 | 210 | 0.0021 | 0.9979 | 99 021 | 5 886 581 |
| 9 | 98 916 | 258 | 0.0026 | 0.9974 | 98 787 | 5 787 560 |
| 10 | 98 658 | 90 | 0.0009 | 0.9991 | 98 613 | 5 688 773 |
| 11 | 98 568 | 90 | 0.0009 | 0.9991 | 98 523 | 5 590 160 |
| 12 | 98 479 | -37 | -0.0004 | 1.0004 | 98 497 | 5 491 636 |
| 13 | 98 516 | 85 | 0.0009 | 0.9991 | 98 474 | 5 393 139 |
| 14 | 98 431 | 16 | 0.0002 | 0.9998 | 98 423 | 5 294 665 |
| 15 | 98 415 | 162 | 0.0016 | 0.9984 | 98 334 | 5 196 242 |
| 16 | 98 253 | 2 305 | 0.0235 | 0.9765 | 97 100 | 5 097 908 |
| 17 | 95 948 | 1 098 | 0.0114 | 0.9886 | 95 399 | 5 000 808 |
| 18 | 94 851 | -51 | -0.0005 | 1.0005 | 94 876 | 4 905 408 |
| 19 | 94 901 | -189 | -0.0020 | 1.0020 | 94 996 | 4 810 532 |
| 20 | 95 090 | 145 | 0.0015 | 0.9985 | 95 018 | 4 715 537 |
| 21 | 94 945 | 871 | 0.0092 | 0.9908 | 94 509 | 4 620 519 |
| 22 | 94 074 | 818 | 0.0087 | 0.9913 | 93 665 | 4 526 010 |
| 23 | 93 256 | 618 | 0.0066 | 0.9934 | 92 947 | 4 432 345 |
| 24 | 92 637 | 402 | 0.0043 | 0.9957 | 92 436 | 4 339 398 |
| 25 | 92 235 | 521 | 0.0057 | 0.9943 | 91 974 | 4 246 962 |
| 26 | 91 714 | 213 | 0.0023 | 0.9977 | 91 607 | 4 154 988 |
| 27 | 91 500 | 289 | 0.0032 | 0.9968 | 91 356 | 4 063 381 |
| 28 | 91 211 | 457 | 0.0050 | 0.9950 | 90 983 | 3 972 025 |
| 29 | 90 754 | 407 | 0.0045 | 0.9955 | 90 551 | 3 881 042 |
| 30 | 90 347 | 557 | 0.0062 | 0.9938 | 90 069 | 3 790 492 |
| 31 | 89 790 | 413 | 0.0046 | 0.9954 | 89 584 | 3 700 423 |
| 32 | 89 377 | 521 | 0.0058 | 0.9942 | 89 117 | 3 610 839 |
| 33 | 88 856 | 286 | 0.0032 | 0.9968 | 88 713 | 3 521 722 |
| 34 | 88 570 | 499 | 0.0056 | 0.9944 | 88 320 | 3 433 009 |
| 35 | 88 071 | 348 | 0.0040 | 0.9960 | 87 896 | 3 344 689 |
| 36 | 87 722 | 187 | 0.0021 | 0.9979 | 87 629 | 3 256 793 |
| 37 | 87 535 | 173 | 0.0020 | 0.9980 | 87 448 | 3 169 164 |
| 38 | 87 362 | 112 | 0.0013 | 0.9987 | 87 306 | 3 081 716 |
| 39 | 87 250 | 180 | 0.0021 | 0.9979 | 87 160 | 2 994 410 |
| 40 | 87 070 | 75 | 0.0009 | 0.9991 | 87 032 | 2 907 250 |
| 41 | 86 995 | 39 | 0.0004 | 0.9996 | 86 976 | 2 820 218 |
| 42 | 86 956 | 110 | 0.0013 | 0.9987 | 86 901 | 2 733 242 |
| 43 | 86 846 | 79 | 0.0009 | 0.9991 | 86 806 | 2 646 342 |

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 44 | 86 767 | 181 | 0.0021 | 0.9979 | 86 677 | 2 559 535 |
| 45 | 86 587 | 6 | 0.0001 | 0.9999 | 86 584 | 2 472 858 |
| 46 | 86 581 | 58 | 0.0007 | 0.9993 | 86 551 | 2 386 275 |
| 47 | 86 522 | 414 | 0.0048 | 0.9952 | 86 315 | 2 299 723 |
| 48 | 86 108 | 200 | 0.0023 | 0.9977 | 86 008 | 2 213 408 |
| 49 | 85 908 | 87 | 0.0010 | 0.9990 | 85 865 | 2 127 399 |
| 50 | 85 822 | 208 | 0.0024 | 0.9976 | 85 718 | 2 041 535 |
| 51 | 85 614 | 208 | 0.0024 | 0.9976 | 85 510 | 1 955 817 |
| 52 | 85 406 | 236 | 0.0028 | 0.9972 | 85 288 | 1 870 307 |
| 53 | 85 170 | 464 | 0.0054 | 0.9946 | 84 938 | 1 785 019 |
| 54 | 84 706 | 543 | 0.0064 | 0.9936 | 84 434 | 1 700 082 |
| 55 | 84 163 | 513 | 0.0061 | 0.9939 | 83 907 | 1 615 647 |
| 56 | 83 650 | 684 | 0.0082 | 0.9918 | 83 308 | 1 531 741 |
| 57 | 82 966 | 153 | 0.0018 | 0.9982 | 82 890 | 1 448 432 |
| 58 | 82 813 | 643 | 0.0078 | 0.9922 | 82 492 | 1 365 543 |
| 59 | 82 171 | 816 | 0.0099 | 0.9901 | 81 763 | 1 283 050 |
| 60 | 81 354 | 920 | 0.0113 | 0.9887 | 80 894 | 1 201 288 |
| 61 | 80 434 | 1 259 | 0.0157 | 0.9843 | 79 805 | 1 120 394 |
| 62 | 79 175 | 1 490 | 0.0188 | 0.9812 | 78 430 | 1 040 589 |
| 63 | 77 685 | 1 798 | 0.0231 | 0.9769 | 76 786 | 962 158 |
| 64 | 75 887 | 1 960 | 0.0258 | 0.9742 | 74 907 | 885 372 |
| 65 | 73 927 | 2 230 | 0.0302 | 0.9698 | 72 812 | 810 465 |
| 66 | 71 697 | 2 250 | 0.0314 | 0.9686 | 70 571 | 737 653 |
| 67 | 69 446 | 2 386 | 0.0344 | 0.9656 | 68 253 | 667 082 |
| 68 | 67 060 | 2 614 | 0.0390 | 0.9610 | 65 753 | 598 829 |
| 69 | 64 445 | 2 734 | 0.0424 | 0.9576 | 63 079 | 533 077 |
| 70 | 61 712 | 2 898 | 0.0470 | 0.9530 | 60 263 | 469 998 |
| 71 | 58 814 | 3 172 | 0.0539 | 0.9461 | 57 228 | 409 735 |
| 72 | 55 642 | 3 162 | 0.0568 | 0.9432 | 54 061 | 352 507 |
| 73 | 52 480 | 3 367 | 0.0642 | 0.9358 | 50 797 | 298 446 |
| 74 | 49 113 | 3 319 | 0.0676 | 0.9324 | 47 454 | 247 649 |
| 75 | 45 794 | 3 388 | 0.0740 | 0.9260 | 44 100 | 200 195 |
| 76 | 42 406 | 3 483 | 0.0821 | 0.9179 | 40 665 | 156 095 |
| 77 | 38 923 | 3 511 | 0.0902 | 0.9098 | 37 168 | 115 430 |
| 78 | 35 412 | 3 380 | 0.0954 | 0.9046 | 33 722 | 78 262 |
| 79 | 32 033 | 3 509 | 0.1095 | 0.8905 | 30 278 | 44 540 |
| 80 | 28 524 | 28 524 | 1.0000 | 0.0000 | 14 262 | 14 262 |

Table 12. Life table with migration (female, rural, 1996-1998)

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 0 | 100 000 | 525 | 0.0053 | 0.9947 | 99 737 | 6 842 112 |
| 1 | 99 475 | -403 | -0.0041 | 1.0041 | 99 677 | 6 742 375 |
| 2 | 99 878 | -293 | -0.0029 | 1.0029 | 100 025 | 6 642 698 |
| 3 | 100 172 | 206 | 0.0021 | 0.9979 | 100 069 | 6 542 673 |
| 4 | 99 966 | -49 | -0.0005 | 1.0005 | 99 990 | 6 442 605 |
| 5 | 100 015 | 334 | 0.0033 | 0.9967 | 99 848 | 6 342 614 |
| 6 | 99 681 | 391 | 0.0039 | 0.9961 | 99 486 | 6 242 766 |
| 7 | 99 290 | 389 | 0.0039 | 0.9961 | 99 095 | 6 143 281 |
| 8 | 98 901 | 131 | 0.0013 | 0.9987 | 98 835 | 6 044 186 |
| 9 | 98 770 | 65 | 0.0007 | 0.9993 | 98 737 | 5 945 350 |
| 10 | 98 705 | 39 | 0.0004 | 0.9996 | 98 685 | 5 846 613 |
| 11 | 98 666 | 203 | 0.0021 | 0.9979 | 98 564 | 5 747 928 |
| 12 | 98 463 | 10 | 0.0001 | 0.9999 | 98 458 | 5 649 363 |
| 13 | 98 453 | 80 | 0.0008 | 0.9992 | 98 413 | 5 550 906 |
| 14 | 98 373 | 302 | 0.0031 | 0.9969 | 98 223 | 5 452 492 |
| 15 | 98 072 | 159 | 0.0016 | 0.9984 | 97 992 | 5 354 270 |
| 16 | 97 913 | 2 598 | 0.0265 | 0.9735 | 96 613 | 5 256 278 |
| 17 | 95 314 | 2 747 | 0.0288 | 0.9712 | 93 941 | 5 159 664 |
| 18 | 92 568 | 2 022 | 0.0218 | 0.9782 | 91 557 | 5 065 723 |
| 19 | 90 546 | 1 686 | 0.0186 | 0.9814 | 89 703 | 4 974 167 |
| 20 | 88 860 | 888 | 0.0100 | 0.9900 | 88 415 | 4 884 464 |
| 21 | 87 971 | 148 | 0.0017 | 0.9983 | 87 897 | 4 796 049 |
| 22 | 87 823 | 169 | 0.0019 | 0.9981 | 87 739 | 4 708 151 |
| 23 | 87 654 | 371 | 0.0042 | 0.9958 | 87 469 | 4 620 413 |
| 24 | 87 283 | 221 | 0.0025 | 0.9975 | 87 173 | 4 532 944 |
| 25 | 87 063 | 320 | 0.0037 | 0.9963 | 86 903 | 4 445 771 |
| 26 | 86 743 | 673 | 0.0078 | 0.9922 | 86 406 | 4 358 869 |
| 27 | 86 069 | 546 | 0.0063 | 0.9937 | 85 796 | 4 272 463 |
| 28 | 85 523 | 473 | 0.0055 | 0.9945 | 85 286 | 4 186 667 |
| 29 | 85 050 | 450 | 0.0053 | 0.9947 | 84 825 | 4 101 381 |
| 30 | 84 599 | 239 | 0.0028 | 0.9972 | 84 480 | 4 016 556 |
| 31 | 84 361 | 272 | 0.0032 | 0.9968 | 84225 | 3 932 076 |
| 32 | 84 089 | 254 | 0.0030 | 0.9970 | 83 962 | 3 847 851 |
| 33 | 83 835 | 529 | 0.0063 | 0.9937 | 83 571 | 3 763 889 |
| 34 | 83 307 | 310 | 0.0037 | 0.9963 | 83 152 | 3 680 318 |
| 35 | 82 997 | 142 | 0.0017 | 0.9983 | 82 926 | 3 597 166 |
| 36 | 82 856 | 252 | 0.0030 | 0.9970 | 82 730 | 3 514 239 |
| 37 | 82 604 | 300 | 0.0036 | 0.9964 | 82 454 | 3 431 510 |
| 38 | 82 304 | -68 | -0.0008 | 1.0008 | 82 338 | 3 349 056 |
| 39 | 82 372 | -96 | -0.0012 | 1.0012 | 82 421 | 3 266 718 |
| 40 | 82 469 | 6 | 0.0001 | 0.9999 | 82 466 | 3 184 297 |
| 41 | 82 463 | -140 | -0.0017 | 1.0017 | 82 533 | 3 101 831 |
| 42 | 82 602 | 23 | 0.0003 | 0.9997 | 82 591 | 3 019 299 |
| 43 | 82 580 | -172 | -0.0021 | 1.0021 | 82 666 | 2 936 708 |

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 44 | 82 751 | -324 | -0.0039 | 1.0039 | 82 913 | 2 854 042 |
| 45 | 83 075 | -274 | -0.0033 | 1.0033 | 83 212 | 2 771 129 |
| 46 | 83 349 | -312 | -0.0037 | 1.0037 | 83 505 | 2 687 916 |
| 47 | 83 661 | -304 | -0.0036 | 1.0036 | 83 813 | 2 604 411 |
| 48 | 83 965 | -336 | -0.0040 | 1.0040 | 84 133 | 2 520 598 |
| 49 | 84 301 | -369 | -0.0044 | 1.0044 | 84 486 | 2 436 464 |
| 50 | 84 670 | -263 | -0.0031 | 1.0031 | 84 802 | 2 351 979 |
| 51 | 84 934 | -286 | -0.0034 | 1.0034 | 85 076 | 2 267 177 |
| 52 | 85 219 | -409 | -0.0048 | 1.0048 | 85 424 | 2 182 100 |
| 53 | 85 628 | -333 | -0.0039 | 1.0039 | 85 795 | 2 096 677 |
| 54 | 85 961 | -294 | -0.0034 | 1.0034 | 86 108 | 2 010 882 |
| 55 | 86 256 | -730 | -0.0085 | 1.0085 | 86 621 | 1 924 773 |
| 56 | 86 986 | -625 | -0.0072 | 1.0072 | 87 298 | 1 838 153 |
| 57 | 87 611 | -400 | -0.0046 | 1.0046 | 87 811 | 1 750 854 |
| 58 | 88 010 | -126 | -0.0014 | 1.0014 | 88 074 | 1 663 044 |
| 59 | 88 137 | -6 | -0.0001 | 1.0001 | 88 140 | 1 574 970 |
| 60 | 88 143 | 228 | 0.0026 | 0.9974 | 88 029 | 1 486 830 |
| 61 | 87 914 | 491 | 0.0056 | 0.9944 | 87 669 | 1 398 802 |
| 62 | 87 423 | 739 | 0.0084 | 0.9916 | 87 054 | 1 311 133 |
| 63 | 86 685 | 897 | 0.0104 | 0.9896 | 86 236 | 1 224 079 |
| 64 | 85 787 | 1 060 | 0.0124 | 0.9876 | 85 257 | 1 137 843 |
| 65 | 84 727 | 1 374 | 0.0162 | 0.9838 | 84 040 | 1 052 585 |
| 66 | 83 353 | 1 336 | 0.0160 | 0.9840 | 82 685 | 968 545 |
| 67 | 82 017 | 1 524 | 0.0186 | 0.9814 | 81 255 | 885 860 |
| 68 | 80 493 | 1 852 | 0.0230 | 0.9770 | 79 567 | 804 606 |
| 69 | 78 641 | 1 972 | 0.0251 | 0.9749 | 77 656 | 725 038 |
| 70 | 76 670 | 2 089 | 0.0272 | 0.9728 | 75 625 | 647 383 |
| 71 | 74 581 | 2 364 | 0.0317 | 0.9683 | 73 399 | 571 757 |
| 72 | 72 217 | 2 736 | 0.0379 | 0.9621 | 70 849 | 498 358 |
| 73 | 69 481 | 2 963 | 0.0426 | 0.9574 | 67 999 | 427 509 |
| 74 | 66 518 | 3 157 | 0.0475 | 0.9525 | 64 939 | 359 510 |
| 75 | 63 360 | 3 281 | 0.0518 | 0.9482 | 61 720 | 294 571 |
| 76 | 60 080 | 3 660 | 0.0609 | 0.9391 | 58 250 | 232 851 |
| 77 | 56 419 | 3 660 | 0.0649 | 0.9351 | 54 589 | 174 601 |
| 78 | 52 759 | 3 977 | 0.0754 | 0.9246 | 50 771 | 120 012 |
| 79 | 48 782 | 3 931 | 0.0806 | 0.9194 | 46 816 | 69 241 |
| 80 | 44 851 | 44 851 | 1.0000 | 0.0000 | 22 425 | 22 425 |

Table 13. Life table with migration (male, urban, 2001-2003)

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 0 | 100 000 | 1 334 | 0.0133 | 0.9867 | 99 333 | 6 792 781 |
| 1 | 98 666 | 88 | 0.0009 | 0.9991 | 98 622 | 6 693 448 |
| 2 | 98 579 | 156 | 0.0016 | 0.9984 | 98 500 | 6 594 826 |
| 3 | 98 422 | 50 | 0.0005 | 0.9995 | 98 397 | 6 496 325 |
| 4 | 98 372 | -9 | -0.0001 | 1.0001 | 98 377 | 6 397 928 |
| 5 | 98 381 | 8 | 0.0001 | 0.9999 | 98 377 | 6 299 551 |
| 6 | 98 373 | -79 | -0.0008 | 1.0008 | 98 413 | 6 201 174 |
| 7 | 98 452 | -200 | -0.0020 | 1.0020 | 98 552 | 6 102 761 |
| 8 | 98 652 | -177 | -0.0018 | 1.0018 | 98 741 | 6 004 209 |
| 9 | 98 829 | -130 | -0.0013 | 1.0013 | 98 894 | 5 905 468 |
| 10 | 98 959 | -35 | -0.0004 | 1.0004 | 98 977 | 5 806 574 |
| 11 | 98 994 | 15 | 0.0002 | 0.9998 | 98 987 | 5 707 597 |
| 12 | 98 979 | -28 | -0.0003 | 1.0003 | 98 993 | 5 608 611 |
| 13 | 99 007 | 10 | 0.0001 | 0.9999 | 99 002 | 5 509 618 |
| 14 | 98 997 | -55 | -0.0006 | 1.0006 | 99 024 | 5 410 616 |
| 15 | 99 051 | -54 | -0.0005 | 1.0005 | 99 078 | 5 311 592 |
| 16 | 99 105 | 62 | 0.0006 | 0.9994 | 99 074 | 5 212 514 |
| 17 | 99 043 | 28 | 0.0003 | 0.9997 | 99 029 | 5 113 440 |
| 18 | 99 015 | -314 | -0.0032 | 1.0032 | 99 172 | 5 014 411 |
| 19 | 99 329 | -243 | -0.0024 | 1.0024 | 99 450 | 4 915 239 |
| 20 | 99 572 | -90 | -0.0009 | 1.0009 | 99 617 | 4 815 788 |
| 21 | 99 662 | -72 | -0.0007 | 1.0007 | 99 698 | 4 716 172 |
| 22 | 99 734 | -98 | -0.0010 | 1.0010 | 99 783 | 4 616 474 |
| 23 | 99 832 | -87 | -0.0009 | 1.0009 | 99 875 | 4 516 691 |
| 24 | 99 919 | -56 | -0.0006 | 1.0006 | 99 947 | 4 416 816 |
| 25 | 99 975 | -54 | -0.0005 | 1.0005 | 100 001 | 4 316 869 |
| 26 | 100 028 | -57 | -0.0006 | 1.0006 | 100 057 | 4 216 868 |
| 27 | 100 086 | 51 | 0.0005 | 0.9995 | 100 060 | 4 116 811 |
| 28 | 100 035 | 68 | 0.0007 | 0.9993 | 100 001 | 4 016 751 |
| 29 | 99 966 | 3 | 0.0000 | 1.0000 | 99 965 | 3 916 750 |
| 30 | 99 963 | 40 | 0.0004 | 0.9996 | 99 943 | 3 816 785 |
| 31 | 99 923 | 36 | 0.0004 | 0.9996 | 99 905 | 3 716 842 |
| 32 | 99 887 | 116 | 0.0012 | 0.9988 | 99 830 | 3 616 937 |
| 33 | 99 772 | 148 | 0.0015 | 0.9985 | 99 698 | 3 517 107 |
| 34 | 99 624 | 149 | 0.0015 | 0.9985 | 99 550 | 3 417 409 |
| 35 | 99 475 | 161 | 0.0016 | 0.9984 | 99 395 | 3 317 860 |
| 36 | 99 314 | 235 | 0.0024 | 0.9976 | 99 197 | 3 218 465 |
| 37 | 99 080 | 240 | 0.0024 | 0.9976 | 98 960 | 3 119 268 |
| 38 | 98 840 | 245 | 0.0025 | 0.9975 | 98 718 | 3 020 308 |
| 39 | 98 595 | 391 | 0.0040 | 0.9960 | 98 400 | 2 921 591 |
| 40 | 98 204 | 466 | 0.0047 | 0.9953 | 97 971 | 2 823 191 |
| 41 | 97 738 | 482 | 0.0049 | 0.9951 | 97 497 | 2 725 219 |
| 42 | 97 257 | 568 | 0.0058 | 0.9942 | 96 972 | 2 627 722 |
| 43 | 96 688 | 620 | 0.0064 | 0.9936 | 96 378 | 2 530 750 |

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 44 | 96 068 | 754 | 0.0079 | 0.9921 | 95 691 | 2 434 372 |
| 45 | 95 313 | 732 | 0.0077 | 0.9923 | 94 947 | 2 338 681 |
| 46 | 94 581 | 810 | 0.0086 | 0.9914 | 94 176 | 2 243 734 |
| 47 | 93 771 | 906 | 0.0097 | 0.9903 | 93 318 | 2 149 558 |
| 48 | 92 865 | 1 001 | 0.0108 | 0.9892 | 92 365 | 2 056 239 |
| 49 | 91 864 | 1 113 | 0.0121 | 0.9879 | 91 308 | 1 963 874 |
| 50 | 90 752 | 1 184 | 0.0130 | 0.9870 | 90 160 | 1 872 566 |
| 51 | 89 568 | 1 213 | 0.0135 | 0.9865 | 88 962 | 1 782 406 |
| 52 | 88 356 | 1 360 | 0.0154 | 0.9846 | 87 676 | 1 693 444 |
| 53 | 86 996 | 1 562 | 0.0180 | 0.9820 | 86 214 | 1 605 769 |
| 54 | 85 433 | 1 548 | 0.0181 | 0.9819 | 84 659 | 1 519 554 |
| 55 | 83 885 | 1 554 | 0.0185 | 0.9815 | 83 108 | 1 434 895 |
| 56 | 82 331 | 1 609 | 0.0195 | 0.9805 | 81 527 | 1 351 787 |
| 57 | 80 722 | 1 851 | 0.0229 | 0.9771 | 79 797 | 1 270 260 |
| 58 | 78 872 | 2 019 | 0.0256 | 0.9744 | 77 862 | 1 190 463 |
| 59 | 76 852 | 1 981 | 0.0258 | 0.9742 | 75 862 | 1 112 601 |
| 60 | 74 871 | 2 093 | 0.0280 | 0.9720 | 73 825 | 1 036 739 |
| 61 | 72 778 | 2 009 | 0.0276 | 0.9724 | 71 774 | 962 914 |
| 62 | 70 769 | 2 210 | 0.0312 | 0.9688 | 69 664 | 891 141 |
| 63 | 68 559 | 2 437 | 0.0355 | 0.9645 | 67 340 | 821 477 |
| 64 | 66 122 | 2 259 | 0.0342 | 0.9658 | 64 993 | 754 136 |
| 65 | 63 863 | 2 300 | 0.0360 | 0.9640 | 62 713 | 689 144 |
| 66 | 61 563 | 2 230 | 0.0362 | 0.9638 | 60 448 | 626 430 |
| 67 | 59 333 | 2 233 | 0.0376 | 0.9624 | 58 216 | 565 982 |
| 68 | 57 100 | 2 427 | 0.0425 | 0.9575 | 55 886 | 507 766 |
| 69 | 54 672 | 2 503 | 0.0458 | 0.9542 | 53 421 | 451 880 |
| 70 | 52 169 | 2 662 | 0.0510 | 0.9490 | 50 838 | 398 459 |
| 71 | 49 507 | 2 568 | 0.0519 | 0.9481 | 48 223 | 347 621 |
| 72 | 46 940 | 2 633 | 0.0561 | 0.9439 | 45 623 | 299 397 |
| 73 | 44 306 | 2 638 | 0.0595 | 0.9405 | 42 987 | 253 774 |
| 74 | 41 668 | 2 730 | 0.0655 | 0.9345 | 40 303 | 210 788 |
| 75 | 38 937 | 2 869 | 0.0737 | 0.9263 | 37 503 | 170 485 |
| 76 | 36 068 | 2 923 | 0.0811 | 0.9189 | 34 606 | 132 982 |
| 77 | 33 145 | 3 023 | 0.0912 | 0.9088 | 31 633 | 98 376 |
| 78 | 30 122 | 2 892 | 0.0960 | 0.9040 | 28 676 | 66 743 |
| 79 | 27 229 | 2 777 | 0.1020 | 0.8980 | 25 841 | 38 067 |
| 80 | 24 453 | 24 453 | 1.0000 | 0.0000 | 12 226 | 12 226 |

Table 14. Life table with migration (female, urban, 2001-2003)

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 0 | 100 000 | 1 145 | 0.0114 | 0.9886 | 99 428 | 7 424 152 |
| 1 | 98 855 | 161 | 0.0016 | 0.9984 | 98 775 | 7 324 724 |
| 2 | 98 695 | 123 | 0.0012 | 0.9988 | 98 633 | 7 225 949 |
| 3 | 98 572 | -60 | -0.0006 | 1.0006 | 98 602 | 7 127 316 |
| 4 | 98 632 | 10 | 0.0001 | 0.9999 | 98 627 | 7 028 714 |
| 5 | 98 622 | -4 | 0.0000 | 1.0000 | 98 624 | 6 930 088 |
| 6 | 98 626 | -213 | -0.0022 | 1.0022 | 98 733 | 6 831 464 |
| 7 | 98 839 | -138 | -0.0014 | 1.0014 | 98 908 | 6 732 731 |
| 8 | 98 977 | -71 | -0.0007 | 1.0007 | 99 012 | 6 633 823 |
| 9 | 99 048 | -87 | -0.0009 | 1.0009 | 99 091 | 6 534 811 |
| 10 | 99 135 | -96 | -0.0010 | 1.0010 | 99 183 | 6 435 719 |
| 11 | 99 231 | -55 | -0.0006 | 1.0006 | 99 258 | 6 336 537 |
| 12 | 99 286 | -93 | -0.0009 | 1.0009 | 99 332 | 6 237 278 |
| 13 | 99 379 | -78 | -0.0008 | 1.0008 | 99 417 | 6 137 946 |
| 14 | 99 456 | -196 | -0.0020 | 1.0020 | 99 554 | 6 038 529 |
| 15 | 99 652 | -99 | -0.0010 | 1.0010 | 99 702 | 5 938 974 |
| 16 | 99 751 | 44 | 0.0004 | 0.9996 | 99 729 | 5 839 273 |
| 17 | 99 707 | -32 | -0.0003 | 1.0003 | 99 723 | 5 739 543 |
| 18 | 99 739 | -584 | -0.0059 | 1.0059 | 100 031 | 5 639 820 |
| 19 | 100 323 | -682 | -0.0068 | 1.0068 | 100 663 | 5 539 789 |
| 20 | 101 004 | -354 | -0.0035 | 1.0035 | 101 181 | 5 439 126 |
| 21 | 101 358 | -255 | -0.0025 | 1.0025 | 101 486 | 5 337 945 |
| 22 | 101 613 | -101 | -0.0010 | 1.0010 | 101 664 | 5 236 459 |
| 23 | 101 715 | -5 | 0.0000 | 1.0000 | 101 717 | 5 134 795 |
| 24 | 101 720 | -43 | -0.0004 | 1.0004 | 101 741 | 5 033 077 |
| 25 | 101 763 | -38 | -0.0004 | 1.0004 | 101 782 | 4 931 336 |
| 26 | 101 801 | -85 | -0.0008 | 1.0008 | 101 843 | 4 829 555 |
| 27 | 101 886 | -63 | -0.0006 | 1.0006 | 101 917 | 4 727 711 |
| 28 | 101 949 | -97 | -0.0010 | 1.0010 | 101 997 | 4 625 794 |
| 29 | 102 046 | -8 | -0.0001 | 1.0001 | 102 050 | 4 523 797 |
| 30 | 102 054 | -60 | -0.0006 | 1.0006 | 102 084 | 4 421 747 |
| 31 | 102 114 | -49 | -0.0005 | 1.0005 | 102 139 | 4 319 663 |
| 32 | 102 164 | -31 | -0.0003 | 1.0003 | 102 179 | 4 217 524 |
| 33 | 102 194 | 116 | 0.0011 | 0.9989 | 102 136 | 4 115 345 |
| 34 | 102 078 | 44 | 0.0004 | 0.9996 | 102 056 | 4 013 209 |
| 35 | 102 034 | 82 | 0.0008 | 0.9992 | 101 993 | 3 911 154 |
| 36 | 101 952 | 97 | 0.0010 | 0.9990 | 101 903 | 3 809 161 |
| 37 | 101 854 | 134 | 0.0013 | 0.9987 | 101 787 | 3 707 258 |
| 38 | 101 720 | 201 | 0.0020 | 0.9980 | 101 619 | 3 605 471 |
| 39 | 101 519 | 226 | 0.0022 | 0.9978 | 101 405 | 3 503 852 |
| 40 | 101 292 | 296 | 0.0029 | 0.9971 | 101 144 | 3 402 446 |
| 41 | 100 996 | 276 | 0.0027 | 0.9973 | 100 858 | 3 301 302 |
| 42 | 100 719 | 257 | 0.0026 | 0.9974 | 100 591 | 3 200 445 |
| 43 | 100 462 | 352 | 0.0035 | 0.9965 | 100 287 | 3 099 854 |

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 44 | 100 111 | 375 | 0.0037 | 0.9963 | 99 923 | 2 999 567 |
| 45 | 99 735 | 426 | 0.0043 | 0.9957 | 99 522 | 2 899 644 |
| 46 | 99 309 | 444 | 0.0045 | 0.9955 | 99 087 | 2 800 122 |
| 47 | 98 865 | 487 | 0.0049 | 0.9951 | 98 622 | 2 701 035 |
| 48 | 98 378 | 530 | 0.0054 | 0.9946 | 98 113 | 2 602 413 |
| 49 | 97 848 | 540 | 0.0055 | 0.9945 | 97 578 | 2 504 300 |
| 50 | 97 308 | 623 | 0.0064 | 0.9936 | 96 996 | 2 406 722 |
| 51 | 96 685 | 656 | 0.0068 | 0.9932 | 96 357 | 2 309 726 |
| 52 | 96 028 | 697 | 0.0073 | 0.9927 | 95 680 | 2 213 369 |
| 53 | 95 331 | 771 | 0.0081 | 0.9919 | 94 946 | 2 117 689 |
| 54 | 94 560 | 786 | 0.0083 | 0.9917 | 94 167 | 2 022 744 |
| 55 | 93 774 | 830 | 0.0089 | 0.9911 | 93 359 | 1 928 577 |
| 56 | 92 944 | 904 | 0.0097 | 0.9903 | 92 492 | 1 835 218 |
| 57 | 92 040 | 1 059 | 0.0115 | 0.9885 | 91 510 | 1 742 726 |
| 58 | 90 981 | 1 059 | 0.0116 | 0.9884 | 90 451 | 1 651 215 |
| 59 | 89 922 | 975 | 0.0108 | 0.9892 | 89 434 | 1 560 764 |
| 60 | 88 946 | 1 219 | 0.0137 | 0.9863 | 88 337 | 1 471 330 |
| 61 | 87 727 | 1 052 | 0.0120 | 0.9880 | 87 201 | 1 382 993 |
| 62 | 86 675 | 1 135 | 0.0131 | 0.9869 | 86 108 | 1 295 792 |
| 63 | 85 540 | 1 278 | 0.0149 | 0.9851 | 84 901 | 1 209 684 |
| 64 | 84 262 | 1 328 | 0.0158 | 0.9842 | 83 598 | 1 124 783 |
| 65 | 82 934 | 1 508 | 0.0182 | 0.9818 | 82 180 | 1 041 184 |
| 66 | 81 426 | 1 493 | 0.0183 | 0.9817 | 80 680 | 959 004 |
| 67 | 79 933 | 1 534 | 0.0192 | 0.9808 | 79 166 | 878 324 |
| 68 | 78 399 | 1 850 | 0.0236 | 0.9764 | 77 474 | 799 158 |
| 69 | 76 549 | 1 707 | 0.0223 | 0.9777 | 75 696 | 721 684 |
| 70 | 74 842 | 1 894 | 0.0253 | 0.9747 | 73 895 | 645 989 |
| 71 | 72 948 | 2 122 | 0.0291 | 0.9709 | 71 886 | 572 094 |
| 72 | 70 825 | 2 280 | 0.0322 | 0.9678 | 69 685 | 500 208 |
| 73 | 68 545 | 2 483 | 0.0362 | 0.9638 | 67 304 | 430 522 |
| 74 | 66 063 | 2 756 | 0.0417 | 0.9583 | 64 685 | 363 218 |
| 75 | 63 307 | 3 070 | 0.0485 | 0.9515 | 61 772 | 298 534 |
| 76 | 60 237 | 3 277 | 0.0544 | 0.9456 | 58 599 | 236 762 |
| 77 | 56 960 | 3 395 | 0.0596 | 0.9404 | 55 263 | 178 163 |
| 78 | 53 566 | 3 592 | 0.0671 | 0.9329 | 51 769 | 122 900 |
| 79 | 49 973 | 3 829 | 0.0766 | 0.9234 | 48 059 | 71 131 |
| 80 | 46 144 | 46 144 | 1.0000 | 0.0000 | 23 072 | 23 072 |

Table 15. Life table with migration (male, rural, 2001-2003)

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 0 | 100 000 | 1 940 | 0.0194 | 0.9806 | 99 030 | 6 606 483 |
| 1 | 98 060 | 186 | 0.0019 | 0.9981 | 97 967 | 6 507 453 |
| 2 | 97 874 | -178 | -0.0018 | 1.0018 | 97 963 | 6 409 486 |
| 3 | 98 052 | 10 | 0.0001 | 0.9999 | 98 047 | 6 311 524 |
| 4 | 98 042 | 152 | 0.0016 | 0.9984 | 97 966 | 6 213 477 |
| 5 | 97 890 | 84 | 0.0009 | 0.9991 | 97 848 | 6 115 511 |
| 6 | 97 806 | 278 | 0.0028 | 0.9972 | 97 667 | 6 017 664 |
| 7 | 97 528 | 567 | 0.0058 | 0.9942 | 97 244 | 5 919 997 |
| 8 | 96 961 | 471 | 0.0049 | 0.9951 | 96 725 | 5 822 753 |
| 9 | 96 490 | 377 | 0.0039 | 0.9961 | 96 301 | 5 726 028 |
| 10 | 96 113 | 151 | 0.0016 | 0.9984 | 96 037 | 5 629 727 |
| 11 | 95 962 | 89 | 0.0009 | 0.9991 | 95 918 | 5 533 689 |
| 12 | 95 873 | 162 | 0.0017 | 0.9983 | 95 792 | 5 437 772 |
| 13 | 95 711 | 66 | 0.0007 | 0.9993 | 95 678 | 5 341 980 |
| 14 | 95 645 | 248 | 0.0026 | 0.9974 | 95 521 | 5 246 301 |
| 15 | 95 397 | 256 | 0.0027 | 0.9973 | 95 269 | 5 150 780 |
| 16 | 95 141 | 49 | 0.0005 | 0.9995 | 95 117 | 5 055 511 |
| 17 | 95 092 | 132 | 0.0014 | 0.9986 | 95 026 | 4 960 394 |
| 18 | 94 960 | 980 | 0.0103 | 0.9897 | 94 470 | 4 865 368 |
| 19 | 93 980 | 907 | 0.0097 | 0.9903 | 93 526 | 4 770 898 |
| 20 | 93 073 | 598 | 0.0064 | 0.9936 | 92 774 | 4 677 372 |
| 21 | 92 475 | 539 | 0.0058 | 0.9942 | 92 206 | 4 584 598 |
| 22 | 91 936 | 576 | 0.0063 | 0.9937 | 91 648 | 4 492 393 |
| 23 | 91 361 | 584 | 0.0064 | 0.9936 | 91 068 | 4 400 744 |
| 24 | 90 776 | 550 | 0.0061 | 0.9939 | 90 501 | 4 309 676 |
| 25 | 90 226 | 599 | 0.0066 | 0.9934 | 89 927 | 4 219 175 |
| 26 | 89 627 | 578 | 0.0064 | 0.9936 | 89 338 | 4 129 248 |
| 27 | 89 049 | 278 | 0.0031 | 0.9969 | 88 910 | 4 039 910 |
| 28 | 88 771 | 250 | 0.0028 | 0.9972 | 88 646 | 3 951 000 |
| 29 | 88 521 | 407 | 0.0046 | 0.9954 | 88 318 | 3 862 354 |
| 30 | 88 114 | 331 | 0.0038 | 0.9962 | 87 949 | 3 774 036 |
| 31 | 87 783 | 348 | 0.0040 | 0.9960 | 87 609 | 3 686 087 |
| 32 | 87 435 | 189 | 0.0022 | 0.9978 | 87 340 | 3 598 479 |
| 33 | 87 245 | 208 | 0.0024 | 0.9976 | 87 141 | 3 511 139 |
| 34 | 87 037 | 235 | 0.0027 | 0.9973 | 86 920 | 3 423 997 |
| 35 | 86 803 | 183 | 0.0021 | 0.9979 | 86 711 | 3 337 077 |
| 36 | 86 619 | 207 | 0.0024 | 0.9976 | 86 516 | 3 250 366 |
| 37 | 86 412 | 226 | 0.0026 | 0.9974 | 86 299 | 3 163 851 |
| 38 | 86 186 | 251 | 0.0029 | 0.9971 | 86 060 | 3 077 551 |
| 39 | 85 935 | 84 | 0.0010 | 0.9990 | 85 893 | 2 991 491 |
| 40 | 85 851 | -46 | -0.0005 | 1.0005 | 85 874 | 2 905 598 |
| 41 | 85 897 | 92 | 0.0011 | 0.9989 | 85 851 | 2 819 724 |
| 42 | 85 805 | 36 | 0.0004 | 0.9996 | 85 787 | 2 733 872 |
| 43 | 85 769 | 156 | 0.0018 | 0.9982 | 85 691 | 2 648 085 |

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 44 | 85 613 | 28 | 0.0003 | 0.9997 | 85 599 | 2 562 394 |
| 45 | 85 585 | 63 | 0.0007 | 0.9993 | 85 554 | 2 476 795 |
| 46 | 85 522 | 132 | 0.0015 | 0.9985 | 85 456 | 2 391 241 |
| 47 | 85 390 | 29 | 0.0003 | 0.9997 | 85 376 | 2 305 785 |
| 48 | 85 361 | 80 | 0.0009 | 0.9991 | 85 321 | 2 220 409 |
| 49 | 85 280 | 74 | 0.0009 | 0.9991 | 85 244 | 2 135 088 |
| 50 | 85 207 | 70 | 0.0008 | 0.9992 | 85 172 | 2 049 845 |
| 51 | 85 137 | 310 | 0.0036 | 0.9964 | 84 982 | 1 964 673 |
| 52 | 84 827 | 201 | 0.0024 | 0.9976 | 84 727 | 1 879 691 |
| 53 | 84 626 | 253 | 0.0030 | 0.9970 | 84 500 | 1 794 965 |
| 54 | 84 374 | 447 | 0.0053 | 0.9947 | 84 150 | 1 710 465 |
| 55 | 83 926 | 319 | 0.0038 | 0.9962 | 83 767 | 1 626 314 |
| 56 | 83 607 | 694 | 0.0083 | 0.9917 | 83 260 | 1 542 548 |
| 57 | 82 913 | 621 | 0.0075 | 0.9925 | 82 603 | 1 459 287 |
| 58 | 82 292 | 730 | 0.0089 | 0.9911 | 81 927 | 1 376 684 |
| 59 | 81 562 | 888 | 0.0109 | 0.9891 | 81 118 | 1 294 757 |
| 60 | 80 674 | 1 061 | 0.0131 | 0.9869 | 80 144 | 1 213 639 |
| 61 | 79 613 | 1 316 | 0.0165 | 0.9835 | 78 955 | 1 133 495 |
| 62 | 78 297 | 1 287 | 0.0164 | 0.9836 | 77 654 | 1 054 540 |
| 63 | 77 010 | 1 547 | 0.0201 | 0.9799 | 76 236 | 976 887 |
| 64 | 75 463 | 1 743 | 0.0231 | 0.9769 | 74 591 | 900 650 |
| 65 | 73 720 | 2 126 | 0.0288 | 0.9712 | 72 657 | 826 059 |
| 66 | 71 594 | 2 110 | 0.0295 | 0.9705 | 70 539 | 753 402 |
| 67 | 69 484 | 2 389 | 0.0344 | 0.9656 | 68 289 | 682 864 |
| 68 | 67 094 | 2 462 | 0.0367 | 0.9633 | 65 863 | 614 575 |
| 69 | 64 632 | 2 616 | 0.0405 | 0.9595 | 63 324 | 548 711 |
| 70 | 62 016 | 2 584 | 0.0417 | 0.9583 | 60 724 | 485 387 |
| 71 | 59 432 | 2 855 | 0.0480 | 0.9520 | 58 004 | 424 663 |
| 72 | 56 577 | 2 901 | 0.0513 | 0.9487 | 55 126 | 366 659 |
| 73 | 53 676 | 3 043 | 0.0567 | 0.9433 | 52 155 | 311 533 |
| 74 | 50 633 | 3 282 | 0.0648 | 0.9352 | 48 992 | 259 378 |
| 75 | 47 352 | 3 348 | 0.0707 | 0.9293 | 45 677 | 210 386 |
| 76 | 44 003 | 3 232 | 0.0734 | 0.9266 | 42 387 | 164 708 |
| 77 | 40 771 | 3 362 | 0.0825 | 0.9175 | 39 090 | 122 321 |
| 78 | 37 409 | 3 484 | 0.0931 | 0.9069 | 35 668 | 83 231 |
| 79 | 33 926 | 3 325 | 0.0980 | 0.9020 | 32 263 | 47 563 |
| 80 | 30 600 | 30 600 | 1.0000 | 0.0000 | 15 300 | 15 300 |

Table 16. Life table with migration (female, rural, 2001-2003)

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 0 | 100 000 | 1 584 | 0.0158 | 0.9842 | 99 208 | 6 995 758 |
| 1 | 98 416 | -98 | -0.0010 | 1.0010 | 98 464 | 6 896 550 |
| 2 | 98 513 | -142 | -0.0014 | 1.0014 | 98 584 | 6 798 085 |
| 3 | 98 655 | 299 | 0.0030 | 0.9970 | 98 506 | 6 699 501 |
| 4 | 98 356 | 100 | 0.0010 | 0.9990 | 98 306 | 6 600 996 |
| 5 | 98 256 | 104 | 0.0011 | 0.9989 | 98 204 | 6 502 689 |
| 6 | 98 152 | 568 | 0.0058 | 0.9942 | 97 868 | 6 404 485 |
| 7 | 97 584 | 371 | 0.0038 | 0.9962 | 97 399 | 6 306 617 |
| 8 | 97 213 | 217 | 0.0022 | 0.9978 | 97 105 | 6 209 218 |
| 9 | 96 997 | 245 | 0.0025 | 0.9975 | 96 874 | 6 112 113 |
| 10 | 96 752 | 220 | 0.0023 | 0.9977 | 96 642 | 6 015 239 |
| 11 | 96 532 | 163 | 0.0017 | 0.9983 | 96 450 | 5 918 597 |
| 12 | 96 369 | 275 | 0.0029 | 0.9971 | 96 231 | 5 822 147 |
| 13 | 96 094 | 248 | 0.0026 | 0.9974 | 95 970 | 5 725 916 |
| 14 | 95 846 | 511 | 0.0053 | 0.9947 | 95 590 | 5 629 946 |
| 15 | 95 335 | 307 | 0.0032 | 0.9968 | 95 181 | 5 534 356 |
| 16 | 95 028 | -40 | -0.0004 | 1.0004 | 95 048 | 5 439 174 |
| 17 | 95 068 | 175 | 0.0018 | 0.9982 | 94 980 | 5 344 126 |
| 18 | 94 893 | 1 503 | 0.0158 | 0.9842 | 94 141 | 5 249 146 |
| 19 | 93 390 | 1 816 | 0.0194 | 0.9806 | 92 482 | 5 155 005 |
| 20 | 91 574 | 1 081 | 0.0118 | 0.9882 | 91 033 | 5 062 523 |
| 21 | 90 493 | 815 | 0.0090 | 0.9910 | 90 086 | 4 971 490 |
| 22 | 89 678 | 409 | 0.0046 | 0.9954 | 89 474 | 4 881 404 |
| 23 | 89 269 | 160 | 0.0018 | 0.9982 | 89 189 | 4 791 930 |
| 24 | 89 110 | 309 | 0.0035 | 0.9965 | 88 955 | 4 702 741 |
| 25 | 88 801 | 310 | 0.0035 | 0.9965 | 88 646 | 4 613 786 |
| 26 | 88 490 | 434 | 0.0049 | 0.9951 | 88 273 | 4 525 140 |
| 27 | 88 056 | 359 | 0.0041 | 0.9959 | 87 877 | 4 436 867 |
| 28 | 87 697 | 470 | 0.0054 | 0.9946 | 87 462 | 4 348 990 |
| 29 | 87 228 | 216 | 0.0025 | 0.9975 | 87 119 | 4 261 528 |
| 30 | 87 011 | 343 | 0.0039 | 0.9961 | 86 840 | 4 174 408 |
| 31 | 86 668 | 325 | 0.0037 | 0.9963 | 86 506 | 4 087 568 |
| 32 | 86 343 | 291 | 0.0034 | 0.9966 | 86 198 | 4 001 063 |
| 33 | 86 052 | 0 | 0.0000 | 1.0000 | 86 052 | 3 914 865 |
| 34 | 86 052 | 222 | 0.0026 | 0.9974 | 85 941 | 3 828 812 |
| 35 | 85 830 | 89 | 0.0010 | 0.9990 | 85 786 | 3 742 871 |
| 36 | 85 742 | 133 | 0.0015 | 0.9985 | 85 675 | 3 657 085 |
| 37 | 85 609 | 82 | 0.0010 | 0.9990 | 85 568 | 3 571 410 |
| 38 | 85 527 | -65 | -0.0008 | 1.0008 | 85 559 | 3 485 842 |
| 39 | 85 592 | -87 | -0.0010 | 1.0010 | 85 635 | 3 400 282 |
| 40 | 85 679 | -214 | -0.0025 | 1.0025 | 85 786 | 3 314 647 |
| 41 | 85 893 | -181 | -0.0021 | 1.0021 | 85 984 | 3 228 861 |
| 42 | 86 074 | -114 | -0.0013 | 1.0013 | 86 131 | 3 142 878 |
| 43 | 86 188 | -249 | -0.0029 | 1.0029 | 86 313 | 3 056 747 |

| $x$ | $l'_x$ | $\Delta_x$ | $\frac{\Delta_x}{l'_x}$ | $\frac{l'_{x+1}}{l'_x}$ | $L'_x$ | $T'_x$ |
|---|---|---|---|---|---|---|
| 44 | 86 437 | -261 | -0.0030 | 1.0030 | 86 568 | 2 970 434 |
| 45 | 86 698 | -260 | -0.0030 | 1.0030 | 86 828 | 2 883 866 |
| 46 | 86 959 | -317 | -0.0036 | 1.0036 | 87 117 | 2 797 038 |
| 47 | 87 275 | -308 | -0.0035 | 1.0035 | 87 429 | 2 709 921 |
| 48 | 87 583 | -355 | -0.0041 | 1.0041 | 87 761 | 2 622 492 |
| 49 | 87 939 | -327 | -0.0037 | 1.0037 | 88 102 | 2 534 731 |
| 50 | 88 266 | -381 | -0.0043 | 1.0043 | 88 456 | 2 446 629 |
| 51 | 88 647 | -405 | -0.0046 | 1.0046 | 88 850 | 2 358 172 |
| 52 | 89 052 | -252 | -0.0028 | 1.0028 | 89 178 | 2 269 322 |
| 53 | 89 305 | -405 | -0.0045 | 1.0045 | 89 507 | 2 180 144 |
| 54 | 89 709 | -300 | -0.0033 | 1.0033 | 89 860 | 2 090 637 |
| 55 | 90 010 | -156 | -0.0017 | 1.0017 | 90 087 | 2 000 777 |
| 56 | 90 165 | -201 | -0.0022 | 1.0022 | 90 266 | 1 910 690 |
| 57 | 90 366 | -247 | -0.0027 | 1.0027 | 90 490 | 1 820 424 |
| 58 | 90 613 | -46 | -0.0005 | 1.0005 | 90 637 | 1 729 934 |
| 59 | 90 660 | 158 | 0.0017 | 0.9983 | 90 581 | 1 639 298 |
| 60 | 90 502 | 92 | 0.0010 | 0.9990 | 90 456 | 1 548 717 |
| 61 | 90 410 | 436 | 0.0048 | 0.9952 | 90 192 | 1 458 261 |
| 62 | 89 974 | 673 | 0.0075 | 0.9925 | 89 637 | 1 368 070 |
| 63 | 89 301 | 743 | 0.0083 | 0.9917 | 88 929 | 1 278 432 |
| 64 | 88 558 | 977 | 0.0110 | 0.9890 | 88 070 | 1 189 503 |
| 65 | 87 581 | 1 117 | 0.0128 | 0.9872 | 87 023 | 1 101 433 |
| 66 | 86 464 | 1 176 | 0.0136 | 0.9864 | 85 876 | 1 014 411 |
| 67 | 85 289 | 1 491 | 0.0175 | 0.9825 | 84 543 | 928 534 |
| 68 | 83 797 | 1 638 | 0.0195 | 0.9805 | 82 978 | 843 991 |
| 69 | 82 159 | 2 006 | 0.0244 | 0.9756 | 81 156 | 761 013 |
| 70 | 80 154 | 2 303 | 0.0287 | 0.9713 | 79 002 | 679 856 |
| 71 | 77 850 | 2 355 | 0.0302 | 0.9698 | 76 673 | 600 855 |
| 72 | 75 495 | 2 568 | 0.0340 | 0.9660 | 74 211 | 524 182 |
| 73 | 72 927 | 3 034 | 0.0416 | 0.9584 | 71 411 | 449 971 |
| 74 | 69 894 | 3 196 | 0.0457 | 0.9543 | 68 296 | 378 560 |
| 75 | 66 698 | 3 488 | 0.0523 | 0.9477 | 64 954 | 310 264 |
| 76 | 63 210 | 3 732 | 0.0590 | 0.9410 | 61 344 | 245 310 |
| 77 | 59 478 | 3 764 | 0.0633 | 0.9367 | 57 596 | 183 965 |
| 78 | 55 715 | 4 269 | 0.0766 | 0.9234 | 53 580 | 126 369 |
| 79 | 51 445 | 4 379 | 0.0851 | 0.9149 | 49 256 | 72 789 |
| 80 | 47 067 | 47 067 | 1.0000 | 0.0000 | 23 533 | 23 533 |

Table 17. Male and female urban population if there is no migration up to the age $x$ (1996-1998).

| Age | Male | | Female | |
|---|---|---|---|---|
| | Conditional number ($T'_{0,x}$) | $\frac{T'_{0,x}}{T'_0}.100\%$ | Conditional number ($T'_{0,x}$) | $\frac{T'_{0,x}}{T'_0}.100\%$ |
| 4 | 6 636 484 | 101.1 | 7 365 228 | 101.0 |
| 9 | 6 610 414 | 100.7 | 7 334 926 | 100.6 |
| 14 | 6 612 042 | 100.8 | 7 326 297 | 100.4 |
| 19 | 6 554 233 | 99.9 | 7 146 573 | 98.0 |
| 24 | 6 522 088 | 99.4 | 7 122 983 | 97.7 |
| 29 | 6 502 310 | 99.1 | 7 086 094 | 97.1 |
| 34 | 6 483 807 | 98.8 | 7 067 208 | 96.9 |
| 39 | 6 491 989 | 98.9 | 7 068 826 | 96.9 |
| 44 | 6 514 603 | 99.3 | 7 085 026 | 97.1 |
| 49 | 6 545 776 | 99.8 | 7 114 881 | 97.5 |
| 54 | 6 583 944 | 100.3 | 7 154 543 | 98.1 |
| 59 | 6 626 953 | 101.0 | 7 210 700 | 98.9 |
| 64 | 6 654 596 | 101.4 | 7 230 980 | 99.1 |
| 69 | 6 660 291 | 101.5 | 7 234 420 | 99.2 |
| 74 | 6 660 845 | 101.5 | 7 234 401 | 99.2 |
| 79 | 6 660 864 | 101.5 | 7 234 206 | 99.2 |
| 80+ | 6 660 864 | 101.5 | 7 234 206 | 99.2 |
| $T'_0$ | 6 562 048 | 100.0 | 7 294 634 | 100.0 |

Table 18. Male and female rural population if there is no migration up to the age $x$ (1996-1998).

| Age | Male | | Female | |
|---|---|---|---|---|
| | Conditional number ($T'_{0,x}$) | $\frac{T'_{0,x}}{T'_0}.100\%$ | Conditional number ($T'_{0,x}$) | $\frac{T'_{0,x}}{T'_0}.100\%$ |
| 4 | 6 507 957 | 97.4 | 6 690 694 | 97.8 |
| 9 | 6 564 565 | 98.2 | 6 750 047 | 98.7 |
| 14 | 6 560 702 | 98.1 | 6 769 429 | 98.9 |
| 19 | 6 706 382 | 100.3 | 7 275 322 | 106.3 |
| 24 | 6 808 720 | 101.9 | 7 361 862 | 107.6 |
| 29 | 6 862 874 | 102.7 | 7 475 715 | 109.3 |
| 34 | 6 913 636 | 103.4 | 7 536 817 | 110.2 |
| 39 | 6 888 421 | 103.1 | 7 530 445 | 110.1 |
| 44 | 6 815 090 | 102.0 | 7 468 099 | 109.2 |
| 49 | 6 716 486 | 100.5 | 7 363 534 | 107.6 |
| 54 | 6 617 479 | 99.0 | 7 259 381 | 106.1 |
| 59 | 6 536 977 | 97.8 | 7 156 395 | 104.6 |
| 64 | 6 498 501 | 97.2 | 7 127 660 | 104.2 |
| 69 | 6 491 600 | 97.1 | 7 123 270 | 104.1 |
| 74 | 6 491 004 | 97.1 | 7 123 275 | 104.1 |
| 79 | 6 490 987 | 97.1 | 7 123 461 | 104.1 |
| 80+ | 6 490 987 | 97.1 | 7 123 461 | 104.1 |
| $T'_0$ | 6 684 769 | 100.0 | 6 842 112 | 100.0 |

Table 19. Male and female urban population if there is no migration up to the age $x$ (2001-2003).

| Age | Male | | Female | |
|---|---|---|---|---|
| | Conditional number ($T'_{0,x}$) | $\frac{T'_{0,x}}{T'_0}.100\%$ | Conditional number ($T'_{0,x}$) | $\frac{T'_{0,x}}{T'_0}.100\%$ |
| 4 | 6 796 743 | 100.1 | 7 431 707 | 100.1 |
| 9 | 6 754 817 | 99.4 | 7 390 513 | 99.5 |
| 14 | 6 740 715 | 99.2 | 7 353 870 | 99.1 |
| 19 | 6 699 208 | 98.6 | 7 272 605 | 98.0 |
| 24 | 6 656 950 | 98.0 | 7 224 241 | 97.3 |
| 29 | 6 635 684 | 97.7 | 7 201 001 | 97.0 |
| 34 | 6 626 970 | 97.6 | 7 187 867 | 96.8 |
| 39 | 6 631 090 | 97.6 | 7 193 476 | 96.9 |
| 44 | 6 654 431 | 98.0 | 7 213 869 | 97.2 |
| 49 | 6 685 413 | 98.4 | 7 240 283 | 97.5 |
| 54 | 6 721 280 | 98.9 | 7 271 640 | 97.9 |
| 59 | 6 755 937 | 99.5 | 7 304 867 | 98.4 |
| 64 | 6 782 289 | 99.8 | 7 324 893 | 98.7 |
| 69 | 6 792 347 | 100.0 | 7 329 661 | 98.7 |
| 74 | 6 794 849 | 100.0 | 7 326 043 | 98.7 |
| 79 | 6 794 111 | 100.0 | 7 321 964 | 98.6 |
| 80+ | 6 794 111 | 100.0 | 7 321 964 | 98.6 |
| $T'_0$ | 6 792 781 | 100.0 | 7 424 152 | 100.0 |

Table 20. Male and female rural population if there is no migration up to the age $x$ (2001-2003).

| Age | Male | | Female | |
|---|---|---|---|---|
| | Conditional number ($T'_{0,x}$) | $\frac{T'_{0,x}}{T'_0}.100\%$ | Conditional number ($T'_{0,x}$) | $\frac{T'_{0,x}}{T'_0}.100\%$ |
| 4 | 6 596 716 | 99.9 | 6 978 416 | 99.8 |
| 9 | 6 689 782 | 101.3 | 7 067 253 | 101.0 |
| 14 | 6 720 752 | 101.7 | 7 146 447 | 102.2 |
| 19 | 6 826 494 | 103.3 | 7 356 741 | 105.2 |
| 24 | 6 947 542 | 105.2 | 7 507 030 | 107.3 |
| 29 | 7 021 294 | 106.3 | 7 593 732 | 108.5 |
| 34 | 7 046 299 | 106.7 | 7 637 095 | 109.2 |
| 39 | 7 034 405 | 106.5 | 7 617 836 | 108.9 |
| 44 | 6 964 943 | 105.4 | 7 544 250 | 107.8 |
| 49 | 6 869 734 | 104.0 | 7 448 606 | 106.5 |
| 54 | 6 766 332 | 102.4 | 7 349 166 | 105.1 |
| 59 | 6 687 069 | 101.2 | 7 271 875 | 103.9 |
| 64 | 6 643 445 | 100.6 | 7 238 141 | 103.5 |
| 69 | 6 630 439 | 100.4 | 7 231 471 | 103.4 |
| 74 | 6 627 532 | 100.3 | 7 235 925 | 103.4 |
| 79 | 6 628 259 | 100.3 | 7 240 301 | 103.5 |
| 80+ | 6 628 259 | 100.3 | 7 240 301 | 103.5 |
| $T'_0$ | 6 606 483 | 100.0 | 6 995 758 | 100.0 |

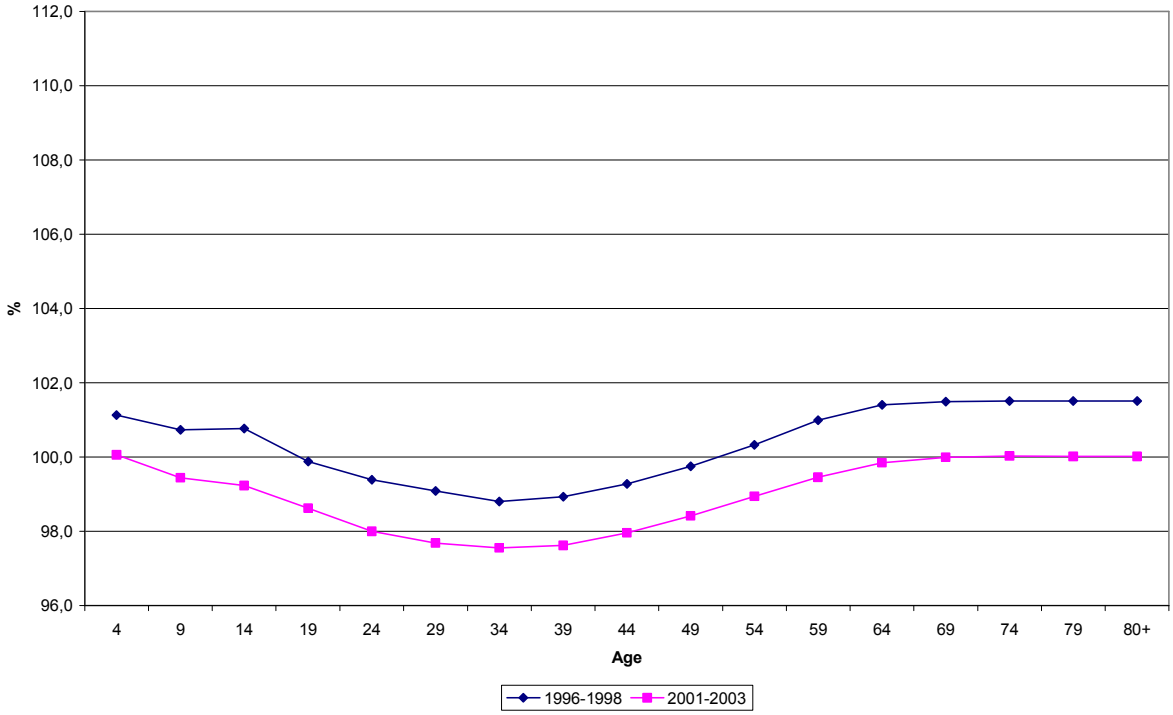


Figure 1. Ratio $\frac{T'_{0,x}}{T'_0}$ if there is no migration up to the age $x$ (male, urban)

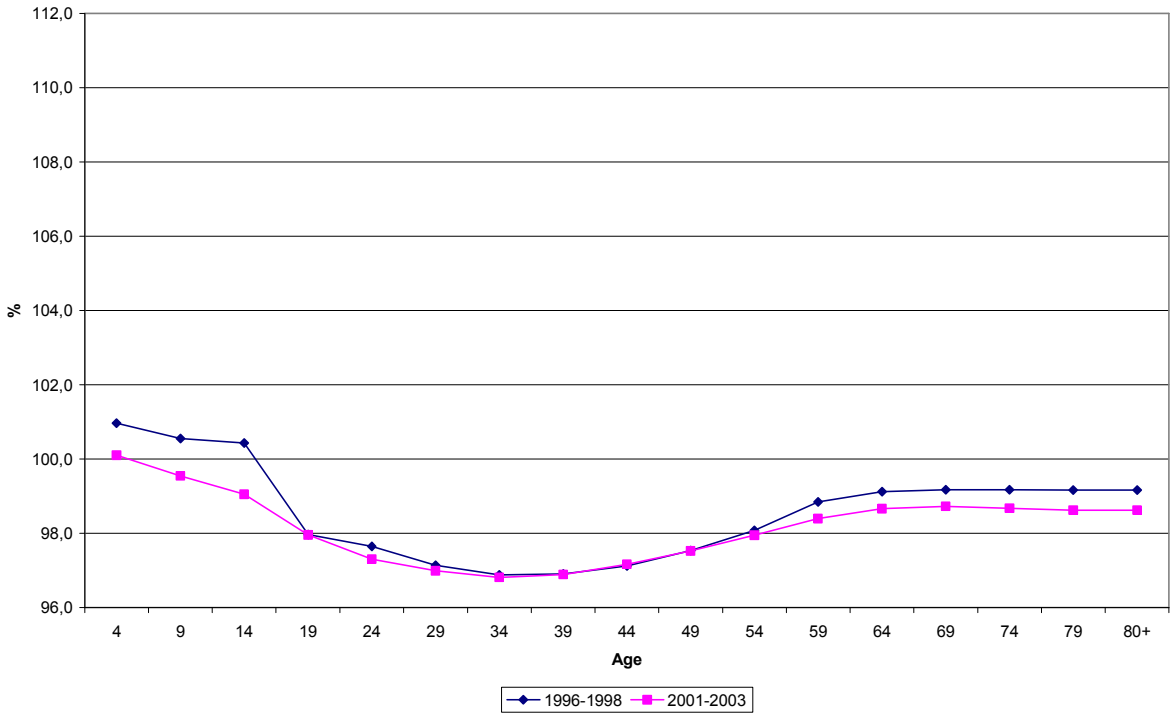


Figure 2. Ratio $\frac{T'_{0,x}}{T'_0}$ if there is no migration up to the age $x$ (female, urban)

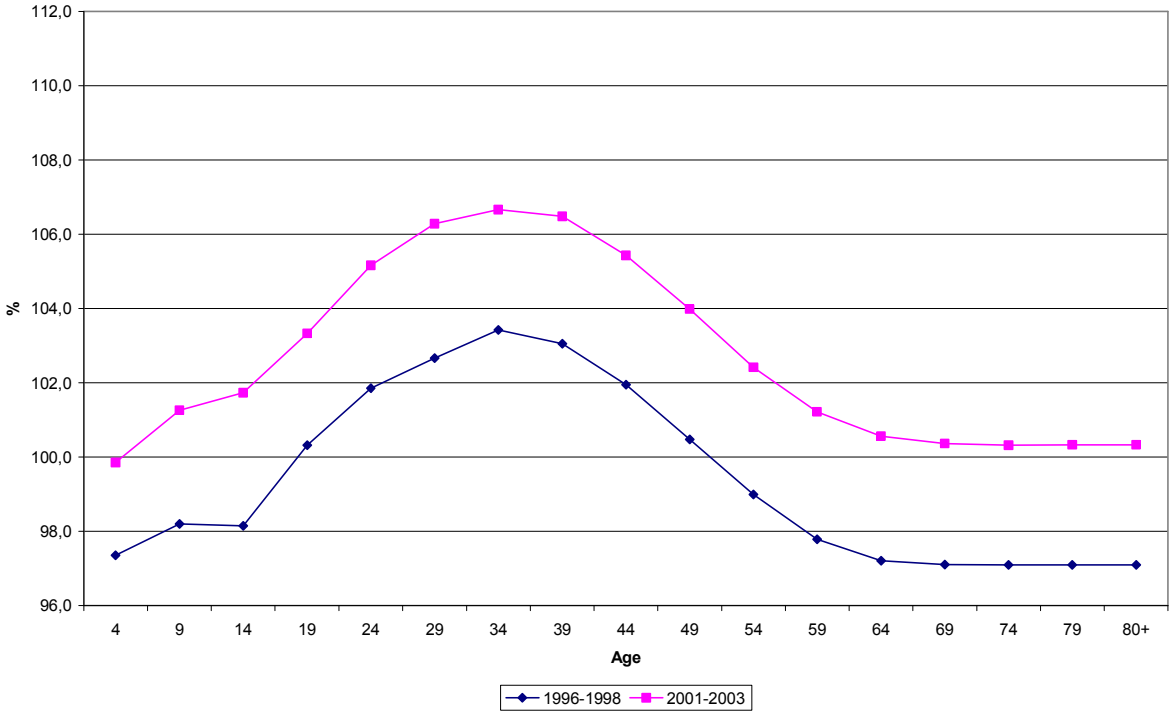


Figure 3. Ratio $\frac{T'_{0,x}}{T'_0}$ if there is no migration up to the age $x$ (male, rural)

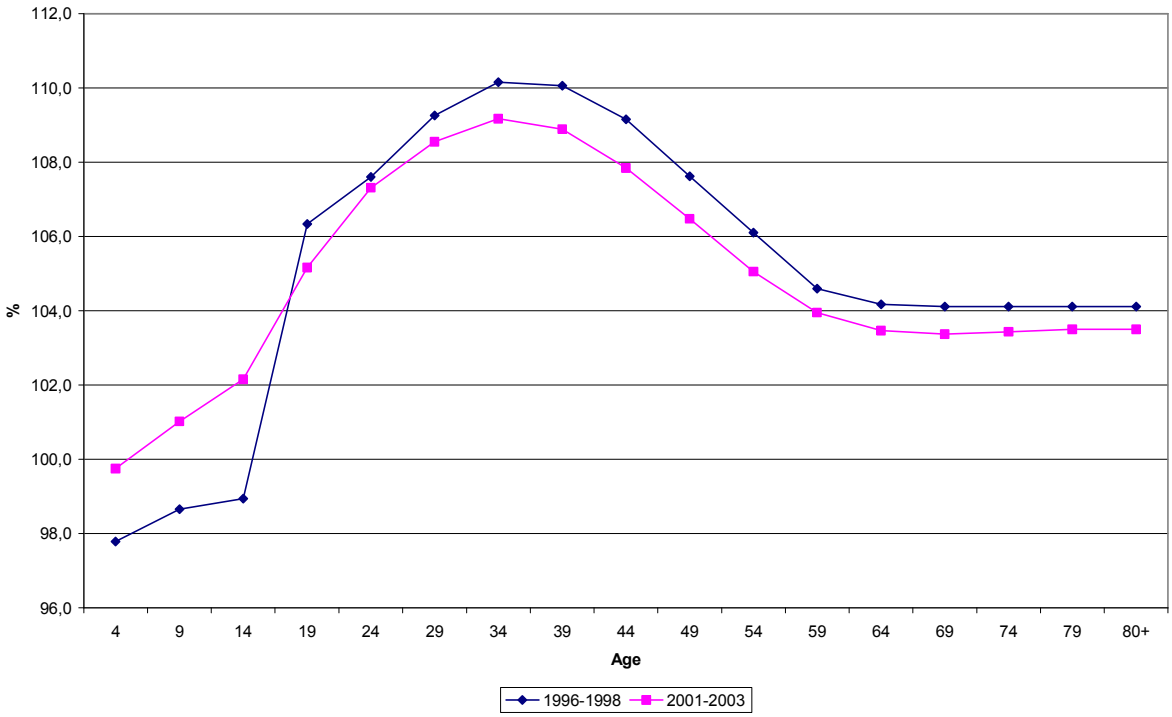


Figure 4. Ratio $\frac{T'_{0,x}}{T'_0}$ if there is no migration up to the age $x$ (female, rural)