

---

# Abridged Life Tables For Japan 2006

Statistics and Information Department  
Minister's Secretariat  
Ministry of Health, Labour and Welfare  
Japanese Government  
1-2-2, Kasumigaseki, Chiyoda-ku  
Tokyo 100-8916  
Japan

Ministry of Health, Labour and Welfare Homepage (URL) <http://www.mhlw.go.jp/>

---

## CONTENTS

- I . Life expectancies at specified ages
- II . Survival situation in the life table
- III . Life expectancies at birth in some countries
- IV . Analyses by cause of death

Table A . Abridged Life Tables for Japan 2006

---



## I . Life expectancies at specified ages

In the abridged life tables for 2006, life expectancy at birth for males is 79.00 years, increased by 0.44 years from that of the previous year, and that for females is 85.81 years, increased by 0.29 years.

Life expectancies at specified ages for males and females increase at all age. The difference in life expectancy at birth between males and females is 6.81 years, 0.15 years shorter than that of the previous year.

**Table 1. Life expectancies at specified ages and their increments compared with that of the previous year**

Age	Male			Female		
	2006	2005	Increase	2006	2005	Increase
0	79.00	78.56	0.44	85.81	85.52	0.29
5	74.30	73.88	0.42	81.10	80.81	0.29
10	69.34	68.93	0.41	76.13	75.84	0.29
15	64.38	63.97	0.41	71.16	70.87	0.29
20	59.49	59.08	0.41	66.22	65.93	0.29
25	54.66	54.25	0.41	61.31	61.02	0.29
30	49.83	49.43	0.40	56.41	56.12	0.29
35	45.02	44.62	0.40	51.52	51.23	0.29
40	40.25	39.86	0.39	46.66	46.38	0.28
45	35.56	35.18	0.38	41.86	41.57	0.29
50	31.00	30.63	0.37	37.12	36.84	0.28
55	26.60	26.25	0.35	32.48	32.20	0.28
60	22.41	22.09	0.32	27.92	27.66	0.26
65	18.45	18.13	0.32	23.44	23.19	0.25
70	14.69	14.39	0.30	19.12	18.88	0.24
75	11.31	11.07	0.24	15.04	14.83	0.21
80	8.45	8.22	0.23	11.32	11.13	0.19
85	6.09	5.89	0.20	8.13	7.99	0.14
90	4.32	4.15	0.17	5.66	5.53	0.13
95	3.08	2.93	0.15	3.88	3.77	0.11
100	2.20	2.08	0.12	2.63	2.54	0.09

Note: Data of 2005 is based on complete life tables.

**Table 2. Trends of life expectancy at birth**

Year	Male	Female	Difference
1947	50.06	53.96	3.90
1950-1952	59.57	62.97	3.40
1955	63.60	67.75	4.15
1960	65.32	70.19	4.87
1965	67.74	72.92	5.18
1970	69.31	74.66	5.35
1975	71.73	76.89	5.16
1980	73.35	78.76	5.41
1985	74.78	80.48	5.70
1990	75.92	81.90	5.98
1995	76.38	82.85	6.47
2000	77.72	84.60	6.88
2001	78.07	84.93	6.86
2002	78.32	85.23	6.91
2003	78.36	85.33	6.97
2004	78.64	85.59	6.95
2005	78.56	85.52	6.96
2006	79.00	85.81	6.81

Notes: 1. Data of 1947-2000 and 2005 are based on complete life tables.  
2. Before 1970, data of Okinawa prefecture is not included.

## II . Survival situation in the life table

In the abridged life tables for 2006, the number of survivors at age 65 is 86,135 for males and 93,260 for females in a stationary population supported by 100,000 annual live births. These facts lead that the survival ratio until age 65 is 86.1% for males and 93.3% for females. In the same way, it follows that the survival ratio until age 75 is 70.3% for males and 85.5% for females, and the survival ratio until age 90 is 20.6% for males and 43.9% for females

The number of stationary population from age 0 (total person-years from age 0) is 7,899,801 for males and 8,580,687 for females. The number of stationary population from age 65 (total person-years from age 65) is 1,588,856(20.1%) for males and 2,186,233(25.5%) for females.

The median length of life, which means the age when exactly half of the cohort remains alive, is 81.94years for males and 88.61 years for females.

**Table 3. Survival ratio until specified ages**

Year	Male (%)				Female (%)			
	Age40	65	75	90	Age40	65	75	90
1947	68.0	39.8	18.5	0.9	70.9	49.1	29.0	2.0
1950-1952	81.8	55.1	29.4	2.0	83.2	62.8	40.5	4.0
1955	87.0	61.8	34.6	2.7	89.0	70.6	47.6	6.2
1960	89.7	64.8	36.1	2.3	92.2	75.2	51.5	6.0
1965	92.6	69.1	39.9	2.3	95.0	80.0	57.1	6.5
1970	93.7	72.1	43.5	3.5	96.1	82.6	61.2	8.6
1975	95.1	76.8	51.0	5.4	96.9	86.1	67.8	12.0
1980	96.1	79.4	55.7	7.1	97.6	88.5	72.7	16.0
1985	96.7	81.1	60.2	9.4	98.0	90.1	76.9	21.2
1990	97.1	82.6	63.0	11.6	98.3	91.3	79.8	26.3
1995	97.2	83.3	63.8	12.8	98.4	91.6	81.2	30.9
2000	97.5	84.7	66.7	17.3	98.6	92.6	83.7	38.8
2001	97.6	85.1	67.5	18.2	98.6	92.8	84.2	40.1
2002	97.7	85.4	68.2	19.0	98.6	92.9	84.5	41.4
2003	97.6	85.3	68.4	19.0	98.6	93.0	84.8	41.7
2004	97.7	85.7	69.1	19.8	98.7	93.0	85.0	42.8
2005	97.7	85.7	69.3	19.3	98.7	93.1	85.1	42.7
2006	97.8	86.1	70.3	20.6	98.7	93.3	85.5	43.9

Notes:1.Data of 1947-2000 and 2005 are based on complete life tables.  
2.Before 1970, data of Okinawa prefecture is not included.

**Table5 The median length of life**

Year	Male (years)		Female (years)	
	Male	Female	Male	Female
1947	59.28	64.45		
1950-1952	67.22	71.31		
1955	69.79	74.19		
1960	70.66	75.44		
1965	72.00	77.04		
1970	73.10	78.19		
1975	75.31	80.17		
1980	76.69	81.75		
1985	78.06	83.38		
1990	79.13	84.71		
1995	79.49	85.73		
2000	80.74	87.41		
2001	81.08	87.72		
2002	81.28	88.02		
2003	81.35	88.09		
2004	81.57	88.34		
2005	81.56	88.34		
2006	81.94	88.61		

Notes:1.Data of 1947-2000 and 2005 are based on complete life tables.  
2.Before 1970, data of Okinawa prefecture is not included.

**Table 4. Ratio of total person-years from age 65 to total person-years from age 0**

Year	Female (%)	
	Male	Female
1947	...	...
1950-1952	10.5	13.3
1955	11.5	14.7
1960	11.5	15.1
1965	12.1	16.0
1970	13.0	17.0
1975	14.7	18.5
1980	15.8	19.9
1985	16.8	21.2
1990	17.6	22.3
1995	18.0	23.2
2000	19.1	24.5
2001	19.4	24.8
2002	19.6	25.0
2003	19.6	25.1
2004	19.8	25.3
2005	19.8	25.2
2006	20.1	25.5

Notes:1.Data of 1947-2000 and 2005 are based on complete life tables.  
2.Before 1970, data of Okinawa prefecture is not included.

### III. Life expectancies at birth in some countries

In general, it is rather difficult to compare the life expectancies exactly among different countries, because the periods based on are not always accordant with each other.

Next table provides the life expectancies at birth in some countries as far as we have obtained.

**Table 6. Life expectancies at birth in some countries**

(Life expectancy:years, Population:10 thousands)

Country		Period	Male	Female	Population
	Japan	2006*	79.00	85.81	12 615
AFRICA	Algeria	2000	72.5	74.2	3 236
	Egypt	2004*	68.4	72.8	7 122
	Nigeria	2000-2005	52.0	52.2	12 615
	South Africa	1996*	52.11	61.60	4 659
	Tunisia	2005*	71.6	75.5	994
NORTH AMERICA	Canada	2002*	77.2	82.1	3 197
	Mexico	2005*	73.0	77.9	10 535
	United States	2004*	75.2	80.4	29 362
SOUTH AMERICA	Argentina	2000-2001*	70.0	77.5	3 823
	Brazil	2004*	67.9	75.5	18 159
	Chile	2001-2002	74.4	80.4	1 609
	Peru	1995-2000	65.9	70.8	2 755
ASIA	China	2000*	69.63	73.33	129 608
	India	1998-2002*	61.6	63.3	108 560
	Indonesia	2002*	64.2	68.1	21 708
	Israel	2005*	78.3	82.3	681
	Korea, Republic of	2005*	75.14	81.89	4 808
	Malaysia	2005*	71.5	76.2	2 558
	Singapore	2006*	78.0	81.8	424
	Thailand	2002*	69.9	74.9	6 418
EUROPE	Austria	2005*	76.65	82.24	818
	Belgium	2002	75.1	81.1	1 042
	Czech Republic	2006*	73.45	79.67	1 021
	Denmark	2005-2006*	75.88	80.43	540
	Finland	2006*	75.8	82.8	523
	France	2005*	76.8	83.8	6 038
	Germany	2003-2005*	76.21	81.78	8 250
	Iceland	2006*	79.4	83.0	29
	Italy	2003*	77.16	82.84	5 818
	Netherlands	2005*	77.2	81.6	1 628
	Norway	2006*	78.12	82.66	459
	Poland	2005*	70.81	79.40	3 818
	Russian Federation	2003	58.8	72.0	14 382
	Spain	2005*	77.4	83.9	4 269
	Sweden	2006*	78.50	82.78	899
	Switzerland	2005*	78.7	83.9	739
United Kingdom	2003-2005*	76.6	81.0	5 984	
OCEANIA	Australia	2004*	78.1	83.0	2 011
	New Zealand	2004-2006*	77.9	81.9	406

Reference: In Hong Kong of 2005, life expectancy at birth for males is 78.8 years, and that for females is 84.6 years. (population: 688 ten thousands)

Note: Population means 2004 mid-year estimated population.

But population of Japan is Estimated Population at Oct. 1, 2006

Population of Nigeria is 2003 mid-year estimated population.

Source: Demographic Yearbook 2004, U.N., Recent demographic developments in Europe 2004, Council of Europe, etc

\*Data offered from the government concerned.

#### IV. Analyses by cause of death

##### 1. Mortality probabilities by cause of death

Mortality probability by cause of death means the probability that a person at specific ages will die of specified cause of death in the future.

As for leading causes of death in 2006, the probability of malignant neoplasms is the largest for both sexes at age 0, followed by heart diseases, pneumonia, cerebrovascular diseases for males and H.C.P. for females.

The mortality probability by three leading causes (i.e. malignant neoplasms, heart diseases and cerebrovascular diseases) of death accounts for over 50 percent for both sexes at age 0.

**Table 7. Mortality probabilities by causes of death**

Cause of death	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	29.97	20.56	29.37	18.68	25.81	16.44	15.00	9.92
Heart diseases	14.87	19.24	15.18	20.04	15.63	20.64	17.47	21.48
Cerebrovascular diseases	11.16	13.77	11.66	14.22	12.19	14.58	12.42	14.35
Pneumonia	12.47	12.07	14.11	12.80	15.99	13.57	21.39	16.20
Accidents	3.66	2.64	3.03	2.44	2.95	2.35	2.62	1.87
Traffic accidents	0.82	0.38	0.42	0.28	0.33	0.21	0.11	0.05
Suicide	2.57	1.09	0.82	0.48	0.53	0.33	0.30	0.12
Renal failure	1.99	2.48	2.19	2.61	2.39	2.70	2.94	2.81
Diseases of liver	1.40	0.83	0.95	0.76	0.66	0.66	0.36	0.34
Diabetes mellitus	1.09	1.12	1.04	1.13	0.91	1.08	0.58	0.76
Hypertensive diseases	0.44	0.91	0.47	0.96	0.52	1.03	0.78	1.29
Tuberculosis	0.28	0.14	0.29	0.14	0.31	0.14	0.26	0.09
Senility	2.23	6.78	2.59	7.27	3.15	7.92	7.51	12.92
Three leading causes of death (i.e. malignant neoplasms, heart diseases and cerebrovascular diseases)	56.00	53.57	56.21	52.94	53.63	51.66	44.89	45.76

## 2. Potential years of life lost

Assuming that a certain cause of death is eliminated, a person who should have died of the cause would die of another cause afterwards. As a result, one's life span would be extended. This extension, which is called the potential years of life lost of the cause, can be regarded as one's life lost by that cause of death, and it enable you to estimate the effect of that cause to one's life expectancy.

In 2006, the potential years of life lost by malignant neoplasms is the longest at age 0, followed by heart diseases, cerebrovascular diseases, and pneumonia for both sexes.

Potential years of life lost by the three leading causes of death are 8.31 years for male and 7.20 years for female at age 0, 6.67 years for male and 5.91 years for female at age 65, 5.11 years for male and 5.00 years for female at age 75, 2.31 years for male and 2.74 years for female at age 90.

**Table 8. Potential years of life lost**

Cause of death	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	4.02	3.01	3.09	2.03	2.07	1.41	0.58	0.45
Heart diseases	1.57	1.66	1.21	1.56	1.03	1.47	0.68	1.01
Cerebrovascular diseases	1.09	1.19	0.90	1.09	0.79	1.01	0.46	0.64
Pneumonia	0.92	0.84	0.97	0.85	1.00	0.85	0.86	0.72
Accidents	0.61	0.35	0.24	0.21	0.19	0.17	0.09	0.08
Traffic accidents	0.23	0.09	0.04	0.04	0.02	0.02	0.00	0.00
Suicide	0.76	0.35	0.09	0.06	0.04	0.03	0.01	0.01
Renal failure	0.15	0.18	0.14	0.18	0.13	0.17	0.10	0.12
Diseases of liver	0.25	0.12	0.10	0.08	0.05	0.06	0.01	0.02
Diabetes mellitus	0.13	0.12	0.09	0.10	0.06	0.08	0.02	0.03
Hypertensive diseases	0.03	0.06	0.03	0.06	0.03	0.06	0.03	0.05
Tuberculosis	0.03	0.01	0.02	0.01	0.02	0.01	0.01	0.01
Three leading causes of death (i.e. malignant neoplasms, heart diseases and cerebrovascular diseases)	8.31	7.20	6.67	5.91	5.11	5.00	2.31	2.74

**Table A.Abridged life tables for Japan 2006**

**Male**

age $x$	death rate $nq_x$	number of survivors $l_x$	number of deaths $nd_x$	stationary population		life expectancy $e_x^\circ$
				$nL_x$	$T_x$	
0 (W)	0.00101	100 000	101	1 917	7 899 801	79.00
1	0.00017	99 899	17	1 916	7 897 885	79.06
2	0.00012	99 882	12	1 915	7 895 969	79.05
3	0.00010	99 870	10	1 915	7 894 054	79.04
4	0.00030	99 860	30	8 981	7 892 139	79.03
2 (M)	0.00019	99 830	19	8 318	7 883 157	78.97
3	0.00043	99 811	43	24 947	7 874 839	78.90
6	0.00049	99 768	49	49 871	7 849 891	78.68
0 (Y)	0.00280	100 000	280	99 781	7 899 801	79.00
1	0.00041	99 720	41	99 697	7 800 021	78.22
2	0.00030	99 679	30	99 665	7 700 323	77.25
3	0.00021	99 649	21	99 638	7 600 659	76.27
4	0.00016	99 628	16	99 620	7 501 021	75.29
5	0.00014	99 612	14	99 605	7 401 401	74.30
6	0.00013	99 598	13	99 592	7 301 796	73.31
7	0.00012	99 585	12	99 580	7 202 204	72.32
8	0.00010	99 574	10	99 569	7 102 624	71.33
9	0.00009	99 564	9	99 559	7 003 056	70.34
10	0.00009	99 555	9	99 550	6 903 496	69.34
11	0.00009	99 546	9	99 542	6 803 946	68.35
12	0.00010	99 537	10	99 532	6 704 405	67.36
13	0.00013	99 527	13	99 520	6 604 873	66.36
14	0.00017	99 514	17	99 506	6 505 352	65.37
15	0.00022	99 497	22	99 487	6 405 846	64.38
16	0.00028	99 475	28	99 462	6 306 360	63.40
17	0.00036	99 447	36	99 430	6 206 898	62.41
18	0.00044	99 411	44	99 390	6 107 468	61.44
19	0.00050	99 367	50	99 342	6 008 078	60.46
20	0.00054	99 317	54	99 290	5 908 736	59.49
21	0.00057	99 263	57	99 235	5 809 446	58.53
22	0.00059	99 206	59	99 177	5 710 211	57.56
23	0.00061	99 147	60	99 117	5 611 035	56.59
24	0.00062	99 087	61	99 057	5 511 917	55.63
25	0.00062	99 026	62	98 995	5 412 860	54.66
26	0.00063	98 965	63	98 933	5 313 865	53.69
27	0.00066	98 902	65	98 870	5 214 932	52.73
28	0.00068	98 837	68	98 804	5 116 062	51.76
29	0.00071	98 769	70	98 735	5 017 258	50.80
30	0.00072	98 700	71	98 664	4 918 524	49.83
31	0.00074	98 629	73	98 593	4 819 859	48.87
32	0.00077	98 556	76	98 519	4 721 267	47.90
33	0.00081	98 480	80	98 441	4 622 748	46.94
34	0.00086	98 401	85	98 359	4 524 307	45.98
35	0.00092	98 316	90	98 271	4 425 949	45.02
36	0.00098	98 226	96	98 178	4 327 677	44.06
37	0.00106	98 130	104	98 079	4 229 499	43.10
38	0.00116	98 026	113	97 970	4 131 420	42.15
39	0.00127	97 912	124	97 851	4 033 450	41.19
40	0.00138	97 788	135	97 722	3 935 599	40.25
41	0.00149	97 653	146	97 582	3 837 878	39.30
42	0.00163	97 508	159	97 429	3 740 296	38.36
43	0.00181	97 349	176	97 262	3 642 867	37.42
44	0.00201	97 173	195	97 077	3 545 604	36.49
45	0.00223	96 977	216	96 871	3 448 527	35.56
46	0.00245	96 761	237	96 644	3 351 656	34.64
47	0.00267	96 524	257	96 397	3 255 012	33.72
48	0.00289	96 266	279	96 129	3 158 616	32.81
49	0.00315	95 988	302	95 839	3 062 487	31.91

**Male**

age $x$	death rate $nq_x$	number of survivors $l_x$	number of deaths $nd_x$	stationary population		life expectancy $e_x$
				$nL_x$	$T_x$	
50	0.00344	95 686	329	95 524	2 966 648	31.00
51	0.00376	95 357	359	95 180	2 871 125	30.11
52	0.00413	94 998	392	94 805	2 775 945	29.22
53	0.00455	94 606	430	94 394	2 681 140	28.34
54	0.00500	94 176	471	93 944	2 586 746	27.47
55	0.00551	93 705	516	93 451	2 492 802	26.60
56	0.00608	93 189	566	92 910	2 399 351	25.75
57	0.00663	92 622	614	92 319	2 306 441	24.90
58	0.00718	92 008	661	91 682	2 214 122	24.06
59	0.00780	91 347	712	90 996	2 122 440	23.23
60	0.00850	90 635	771	90 255	2 031 444	22.41
61	0.00930	89 865	836	89 452	1 941 189	21.60
62	0.01014	89 029	903	88 583	1 851 737	20.80
63	0.01098	88 126	968	87 647	1 763 154	20.01
64	0.01173	87 158	1 023	86 651	1 675 507	19.22
65	0.01254	86 135	1 080	85 600	1 588 856	18.45
66	0.01356	85 055	1 153	84 485	1 503 256	17.67
67	0.01480	83 901	1 242	83 288	1 418 771	16.91
68	0.01626	82 660	1 344	81 997	1 335 483	16.16
69	0.01792	81 316	1 457	80 597	1 253 486	15.42
70	0.01985	79 859	1 585	79 078	1 172 889	14.69
71	0.02212	78 274	1 731	77 421	1 093 811	13.97
72	0.02476	76 542	1 895	75 609	1 016 390	13.28
73	0.02770	74 647	2 068	73 628	940 781	12.60
74	0.03092	72 579	2 244	71 472	867 153	11.95
75	0.03449	70 335	2 426	69 138	795 681	11.31
76	0.03840	67 910	2 608	66 621	726 543	10.70
77	0.04262	65 302	2 783	63 925	659 922	10.11
78	0.04718	62 519	2 950	61 058	595 997	9.53
79	0.05220	59 569	3 110	58 028	534 939	8.98
80	0.05786	56 460	3 267	54 839	476 912	8.45
81	0.06401	53 193	3 405	51 501	422 073	7.93
82	0.07076	49 788	3 523	48 035	370 571	7.44
83	0.07816	46 265	3 616	44 464	322 536	6.97
84	0.08658	42 649	3 692	40 808	278 072	6.52
85	0.09626	38 956	3 750	37 085	237 264	6.09
86	0.10701	35 206	3 768	33 322	200 179	5.69
87	0.11880	31 439	3 735	29 566	166 857	5.31
88	0.13101	27 704	3 629	25 878	137 291	4.96
89	0.14386	24 075	3 463	22 327	111 414	4.63
90	0.15738	20 611	3 244	18 969	89 087	4.32
91	0.17158	17 367	2 980	15 854	70 118	4.04
92	0.18648	14 387	2 683	13 020	54 264	3.77
93	0.20210	11 704	2 366	10 495	41 244	3.52
94	0.21845	9 339	2 040	8 292	30 749	3.29
95	0.23555	7 299	1 719	6 413	22 457	3.08
96	0.25339	5 580	1 414	4 848	16 044	2.88
97	0.27198	4 166	1 133	3 577	11 196	2.69
98	0.29133	3 033	884	2 572	7 619	2.51
99	0.31143	2 149	669	1 798	5 048	2.35
100	0.33227	1 480	492	1 221	3 249	2.20
101	0.35382	988	350	803	2 029	2.05
102	0.37607	639	240	511	1 226	1.92
103	0.39899	398	159	313	715	1.80
104	0.42254	239	101	185	402	1.68
105-	1.00000	138	138	217	217	1.57

**Table A.Abridged life tables for Japan 2006**

**Female**

age <i>x</i>	death rate <i>nq<sub>x</sub></i>	number of survivors <i>l<sub>x</sub></i>	number of deaths <i>nd<sub>x</sub></i>	stationary population		life expectancy <i>e<sub>x</sub></i>
				<i>nL<sub>x</sub></i>	<i>T<sub>x</sub></i>	
0 (W)	0.00091	100 000	91	1 917	8 580 687	85.81
1	0.00013	99 909	13	1 916	8 578 770	85.87
2	0.00011	99 895	11	1 916	8 576 854	85.86
3	0.00009	99 884	9	1 915	8 574 938	85.85
4	0.00025	99 875	25	8 983	8 573 023	85.84
2 (M)	0.00019	99 850	19	8 320	8 564 040	85.77
3	0.00040	99 830	39	24 952	8 555 720	85.70
6	0.00039	99 791	39	49 885	8 530 768	85.49
0 (Y)	0.00248	100 000	248	99 804	8 580 687	85.81
1	0.00036	99 752	36	99 733	8 480 883	85.02
2	0.00025	99 716	25	99 703	8 381 150	84.05
3	0.00017	99 690	17	99 681	8 281 447	83.07
4	0.00013	99 673	13	99 667	8 181 765	82.09
5	0.00011	99 661	10	99 655	8 082 098	81.10
6	0.00010	99 650	10	99 645	7 982 443	80.10
7	0.00009	99 641	9	99 636	7 882 797	79.11
8	0.00008	99 632	8	99 628	7 783 161	78.12
9	0.00007	99 624	7	99 620	7 683 533	77.13
10	0.00007	99 616	7	99 613	7 583 913	76.13
11	0.00007	99 609	7	99 606	7 484 300	75.14
12	0.00007	99 603	7	99 599	7 384 694	74.14
13	0.00008	99 596	8	99 592	7 285 095	73.15
14	0.00010	99 588	10	99 583	7 185 503	72.15
15	0.00012	99 578	12	99 573	7 085 919	71.16
16	0.00014	99 567	14	99 560	6 986 347	70.17
17	0.00018	99 553	18	99 544	6 886 787	69.18
18	0.00021	99 535	21	99 525	6 787 242	68.19
19	0.00025	99 514	25	99 502	6 687 718	67.20
20	0.00027	99 489	27	99 476	6 588 216	66.22
21	0.00028	99 462	28	99 449	6 488 740	65.24
22	0.00029	99 435	28	99 421	6 389 291	64.26
23	0.00030	99 406	29	99 392	6 289 871	63.27
24	0.00031	99 377	31	99 361	6 190 479	62.29
25	0.00032	99 346	32	99 330	6 091 118	61.31
26	0.00033	99 314	33	99 298	5 991 788	60.33
27	0.00034	99 281	34	99 265	5 892 490	59.35
28	0.00035	99 248	34	99 231	5 793 226	58.37
29	0.00035	99 213	35	99 196	5 693 995	57.39
30	0.00036	99 178	36	99 160	5 594 799	56.41
31	0.00037	99 143	37	99 124	5 495 639	55.43
32	0.00039	99 106	39	99 086	5 396 514	54.45
33	0.00043	99 067	42	99 046	5 297 428	53.47
34	0.00046	99 024	46	99 002	5 198 382	52.50
35	0.00050	98 978	50	98 954	5 099 380	51.52
36	0.00054	98 929	53	98 902	5 000 427	50.55
37	0.00058	98 875	57	98 847	4 901 524	49.57
38	0.00063	98 818	62	98 788	4 802 677	48.60
39	0.00068	98 756	67	98 723	4 703 889	47.63
40	0.00074	98 689	73	98 653	4 605 167	46.66
41	0.00081	98 615	80	98 576	4 506 514	45.70
42	0.00087	98 536	86	98 493	4 407 938	44.73
43	0.00094	98 450	92	98 404	4 309 445	43.77
44	0.00101	98 357	100	98 308	4 211 041	42.81
45	0.00111	98 258	109	98 204	4 112 732	41.86
46	0.00121	98 149	119	98 090	4 014 528	40.90
47	0.00133	98 030	130	97 966	3 916 438	39.95
48	0.00146	97 900	143	97 829	3 818 473	39.00
49	0.00161	97 757	157	97 679	3 720 643	38.06

**Female**

age	death rate	number of survivors	number of deaths	stationary population		life expectancy
				$nL_x$	$T_x$	
$x$	$nq_x$	$l_x$	$nd_x$			$e_x$
50	0.00176	97 599	172	97 514	3 622 964	37.12
51	0.00192	97 427	187	97 335	3 525 450	36.19
52	0.00205	97 240	199	97 142	3 428 115	35.25
53	0.00217	97 041	211	96 937	3 330 973	34.33
54	0.00231	96 831	224	96 720	3 234 036	33.40
55	0.00249	96 607	241	96 488	3 137 316	32.48
56	0.00273	96 366	263	96 237	3 040 828	31.55
57	0.00297	96 103	285	95 963	2 944 591	30.64
58	0.00320	95 818	306	95 667	2 848 628	29.73
59	0.00340	95 512	325	95 351	2 752 962	28.82
60	0.00358	95 187	341	95 018	2 657 611	27.92
61	0.00378	94 846	358	94 669	2 562 593	27.02
62	0.00402	94 488	380	94 300	2 467 924	26.12
63	0.00433	94 108	408	93 907	2 373 624	25.22
64	0.00470	93 701	441	93 483	2 279 716	24.33
65	0.00515	93 260	480	93 024	2 186 233	23.44
66	0.00569	92 780	528	92 520	2 093 209	22.56
67	0.00630	92 252	581	91 966	2 000 689	21.69
68	0.00697	91 671	639	91 356	1 908 723	20.82
69	0.00772	91 032	703	90 686	1 817 367	19.96
70	0.00857	90 329	774	89 948	1 726 681	19.12
71	0.00954	89 555	854	89 135	1 636 733	18.28
72	0.01072	88 700	951	88 234	1 547 599	17.45
73	0.01209	87 750	1 061	87 229	1 459 365	16.63
74	0.01358	86 689	1 177	86 110	1 372 136	15.83
75	0.01520	85 512	1 300	84 873	1 286 026	15.04
76	0.01702	84 212	1 434	83 507	1 201 153	14.26
77	0.01913	82 778	1 584	82 000	1 117 646	13.50
78	0.02162	81 195	1 755	80 332	1 035 646	12.76
79	0.02459	79 439	1 954	78 480	955 314	12.03
80	0.02812	77 486	2 179	76 416	876 834	11.32
81	0.03216	75 307	2 422	74 117	800 418	10.63
82	0.03691	72 886	2 691	71 563	726 300	9.96
83	0.04227	70 195	2 967	68 735	654 737	9.33
84	0.04830	67 228	3 247	65 628	586 002	8.72
85	0.05514	63 981	3 528	62 240	520 374	8.13
86	0.06285	60 453	3 800	58 575	458 134	7.58
87	0.07148	56 653	4 050	54 648	399 559	7.05
88	0.08121	52 604	4 272	50 484	344 911	6.56
89	0.09191	48 332	4 442	46 122	294 427	6.09
90	0.10333	43 889	4 535	41 626	248 305	5.66
91	0.11542	39 354	4 542	37 080	206 679	5.25
92	0.12893	34 812	4 488	32 559	169 598	4.87
93	0.14275	30 323	4 329	28 142	137 039	4.52
94	0.15774	25 995	4 100	23 923	108 897	4.19
95	0.17379	21 894	3 805	19 965	84 974	3.88
96	0.19094	18 089	3 454	16 331	65 009	3.59
97	0.20924	14 635	3 062	13 070	48 678	3.33
98	0.22871	11 573	2 647	10 214	35 608	3.08
99	0.24940	8 926	2 226	7 778	25 394	2.84
100	0.27133	6 700	1 818	5 758	17 615	2.63
101	0.29451	4 882	1 438	4 133	11 857	2.43
102	0.31894	3 444	1 099	2 869	7 724	2.24
103	0.34462	2 346	808	1 920	4 856	2.07
104	0.37151	1 537	571	1 234	2 936	1.91
105-	1.00000	966	966	1 702	1 702	1.76