
Abridged Life Tables For Japan 2008

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Table A . Abridged Life Tables for Japan 2008

I . Life expectancies at specified ages

In the abridged life tables for 2008 life expectancy at birth for males is 79.29 years, increased by 0.10 years from that of the previous year, and that for females is 86.05 years, increased by 0.06 years.

Life expectancies for males increase at age 70 and under, and decrease at the age 80 and over .

On the other hand, life expectancies for females increase at all ages except 90 and 95, and decrease at age 90.

The difference in life expectancy at birth between males and females is 6.76 years, 0.04 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		
	2008	2007	Increase	2008	2007	Increase
0	79.29	79.19	0.10	86.05	85.99	0.06
5	74.57	74.48	0.09	81.33	81.27	0.06
10	69.61	69.52	0.09	76.36	76.30	0.06
15	64.65	64.56	0.09	71.39	71.33	0.06
20	59.75	59.66	0.09	66.45	66.39	0.06
25	54.92	54.82	0.10	61.54	61.48	0.06
30	50.09	49.99	0.10	56.64	56.57	0.07
35	45.27	45.17	0.10	51.75	51.68	0.07
40	40.49	40.40	0.09	46.89	46.82	0.07
45	35.79	35.72	0.07	42.08	42.01	0.07
50	31.21	31.15	0.06	37.34	37.27	0.07
55	26.79	26.73	0.06	32.69	32.62	0.07
60	22.58	22.54	0.04	28.12	28.06	0.06
65	18.60	18.56	0.04	23.64	23.59	0.05
70	14.84	14.80	0.04	19.29	19.25	0.04
75	11.40	11.40	0.00	15.18	15.16	0.02
80	8.49	8.50	-0.01	11.43	11.42	0.01
85	6.13	6.16	-0.03	8.21	8.20	0.01
90	4.36	4.40	-0.04	5.71	5.72	-0.01
95	3.15	3.19	-0.04	3.97	3.97	0.00
100	2.31	2.34	-0.03	2.77	2.75	0.02

Table 2. Trend 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
2007	79.19	85.99	6.80
2008	79.29	86.05	6.76

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

II. Survival situation in the life table

In the abridged life tables for 2008, the number of survivors at age 65 is 86,556 for males and 93,407 for females in a stationary population supported by 100,000 annual live births. These facts lead that the survival ratio until age 65 is 86.6% for males and 93.4% for females. In the same way, it follows that the survival ratio until age 75 is 71.2% for males and 86.0% for females, and the survival ratio until age 90 is 21.1% for males and 44.8% for females.

The number of stationary population from age 0 (total person-years from age 0) is 7,928,775 for males and 8,605,112 for females. The number of stationary population from age 65 (total person-years from age 65) is 1,610,124(20.3%) for males and 2,208,031(25.7%) for females.

The median length of life, which means the age when exactly half of the cohort remains alive, is 82.21 years for males and 88.83 years for females.

Table3. 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	18.9	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
2007	97.8	86.4	70.8	21.0	98.7	93.3	85.8	44.5
2008	97.9	86.6	71.2	21.1	98.7	93.4	86.0	44.8

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	Male		Female	
	Age40	65	Age40	65
1947
1950-1952	10.5	13.3	10.5	13.3
1955	11.5	14.7	11.5	14.7
1960	11.5	15.1	11.5	15.1
1965	12.1	16.0	12.1	16.0
1970	13.0	17.0	13.0	17.0
1975	14.7	18.5	14.7	18.5
1980	15.8	19.9	15.8	19.9
1985	16.8	21.2	16.8	21.2
1990	17.6	22.3	17.6	22.3
1995	18.0	23.2	18.0	23.2
2000	19.1	24.5	19.1	24.5
2001	19.4	24.8	19.4	24.8
2002	19.6	25.0	19.6	25.0
2003	19.6	25.1	19.6	25.1
2004	19.8	25.3	19.8	25.3
2005	19.8	25.2	19.8	25.2
2006	20.1	25.5	20.1	25.5
2007	20.2	25.6	20.2	25.6
2008	20.3	25.7	20.3	25.7

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		Female	
	Age40	65	Age40	65
1947	59.28	64.45	59.28	64.45
1950-1952	67.22	71.31	67.22	71.31
1955	69.79	74.19	69.79	74.19
1960	70.66	75.44	70.66	75.44
1965	72.00	77.04	72.00	77.04
1970	73.10	78.19	73.10	78.19
1975	75.31	80.17	75.31	80.17
1980	76.69	81.75	76.69	81.75
1985	78.06	83.38	78.06	83.38
1990	79.13	84.71	79.13	84.71
1995	79.49	85.73	79.49	85.73
2000	80.74	87.41	80.74	87.41
2001	81.08	87.72	81.08	87.72
2002	81.28	88.02	81.28	88.02
2003	81.35	88.09	81.35	88.09
2004	81.57	88.34	81.57	88.34
2005	81.56	88.34	81.56	88.34
2006	81.94	88.61	81.94	88.61
2007	82.11	88.77	82.11	88.77
2008	82.21	88.83	82.21	88.83

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.

Table6. Life expectancies at birth in some countries

(Life expectancy:years, Population:10 thousand)

Country		Period	Male	Female	Population
	Japan	2008*	79.29	86.05	12 595
AFRICA	Algeria	2000	72.5	74.2	3 348
	Egypt	2006*	69.2	73.6	7 201
	Nigeria	2000-2005	52.0	52.2	14 000
	South Africa	2004	49.9	52.9	4 739
	Tunisia	2007*	72.3	76.2	1 013
NORTH AMERICA	Canada	2005*	78.0	82.7	3 265
	Mexico	2008*	72.7	77.5	10 487
	United States	2006*	75.1	80.2	29 940
SOUTH AMERICA	Argentina	2000-2001*	70.0	77.5	3 897
	Brazil	2007*	68.8	76.4	18 677
	Chile	2005	75.5	81.5	1 643
	Peru	1995-2000	65.9	70.9	2 738
ASIA	China	2000*	69.63	73.33	131 102
	India	2001-2005*	62.3	63.9	111 773
	Indonesia	2002*	64.2	68.1	22 205
	Israel	2007*	78.8	82.5	705
	Korea, Republic of	2007*	76.1	82.7	4 830
	Malaysia	2007*	71.7	76.5	2 664
	Singapore	2007*	78.2	82.9	448
	Thailand	2002*	69.9	74.9	6 531
EUROPE	Austria	2008*	77.6	83.0	828
	Belgium	2004	76.5	82.4	1 054
	Czech Republic	2008*	73.96	80.13	1 029
	Denmark	2007-2008*	76.26	80.70	544
	Finland	2008*	76.3	83.0	527
	France	2008*	77.5	84.3	6 135
	Germany	2005-2007*	76.89	82.25	8 237
	Iceland	2008*	79.6	83.0	30
	Italy	2006*	78.44	83.98	5 894
	Netherlands	2008*	78.4	82.4	1 635
	Norway	2008*	78.31	82.95	466
	Poland	2008*	71.3	80.0	3 813
	Russian Federation	2006	60.4	73.2	14 249
	Spain	2005*	76.96	83.48	4 407
	Sweden	2008*	79.10	83.15	908
	Switzerland	2007*	79.4	84.2	748
United Kingdom	2005-2007*	77.2	81.5	6 059	
OCEANIA	Australia	2005-2007*	79.0	83.7	2 070
	New Zealand	2005-2007*	78.0	82.2	419

Reference: In Hong Kong of 2008, life expectancy at birth for males is 79.4 years, and that for female is 85.5 years. (population:686 ten thousands)

Note: Population means 2006 mid-year estimated population.

But population of Japan is Estimated Population at Oct. 1, 2008

Source: Demographic Yearbook 2006 U.N.

*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 specified ages will die of specified cause of death in the future.

As for leading causes of death in 2008, 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.

Table7. 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	29.98	20.49	29.39	18.61	25.94	16.39	14.91	9.74
Heart diseases	14.74	19.13	15.00	19.93	15.43	20.52	17.41	21.51
Cerebrovascular diseases	10.42	12.75	10.83	13.13	11.24	13.45	11.03	13.46
Pneumonia	12.50	11.74	14.06	12.43	15.85	13.13	21.00	15.33
Accidents	3.47	2.61	2.92	2.46	2.82	2.38	2.47	1.94
Traffic accidents	0.67	0.31	0.37	0.23	0.29	0.18	0.10	0.04
Suicide	2.59	1.10	0.82	0.46	0.53	0.31	0.28	0.11
Renal failure	2.00	2.41	2.21	2.54	2.42	2.63	2.98	2.67
Diseases of liver	1.34	0.83	0.93	0.75	0.64	0.65	0.40	0.32
Diabetes mellitus	1.12	1.16	1.08	1.18	0.95	1.14	0.65	0.82
Hypertensive diseases	0.46	0.88	0.49	0.93	0.53	0.98	0.77	1.25
Tuberculosis	0.26	0.13	0.28	0.14	0.31	0.14	0.31	0.09
Senility	2.57	7.85	2.97	8.40	3.58	9.11	8.62	14.61
Three leading causes of death (i.e. malignant neoplasms, heart diseases and cerebrovascular diseases)	55.14	52.36	55.22	51.67	52.61	50.35	43.35	44.70

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 enables you to estimate the effect of that cause to one's life expectancy.

In 2008, 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 8.10 years for male and 7.00 years for female at age 0, 6.51 years for male and 5.75 years for female at age 65, 4.99 years for male and 4.86 years for female at age 75, 2.24 years for male and 2.72 years for female at age 90.

Table8. Potential years of life lost

(years)

Cause of death	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	3.99	3.01	3.09	2.03	2.09	1.42	0.59	0.45
Heart diseases	1.54	1.64	1.19	1.56	1.01	1.47	0.69	1.04
Cerebrovascular diseases	1.02	1.10	0.84	1.00	0.73	0.93	0.41	0.61
Pneumonia	0.93	0.83	0.97	0.83	0.99	0.83	0.86	0.70
Accidents	0.56	0.33	0.24	0.21	0.18	0.17	0.09	0.08
Traffic accidents	0.18	0.07	0.04	0.03	0.02	0.02	0.00	0.00
Suicide	0.78	0.36	0.09	0.06	0.04	0.03	0.01	0.01
Renal failure	0.15	0.18	0.15	0.18	0.14	0.17	0.10	0.11
Diseases of liver	0.23	0.12	0.10	0.08	0.05	0.06	0.01	0.02
Diabetes mellitus	0.13	0.11	0.10	0.10	0.06	0.09	0.02	0.04
Hypertensive diseases	0.04	0.05	0.03	0.06	0.03	0.05	0.03	0.05
Tuberculosis	0.02	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)	8.10	7.00	6.51	5.75	4.99	4.86	2.24	2.72

Table A.Abridged life tables for Japan 2008

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	
0 (週)	0.00090	100 000	90	1 917	7 928 775	79.29
1	0.00016	99 910	16	1 916	7 926 859	79.34
2	0.00011	99 894	11	1 916	7 924 943	79.33
3	0.00009	99 883	9	1 915	7 923 027	79.32
4	0.00031	99 874	31	8 983	7 921 112	79.31
2 (月)	0.00020	99 843	20	8 319	7 912 129	79.25
3	0.00045	99 822	45	24 950	7 903 810	79.18
6	0.00043	99 777	43	49 876	7 878 860	78.96
0 (年)	0.00266	100 000	266	99 792	7 928 775	79.29
1	0.00038	99 734	38	99 715	7 828 984	78.50
2	0.00027	99 696	27	99 683	7 729 268	77.53
3	0.00019	99 670	19	99 660	7 629 585	76.55
4	0.00014	99 651	14	99 644	7 529 926	75.56
5	0.00012	99 637	12	99 631	7 430 282	74.57
6	0.00012	99 624	11	99 619	7 330 652	73.58
7	0.00010	99 613	10	99 608	7 231 033	72.59
8	0.00009	99 603	9	99 598	7 131 425	71.60
9	0.00008	99 594	8	99 589	7 031 827	70.61
10	0.00008	99 585	8	99 581	6 932 238	69.61
11	0.00009	99 577	9	99 573	6 832 657	68.62
12	0.00010	99 568	10	99 563	6 733 084	67.62
13	0.00012	99 558	12	99 552	6 633 521	66.63
14	0.00016	99 546	16	99 538	6 533 969	65.64
15	0.00020	99 530	20	99 520	6 434 431	64.65
16	0.00027	99 510	27	99 497	6 334 910	63.66
17	0.00034	99 483	34	99 467	6 235 413	62.68
18	0.00040	99 450	40	99 430	6 135 946	61.70
19	0.00047	99 410	46	99 387	6 036 516	60.72
20	0.00052	99 363	52	99 338	5 937 129	59.75
21	0.00056	99 312	56	99 284	5 837 791	58.78
22	0.00059	99 256	59	99 227	5 738 507	57.82
23	0.00061	99 197	60	99 167	5 639 281	56.85
24	0.00061	99 137	61	99 106	5 540 114	55.88
25	0.00062	99 076	61	99 046	5 441 007	54.92
26	0.00063	99 015	62	98 984	5 341 962	53.95
27	0.00064	98 953	64	98 922	5 242 977	52.98
28	0.00067	98 889	66	98 857	5 144 056	52.02
29	0.00069	98 824	68	98 790	5 045 199	51.05
30	0.00071	98 756	70	98 721	4 946 409	50.09
31	0.00072	98 686	71	98 650	4 847 688	49.12
32	0.00075	98 614	74	98 578	4 749 038	48.16
33	0.00078	98 541	77	98 502	4 650 460	47.19
34	0.00083	98 463	82	98 423	4 551 958	46.23
35	0.00089	98 382	88	98 338	4 453 535	45.27
36	0.00096	98 294	95	98 247	4 355 197	44.31
37	0.00104	98 199	103	98 149	4 256 949	43.35
38	0.00113	98 097	111	98 042	4 158 801	42.39
39	0.00123	97 986	120	97 927	4 060 759	41.44
40	0.00134	97 866	131	97 801	3 962 832	40.49
41	0.00146	97 734	143	97 664	3 865 031	39.55
42	0.00158	97 591	155	97 515	3 767 368	38.60
43	0.00170	97 437	166	97 355	3 669 853	37.66
44	0.00184	97 271	179	97 182	3 572 498	36.73
45	0.00201	97 091	196	96 995	3 475 315	35.79
46	0.00223	96 896	216	96 790	3 378 320	34.87
47	0.00250	96 680	241	96 561	3 281 531	33.94
48	0.00278	96 438	268	96 306	3 184 970	33.03
49	0.00306	96 170	294	96 025	3 088 663	32.12

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	0.00333	95 876	319	95 719	2 992 638	31.21
51	0.00362	95 557	346	95 386	2 896 919	30.32
52	0.00395	95 211	376	95 026	2 801 533	29.42
53	0.00434	94 835	411	94 633	2 706 507	28.54
54	0.00478	94 424	451	94 202	2 611 874	27.66
55	0.00527	93 972	495	93 729	2 517 672	26.79
56	0.00578	93 477	541	93 211	2 423 943	25.93
57	0.00636	92 937	591	92 645	2 330 732	25.08
58	0.00700	92 345	646	92 027	2 238 087	24.24
59	0.00765	91 699	702	91 353	2 146 060	23.40
60	0.00833	90 997	758	90 623	2 054 707	22.58
61	0.00907	90 239	818	89 835	1 964 084	21.77
62	0.00989	89 421	885	88 984	1 874 249	20.96
63	0.01078	88 536	954	88 065	1 785 264	20.16
64	0.01172	87 582	1 026	87 075	1 697 199	19.38
65	0.01264	86 556	1 094	86 015	1 610 124	18.60
66	0.01351	85 462	1 154	84 890	1 524 109	17.83
67	0.01453	84 308	1 225	83 702	1 439 219	17.07
68	0.01582	83 083	1 314	82 434	1 355 517	16.32
69	0.01741	81 769	1 423	81 067	1 273 083	15.57
70	0.01925	80 345	1 547	79 583	1 192 016	14.84
71	0.02130	78 799	1 679	77 971	1 112 433	14.12
72	0.02359	77 120	1 819	76 223	1 034 463	13.41
73	0.02620	75 301	1 973	74 329	958 240	12.73
74	0.02935	73 329	2 152	72 268	883 911	12.05
75	0.03294	71 177	2 344	70 021	811 643	11.40
76	0.03696	68 832	2 544	67 577	741 622	10.77
77	0.04135	66 288	2 741	64 934	674 045	10.17
78	0.04608	63 547	2 928	62 099	609 111	9.59
79	0.05137	60 619	3 114	59 077	547 012	9.02
80	0.05722	57 505	3 291	55 874	487 935	8.49
81	0.06371	54 214	3 454	52 500	432 061	7.97
82	0.07072	50 760	3 590	48 975	379 561	7.48
83	0.07819	47 170	3 688	45 333	330 586	7.01
84	0.08653	43 482	3 762	41 605	285 253	6.56
85	0.09543	39 720	3 791	37 825	243 647	6.13
86	0.10549	35 929	3 790	34 033	205 822	5.73
87	0.11693	32 139	3 758	30 256	171 789	5.35
88	0.13037	28 381	3 700	26 523	141 533	4.99
89	0.14353	24 681	3 542	22 893	115 010	4.66
90	0.15716	21 138	3 322	19 457	92 117	4.36
91	0.17126	17 816	3 051	16 266	72 660	4.08
92	0.18586	14 765	2 744	13 366	56 394	3.82
93	0.20094	12 021	2 415	10 785	43 028	3.58
94	0.21650	9 605	2 080	8 538	32 242	3.36
95	0.23256	7 526	1 750	6 624	23 705	3.15
96	0.24910	5 776	1 439	5 031	17 081	2.96
97	0.26612	4 337	1 154	3 737	12 049	2.78
98	0.28362	3 183	903	2 712	8 312	2.61
99	0.30158	2 280	688	1 920	5 600	2.46
100	0.32000	1 592	510	1 324	3 680	2.31
101	0.33886	1 083	367	889	2 356	2.18
102	0.35814	716	256	580	1 467	2.05
103	0.37782	460	174	367	887	1.93
104	0.39789	286	114	225	520	1.82
105 ~	1.00000	172	172	295	295	1.72

Table A.Abridged life tables for Japan 2008

Female

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	
0 (週)	0.00087	100 000	87	1 917	8 605 112	86.05
1	0.00013	99 913	13	1 916	8 603 195	86.11
2	0.00011	99 899	11	1 916	8 601 279	86.10
3	0.00006	99 888	6	1 916	8 599 363	86.09
4	0.00028	99 882	28	8 984	8 597 448	86.08
2 (月)	0.00015	99 855	15	8 320	8 588 464	86.01
3	0.00040	99 839	40	24 955	8 580 143	85.94
6	0.00046	99 799	45	49 886	8 555 188	85.72
0 (年)	0.00247	100 000	247	99 810	8 605 112	86.05
1	0.00032	99 753	32	99 735	8 505 302	85.26
2	0.00023	99 722	23	99 711	8 405 567	84.29
3	0.00016	99 699	16	99 690	8 305 856	83.31
4	0.00011	99 683	11	99 677	8 206 166	82.32
5	0.00009	99 672	9	99 667	8 106 489	81.33
6	0.00009	99 663	9	99 658	8 006 822	80.34
7	0.00008	99 654	8	99 650	7 907 164	79.35
8	0.00008	99 645	8	99 641	7 807 514	78.35
9	0.00007	99 637	7	99 634	7 707 872	77.36
10	0.00007	99 630	7	99 627	7 608 239	76.36
11	0.00006	99 623	6	99 620	7 508 612	75.37
12	0.00006	99 618	6	99 615	7 408 992	74.37
13	0.00007	99 612	7	99 609	7 309 377	73.38
14	0.00009	99 605	9	99 601	7 209 768	72.38
15	0.00012	99 596	12	99 591	7 110 167	71.39
16	0.00015	99 584	15	99 577	7 010 576	70.40
17	0.00018	99 569	18	99 561	6 910 999	69.41
18	0.00021	99 551	21	99 541	6 811 439	68.42
19	0.00024	99 530	24	99 518	6 711 898	67.44
20	0.00026	99 506	26	99 494	6 612 379	66.45
21	0.00027	99 481	27	99 467	6 512 886	65.47
22	0.00028	99 454	28	99 440	6 413 418	64.49
23	0.00029	99 426	29	99 412	6 313 978	63.50
24	0.00030	99 397	30	99 382	6 214 566	62.52
25	0.00031	99 367	31	99 352	6 115 184	61.54
26	0.00031	99 337	31	99 321	6 015 832	60.56
27	0.00031	99 306	31	99 290	5 916 510	59.58
28	0.00033	99 274	32	99 258	5 817 220	58.60
29	0.00035	99 242	34	99 225	5 717 962	57.62
30	0.00037	99 208	37	99 189	5 618 737	56.64
31	0.00040	99 171	39	99 151	5 519 547	55.66
32	0.00042	99 131	41	99 111	5 420 396	54.68
33	0.00043	99 090	42	99 069	5 321 285	53.70
34	0.00045	99 047	45	99 025	5 222 217	52.72
35	0.00048	99 003	48	98 979	5 123 191	51.75
36	0.00053	98 955	53	98 929	5 024 212	50.77
37	0.00059	98 902	59	98 873	4 925 283	49.80
38	0.00064	98 844	64	98 812	4 826 409	48.83
39	0.00069	98 780	68	98 746	4 727 597	47.86
40	0.00073	98 712	72	98 676	4 628 850	46.89
41	0.00079	98 640	78	98 601	4 530 174	45.93
42	0.00085	98 562	84	98 520	4 431 573	44.96
43	0.00092	98 478	91	98 433	4 333 053	44.00
44	0.00100	98 387	99	98 338	4 234 620	43.04
45	0.00109	98 288	107	98 235	4 136 282	42.08
46	0.00119	98 181	117	98 123	4 038 046	41.13
47	0.00131	98 064	129	98 000	3 939 923	40.18
48	0.00143	97 935	140	97 866	3 841 922	39.23
49	0.00156	97 795	152	97 719	3 744 057	38.28

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	0.00168	97 642	164	97 561	3 646 337	37.34
51	0.00181	97 478	176	97 391	3 548 776	36.41
52	0.00194	97 302	189	97 209	3 451 385	35.47
53	0.00209	97 113	203	97 012	3 354 176	34.54
54	0.00225	96 910	218	96 802	3 257 164	33.61
55	0.00242	96 691	234	96 576	3 160 362	32.69
56	0.00259	96 458	250	96 334	3 063 786	31.76
57	0.00280	96 208	269	96 075	2 967 452	30.84
58	0.00306	95 938	294	95 794	2 871 377	29.93
59	0.00333	95 645	319	95 487	2 775 584	29.02
60	0.00358	95 326	341	95 157	2 680 097	28.12
61	0.00381	94 985	362	94 806	2 584 939	27.21
62	0.00403	94 623	381	94 434	2 490 134	26.32
63	0.00428	94 242	403	94 042	2 395 699	25.42
64	0.00460	93 839	431	93 626	2 301 657	24.53
65	0.00498	93 407	466	93 178	2 208 031	23.64
66	0.00542	92 942	504	92 693	2 114 854	22.75
67	0.00595	92 438	550	92 167	2 022 161	21.88
68	0.00659	91 887	606	91 589	1 929 994	21.00
69	0.00734	91 281	670	90 952	1 838 404	20.14
70	0.00821	90 611	744	90 246	1 747 452	19.29
71	0.00922	89 867	829	89 460	1 657 207	18.44
72	0.01036	89 039	922	88 586	1 567 746	17.61
73	0.01161	88 116	1 023	87 614	1 479 161	16.79
74	0.01300	87 094	1 133	86 537	1 391 547	15.98
75	0.01456	85 961	1 252	85 346	1 305 010	15.18
76	0.01641	84 709	1 390	84 026	1 219 665	14.40
77	0.01858	83 319	1 548	82 559	1 135 638	13.63
78	0.02108	81 771	1 724	80 925	1 053 079	12.88
79	0.02397	80 048	1 919	79 105	972 154	12.14
80	0.02724	78 129	2 128	77 083	893 049	11.43
81	0.03103	76 000	2 359	74 841	815 966	10.74
82	0.03558	73 642	2 620	72 354	741 125	10.06
83	0.04088	71 021	2 904	69 594	668 770	9.42
84	0.04712	68 118	3 210	66 539	599 176	8.80
85	0.05405	64 908	3 508	63 178	532 638	8.21
86	0.06168	61 400	3 787	59 529	469 459	7.65
87	0.07024	57 613	4 047	55 611	409 930	7.12
88	0.07997	53 567	4 284	51 443	354 319	6.61
89	0.09082	49 283	4 476	47 059	302 877	6.15
90	0.10278	44 807	4 605	42 512	255 818	5.71
91	0.11551	40 202	4 644	37 879	213 306	5.31
92	0.12859	35 558	4 572	33 262	175 427	4.93
93	0.14236	30 986	4 411	28 763	142 165	4.59
94	0.15698	26 575	4 172	24 466	113 402	4.27
95	0.17234	22 403	3 861	20 444	88 936	3.97
96	0.18848	18 542	3 495	16 762	68 492	3.69
97	0.20540	15 047	3 091	13 467	51 730	3.44
98	0.22312	11 956	2 668	10 587	38 263	3.20
99	0.24165	9 289	2 245	8 132	27 676	2.98
100	0.26099	7 044	1 838	6 092	19 544	2.77
101	0.28115	5 206	1 464	4 444	13 452	2.58
102	0.30211	3 742	1 131	3 151	9 008	2.41
103	0.32387	2 612	846	2 167	5 857	2.24
104	0.34641	1 766	612	1 442	3 690	2.09
105 ~	1.00000	1 154	1 154	2 248	2 248	1.95