
Abridged Life Tables for Japan 2015

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Table A. Abridged Life Tables for Japan, 2015

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I . Life expectancies at specified ages

In the abridged life tables 2015, life expectancy at birth was 80.79 years for males, increasing by 0.29 from 80.50 in 2014, and 87.05 for females, increasing by 0.22 from 86.83.

The difference in life expectancy at birth between males and females was 6.26 years, decreasing by 0.07 years from 2014 to 2015.

Life expectancies at specified ages increased for both males and females from 2014 to 2015.

Table 1. Life expectancies at specified ages

Age	(years)					
	Male			Female		
	2015	2014	Increase	2015	2014	Increase
0	80.79	80.50	0.29	87.05	86.83	0.22
5	76.02	75.74	0.28	82.27	82.07	0.20
10	71.05	70.77	0.28	77.30	77.09	0.21
15	66.08	65.81	0.27	72.32	72.12	0.20
20	61.17	60.90	0.27	67.37	67.16	0.21
25	56.31	56.05	0.26	62.43	62.23	0.20
30	51.46	51.21	0.25	57.51	57.32	0.19
35	46.62	46.38	0.24	52.61	52.42	0.19
40	41.80	41.57	0.23	47.73	47.55	0.18
45	37.05	36.82	0.23	42.90	42.72	0.18
50	32.39	32.18	0.21	38.13	37.96	0.17
55	27.89	27.68	0.21	33.45	33.28	0.17
60	23.55	23.36	0.19	28.83	28.68	0.15
65	19.46	19.29	0.17	24.31	24.18	0.13
70	15.64	15.49	0.15	19.92	19.81	0.11
75	12.09	11.94	0.15	15.71	15.60	0.11
80	8.89	8.79	0.10	11.79	11.71	0.08
85	6.31	6.24	0.07	8.40	8.35	0.05
90	4.38	4.35	0.03	5.70	5.66	0.04

Table 2. Trend of life expectancies at birth

Year	(years)		
	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
2005	78.56	85.52	6.96
2010	79.55	86.30	6.75
2011	79.44	85.90	6.46
2012	79.94	86.41	6.47
2013	80.21	86.61	6.40
2014	80.50	86.83	6.33
2015	80.79	87.05	6.26

Notes: 1. Data of 1947-2010 were based on complete life tables.

2. Before 1970, data of Okinawa prefecture were not included.

II. Survivorship in the life tables

In the abridged life tables 2015, the number of survivors at age 65 was 88,784 for males per 100,000 hypothetical cohort and 94,239 for females. This means that the survival rate at age 65 was 88.8% for males and 94.2% for females. In the same way, it followed that the survival rate at age 75 was 74.6% for males and 87.7% for females, and the survival rate at age 90 was 25.0% for males and 49.1% for females.

The median length of life, which means the age when exactly half of the cohort remains alive, was 83.76 years for males and 89.79 years for females, which was 2.97 years longer than the life expectancy for males and 2.74 years for females.

Table 3. Trend of survival rate at specified ages

(%)

Year	Male					Female				
	Age 40	65	75	90	95	Age 40	65	75	90	95
1947	68.0	39.8	18.5	0.9	0.1	70.9	49.1	29.0	2.0	0.2
1950-1952	81.8	55.1	29.4	2.0	0.3	83.2	62.8	40.5	4.0	0.6
1955	87.0	61.8	34.6	2.7	0.5	89.0	70.6	47.6	6.2	1.3
1960	89.7	64.8	36.1	2.3	0.4	92.2	75.2	51.5	6.0	1.2
1965	92.6	69.1	39.9	2.3	0.3	95.0	80.0	57.1	6.5	1.2
1970	93.7	72.1	43.5	3.5	0.6	96.1	82.6	61.2	8.6	1.9
1975	95.1	76.8	51.0	5.4	1.1	96.9	86.1	67.8	12.0	2.9
1980	96.1	79.4	55.7	7.1	1.5	97.6	88.5	72.7	16.0	4.2
1985	96.7	81.1	60.2	9.4	2.2	98.0	90.1	76.9	21.2	6.4
1990	97.1	82.6	63.0	11.6	3.0	98.3	91.3	79.8	26.3	9.0
1995	97.2	83.3	63.8	12.8	3.4	98.4	91.6	81.2	30.9	11.9
2000	97.5	84.7	66.7	17.3	5.7	98.6	92.6	83.7	38.8	17.7
2005	97.7	85.7	69.3	19.3	6.5	98.7	93.1	85.1	42.7	20.8
2010	97.9	87.0	72.2	21.5	7.3	98.8	93.6	86.5	46.2	22.8
2011	97.8	86.9	71.9	21.3	7.2	98.6	93.1	85.9	45.4	22.1
2012	98.1	87.8	73.1	22.2	7.5	98.8	93.8	86.9	46.5	22.7
2013	98.1	88.0	73.6	23.1	8.1	98.9	93.9	87.1	47.2	23.4
2014	98.1	88.4	74.1	24.2	8.7	98.9	94.0	87.3	48.3	24.4
2015	98.2	88.8	74.6	25.0	9.0	99.0	94.2	87.7	49.1	24.9

Notes: 1. Data of 1947-2010 were based on complete life tables.

2. Before 1970, data of Okinawa prefecture were not included.

Table 4. Trend of the median length of life and life expectancy at birth

(years)

Year	Male			Female		
	median length of life	life expectancy at birth	difference	median length of life	life expectancy at birth	difference
1947	59.28	50.06	9.22	64.45	53.96	10.49
1950-1952	67.22	59.57	7.65	71.31	62.97	8.34
1955	69.79	63.60	6.19	74.19	67.75	6.44
1960	70.66	65.32	5.34	75.44	70.19	5.25
1965	72.00	67.74	4.26	77.04	72.92	4.12
1970	73.10	69.31	3.79	78.19	74.66	3.53
1975	75.31	71.73	3.58	80.17	76.89	3.28
1980	76.69	73.35	3.34	81.75	78.76	2.99
1985	78.06	74.78	3.28	83.38	80.48	2.90
1990	79.13	75.92	3.21	84.71	81.90	2.81
1995	79.49	76.38	3.11	85.73	82.85	2.88
2000	80.74	77.72	3.02	87.41	84.60	2.81
2005	81.56	78.56	3.00	88.34	85.52	2.82
2010	82.60	79.55	3.05	89.17	86.30	2.87
2011	82.55	79.44	3.11	88.98	85.90	3.08
2012	82.95	79.94	3.01	89.25	86.41	2.84
2013	83.19	80.21	2.98	89.40	86.61	2.79
2014	83.49	80.50	2.99	89.63	86.83	2.80
2015	83.76	80.79	2.97	89.79	87.05	2.74

Notes: 1. Data of 1947-2010 were based on complete life tables.

2. Before 1970, data of Okinawa prefecture were not included.

III. Life expectancies at birth in some countries

In general, it is rather difficult to compare life expectancies accurately among different countries. One of the reasons is 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 5. Life expectancies at birth in some countries

(Life expectancy : years, Population : 10 thousands)

Country	Period	Male	Female	Population	
Japan	2015*	80.79	87.05	12 536	
AFRICA	Algeria	2014	76.6	77.8	3 911
	Egypt	2015*	70.1	72.9	8 681
	South Africa	2009	53.5	57.2	5 400
	Tunisia	2012*	71.6	76.6	1 089
NORTH AMERICA	Canada	2009 – 2011*	79.33	83.60	3 554
	Costa Rica	2014	77.23	82.26	477
	Cuba	2011 – 2013	76.50	80.45	1 122
	Mexico	2014	72.05	77.55	11 971
	United States	2013*	76.4	81.2	31 613
SOUTH AMERICA	Argentina	2008 – 2010	72.08	78.81	4 267
	Brazil	2014*	71.6	78.8	20 277
	Chile	2012	76.17	81.33	1 782
	Colombia	2010 – 2015	72.07	78.54	4 766
	Peru	2010 – 2015	71.54	76.84	3 081
ASIA	Bangladesh	2013	68.8	71.4	15 688
	China	2010*	72.38	77.37	136 427
	Cyprus	2013	80.0	84.8	86
	India	2009–2013*	65.8	69.3	121 337
	Iran	2011	71.5	74.0	7 786
	Israel	2014*	80.3	84.1	822
	Malaysia	2015*	72.5	77.4	3 026
	Pakistan	2007	63.55	67.62	18 802
	Qatar	2011	76.47	80.95	222
	Republic of Korea	2014*	79.0	85.5	5 042
	Singapore	2015*	80.4	84.9	547
	Thailand	2014*	71.3	78.2	6 861
	Turkey	2013	73.7	79.4	7 690
	EUROPE	Austria	2014*	78.91	83.74
Belgium		2014*	78.6	83.5	1 120
Czech Republic		2015*	75.82	81.45	1 051
Denmark		2014 – 2015*	78.6	82.5	564
Finland		2015*	78.5	84.1	545
France		2015*	78.9	85.0	6 406
Germany		2012 – 2014*	78.13	83.05	8 077
Greece		2012	77.92	82.97	1 090
Iceland		2015*	81.0	83.6	33
Italy		2014*	80.28	84.99	6 078
Netherlands		2015*	79.7	83.0	1 683
Norway		2015*	80.36	84.15	511
Poland		2015*	73.6	81.6	3 802
Russian Federation		2014*	65.29	76.47	14 351
Spain		2014*	80.08	85.58	4 651
Sweden		2015*	80.31	84.01	965
Switzerland		2014*	81.0	85.2	814
Ukraine		2013	66.34	76.22	4 299
United Kingdom		2012 – 2014*	79.07	82.81	6 431
OCEANIA		Australia	2012 – 2014*	80.3	84.4
	New Zealand	2013 – 2015*	79.73	83.27	451

Reference: *In Hong Kong of 2015, life expectancy at birth for males was 81.24 years and that for females was 87.32 years.
(Population: 724 ten thousands)

Note: Population in this table means mid-year estimated population in 2014 (in cases of Tunisia, United States and Russian Federation 2013, India 2012).

On the other hand, population of Japan was estimated population at Oct.1, 2015.

Source: Demographic Yearbook 2014 U.N.

*Data offered from the government concerned.

IV. Analysis by cause of death

1. Mortality probability by cause of death

Mortality probability by cause of death means the probability that a person of a given age will die from a specific cause of death in the future according to the life tables.

As for leading causes of death in 2015, the mortality probability by malignant neoplasms was the highest for both males and females at age 0, followed by heart diseases, pneumonia and cerebrovascular diseases. Comparing data between age 0 and 65, the mortality probability was lower at age 65 than at age 0 for malignant neoplasms. And for the other three leading causes it was higher at age 65. This trend was more likely observed at age 75. On the other hand, for cerebrovascular diseases, the mortality probability was lower at age 90 than at age 75 for both males and females.

The total of the mortality probabilities by malignant neoplasms, heart diseases and cerebrovascular diseases was over 50 percent at age 0 and 65 for male, however under 50 percent at all the ages for females.

Table 6. Mortality probability by causes of death, 2015

Cause of death	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	29.34	20.21	28.89	18.41	25.58	16.18	15.39	9.64
Heart diseases	14.20	17.28	14.32	17.91	14.69	18.39	16.14	19.19
Cerebrovascular diseases	8.06	9.43	8.17	9.63	8.35	9.81	7.96	9.66
Pneumonia	11.36	9.57	12.48	10.04	13.82	10.51	17.15	11.60
Accidents	3.18	2.39	2.81	2.30	2.78	2.25	2.43	1.78
Traffic accidents(regrouped)	0.49	0.22	0.27	0.17	0.22	0.14	0.09	0.03
Suicide	2.00	0.87	0.68	0.36	0.46	0.24	0.22	0.08
Chronic obstructive pulmonary disease	2.02	0.49	2.24	0.51	2.42	0.52	2.23	0.46
Renal failure	1.97	2.05	2.13	2.14	2.29	2.20	2.68	2.13
Aortic aneurysm and dissection	1.22	1.20	1.20	1.23	1.17	1.19	0.90	0.85
Diseases of liver	1.22	0.74	0.86	0.66	0.63	0.59	0.29	0.29
Diabetes mellitus	0.98	0.93	0.94	0.94	0.86	0.93	0.61	0.73
Hypertensive diseases	0.43	0.76	0.45	0.81	0.47	0.85	0.63	1.06
Tuberculosis	0.20	0.12	0.21	0.13	0.23	0.14	0.27	0.12
Senility	4.89	13.46	5.51	14.28	6.49	15.32	13.21	22.44
Malignant neoplasms, heart diseases and cerebrovascular diseases (regrouped)	51.60	46.92	51.38	45.95	48.62	44.39	39.49	38.50

2. Potential years of life lost

If a certain cause of death was eliminated, a person who had died from the cause would die from another cause after he or she originally had died. As a result, life expectancy would be extended. This extended period of life time, which is called the potential years of life lost, can be regarded as one's life lost by the cause of death, and it enables us to estimate how much the cause affects life expectancy.

In 2015, the potential years of life lost by malignant neoplasms were the longest at age 0 for both males and females, followed by heart diseases, pneumonia and cerebrovascular diseases for males, and, heart diseases, cerebrovascular diseases and pneumonia for females. The order was also the same at age 65. In the same way, the order of the four causes at age 75 was malignant neoplasms, heart diseases, pneumonia and cerebrovascular diseases for males, and malignant neoplasms, heart diseases, then cerebrovascular diseases and pneumonia at the same year for females. However, some causes changed ranks at age 90: pneumonia, heart diseases, malignant neoplasms and cerebrovascular diseases for males, and heart diseases, pneumonia, malignant neoplasms and cerebrovascular diseases for females.

Potential years of life lost by malignant neoplasms, heart diseases and cerebrovascular diseases was 7.16 years for males and 5.88 years for females at age 0, 5.79 years for males and 4.72 years for females at age 65, 4.35 years for males and 3.89 years for females at age 75, 1.89 years for males and 2.03 years for females at age 90.

Table 7. Potential years of life lost, 2015

Cause of death	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	3.78	2.92	3.02	2.00	2.03	1.38	0.60	0.43
Heart diseases	1.44	1.37	1.11	1.30	0.94	1.22	0.61	0.85
Cerebrovascular diseases	0.79	0.77	0.63	0.69	0.53	0.63	0.29	0.40
Pneumonia	0.82	0.64	0.84	0.64	0.83	0.63	0.66	0.48
Accidents	0.46	0.28	0.22	0.19	0.18	0.16	0.08	0.07
Traffic accidents(regrouped)	0.13	0.05	0.03	0.02	0.02	0.01	0.00	0.00
Suicide	0.63	0.29	0.08	0.05	0.03	0.02	0.01	0.00
Chronic obstructive pulmonary disease	0.14	0.04	0.15	0.04	0.15	0.03	0.08	0.02
Renal failure	0.14	0.15	0.14	0.14	0.13	0.14	0.09	0.09
Aortic aneurysm and dissection	0.13	0.11	0.10	0.10	0.07	0.09	0.03	0.04
Diseases of liver	0.21	0.11	0.09	0.07	0.05	0.05	0.01	0.01
Diabetes mellitus	0.11	0.08	0.08	0.08	0.06	0.06	0.02	0.03
Hypertensive diseases	0.03	0.04	0.03	0.04	0.03	0.04	0.02	0.04
Tuberculosis	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
Malignant neoplasms, heart diseases and cerebrovascular diseases	7.16	5.88	5.79	4.72	4.35	3.89	1.89	2.03

Table A. Abridged Life Tables for Japan, 2015

Male

age x	probability of dying nq_x	number of survivors l_x	number of deaths nd_x	stationary population		life expectancy ${}^o e_x$
				number of person-years nL_x	total person-years T_x	
0 (W)	0.00069	100 000	69	1 917	8 078 942	80.79
1	0.00011	99 931	11	1 916	8 077 025	80.83
2	0.00007	99 920	7	1 916	8 075 109	80.82
3	0.00006	99 913	6	1 916	8 073 193	80.80
4	0.00021	99 907	21	8 986	8 071 277	80.79
2 (M)	0.00014	99 885	14	8 323	8 062 291	80.72
3	0.00038	99 871	38	24 963	8 053 968	80.64
6	0.00034	99 833	34	49 905	8 029 005	80.42
0 (Y)	0.00201	100 000	201	99 843	8 078 942	80.79
1	0.00032	99 799	32	99 783	7 979 099	79.95
2	0.00023	99 766	23	99 755	7 879 316	78.98
3	0.00016	99 743	15	99 735	7 779 561	78.00
4	0.00011	99 728	11	99 722	7 679 826	77.01
5	0.00010	99 717	10	99 712	7 580 104	76.02
6	0.00010	99 707	10	99 702	7 480 392	75.02
7	0.00010	99 697	10	99 692	7 380 690	74.03
8	0.00009	99 687	9	99 683	7 280 998	73.04
9	0.00008	99 679	8	99 675	7 181 315	72.04
10	0.00007	99 671	7	99 667	7 081 641	71.05
11	0.00007	99 664	7	99 660	6 981 973	70.06
12	0.00008	99 656	8	99 652	6 882 313	69.06
13	0.00011	99 648	11	99 643	6 782 661	68.07
14	0.00014	99 637	14	99 631	6 683 018	67.07
15	0.00017	99 624	17	99 616	6 583 387	66.08
16	0.00022	99 607	22	99 596	6 483 771	65.09
17	0.00027	99 585	27	99 572	6 384 175	64.11
18	0.00033	99 558	33	99 542	6 284 603	63.12
19	0.00039	99 525	39	99 507	6 185 061	62.15
20	0.00044	99 487	44	99 465	6 085 554	61.17
21	0.00048	99 443	47	99 419	5 986 089	60.20
22	0.00050	99 395	50	99 371	5 886 670	59.22
23	0.00052	99 346	52	99 320	5 787 299	58.25
24	0.00054	99 294	53	99 268	5 687 979	57.28
25	0.00054	99 241	54	99 214	5 588 712	56.31
26	0.00054	99 187	54	99 160	5 489 498	55.34
27	0.00054	99 133	54	99 106	5 390 338	54.37
28	0.00055	99 079	54	99 052	5 291 232	53.40
29	0.00056	99 025	56	98 997	5 192 179	52.43
30	0.00058	98 969	58	98 941	5 093 182	51.46
31	0.00060	98 912	59	98 882	4 994 242	50.49
32	0.00062	98 852	62	98 822	4 895 359	49.52
33	0.00066	98 791	65	98 758	4 796 538	48.55
34	0.00071	98 726	70	98 691	4 697 779	47.58
35	0.00074	98 656	73	98 619	4 599 088	46.62
36	0.00077	98 582	76	98 545	4 500 469	45.65
37	0.00080	98 507	79	98 468	4 401 924	44.69
38	0.00086	98 428	85	98 386	4 303 456	43.72
39	0.00095	98 343	93	98 297	4 205 070	42.76
40	0.00105	98 250	103	98 199	4 106 773	41.80
41	0.00116	98 146	113	98 090	4 008 574	40.84
42	0.00125	98 033	122	97 972	3 910 483	39.89
43	0.00134	97 911	131	97 846	3 812 511	38.94
44	0.00148	97 779	145	97 708	3 714 665	37.99
45	0.00163	97 634	159	97 556	3 616 957	37.05
46	0.00180	97 475	176	97 389	3 519 401	36.11
47	0.00200	97 299	195	97 204	3 422 013	35.17
48	0.00222	97 105	215	96 999	3 324 809	34.24
49	0.00245	96 889	237	96 773	3 227 810	33.31

Male

age x	probability of dying nq_x	number of survivors l_x	number of deaths nd_x	stationary population		life expectancy ${}^o e_x$
				number of person-years nL_x	total person-years T_x	
50	0.00268	96 652	259	96 525	3 131 038	32.39
51	0.00295	96 393	285	96 253	3 034 513	31.48
52	0.00324	96 109	311	95 955	2 938 260	30.57
53	0.00356	95 797	341	95 629	2 842 305	29.67
54	0.00392	95 457	374	95 272	2 746 675	28.77
55	0.00433	95 082	412	94 880	2 651 403	27.89
56	0.00477	94 670	451	94 448	2 556 523	27.00
57	0.00520	94 219	490	93 977	2 462 075	26.13
58	0.00564	93 729	528	93 468	2 368 098	25.27
59	0.00613	93 200	572	92 919	2 274 630	24.41
60	0.00675	92 629	625	92 321	2 181 712	23.55
61	0.00752	92 004	692	91 664	2 089 391	22.71
62	0.00840	91 312	767	90 934	1 997 727	21.88
63	0.00930	90 544	842	90 130	1 906 793	21.06
64	0.01024	89 703	919	89 250	1 816 663	20.25
65	0.01129	88 784	1 002	88 290	1 727 413	19.46
66	0.01235	87 782	1 084	87 246	1 639 123	18.67
67	0.01345	86 698	1 166	86 122	1 551 876	17.90
68	0.01467	85 532	1 254	84 912	1 465 755	17.14
69	0.01600	84 277	1 349	83 611	1 380 843	16.38
70	0.01751	82 928	1 452	82 211	1 297 232	15.64
71	0.01917	81 476	1 562	80 705	1 215 021	14.91
72	0.02088	79 915	1 668	79 089	1 134 316	14.19
73	0.02254	78 246	1 764	77 373	1 055 227	13.49
74	0.02452	76 483	1 875	75 555	977 855	12.79
75	0.02701	74 607	2 015	73 612	902 299	12.09
76	0.03005	72 592	2 182	71 516	828 687	11.42
77	0.03373	70 410	2 375	69 240	757 171	10.75
78	0.03800	68 035	2 586	66 761	687 931	10.11
79	0.04287	65 450	2 806	64 066	621 170	9.49
80	0.04850	62 644	3 038	61 144	557 105	8.89
81	0.05503	59 606	3 280	57 985	495 960	8.32
82	0.06225	56 325	3 506	54 590	437 975	7.78
83	0.07023	52 819	3 709	50 980	383 385	7.26
84	0.07915	49 110	3 887	47 179	332 405	6.77
85	0.08898	45 223	4 024	43 219	285 225	6.31
86	0.09924	41 199	4 089	39 157	242 006	5.87
87	0.11017	37 110	4 088	35 063	202 849	5.47
88	0.12226	33 022	4 037	30 997	167 786	5.08
89	0.13609	28 984	3 944	27 002	136 789	4.72
90	0.15190	25 040	3 803	23 123	109 786	4.38
91	0.16740	21 236	3 555	19 435	86 664	4.08
92	0.18342	17 681	3 243	16 032	67 229	3.80
93	0.19995	14 438	2 887	12 964	51 197	3.55
94	0.21701	11 551	2 507	10 266	38 233	3.31
95	0.23457	9 045	2 122	7 952	27 967	3.09
96	0.25265	6 923	1 749	6 018	20 015	2.89
97	0.27122	5 174	1 403	4 445	13 997	2.71
98	0.29028	3 771	1 095	3 199	9 552	2.53
99	0.30982	2 676	829	2 241	6 353	2.37
100	0.32981	1 847	609	1 526	4 111	2.23
101	0.35024	1 238	434	1 008	2 585	2.09
102	0.37108	804	298	645	1 577	1.96
103	0.39230	506	198	400	932	1.84
104	0.41388	307	127	239	532	1.73
105 -	1.00000	180	180	293	293	1.63

Table A. Abridged Life Tables for Japan, 2015

Female

age x	probability of dying nq_x	number of survivors l_x	number of deaths nd_x	stationary population		life expectancy ${}^o e_x$
				number of person-years nL_x	total person-years T_x	
0 (W)	0.00063	100 000	63	1 917	8 705 113	87.05
1	0.00012	99 937	12	1 916	8 703 196	87.09
2	0.00005	99 925	5	1 916	8 701 280	87.08
3	0.00006	99 921	6	1 916	8 699 363	87.06
4	0.00019	99 914	19	8 987	8 697 447	87.05
2 (M)	0.00014	99 895	14	8 324	8 688 460	86.98
3	0.00029	99 881	29	24 966	8 680 136	86.90
6	0.00031	99 853	31	49 918	8 655 170	86.68
0 (Y)	0.00178	100 000	178	99 861	8 705 113	87.05
1	0.00031	99 822	31	99 806	8 605 252	86.21
2	0.00020	99 791	20	99 781	8 505 446	85.23
3	0.00012	99 772	12	99 765	8 405 664	84.25
4	0.00008	99 760	8	99 756	8 305 899	83.26
5	0.00008	99 752	8	99 748	8 206 143	82.27
6	0.00008	99 744	8	99 740	8 106 396	81.27
7	0.00008	99 736	8	99 732	8 006 656	80.28
8	0.00007	99 728	7	99 724	7 906 924	79.29
9	0.00007	99 720	7	99 717	7 807 200	78.29
10	0.00007	99 714	7	99 710	7 707 483	77.30
11	0.00007	99 707	7	99 704	7 607 773	76.30
12	0.00007	99 700	7	99 697	7 508 069	75.31
13	0.00007	99 693	7	99 690	7 408 373	74.31
14	0.00008	99 686	8	99 682	7 308 683	73.32
15	0.00010	99 677	10	99 673	7 209 001	72.32
16	0.00012	99 667	12	99 662	7 109 329	71.33
17	0.00013	99 656	13	99 649	7 009 667	70.34
18	0.00015	99 642	15	99 635	6 910 018	69.35
19	0.00016	99 628	16	99 620	6 810 383	68.36
20	0.00017	99 612	17	99 603	6 710 763	67.37
21	0.00018	99 595	18	99 586	6 611 160	66.38
22	0.00020	99 577	20	99 567	6 511 574	65.39
23	0.00021	99 557	21	99 546	6 412 007	64.41
24	0.00023	99 536	23	99 524	6 312 461	63.42
25	0.00024	99 513	24	99 501	6 212 937	62.43
26	0.00025	99 489	25	99 477	6 113 436	61.45
27	0.00027	99 464	27	99 451	6 013 959	60.46
28	0.00029	99 437	29	99 423	5 914 508	59.48
29	0.00030	99 408	30	99 393	5 815 086	58.50
30	0.00031	99 378	31	99 363	5 715 692	57.51
31	0.00032	99 347	32	99 331	5 616 330	56.53
32	0.00034	99 315	34	99 298	5 516 999	55.55
33	0.00037	99 281	37	99 262	5 417 701	54.57
34	0.00039	99 244	39	99 225	5 318 439	53.59
35	0.00041	99 205	41	99 185	5 219 214	52.61
36	0.00043	99 164	43	99 143	5 120 029	51.63
37	0.00046	99 121	46	99 099	5 020 887	50.65
38	0.00051	99 076	50	99 051	4 921 788	49.68
39	0.00057	99 026	56	98 998	4 822 737	48.70
40	0.00063	98 969	62	98 939	4 723 739	47.73
41	0.00069	98 907	68	98 873	4 624 800	46.76
42	0.00074	98 839	73	98 803	4 525 927	45.79
43	0.00080	98 766	79	98 727	4 427 124	44.82
44	0.00087	98 687	86	98 645	4 328 397	43.86
45	0.00095	98 601	94	98 555	4 229 752	42.90
46	0.00105	98 508	103	98 457	4 131 197	41.94
47	0.00115	98 404	113	98 349	4 032 740	40.98
48	0.00126	98 291	123	98 230	3 934 392	40.03
49	0.00136	98 168	134	98 102	3 836 162	39.08

Female

age x	probability of dying nq_x	number of survivors l_x	number of deaths nd_x	stationary population		life expectancy ${}^o e_x$
				number of person-years nL_x	total person-years T_x	
50	0.00148	98 034	145	97 962	3 738 060	38.13
51	0.00163	97 889	159	97 810	3 640 098	37.19
52	0.00178	97 730	174	97 644	3 542 287	36.25
53	0.00193	97 556	188	97 462	3 444 644	35.31
54	0.00208	97 367	202	97 267	3 347 181	34.38
55	0.00221	97 165	215	97 059	3 249 914	33.45
56	0.00233	96 950	226	96 838	3 152 856	32.52
57	0.00245	96 724	237	96 607	3 056 017	31.60
58	0.00260	96 488	251	96 364	2 959 410	30.67
59	0.00279	96 237	269	96 104	2 863 047	29.75
60	0.00305	95 968	292	95 824	2 766 942	28.83
61	0.00333	95 676	319	95 519	2 671 118	27.92
62	0.00362	95 357	346	95 186	2 575 599	27.01
63	0.00391	95 011	372	94 828	2 480 413	26.11
64	0.00424	94 640	401	94 442	2 385 585	25.21
65	0.00462	94 239	435	94 024	2 291 143	24.31
66	0.00503	93 803	472	93 571	2 197 119	23.42
67	0.00547	93 332	510	93 080	2 103 548	22.54
68	0.00596	92 822	553	92 549	2 010 468	21.66
69	0.00653	92 269	602	91 972	1 917 919	20.79
70	0.00721	91 666	661	91 341	1 825 947	19.92
71	0.00799	91 005	727	90 647	1 734 607	19.06
72	0.00885	90 278	799	89 884	1 643 960	18.21
73	0.00973	89 479	870	89 050	1 554 075	17.37
74	0.01075	88 608	952	88 140	1 465 026	16.53
75	0.01201	87 656	1 053	87 139	1 376 886	15.71
76	0.01362	86 604	1 180	86 025	1 289 747	14.89
77	0.01559	85 424	1 331	84 772	1 203 721	14.09
78	0.01787	84 092	1 503	83 356	1 118 950	13.31
79	0.02056	82 589	1 698	81 758	1 035 594	12.54
80	0.02366	80 891	1 914	79 954	953 836	11.79
81	0.02726	78 978	2 153	77 922	873 883	11.06
82	0.03149	76 825	2 419	75 638	795 960	10.36
83	0.03640	74 406	2 708	73 076	720 322	9.68
84	0.04199	71 698	3 011	70 218	647 246	9.03
85	0.04834	68 687	3 320	67 052	577 028	8.40
86	0.05551	65 366	3 628	63 577	509 976	7.80
87	0.06360	61 738	3 926	59 799	446 398	7.23
88	0.07312	57 812	4 227	55 723	386 599	6.69
89	0.08421	53 584	4 513	51 350	330 876	6.17
90	0.09666	49 072	4 743	46 717	279 526	5.70
91	0.11046	44 329	4 896	41 889	232 809	5.25
92	0.12520	39 432	4 937	36 963	190 920	4.84
93	0.14110	34 495	4 867	32 051	153 957	4.46
94	0.15790	29 628	4 678	27 269	121 906	4.11
95	0.17575	24 950	4 385	22 729	94 638	3.79
96	0.19469	20 565	4 004	18 528	71 909	3.50
97	0.21477	16 561	3 557	14 743	53 381	3.22
98	0.23599	13 004	3 069	11 428	38 638	2.97
99	0.25838	9 935	2 567	8 610	27 209	2.74
100	0.28194	7 368	2 077	6 290	18 599	2.52
101	0.30667	5 291	1 623	4 444	12 309	2.33
102	0.33256	3 668	1 220	3 027	7 866	2.14
103	0.35956	2 448	880	1 983	4 839	1.98
104	0.38764	1 568	608	1 244	2 856	1.82
105 -	1.00000	960	960	1 612	1 612	1.68