
Abridged Life Tables for Japan 2011

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Table A. Abridged Life Tables for Japan 2011

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I . Life expectancies at specific ages

In the abridged life tables 2011, life expectancy at birth was 79.44 years for males, decreasing by 0.11 from 79.55 in 2010, and 85.90 for females, decreasing by 0.40 from 86.30.

Life expectancies at specific ages decreased for both males and females from 2010 to 2011.

The difference in life expectancy at birth between males and females was 6.46 years, decreasing by 0.29 years from 2010 to 2011.

Table 1. Life expectancies at specific ages and their increments to the previous year

Age	Male			Female		
	2011	2010	Increase	2011	2010	Increase
0	79.44	79.55	△ 0.11	85.90	86.30	△ 0.40
5	74.71	74.82	△ 0.11	81.19	81.55	△ 0.36
10	69.77	69.85	△ 0.08	76.24	76.58	△ 0.34
15	64.81	64.89	△ 0.08	71.28	71.61	△ 0.33
20	59.93	59.99	△ 0.06	66.35	66.67	△ 0.32
25	55.10	55.16	△ 0.06	61.45	61.75	△ 0.30
30	50.28	50.33	△ 0.05	56.56	56.83	△ 0.27
35	45.47	45.51	△ 0.04	51.69	51.94	△ 0.25
40	40.69	40.73	△ 0.04	46.84	47.08	△ 0.24
45	35.98	36.02	△ 0.04	42.05	42.27	△ 0.22
50	31.39	31.42	△ 0.03	37.32	37.52	△ 0.20
55	26.95	26.98	△ 0.03	32.68	32.86	△ 0.18
60	22.70	22.75	△ 0.05	28.12	28.28	△ 0.16
65	18.69	18.74	△ 0.05	23.66	23.80	△ 0.14
70	14.93	14.96	△ 0.03	19.31	19.43	△ 0.12
75	11.43	11.45	△ 0.02	15.16	15.27	△ 0.11
80	8.39	8.42	△ 0.03	11.36	11.46	△ 0.10
85	5.96	6.00	△ 0.04	8.07	8.15	△ 0.08
90	4.14	4.19	△ 0.05	5.46	5.53	△ 0.07

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

Table 2. Trend of life expectancies 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
2009	79.59	86.44	6.85
2010	79.55	86.30	6.75
2011	79.44	85.90	6.46

Notes: 1. Data of 1947-2000, 2005 and 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 2011, the number of survivors at age 65 was 86,909 for males per 100,000 hypothetical cohort and 93,077 for females. This means that the survival rate at age 65 was 86.9% for males and 93.1% for females. In the same way, it followed that the survival rate at age 75 was 71.9% for males and 85.9% for females, and the survival rate at age 90 was 21.3% for males and 45.4% for females.

The stationary population from age 0, which is the total number of persons alive at any point in time above age 0 per 100,000 annual live birth, was 7,943,916 for males and 8,590,142 for females. In the same way, the stationary population from age 65 was 1,624,621 (20.5%) for males and 2,201,843 (25.6%) for females.

The median length of life, which means the age when exactly half of the cohort remains alive, was 82.55 years for males and 88.98 for females, which was 3.11 years longer than the life expectancy for males and 3.08 for females.

Table 3. Survival rate at specific ages

Table 4. Ratio of the stationary population from 65 to that from 0

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
2001	97.6	85.1	67.5	18.2	6.2	98.6	92.8	84.2	40.1	18.9
2002	97.7	85.4	68.2	18.9	6.6	98.6	92.9	84.5	41.4	20.1
2003	97.6	85.3	68.4	19.0	6.6	98.6	93.0	84.8	41.7	20.1
2004	97.7	85.7	69.1	19.8	7.0	98.7	93.0	85.0	42.8	21.1
2005	97.7	85.7	69.3	19.3	6.5	98.7	93.1	85.1	42.7	20.8
2006	97.8	86.1	70.3	20.6	7.3	98.7	93.3	85.5	43.9	21.9
2007	97.8	86.4	70.8	21.0	7.6	98.7	93.3	85.8	44.5	22.4
2008	97.9	86.6	71.2	21.1	7.5	98.7	93.4	86.0	44.8	22.4
2009	97.9	86.7	71.9	22.2	8.2	98.8	93.6	86.5	46.4	23.7
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

Notes: 1. Data of 1947-2000, 2005 and 2010 were based on complete life tables.

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

3. It is different from the actual rates of survivors because it is assumed the circumstances of death do not change from the time we made the life table.

Year	Ratio (%)	
	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
2007	20.2	25.6
2008	20.3	25.7
2009	20.6	26.0
2010	20.5	25.8
2011	20.5	25.6

Notes: 1. Data of 1947-2000, 2005 and 2010 were based on complete life tables.

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

Table 5. The median length of life

Year	Median length of life (years)	
	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
2007	82.11	88.77
2008	82.21	88.83
2009	82.55	89.20
2010	82.60	89.17
2011	82.55	88.98

Notes: 1. Data of 1947-2000, 2005 and 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 6. Life expectancies at birth in some countries

(Life expectancy : years, Population : 10 thousand)

Country	Period	Male	female	Population
Japan	2011*	79.44	85.90	12 534
AFRICA	Algeria	2008	74.9	3 598
	Egypt	2010	68.2	7 873
	South Africa	2009	53.5	4 999
	Tunisia	2010*	72.7	1 055
NORTH AMERICA	Canada	2007-2009*	78.8	3 411
	Costa Rica	2010	76.8	456
	Cuba	2005-2007	76.0	1 124
	Mexico	2010*	73.1	10 755
	United States	2010*	76.2	30 905
SOUTH AMERICA	Argentina	2006-2010	72.5	4 052
	Brazil	2010*	69.73	19 325
	Chile	2010	75.8	1 709
	Colombia	2005-2010	70.7	4 551
	Peru	2000-2005	69.0	2 946
ASIA	Bangladesh	2007	65.4	14 660
	China	2000*	69.63	133 474
	Cyprus	2006-2007	78.3	80
	India	2002-2006	62.6	118 211
	Iran	2006	71.1	7 434
	Israel	2010*	79.7	763
	Malaysia	2010*	71.9	2 825
	Pakistan	2007	63.6	16 515
	Qatar	2008	77.9	171
	Republic of Korea	2010*	77.2	4 888
	Singapore	2011*	79.6	508
	Thailand	2010*	69.6	6 731
	Turkey	2009	71.5	7 270
	EUROPE	Austria	2011*	78.11
Belgium		2009*	77.3	1 088
Czech Republic		2011*	74.69	1 052
Denmark		2010-2011*	77.30	555
Finland		2011*	77.2	534
France		2011*	78.2	6 297
Germany		2008-2010*	77.51	8 178
Greece		2009	77.7	1 128
Iceland		2011*	79.9	32
Italy		2011*	79.4	6 048
Netherlands		2011*	79.0	1 662
Norway		2011*	79.00	489
Poland		2011*	72.4	3 818
Russian Federation		2009	62.8	14 294
Spain		2010*	78.94	4 607
Sweden		2011*	79.81	938
Switzerland		2010*	80.2	783
Ukraine		2007-2008	62.5	4 596
United Kingdom		2008-2010*	78.20	6 222
OCEANIA		Australia	2008-2010*	79.5
	New Zealand	2008-2010*	78.8	437

Reference: *In Hong Kong of 2011, life expectancy at birth for males was 80.5 years and that for females was 86.7 years.
(Population: 707 ten thousands)

Note: Population in this table means mid-year estimated population in 2010 (in cases of Mexico, Bangladesh, China, Pakistan and Greece, 2009).
On the other hand, population of Japan was estimated population at Oct.1, 2011.

Source: Demographic Yearbook 2009-2010 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 2011, 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 for males at and H.C.P. for females. The mortality probability by malignant neoplasms at age 65 was lower than the probability at age 0 and the probabilities by the other three causes were higher, and this trend was stronger at age 75 for both males and females. On the other hand, the probability by cerebrovascular diseases at 90 was lower than the probability at 75 for males, while the probability for females had the opposite tendency.

The total of the mortality probabilities by malignant neoplasms, heart diseases and cerebrovascular diseases was over 50 percent at age 0, 65 and 75 for male, however under 50 percent at all the ages for females.

Compared with the previous year, each of the probabilities by malignant neoplasms, heart diseases, cerebrovascular diseases and pneumonia was lower at each of the age 0, 65, 75 and 90 for both males and females.

Table 7. Mortality probability 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	29.10	20.05	28.71	18.30	25.44	16.16	15.08	9.69
Heart diseases	14.41	18.36	14.67	19.21	15.10	19.83	17.09	20.90
Cerebrovascular diseases	9.32	11.04	9.66	11.40	9.98	11.67	9.84	11.70
Pneumonia	12.04	10.91	13.48	11.57	15.09	12.21	19.52	14.03
Accidents	4.59	3.95	3.74	3.39	3.54	3.10	2.72	2.19
Traffic accidents	0.58	0.28	0.30	0.21	0.25	0.16	0.08	0.04
Earthquake	1.13	1.36	0.73	0.90	0.56	0.69	0.21	0.28
Suicide	2.39	1.12	0.75	0.44	0.48	0.29	0.26	0.10
Renal failure	1.97	2.27	2.16	2.40	2.34	2.48	2.72	2.49
Diseases of liver	1.30	0.79	0.94	0.72	0.66	0.63	0.34	0.33
Diabetes mellitus	1.07	1.08	1.03	1.10	0.93	1.08	0.68	0.82
Hypertensive diseases	0.45	0.86	0.48	0.92	0.51	0.97	0.75	1.22
Tuberculosis	0.22	0.13	0.24	0.14	0.26	0.14	0.26	0.10
Senility	3.04	9.21	3.49	9.90	4.18	10.71	9.41	16.67
malignant neoplasms, heart diseases and cerebrovascular diseases	52.83	49.45	53.04	48.91	50.52	47.65	42.00	42.29

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 2011, the potential years of life lost by malignant neoplasms were the longest at age 0, followed by heart diseases, cerebrovascular diseases, and pneumonia for both males and females. In the same way, the order of the four causes at 65 was malignant neoplasms, heart diseases, pneumonia and cerebrovascular diseases for males, and malignant neoplasms, heart diseases, cerebrovascular diseases and pneumonia for females. The order was also the same at 75, while some causes changed ranks at 90: pneumonia, heart diseases, malignant neoplasms and cerebrovascular diseases for males, and heart diseases, pneumonia, cerebrovascular diseases and malignant neoplasms for females. Therefore, it turned out that malignant neoplasms became less effective at 90.

Potential years of life lost by malignant neoplasms, heart diseases and cerebrovascular diseases was 7.38 years for males and 6.22 for females at age 0, 5.93 for males and 5.04 for females at 65, 4.49 for males and 4.21 for females at 75, 1.93 for males and 2.22 for females at 90.

Table 8. Potential years of life lost

Cause of death	(years)							
	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	3.75	2.88	2.93	1.94	1.97	1.35	0.55	0.41
Heart diseases	1.46	1.47	1.12	1.40	0.94	1.32	0.61	0.90
Cerebrovascular diseases	0.89	0.91	0.72	0.82	0.62	0.75	0.34	0.47
Pneumonia	0.87	0.73	0.89	0.73	0.90	0.72	0.72	0.57
Accidents	0.78	0.66	0.31	0.31	0.23	0.23	0.09	0.09
Traffic accidents	0.16	0.07	0.03	0.03	0.02	0.02	0.00	0.00
Earthquake	0.26	0.34	0.07	0.11	0.04	0.06	0.01	0.01
Suicide	0.74	0.38	0.08	0.06	0.03	0.03	0.01	0.00
Renal failure	0.15	0.16	0.14	0.16	0.13	0.15	0.09	0.09
Diseases of liver	0.22	0.11	0.10	0.07	0.05	0.05	0.01	0.01
Diabetes mellitus	0.12	0.10	0.09	0.09	0.06	0.08	0.02	0.03
Hypertensive diseases	0.04	0.05	0.03	0.05	0.03	0.05	0.02	0.04
Tuberculosis	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.00
malignant neoplasms, heart diseases and cerebrovascular diseases	7.38	6.22	5.93	5.04	4.49	4.21	1.93	2.22

Table A.Abridged life tables for Japan 2011

Male

age <i>x</i>	death rate <i>nq_x</i>	number of survivors <i>l_x</i>	number of deaths <i>nd_x</i>	stationary population		life expectancy <i>e_x</i>
				<i>nL_x</i>	<i>T_x</i>	
0 (W)	0.00078	100 000	78	1 917	7 943 916	79.44
1	0.00014	99 922	14	1 916	7 941 999	79.48
2	0.00009	99 908	9	1 916	7 940 083	79.47
3	0.00007	99 899	7	1 916	7 938 167	79.46
4	0.00024	99 892	24	8 985	7 936 251	79.45
2 (M)	0.00017	99 868	17	8 322	7 927 267	79.38
3	0.00040	99 851	40	24 957	7 918 945	79.31
6	0.00044	99 810	44	49 893	7 893 988	79.09
0 (Y)	0.00234	100 000	234	99 821	7 943 916	79.44
1	0.00041	99 766	41	99 744	7 844 095	78.62
2	0.00031	99 725	31	99 710	7 744 351	77.66
3	0.00023	99 694	23	99 682	7 644 641	76.68
4	0.00019	99 671	19	99 661	7 544 959	75.70
5	0.00017	99 652	17	99 643	7 445 298	74.71
6	0.00016	99 635	16	99 627	7 345 655	73.73
7	0.00014	99 619	14	99 612	7 246 028	72.74
8	0.00013	99 605	13	99 599	7 146 416	71.75
9	0.00012	99 592	12	99 586	7 046 817	70.76
10	0.00011	99 580	11	99 575	6 947 231	69.77
11	0.00012	99 569	12	99 563	6 847 656	68.77
12	0.00013	99 557	13	99 551	6 748 093	67.78
13	0.00016	99 544	16	99 536	6 648 542	66.79
14	0.00019	99 528	19	99 519	6 549 006	65.80
15	0.00024	99 509	24	99 498	6 449 486	64.81
16	0.00031	99 485	30	99 471	6 349 989	63.83
17	0.00037	99 455	37	99 437	6 250 518	62.85
18	0.00043	99 418	43	99 397	6 151 081	61.87
19	0.00048	99 375	48	99 351	6 051 684	60.90
20	0.00053	99 327	52	99 301	5 952 333	59.93
21	0.00058	99 274	57	99 246	5 853 032	58.96
22	0.00063	99 217	63	99 186	5 753 786	57.99
23	0.00068	99 154	67	99 121	5 654 600	57.03
24	0.00069	99 087	68	99 053	5 555 479	56.07
25	0.00068	99 019	67	98 985	5 456 425	55.10
26	0.00066	98 952	65	98 919	5 357 440	54.14
27	0.00065	98 887	65	98 855	5 258 520	53.18
28	0.00067	98 822	66	98 789	5 159 666	52.21
29	0.00070	98 756	69	98 722	5 060 876	51.25
30	0.00072	98 687	71	98 652	4 962 155	50.28
31	0.00074	98 616	73	98 580	4 863 503	49.32
32	0.00076	98 543	75	98 506	4 764 923	48.35
33	0.00080	98 468	78	98 429	4 666 417	47.39
34	0.00084	98 390	83	98 349	4 567 988	46.43
35	0.00089	98 307	88	98 264	4 469 639	45.47
36	0.00094	98 220	93	98 174	4 371 375	44.51
37	0.00101	98 127	99	98 078	4 273 201	43.55
38	0.00108	98 028	106	97 976	4 175 123	42.59
39	0.00118	97 922	116	97 865	4 077 148	41.64
40	0.00130	97 806	128	97 744	3 979 283	40.69
41	0.00144	97 679	140	97 610	3 881 539	39.74
42	0.00157	97 538	153	97 463	3 783 930	38.79
43	0.00169	97 385	165	97 304	3 686 467	37.85
44	0.00183	97 220	178	97 133	3 589 163	36.92
45	0.00198	97 043	192	96 948	3 492 030	35.98
46	0.00214	96 851	208	96 748	3 395 082	35.05
47	0.00236	96 643	228	96 531	3 298 334	34.13
48	0.00261	96 415	251	96 292	3 201 803	33.21
49	0.00290	96 164	278	96 027	3 105 511	32.29

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	0.00322	95 886	309	95 734	3 009 484	31.39
51	0.00357	95 577	341	95 409	2 913 750	30.49
52	0.00390	95 235	372	95 052	2 818 341	29.59
53	0.00420	94 863	398	94 666	2 723 290	28.71
54	0.00452	94 465	427	94 254	2 628 623	27.83
55	0.00490	94 038	461	93 811	2 534 369	26.95
56	0.00539	93 577	505	93 329	2 440 558	26.08
57	0.00598	93 072	557	92 798	2 347 229	25.22
58	0.00663	92 515	613	92 214	2 254 431	24.37
59	0.00730	91 902	671	91 572	2 162 217	23.53
60	0.00803	91 231	733	90 870	2 070 645	22.70
61	0.00886	90 499	802	90 104	1 979 775	21.88
62	0.00967	89 697	867	89 269	1 889 671	21.07
63	0.01044	88 830	928	88 371	1 800 403	20.27
64	0.01129	87 902	993	87 411	1 712 032	19.48
65	0.01229	86 909	1 068	86 382	1 624 621	18.69
66	0.01345	85 841	1 155	85 271	1 538 239	17.92
67	0.01471	84 686	1 246	84 071	1 452 968	17.16
68	0.01596	83 440	1 332	82 781	1 368 897	16.41
69	0.01717	82 108	1 410	81 410	1 286 116	15.66
70	0.01857	80 699	1 498	79 957	1 204 706	14.93
71	0.02031	79 200	1 609	78 406	1 124 748	14.20
72	0.02244	77 591	1 741	76 733	1 046 343	13.49
73	0.02492	75 850	1 890	74 918	969 610	12.78
74	0.02770	73 961	2 049	72 950	894 691	12.10
75	0.03089	71 912	2 222	70 816	821 741	11.43
76	0.03460	69 690	2 411	68 501	750 925	10.78
77	0.03901	67 279	2 625	65 985	682 424	10.14
78	0.04404	64 654	2 847	63 249	616 439	9.53
79	0.04962	61 807	3 067	60 291	553 191	8.95
80	0.05570	58 740	3 272	57 120	492 899	8.39
81	0.06233	55 468	3 457	53 754	435 779	7.86
82	0.06967	52 011	3 624	50 212	382 025	7.35
83	0.07794	48 387	3 771	46 513	331 812	6.86
84	0.08722	44 616	3 891	42 679	285 299	6.39
85	0.09738	40 725	3 966	38 746	242 621	5.96
86	0.10824	36 759	3 979	34 768	203 875	5.55
87	0.12000	32 780	3 934	30 807	169 107	5.16
88	0.13319	28 847	3 842	26 915	138 299	4.79
89	0.14704	25 004	3 677	23 150	111 384	4.45
90	0.16183	21 328	3 452	19 581	88 235	4.14
91	0.17761	17 876	3 175	16 264	68 654	3.84
92	0.19442	14 701	2 858	13 244	52 390	3.56
93	0.21229	11 843	2 514	10 557	39 146	3.31
94	0.23125	9 329	2 157	8 220	28 589	3.06
95	0.25134	7 172	1 802	6 241	20 369	2.84
96	0.27256	5 369	1 463	4 610	14 127	2.63
97	0.29494	3 906	1 152	3 305	9 517	2.44
98	0.31848	2 754	877	2 294	6 212	2.26
99	0.34315	1 877	644	1 537	3 918	2.09
100	0.36895	1 233	455	991	2 381	1.93
101	0.39583	778	308	613	1 390	1.79
102	0.42374	470	199	363	776	1.65
103	0.45260	271	123	204	414	1.53
104	0.48232	148	72	109	209	1.41
105-	1.00000	77	77	100	100	1.30

Table A.Abridged life tables for Japan 2011

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 (W)	0.00079	100 000	79	1 917	8 590 142	85.90
1	0.00014	99 921	14	1 916	8 588 225	85.95
2	0.00011	99 906	11	1 916	8 586 309	85.94
3	0.00006	99 896	6	1 916	8 584 393	85.93
4	0.00025	99 890	25	8 985	8 582 477	85.92
2 (M)	0.00016	99 864	16	8 321	8 573 493	85.85
3	0.00037	99 848	37	24 957	8 565 171	85.78
6	0.00043	99 811	43	49 894	8 540 214	85.56
0 (Y)	0.00232	100 000	232	99 821	8 590 142	85.90
1	0.00039	99 768	39	99 747	8 490 320	85.10
2	0.00030	99 730	30	99 715	8 390 573	84.13
3	0.00023	99 700	23	99 688	8 290 858	83.16
4	0.00018	99 678	18	99 668	8 191 169	82.18
5	0.00015	99 659	15	99 652	8 091 501	81.19
6	0.00014	99 644	14	99 637	7 991 850	80.20
7	0.00013	99 630	12	99 624	7 892 213	79.21
8	0.00012	99 618	12	99 612	7 792 589	78.22
9	0.00011	99 606	11	99 601	7 692 977	77.23
10	0.00011	99 595	11	99 590	7 593 376	76.24
11	0.00010	99 585	10	99 579	7 493 786	75.25
12	0.00009	99 574	9	99 570	7 394 207	74.26
13	0.00009	99 565	9	99 560	7 294 637	73.27
14	0.00011	99 556	11	99 550	7 195 077	72.27
15	0.00014	99 545	14	99 538	7 095 526	71.28
16	0.00018	99 531	18	99 522	6 995 988	70.29
17	0.00022	99 513	21	99 502	6 896 466	69.30
18	0.00024	99 492	24	99 480	6 796 964	68.32
19	0.00026	99 467	26	99 455	6 697 484	67.33
20	0.00029	99 441	28	99 427	6 598 030	66.35
21	0.00031	99 413	31	99 398	6 498 602	65.37
22	0.00033	99 382	33	99 366	6 399 204	64.39
23	0.00034	99 349	34	99 333	6 299 838	63.41
24	0.00035	99 316	34	99 298	6 200 506	62.43
25	0.00035	99 281	35	99 264	6 101 207	61.45
26	0.00036	99 246	36	99 228	6 001 944	60.48
27	0.00037	99 211	37	99 192	5 902 715	59.50
28	0.00038	99 174	38	99 155	5 803 523	58.52
29	0.00040	99 136	39	99 116	5 704 368	57.54
30	0.00041	99 097	41	99 076	5 605 252	56.56
31	0.00043	99 056	42	99 035	5 506 175	55.59
32	0.00045	99 013	44	98 992	5 407 141	54.61
33	0.00047	98 969	47	98 946	5 308 149	53.63
34	0.00051	98 923	50	98 898	5 209 203	52.66
35	0.00055	98 872	54	98 845	5 110 305	51.69
36	0.00059	98 818	58	98 789	5 011 460	50.71
37	0.00063	98 759	63	98 728	4 912 671	49.74
38	0.00068	98 697	67	98 664	4 813 943	48.78
39	0.00073	98 630	72	98 594	4 715 279	47.81
40	0.00079	98 558	77	98 519	4 616 685	46.84
41	0.00084	98 480	83	98 439	4 518 166	45.88
42	0.00091	98 398	89	98 354	4 419 727	44.92
43	0.00099	98 308	97	98 260	4 321 373	43.96
44	0.00109	98 211	107	98 158	4 223 113	43.00
45	0.00120	98 104	118	98 046	4 124 954	42.05
46	0.00130	97 986	128	97 923	4 026 909	41.10
47	0.00140	97 859	137	97 791	3 928 985	40.15
48	0.00151	97 721	147	97 648	3 831 195	39.21
49	0.00161	97 574	157	97 496	3 733 546	38.26

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	
50	0.00173	97 417	169	97 333	3 636 050	37.32
51	0.00187	97 248	182	97 158	3 538 717	36.39
52	0.00202	97 066	196	96 969	3 441 559	35.46
53	0.00218	96 870	212	96 765	3 344 590	34.53
54	0.00235	96 658	227	96 546	3 247 824	33.60
55	0.00251	96 431	242	96 312	3 151 278	32.68
56	0.00267	96 190	256	96 063	3 054 967	31.76
57	0.00286	95 933	274	95 798	2 958 904	30.84
58	0.00310	95 659	296	95 513	2 863 106	29.93
59	0.00336	95 363	320	95 204	2 767 593	29.02
60	0.00363	95 042	345	94 872	2 672 389	28.12
61	0.00391	94 697	370	94 514	2 577 517	27.22
62	0.00417	94 327	393	94 132	2 483 003	26.32
63	0.00442	93 934	415	93 728	2 388 871	25.43
64	0.00472	93 519	441	93 300	2 295 143	24.54
65	0.00508	93 077	473	92 844	2 201 843	23.66
66	0.00551	92 605	510	92 353	2 108 999	22.77
67	0.00603	92 094	556	91 820	2 016 646	21.90
68	0.00663	91 538	607	91 240	1 924 826	21.03
69	0.00726	90 932	660	90 607	1 833 586	20.16
70	0.00799	90 272	722	89 917	1 742 980	19.31
71	0.00886	89 550	793	89 160	1 653 063	18.46
72	0.00984	88 757	873	88 327	1 563 903	17.62
73	0.01097	87 883	964	87 410	1 475 576	16.79
74	0.01228	86 920	1 067	86 395	1 388 166	15.97
75	0.01383	85 852	1 187	85 270	1 301 771	15.16
76	0.01568	84 665	1 327	84 014	1 216 501	14.37
77	0.01789	83 338	1 491	82 607	1 132 487	13.59
78	0.02042	81 847	1 671	81 028	1 049 880	12.83
79	0.02334	80 176	1 872	79 258	968 852	12.08
80	0.02669	78 305	2 090	77 279	889 594	11.36
81	0.03046	76 215	2 321	75 074	812 316	10.66
82	0.03475	73 894	2 567	72 631	737 241	9.98
83	0.03968	71 326	2 830	69 934	664 610	9.32
84	0.04541	68 496	3 110	66 965	594 677	8.68
85	0.05211	65 385	3 407	63 707	527 712	8.07
86	0.05989	61 979	3 712	60 148	464 005	7.49
87	0.06914	58 267	4 028	56 278	403 856	6.93
88	0.07948	54 238	4 311	52 105	347 578	6.41
89	0.09100	49 928	4 543	47 673	295 474	5.92
90	0.10374	45 384	4 708	43 041	247 801	5.46
91	0.11754	40 676	4 781	38 288	204 760	5.03
92	0.13206	35 895	4 740	33 518	166 473	4.64
93	0.14822	31 155	4 618	28 832	132 955	4.27
94	0.16561	26 537	4 395	24 317	104 122	3.92
95	0.18442	22 142	4 084	20 071	79 805	3.60
96	0.20474	18 059	3 697	16 175	59 734	3.31
97	0.22662	14 362	3 255	12 696	43 558	3.03
98	0.25013	11 107	2 778	9 677	30 863	2.78
99	0.27530	8 329	2 293	7 142	21 185	2.54
100	0.30216	6 036	1 824	5 086	14 043	2.33
101	0.33071	4 212	1 393	3 482	8 957	2.13
102	0.36093	2 819	1 018	2 282	5 475	1.94
103	0.39278	1 802	708	1 425	3 193	1.77
104	0.42616	1 094	466	843	1 769	1.62
105-	1.00000	628	628	925	925	1.47