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# Abridged Life Tables for Japan 2012

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Table A. Abridged Life Tables for Japan 2012

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## I . Life expectancies at specified ages

In the abridged life tables 2012, life expectancy at birth was 79.94 years for males, increasing by 0.50 from 79.44 in 2011, and 86.41 for females, increasing by 0.51 from 85.90.

Life expectancies at specified ages increased for both males and females from 2011 to 2012.

The difference in life expectancy at birth between males and females was 6.47 years, increasing by 0.01 years from 2011 to 2012.

**Table 1. Life expectancies at specified ages**

Age	Male			Female		
	2012	2011	Increase	2012	2011	Increase
0	79.94	79.44	0.50	86.41	85.90	0.51
5	75.19	74.71	0.48	81.67	81.19	0.48
10	70.23	69.77	0.46	76.70	76.24	0.46
15	65.26	64.81	0.45	71.72	71.28	0.44
20	60.36	59.93	0.43	66.78	66.35	0.43
25	55.52	55.10	0.42	61.85	61.45	0.40
30	50.69	50.28	0.41	56.94	56.56	0.38
35	45.85	45.47	0.38	52.04	51.69	0.35
40	41.05	40.69	0.36	47.17	46.84	0.33
45	36.32	35.98	0.34	42.35	42.05	0.30
50	31.70	31.39	0.31	37.59	37.32	0.27
55	27.23	26.95	0.28	32.92	32.68	0.24
60	22.93	22.70	0.23	28.33	28.12	0.21
65	18.89	18.69	0.20	23.82	23.66	0.16
70	15.11	14.93	0.18	19.45	19.31	0.14
75	11.57	11.43	0.14	15.27	15.16	0.11
80	8.48	8.39	0.09	11.43	11.36	0.07
85	6.00	5.96	0.04	8.10	8.07	0.03
90	4.16	4.14	0.02	5.47	5.46	0.01

**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
2012	79.94	86.41	6.47

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 2012, the number of survivors at age 65 was 87,760 for males per 100,000 hypothetical cohort and 93,844 for females. This means that the survival rate at age 65 was 87.8% for males and 93.8% for females. In the same way, it followed that the survival rate at age 75 was 73.1% for males and 86.9% for females, and the survival rate at age 90 was 22.2% for males and 46.5% 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 7,994,228 for males and 8,641,497 for females. In the same way, the stationary population from age 65 was 1,658,067 (20.7%) for males and 2,235,810 (25.9%) for females.

The median length of life, which means the age when exactly half of the cohort remains alive, was 82.95 years for males and 89.25 years for females, which was 3.01 years longer than the life expectancy for males and 2.84 years for females.

**Table 3. 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	
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	
2012	98.1	87.8	73.1	22.2	7.5	98.8	93.8	86.9	46.5	22.7	

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.

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

Year	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	
2012	20.7	25.9	

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	Male	Female	(years)
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	
2012	82.95	89.25	

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 thousands)

Country	Period	Male	female	Population
Japan	2012*	79.94	86.41	12 596
AFRICA	Algeria	2010	75.6	3 672
	Egypt	2011	68.59	8 041
	South Africa	2009	53.5	5 059
	Tunisia	2011*	72.9	1 067
	Canada	2007-2009*	78.8	3 448
NORTH AMERICA	Costa Rica	2010	76.82	462
	Cuba	2005-2007	76.00	1 125
	Mexico	2010*	73.1	10 755
	United States	2011*	76.3	31 159
SOUTH AMERICA	Argentina	2006-2010	71.56	4 090
	Brazil	2011*	70.6	19 238
	Chile	2010	75.81	1 725
	Colombia	2005-2010	70.67	4 604
	Peru	2000-2005	69.00	2 980
ASIA	Bangladesh	2010	66.66	14 862
	China	2010*	72.38	134 410
	Cyprus	2006-2007	78.3	85
	India	2002-2006	62.57	119 250
	Iran	2006	71.1	7 559
	Israel	2011*	80.0	776
	Malaysia	2011*	71.97	2 855
	Pakistan	2007	63.55	16 515
	Qatar	2010	78.04	163
	Republic of Korea	2011*	77.6	5 011
	Singapore	2012*	79.9	518
	Thailand	2010*	71.1	6 760
	Turkey	2009	71.5	7 422
	EUROPE	Austria	2012*	78.29
Belgium		2010*	77.4	1 100
Czech Republic		2012*	75.00	1 050
Denmark		2011-2012*	77.9	557
Finland		2012*	77.5	539
France		2012*	78.4	6 329
Germany		2009-2011*	77.72	8 180
Greece		2009	77.73	1 133
Iceland		2012*	80.8	32
Italy		2011*	79.4	6 074
Netherlands		2012*	79.2	1 669
Norway		2012*	79.42	495
Poland		2012*	72.7	3 820
Russian Federation		2011*	64.04	14 296
Spain		2011*	79.16	4 613
Sweden		2012*	79.87	945
Switzerland		2011*	80.3	791
Ukraine		2009-2010	65.28	4 578
United Kingdom		2009-2011*	78.66	6 244
OCEANIA		Australia	2009-2011*	79.7
	New Zealand	2010-2012*	79.34	441

Reference: \*In Hong Kong of 2012, life expectancy at birth for males was 80.6 years and that for females was 86.3 years.  
(Population: 707 ten thousands)

Note: Population in this table means mid-year estimated population in 2011 (in cases of Bangladesh 2010, Mexico and Pakistan 2009).  
On the other hand, population of Japan was estimated population at Oct.1, 2012.

Source: Demographic Yearbook 2011 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 2012, 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 and heart diseases, cerebrovascular diseases and pneumonia for females. 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, 65 and 75 for male, however under 50 percent at all the ages for females.

**Table 7. Mortality probability by causes of death, 2012**

Cause of death	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	29.32	20.22	28.78	18.38	25.46	16.20	15.17	9.65
Heart diseases	14.62	18.44	14.81	19.15	15.17	19.69	16.92	20.65
Cerebrovascular diseases	9.10	10.67	9.35	10.96	9.64	11.18	9.33	11.15
Pneumonia	11.87	10.56	13.17	11.13	14.66	11.71	18.54	13.21
Accidents	3.46	2.66	3.04	2.55	2.99	2.47	2.63	1.96
Traffic accidents(regrouped)	0.55	0.27	0.29	0.21	0.24	0.16	0.10	0.04
Suicide	2.25	0.99	0.73	0.41	0.48	0.27	0.24	0.10
Chronic obstructive pulmonary disease	2.15	0.60	2.41	0.63	2.66	0.64	2.38	0.59
Renal failure	2.01	2.28	2.18	2.39	2.36	2.47	2.79	2.43
Diseases of liver	1.28	0.76	0.91	0.68	0.66	0.61	0.30	0.30
Diabetes mellitus	1.06	1.05	1.02	1.07	0.93	1.05	0.67	0.79
Hypertensive diseases	0.47	0.87	0.50	0.92	0.53	0.97	0.79	1.23
Tuberculosis	0.22	0.14	0.23	0.14	0.25	0.14	0.29	0.12
Senility	3.54	10.31	4.04	10.98	4.81	11.84	10.63	18.10
Malignant neoplasms, heart diseases and cerebrovascular diseases (regrouped)	53.04	49.32	52.94	48.49	50.27	47.07	41.41	41.45

## 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 2012, 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 age 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 age 75, while some causes changed ranks at age 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 age 90.

Potential years of life lost by malignant neoplasms, heart diseases and cerebrovascular diseases was 7.37 years for males and 6.17 years for females at age 0, 5.91 years for males and 4.98 years for females at age 65, 4.45 years for males and 4.13 years for females at age 75, 1.90 years for males and 2.17 years for females at age 90.

**Table 8. Potential years of life lost, 2012**

Cause of death	(years)							
	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	3.77	2.89	2.95	1.95	1.97	1.35	0.56	0.41
Heart diseases	1.48	1.47	1.14	1.39	0.95	1.31	0.61	0.89
Cerebrovascular diseases	0.87	0.87	0.70	0.78	0.60	0.72	0.32	0.45
Pneumonia	0.85	0.70	0.87	0.70	0.87	0.69	0.68	0.53
Accidents	0.51	0.31	0.24	0.21	0.18	0.17	0.09	0.07
Traffic accidents(regrouped)	0.15	0.06	0.03	0.02	0.02	0.02	0.00	0.00
Suicide	0.70	0.33	0.08	0.05	0.03	0.02	0.01	0.00
Chronic obstructive pulmonary disease	0.15	0.04	0.16	0.04	0.16	0.04	0.08	0.02
Renal failure	0.15	0.16	0.14	0.16	0.13	0.15	0.09	0.09
Diseases of liver	0.22	0.10	0.09	0.07	0.05	0.05	0.01	0.01
Diabetes mellitus	0.12	0.10	0.09	0.09	0.06	0.07	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	0.01	0.01	0.01	0.01	0.01	0.00
Malignant neoplasms, heart diseases and cerebrovascular diseases	7.37	6.17	5.91	4.98	4.45	4.13	1.90	2.17

**Table A.Abridged life tables for Japan, 2012**

**Male**

age $x$	probability of dying $nq_x$	number of survivors $l_x$	number of deaths $nd_x$	stationary population		life expectancy $e_x^o$
				number of person-years $nL_x$	total person-years $T_x$	
0 (W)	0.00077	100 000	77	1 917	7 994 228	79.94
1	0.00011	99 923	11	1 916	7 992 311	79.98
2	0.00008	99 912	8	1 916	7 990 395	79.97
3	0.00006	99 904	6	1 916	7 988 479	79.96
4	0.00026	99 898	26	8 985	7 986 563	79.95
2 (M)	0.00018	99 872	18	8 322	7 977 578	79.88
3	0.00037	99 854	37	24 958	7 969 256	79.81
6	0.00046	99 817	46	49 897	7 944 297	79.59
0 (Y)	0.00230	100 000	230	99 827	7 994 228	79.94
1	0.00031	99 770	31	99 751	7 894 401	79.13
2	0.00023	99 740	23	99 729	7 794 650	78.15
3	0.00018	99 717	18	99 708	7 694 920	77.17
4	0.00015	99 699	14	99 692	7 595 213	76.18
5	0.00013	99 685	13	99 678	7 495 521	75.19
6	0.00012	99 672	12	99 666	7 395 843	74.20
7	0.00010	99 660	10	99 655	7 296 177	73.21
8	0.00009	99 650	9	99 645	7 196 523	72.22
9	0.00008	99 640	8	99 636	7 096 878	71.22
10	0.00007	99 633	7	99 629	6 997 241	70.23
11	0.00007	99 626	7	99 622	6 897 612	69.24
12	0.00009	99 618	9	99 614	6 797 990	68.24
13	0.00011	99 609	11	99 604	6 698 376	67.25
14	0.00015	99 598	14	99 591	6 598 772	66.25
15	0.00018	99 584	18	99 575	6 499 181	65.26
16	0.00023	99 566	23	99 554	6 399 606	64.28
17	0.00029	99 542	29	99 528	6 300 052	63.29
18	0.00036	99 513	36	99 496	6 200 523	62.31
19	0.00043	99 477	43	99 456	6 101 028	61.33
20	0.00049	99 434	49	99 410	6 001 572	60.36
21	0.00054	99 385	54	99 359	5 902 161	59.39
22	0.00058	99 332	58	99 303	5 802 803	58.42
23	0.00061	99 274	61	99 244	5 703 500	57.45
24	0.00063	99 213	62	99 182	5 604 256	56.49
25	0.00063	99 151	63	99 120	5 505 074	55.52
26	0.00063	99 088	62	99 057	5 405 954	54.56
27	0.00062	99 026	62	98 995	5 306 897	53.59
28	0.00061	98 964	61	98 934	5 207 902	52.62
29	0.00062	98 904	61	98 873	5 108 968	51.66
30	0.00064	98 842	63	98 811	5 010 095	50.69
31	0.00065	98 779	65	98 747	4 911 284	49.72
32	0.00067	98 715	66	98 682	4 812 536	48.75
33	0.00069	98 649	68	98 615	4 713 855	47.78
34	0.00073	98 580	72	98 544	4 615 240	46.82
35	0.00078	98 508	77	98 470	4 516 696	45.85
36	0.00085	98 431	83	98 390	4 418 226	44.89
37	0.00091	98 347	90	98 303	4 319 836	43.92
38	0.00098	98 258	96	98 210	4 221 533	42.96
39	0.00105	98 161	103	98 110	4 123 323	42.01
40	0.00115	98 058	112	98 003	4 025 212	41.05
41	0.00127	97 946	125	97 884	3 927 210	40.10
42	0.00141	97 821	138	97 753	3 829 325	39.15
43	0.00155	97 683	152	97 608	3 731 572	38.20
44	0.00169	97 531	165	97 450	3 633 964	37.26
45	0.00183	97 366	178	97 278	3 536 514	36.32
46	0.00200	97 188	194	97 092	3 439 236	35.39
47	0.00221	96 994	215	96 888	3 342 143	34.46
48	0.00246	96 779	238	96 662	3 245 255	33.53
49	0.00272	96 541	263	96 411	3 148 593	32.61

Male

age $x$	probability of dying $nq_x$	number of survivors $l_x$	number of deaths $nd_x$	stationary population		life expectancy $e_x^o$
				number of person-years $nL_x$	total person-years $T_x$	
50	0.00297	96 278	286	96 137	3 052 182	31.70
51	0.00325	95 992	312	95 838	2 956 045	30.79
52	0.00355	95 680	340	95 512	2 860 208	29.89
53	0.00387	95 340	369	95 158	2 764 695	29.00
54	0.00421	94 971	400	94 773	2 669 538	28.11
55	0.00459	94 570	434	94 357	2 574 764	27.23
56	0.00504	94 137	475	93 903	2 480 408	26.35
57	0.00559	93 662	523	93 405	2 386 505	25.48
58	0.00622	93 139	579	92 854	2 293 100	24.62
59	0.00689	92 559	638	92 245	2 200 246	23.77
60	0.00757	91 922	695	91 579	2 108 001	22.93
61	0.00831	91 226	758	90 853	2 016 422	22.10
62	0.00918	90 468	831	90 059	1 925 570	21.28
63	0.01008	89 637	904	89 191	1 835 511	20.48
64	0.01097	88 734	974	88 253	1 746 319	19.68
65	0.01194	87 760	1 048	87 242	1 658 067	18.89
66	0.01302	86 712	1 129	86 155	1 570 824	18.12
67	0.01423	85 583	1 218	84 982	1 484 670	17.35
68	0.01555	84 365	1 312	83 717	1 399 688	16.59
69	0.01690	83 053	1 403	82 359	1 315 971	15.84
70	0.01821	81 650	1 487	80 913	1 233 612	15.11
71	0.01969	80 163	1 578	79 382	1 152 699	14.38
72	0.02152	78 585	1 691	77 749	1 073 317	13.66
73	0.02376	76 893	1 827	75 992	995 568	12.95
74	0.02644	75 066	1 985	74 088	919 576	12.25
75	0.02957	73 081	2 161	72 016	845 488	11.57
76	0.03322	70 920	2 356	69 759	773 472	10.91
77	0.03744	68 564	2 567	67 299	703 713	10.26
78	0.04232	65 997	2 793	64 620	636 414	9.64
79	0.04783	63 204	3 023	61 712	571 795	9.05
80	0.05394	60 181	3 246	58 576	510 083	8.48
81	0.06072	56 935	3 457	55 223	451 507	7.93
82	0.06817	53 478	3 646	51 670	396 283	7.41
83	0.07634	49 832	3 804	47 942	344 614	6.92
84	0.08533	46 028	3 928	44 073	296 672	6.45
85	0.09551	42 100	4 021	40 096	252 599	6.00
86	0.10673	38 079	4 064	36 049	212 503	5.58
87	0.11882	34 015	4 042	31 990	176 454	5.19
88	0.13190	29 974	3 953	27 987	144 464	4.82
89	0.14590	26 020	3 796	24 106	116 478	4.48
90	0.16082	22 224	3 574	20 416	92 371	4.16
91	0.17667	18 650	3 295	16 977	71 956	3.86
92	0.19350	15 355	2 971	13 841	54 979	3.58
93	0.21134	12 384	2 617	11 045	41 138	3.32
94	0.23021	9 766	2 248	8 611	30 094	3.08
95	0.25014	7 518	1 881	6 548	21 482	2.86
96	0.27114	5 637	1 529	4 845	14 935	2.65
97	0.29321	4 109	1 205	3 481	10 090	2.46
98	0.31636	2 904	919	2 423	6 609	2.28
99	0.34057	1 985	676	1 629	4 186	2.11
100	0.36582	1 309	479	1 055	2 557	1.95
101	0.39208	830	326	656	1 502	1.81
102	0.41928	505	212	391	846	1.68
103	0.44737	293	131	222	455	1.55
104	0.47626	162	77	120	233	1.44
105 -	1.00000	85	85	113	113	1.33



**Table A.Abridged life tables for Japan, 2012**

**Female**

age $x$	probability of dying $nq_x$	number of survivors $l_x$	number of deaths $nd_x$	stationary population		life expectancy $e_x^o$
				number of person-years $nL_x$	total person-years $T_x$	
0 (W)	0.00075	100 000	75	1 917	8 641 497	86.41
1	0.00009	99 925	9	1 916	8 639 580	86.46
2	0.00009	99 916	9	1 916	8 637 664	86.45
3	0.00010	99 907	10	1 916	8 635 748	86.44
4	0.00023	99 897	23	8 985	8 633 832	86.43
2 (M)	0.00015	99 873	15	8 322	8 624 847	86.36
3	0.00032	99 858	32	24 960	8 616 525	86.29
6	0.00038	99 826	38	49 903	8 591 565	86.07
0 (Y)	0.00213	100 000	213	99 835	8 641 497	86.41
1	0.00031	99 787	31	99 770	8 541 662	85.60
2	0.00023	99 756	23	99 745	8 441 892	84.63
3	0.00017	99 734	16	99 725	8 342 147	83.64
4	0.00012	99 717	12	99 711	8 242 422	82.66
5	0.00010	99 705	10	99 700	8 142 711	81.67
6	0.00008	99 695	8	99 691	8 043 011	80.68
7	0.00007	99 688	7	99 684	7 943 320	79.68
8	0.00007	99 681	6	99 677	7 843 636	78.69
9	0.00006	99 674	6	99 671	7 743 958	77.69
10	0.00006	99 668	6	99 665	7 644 287	76.70
11	0.00006	99 661	6	99 658	7 544 623	75.70
12	0.00007	99 655	7	99 652	7 444 965	74.71
13	0.00008	99 649	8	99 645	7 345 313	73.71
14	0.00009	99 641	9	99 636	7 245 668	72.72
15	0.00011	99 631	11	99 626	7 146 032	71.72
16	0.00013	99 621	13	99 615	7 046 405	70.73
17	0.00015	99 608	15	99 601	6 946 791	69.74
18	0.00018	99 593	18	99 584	6 847 190	68.75
19	0.00020	99 575	20	99 566	6 747 605	67.76
20	0.00021	99 556	21	99 545	6 648 040	66.78
21	0.00022	99 534	22	99 523	6 548 495	65.79
22	0.00023	99 512	23	99 501	6 448 971	64.81
23	0.00025	99 489	24	99 477	6 349 470	63.82
24	0.00026	99 465	26	99 452	6 249 993	62.84
25	0.00028	99 439	28	99 425	6 150 542	61.85
26	0.00030	99 410	30	99 396	6 051 117	60.87
27	0.00031	99 381	31	99 365	5 951 721	59.89
28	0.00031	99 350	31	99 334	5 852 356	58.91
29	0.00032	99 319	31	99 303	5 753 022	57.92
30	0.00033	99 287	33	99 271	5 653 718	56.94
31	0.00035	99 255	35	99 237	5 554 447	55.96
32	0.00038	99 219	37	99 201	5 455 210	54.98
33	0.00039	99 182	39	99 163	5 356 009	54.00
34	0.00040	99 144	40	99 124	5 256 846	53.02
35	0.00043	99 104	42	99 083	5 157 722	52.04
36	0.00047	99 061	46	99 039	5 058 640	51.07
37	0.00052	99 015	51	98 990	4 959 601	50.09
38	0.00057	98 964	56	98 936	4 860 611	49.11
39	0.00062	98 908	61	98 878	4 761 674	48.14
40	0.00068	98 846	67	98 814	4 662 797	47.17
41	0.00074	98 780	73	98 744	4 563 983	46.20
42	0.00080	98 707	79	98 668	4 465 239	45.24
43	0.00087	98 628	86	98 586	4 366 571	44.27
44	0.00094	98 542	93	98 496	4 267 986	43.31
45	0.00102	98 449	100	98 400	4 169 490	42.35
46	0.00110	98 349	108	98 296	4 071 090	41.39
47	0.00120	98 241	118	98 183	3 972 794	40.44
48	0.00132	98 123	130	98 060	3 874 611	39.49
49	0.00146	97 994	143	97 923	3 776 551	38.54

Female

age $x$	probability of dying $nq_x$	number of survivors $l_x$	number of deaths $nd_x$	stationary population		life expectancy $e_x^o$
				number of person-years $nL_x$	total person-years $T_x$	
50	0.00161	97 850	157	97 773	3 678 628	37.59
51	0.00175	97 693	171	97 609	3 580 855	36.65
52	0.00188	97 523	184	97 432	3 483 246	35.72
53	0.00202	97 339	196	97 242	3 385 814	34.78
54	0.00215	97 143	209	97 039	3 288 572	33.85
55	0.00229	96 933	222	96 824	3 191 533	32.92
56	0.00242	96 712	234	96 596	3 094 709	32.00
57	0.00259	96 478	250	96 354	2 998 113	31.08
58	0.00280	96 228	270	96 095	2 901 759	30.16
59	0.00305	95 958	293	95 813	2 805 665	29.24
60	0.00330	95 665	316	95 509	2 709 851	28.33
61	0.00354	95 349	337	95 182	2 614 342	27.42
62	0.00379	95 012	360	94 834	2 519 160	26.51
63	0.00410	94 652	388	94 460	2 424 326	25.61
64	0.00446	94 264	420	94 057	2 329 866	24.72
65	0.00486	93 844	456	93 619	2 235 810	23.82
66	0.00529	93 387	494	93 144	2 142 191	22.94
67	0.00576	92 893	535	92 629	2 049 047	22.06
68	0.00628	92 358	580	92 072	1 956 418	21.18
69	0.00689	91 778	632	91 466	1 864 347	20.31
70	0.00756	91 146	689	90 806	1 772 880	19.45
71	0.00836	90 456	757	90 084	1 682 074	18.60
72	0.00934	89 700	837	89 288	1 591 990	17.75
73	0.01048	88 862	932	88 405	1 502 702	16.91
74	0.01181	87 931	1 038	87 421	1 414 298	16.08
75	0.01330	86 892	1 156	86 325	1 326 877	15.27
76	0.01503	85 736	1 288	85 104	1 240 552	14.47
77	0.01707	84 448	1 442	83 741	1 155 448	13.68
78	0.01956	83 006	1 623	82 211	1 071 707	12.91
79	0.02245	81 383	1 827	80 487	989 496	12.16
80	0.02578	79 556	2 051	78 550	909 009	11.43
81	0.02959	77 505	2 294	76 379	830 459	10.71
82	0.03396	75 211	2 554	73 957	754 080	10.03
83	0.03889	72 657	2 826	71 267	680 124	9.36
84	0.04455	69 831	3 111	68 300	608 856	8.72
85	0.05114	66 721	3 412	65 040	540 556	8.10
86	0.05893	63 309	3 731	61 470	475 515	7.51
87	0.06803	59 578	4 053	57 578	414 045	6.95
88	0.07874	55 524	4 372	53 363	356 467	6.42
89	0.09063	51 152	4 636	48 853	303 104	5.93
90	0.10352	46 516	4 815	44 119	254 251	5.47
91	0.11739	41 701	4 895	39 255	210 131	5.04
92	0.13216	36 806	4 864	34 366	170 876	4.64
93	0.14815	31 941	4 732	29 560	136 509	4.27
94	0.16554	27 209	4 504	24 934	106 949	3.93
95	0.18431	22 705	4 185	20 582	82 015	3.61
96	0.20452	18 520	3 788	16 590	61 433	3.32
97	0.22623	14 732	3 333	13 026	44 843	3.04
98	0.24949	11 399	2 844	9 936	31 816	2.79
99	0.27433	8 555	2 347	7 341	21 880	2.56
100	0.30078	6 208	1 867	5 236	14 540	2.34
101	0.32883	4 341	1 427	3 593	9 304	2.14
102	0.35847	2 914	1 044	2 362	5 711	1.96
103	0.38964	1 869	728	1 482	3 349	1.79
104	0.42226	1 141	482	882	1 867	1.64
105 -	1.00000	659	659	985	985	1.49