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# Abridged Life Tables For Japan 2009

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## I . Life expectancies at specified ages

In the abridged life tables for 2009 life expectancy at birth for males is 79.59 years, increased by 0.30 years from that of the previous year, and that for females is 86.44 years, increased by 0.39 years.

Life expectancies at specified ages for both sexes increase at all ages.

The difference in life expectancy at birth between males and females is 6.85 years, 0.09 years longer 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		
	2009	2008	Increase	2009	2008	Increase
0	79.59	79.29	0.30	86.44	86.05	0.39
5	74.87	74.57	0.30	81.69	81.33	0.36
10	69.90	69.61	0.29	76.73	76.36	0.37
15	64.93	64.65	0.28	71.75	71.39	0.36
20	60.04	59.75	0.29	66.81	66.45	0.36
25	55.20	54.92	0.28	61.90	61.54	0.36
30	50.37	50.09	0.28	57.00	56.64	0.36
35	45.55	45.27	0.28	52.11	51.75	0.36
40	40.78	40.49	0.29	47.25	46.89	0.36
45	36.09	35.79	0.30	42.44	42.08	0.36
50	31.51	31.21	0.30	37.70	37.34	0.36
55	27.09	26.79	0.30	33.04	32.69	0.35
60	22.87	22.58	0.29	28.46	28.12	0.34
65	18.88	18.60	0.28	23.97	23.64	0.33
70	15.10	14.84	0.26	19.61	19.29	0.32
75	11.63	11.40	0.23	15.46	15.18	0.28
80	8.66	8.49	0.17	11.68	11.43	0.25
85	6.27	6.13	0.14	8.41	8.21	0.20
90	4.48	4.36	0.12	5.86	5.71	0.15

**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
2009	79.59	86.44	6.85

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

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

## II. Survival situation in the life table

In the abridged life tables for 2009, the number of survivors at age 65 is 86,742 for males and 93,599 for females in a stationary population supported by 100,000 annual live births. These facts lead that the survival ratio until age 65 is 86.7% for males and 93.6% for females. In the same way, it follows that the survival ratio until age 75 is 71.9% for males and 86.5% for females, and the survival ratio until age 90 is 22.2% for males and 46.4% for females.

The number of stationary population from age 0 (total person-years from age 0) is 7,958,862 for males and 8,644,266 for females. The number of stationary population from age 65 (total person-years from age 65) is 1,637,970(20.6%) for males and 2,243,592(26.0%) for females.

The median length of life, which means the age when exactly half of the cohort remains alive, is 82.55 years for males and 89.20 years for females.

**Table 3. Survival ratio until 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

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 (%)
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

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 5. The median length of life**

Year	Male (years)	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

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

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

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

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

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

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

(Life expectancy : years, Population : 10 thousand)

Country	Period	Male	female	Population	
Japan	2009*	79.59	86.44	12 582	
AFRICA	Algeria	2002	72.5	74.2	3 410
	Egypt	2006*	69.2	73.6	7 364
	South Africa	2004	49.9	52.9	4 829
	Tunisia	2008*	72.4	76.3	1 023
NORTH AMERICA	Canada	2005*	78.0	82.7	3 298
	Mexico	2008*	72.7	77.5	10 579
	United States	2007*	75.4	80.4	30 162
SOUTH AMERICA	Argentina	2006-2010	72.5	80.0	3 936
	Brazil	2008*	69.1	76.7	18 764
	Chile	2005-2010	75.5	81.5	1 660
	Colombia	2005-2010	70.7	77.5	4 393
	Peru	1995-2000	65.9	70.9	2 848
ASIA	China	2000*	69.63	73.33	132 466
	India	2002-2006	62.6	64.2	113 402
	Iran	2006	71.1	73.1	7 153
	Israel	2008*	79.1	83.0	718
	Korea, Republic of	2008*	76.5	83.3	4 846
	Malaysia	2008*	71.6	76.4	2 717
	Qatar	2007	81.0	79.2	123
	Singapore	2009*	79.0	83.7	459
	Thailand	2005-2006	69.9	77.6	6 604
	Turkey	2006	69.1	74.0	7 388
	EUROPE	Austria	2009*	77.4	82.9
Belgium		2006	77.0	82.7	1 062
Czech Republic		2009*	74.19	80.13	1 033
Denmark		2008-2009*	76.52	80.75	546
Finland		2009*	76.5	83.2	529
France		2009*	77.8	84.5	6 171
Germany		2006-2008*	77.17	82.40	8 226
Iceland		2009*	79.7	83.3	31
Italy		2007*	78.67	84.04	5 938
Netherlands		2009*	78.6	82.5	1 638
Norway		2009*	78.60	83.05	471
Poland		2009*	71.5	80.1	3 812
Russian Federation		2007	61.4	73.9	14 212
Spain		2008*	78.17	84.27	4 487
Sweden		2009*	79.36	83.37	915
Switzerland		2008*	79.7	84.4	755
Ukraine		2006-2007	62.5	74.2	4 665
United Kingdom		2006-2008*	77.4	81.6	6 098
OCEANIA	Australia	2005-2007*	79.0	83.7	2 107
	New Zealand	2006-2008	78.2	82.2	423

Reference: \*In Hong Kong of 2009, life expectancy at birth for males is 79.8 years, and that for females is 86.1 years. (population: 693 ten thousands)

Note: Population means 2007 mid-year estimated population.

But population of Japan is Estimated Population at Oct.1, 2009

Source: Demographic Yearbook 2007 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 age will die of specified cause of death in the future.

As for leading causes of death in 2009, the probability of malignant neoplasms is the largest for both sexes at age 0, followed by heart diseases, pneumonia, cerebrovascular diseases for males and H.C.P for females.

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

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

Cause of death	(%)							
	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	29.90	20.63	29.40	18.82	26.12	16.63	15.50	9.96
Heart diseases	14.68	19.09	14.93	19.87	15.37	20.47	17.25	21.53
Cerebrovascular diseases	10.08	12.11	10.44	12.45	10.79	12.73	10.79	12.57
Pneumonia	12.20	11.35	13.72	11.99	15.39	12.65	20.07	14.68
Accidents	3.47	2.57	2.98	2.41	2.90	2.34	2.61	1.92
Traffic accidents	0.66	0.31	0.37	0.23	0.30	0.18	0.13	0.05
Suicide	2.67	1.08	0.84	0.45	0.54	0.30	0.31	0.11
Renal failure	2.05	2.42	2.26	2.54	2.45	2.63	3.00	2.73
Diseases of liver	1.32	0.81	0.92	0.74	0.64	0.65	0.36	0.35
Diabetes mellitus	1.08	1.11	1.04	1.13	0.94	1.09	0.67	0.79
Hypertensive diseases	0.44	0.89	0.46	0.94	0.50	0.99	0.76	1.26
Tuberculosis	0.25	0.14	0.26	0.15	0.28	0.15	0.30	0.10
Senility	2.79	8.50	3.22	9.08	3.86	9.81	8.89	15.40
Three leading causes of death (i.e. malignant neoplasms, heart diseases and cerebrovascular diseases)	54.65	51.84	54.77	51.13	52.28	49.82	43.54	44.06

## 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 us to estimate the effect of that cause to one's life expectancy.

In 2009, 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 8.04 years for males and 6.99 years for females at age 0, 6.48 years for males and 5.75 years for females at age 65, 5.00 years for males and 4.89 years for females at age 75, 2.30 years for males and 2.78 years for females at age 90.

**Table 8. 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	3.98	3.03	3.11	2.07	2.12	1.46	0.63	0.48
Heart diseases	1.55	1.65	1.19	1.56	1.02	1.48	0.69	1.09
Cerebrovascular diseases	1.00	1.06	0.82	0.96	0.71	0.89	0.41	0.59
Pneumonia	0.91	0.80	0.95	0.81	0.97	0.81	0.83	0.69
Accidents	0.55	0.33	0.24	0.21	0.19	0.17	0.09	0.09
Traffic accidents	0.17	0.07	0.04	0.03	0.02	0.02	0.01	0.01
Suicide	0.81	0.36	0.09	0.06	0.04	0.03	0.01	0.01
Renal failure	0.16	0.18	0.15	0.18	0.14	0.17	0.11	0.12
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	0.09	0.10	0.06	0.08	0.03	0.04
Hypertensive diseases	0.04	0.06	0.03	0.06	0.03	0.06	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)	8.04	6.99	6.48	5.75	5.00	4.89	2.30	2.78

**Table A.Abridged life tables for Japan 2009**

**Male**

age <i>x</i>	death rate <i>nq<sub>x</sub></i>	number of <i>l<sub>x</sub></i>	number of <i>n<sub>a</sub><i>x</i></i>	stationary population		life <i>e<sub>x</sub></i>
				<i>nL<sub>x</sub></i>	<i>l<sub>x</sub></i>	
0 (W)	0.00091	100 000	91	1 917	7 958 862	79.59
1	0.00016	99 909	16	1 916	7 956 945	79.64
2	0.00013	99 893	13	1 916	7 955 029	79.64
3	0.00009	99 881	9	1 915	7 953 114	79.63
4	0.00031	99 872	31	8 983	7 951 198	79.61
2 (M)	0.00018	99 840	18	8 319	7 942 216	79.55
3	0.00042	99 823	42	24 951	7 933 897	79.48
6	0.00042	99 781	42	49 878	7 908 946	79.26
0 (Y)	0.00262	100 000	262	99 794	7 958 862	79.59
1	0.00037	99 738	37	99 720	7 859 068	78.80
2	0.00025	99 702	25	99 690	7 759 348	77.83
3	0.00017	99 677	17	99 668	7 659 659	76.84
4	0.00013	99 660	13	99 654	7 559 990	75.86
5	0.00011	99 648	11	99 642	7 460 337	74.87
6	0.00011	99 637	10	99 631	7 360 695	73.88
7	0.00010	99 626	10	99 621	7 261 063	72.88
8	0.00009	99 616	9	99 612	7 161 442	71.89
9	0.00009	99 607	9	99 603	7 061 830	70.90
10	0.00008	99 599	8	99 594	6 962 227	69.90
11	0.00008	99 590	8	99 586	6 862 633	68.91
12	0.00008	99 582	8	99 578	6 763 047	67.91
13	0.00010	99 574	9	99 570	6 663 468	66.92
14	0.00013	99 565	13	99 559	6 563 898	65.93
15	0.00018	99 552	18	99 544	6 464 339	64.93
16	0.00025	99 534	25	99 522	6 364 796	63.95
17	0.00033	99 509	33	99 493	6 265 274	62.96
18	0.00040	99 476	40	99 457	6 165 781	61.98
19	0.00047	99 436	46	99 414	6 066 324	61.01
20	0.00053	99 390	53	99 364	5 966 910	60.04
21	0.00058	99 337	58	99 309	5 867 546	59.07
22	0.00061	99 280	60	99 250	5 768 237	58.10
23	0.00061	99 219	60	99 189	5 668 988	57.14
24	0.00059	99 159	59	99 130	5 569 799	56.17
25	0.00058	99 100	58	99 071	5 470 669	55.20
26	0.00060	99 042	59	99 013	5 371 597	54.24
27	0.00063	98 983	62	98 952	5 272 584	53.27
28	0.00067	98 921	66	98 888	5 173 632	52.30
29	0.00070	98 855	69	98 821	5 074 744	51.34
30	0.00071	98 786	71	98 751	4 975 923	50.37
31	0.00072	98 715	71	98 680	4 877 172	49.41
32	0.00074	98 644	73	98 608	4 778 493	48.44
33	0.00077	98 572	76	98 534	4 679 884	47.48
34	0.00082	98 495	81	98 455	4 581 351	46.51
35	0.00088	98 414	87	98 371	4 482 895	45.55
36	0.00096	98 327	94	98 281	4 384 524	44.59
37	0.00104	98 233	102	98 183	4 286 243	43.63
38	0.00114	98 131	112	98 076	4 188 060	42.68
39	0.00125	98 019	122	97 959	4 089 984	41.73
40	0.00136	97 897	133	97 832	3 992 025	40.78
41	0.00148	97 764	145	97 693	3 894 193	39.83
42	0.00161	97 620	157	97 542	3 796 500	38.89
43	0.00175	97 463	170	97 379	3 698 958	37.95
44	0.00191	97 292	185	97 201	3 601 579	37.02
45	0.00208	97 107	202	97 008	3 504 378	36.09
46	0.00226	96 905	219	96 797	3 407 371	35.16
47	0.00247	96 686	239	96 568	3 310 573	34.24
48	0.00270	96 447	261	96 319	3 214 005	33.32
49	0.00297	96 187	286	96 046	3 117 686	32.41

## Male

age $x$	death rate $nq_x$	number of $l_x$	number of $nd_x$	stationary population		life $e_x$
				$nL_x$	$I_x$	
50	0.00328	95 901	315	95 746	3 021 640	31.51
51	0.00362	95 586	346	95 415	2 925 894	30.61
52	0.00397	95 239	378	95 053	2 830 479	29.72
53	0.00432	94 861	410	94 659	2 735 426	28.84
54	0.00469	94 452	443	94 233	2 640 767	27.96
55	0.00511	94 008	480	93 771	2 546 534	27.09
56	0.00561	93 528	525	93 270	2 452 762	26.22
57	0.00620	93 003	577	92 719	2 359 493	25.37
58	0.00686	92 426	634	92 114	2 266 774	24.53
59	0.00756	91 792	694	91 450	2 174 660	23.69
60	0.00825	91 098	752	90 727	2 083 209	22.87
61	0.00894	90 346	808	89 947	1 992 483	22.05
62	0.00969	89 538	868	89 109	1 902 536	21.25
63	0.01050	88 670	931	88 210	1 813 426	20.45
64	0.01137	87 739	998	87 246	1 725 216	19.66
65	0.01228	86 742	1 065	86 215	1 637 970	18.88
66	0.01325	85 676	1 135	85 114	1 551 755	18.11
67	0.01425	84 541	1 205	83 945	1 466 641	17.35
68	0.01537	83 336	1 281	82 703	1 382 696	16.59
69	0.01673	82 056	1 372	81 378	1 299 993	15.84
70	0.01836	80 683	1 481	79 952	1 218 616	15.10
71	0.02026	79 202	1 604	78 411	1 138 663	14.38
72	0.02244	77 598	1 741	76 739	1 060 253	13.66
73	0.02503	75 856	1 899	74 921	983 514	12.97
74	0.02805	73 958	2 075	72 936	908 593	12.29
75	0.03149	71 883	2 263	70 768	835 657	11.63
76	0.03532	69 620	2 459	68 407	764 890	10.99
77	0.03959	67 161	2 659	65 848	696 483	10.37
78	0.04435	64 502	2 861	63 088	630 634	9.78
79	0.04958	61 641	3 056	60 129	567 546	9.21
80	0.05525	58 585	3 237	56 981	507 418	8.66
81	0.06131	55 348	3 393	53 664	450 437	8.14
82	0.06804	51 955	3 535	50 199	396 773	7.64
83	0.07576	48 420	3 668	46 596	346 574	7.16
84	0.08421	44 752	3 768	42 874	299 978	6.70
85	0.09341	40 983	3 828	39 072	257 104	6.27
86	0.10295	37 155	3 825	35 240	218 032	5.87
87	0.11339	33 330	3 779	31 436	182 792	5.48
88	0.12627	29 551	3 731	27 678	151 356	5.12
89	0.13876	25 819	3 583	24 012	123 678	4.79
90	0.15178	22 237	3 375	20 530	99 665	4.48
91	0.16535	18 861	3 119	17 279	79 136	4.20
92	0.17947	15 743	2 825	14 304	61 857	3.93
93	0.19415	12 917	2 508	11 636	47 552	3.68
94	0.20941	10 409	2 180	9 292	35 916	3.45
95	0.22523	8 230	1 854	7 276	26 624	3.24
96	0.24164	6 376	1 541	5 580	19 348	3.03
97	0.25862	4 835	1 251	4 187	13 768	2.85
98	0.27618	3 585	990	3 069	9 581	2.67
99	0.29431	2 595	764	2 196	6 511	2.51
100	0.31300	1 831	573	1 530	4 316	2.36
101	0.33225	1 258	418	1 037	2 785	2.21
102	0.35202	840	296	683	1 748	2.08
103	0.37231	544	203	436	1 065	1.96
104	0.39310	342	134	270	628	1.84
105-	1.00000	207	207	359	359	1.73



**Female**

age <i>x</i>	death rate <i>nq<sub>x</sub></i>	number of <i>l<sub>x</sub></i>	number of <i>nd<sub>x</sub></i>	stationary population		life <i>e<sub>x</sub></i>
				<i>nL<sub>x</sub></i>	<i>T<sub>x</sub></i>	
0 (W)	0.00072	100 000	72	1 917	8 644 266	86.44
1	0.00015	99 928	15	1 916	8 642 349	86.49
2	0.00010	99 913	10	1 916	8 640 433	86.48
3	0.00008	99 903	8	1 916	8 638 517	86.47
4	0.00020	99 895	20	8 985	8 636 601	86.46
2 (M)	0.00015	99 875	15	8 322	8 627 616	86.38
3	0.00035	99 860	35	24 960	8 619 294	86.31
6	0.00038	99 825	38	49 902	8 594 333	86.09
0 (Y)	0.00213	100 000	213	99 834	8 644 266	86.44
1	0.00031	99 787	31	99 770	8 544 432	85.63
2	0.00022	99 756	22	99 745	8 444 662	84.65
3	0.00015	99 734	15	99 726	8 344 916	83.67
4	0.00012	99 719	12	99 713	8 245 190	82.68
5	0.00011	99 707	11	99 701	8 145 478	81.69
6	0.00010	99 696	10	99 691	8 045 776	80.70
7	0.00008	99 687	8	99 682	7 946 085	79.71
8	0.00007	99 678	7	99 674	7 846 403	78.72
9	0.00007	99 671	7	99 668	7 746 728	77.72
10	0.00006	99 664	6	99 661	7 647 061	76.73
11	0.00006	99 658	6	99 655	7 547 400	75.73
12	0.00007	99 652	7	99 648	7 447 745	74.74
13	0.00007	99 645	7	99 641	7 348 097	73.74
14	0.00009	99 638	9	99 633	7 248 455	72.75
15	0.00011	99 629	11	99 624	7 148 822	71.75
16	0.00013	99 618	13	99 612	7 049 199	70.76
17	0.00016	99 605	16	99 597	6 949 587	69.77
18	0.00019	99 589	19	99 580	6 849 989	68.78
19	0.00022	99 570	22	99 559	6 750 409	67.80
20	0.00025	99 548	25	99 535	6 650 850	66.81
21	0.00028	99 522	27	99 509	6 551 315	65.83
22	0.00028	99 495	28	99 481	6 451 806	64.85
23	0.00029	99 467	29	99 452	6 352 325	63.86
24	0.00030	99 438	30	99 423	6 252 873	62.88
25	0.00031	99 408	31	99 393	6 153 450	61.90
26	0.00032	99 377	32	99 361	6 054 057	60.92
27	0.00033	99 345	33	99 329	5 954 696	59.94
28	0.00033	99 312	33	99 296	5 855 367	58.96
29	0.00034	99 279	34	99 262	5 756 072	57.98
30	0.00036	99 245	35	99 228	5 656 810	57.00
31	0.00038	99 210	37	99 192	5 557 582	56.02
32	0.00040	99 173	40	99 153	5 458 390	55.04
33	0.00043	99 133	42	99 112	5 359 237	54.06
34	0.00045	99 091	45	99 069	5 260 125	53.08
35	0.00049	99 046	48	99 022	5 161 056	52.11
36	0.00053	98 998	53	98 972	5 062 033	51.13
37	0.00058	98 945	57	98 917	4 963 061	50.16
38	0.00063	98 888	62	98 857	4 864 144	49.19
39	0.00068	98 826	67	98 792	4 765 287	48.22
40	0.00073	98 759	72	98 723	4 666 495	47.25
41	0.00078	98 687	77	98 649	4 567 772	46.29
42	0.00085	98 610	84	98 568	4 469 123	45.32
43	0.00094	98 525	92	98 480	4 370 555	44.36
44	0.00102	98 433	100	98 384	4 272 075	43.40
45	0.00110	98 333	108	98 280	4 173 691	42.44
46	0.00119	98 225	117	98 167	4 075 411	41.49
47	0.00128	98 108	126	98 046	3 977 244	40.54
48	0.00139	97 982	136	97 915	3 879 198	39.59
49	0.00151	97 846	148	97 773	3 781 283	38.65

Table A.Abridged life tables for Japan 2009

## Female

age $x$	death rate $nq_x$	number of $l_x$	number of $nd_x$	stationary population		life $e_x$
				$nL_x$	$T_x$	
50	0.00165	97 698	161	97 619	3 683 509	37.70
51	0.00178	97 537	174	97 451	3 585 891	36.76
52	0.00192	97 363	187	97 271	3 488 440	35.83
53	0.00206	97 176	200	97 077	3 391 169	34.90
54	0.00219	96 976	213	96 871	3 294 092	33.97
55	0.00233	96 764	226	96 652	3 197 220	33.04
56	0.00250	96 538	241	96 419	3 100 568	32.12
57	0.00268	96 297	258	96 169	3 004 150	31.20
58	0.00290	96 039	278	95 902	2 907 980	30.28
59	0.00317	95 760	303	95 611	2 812 079	29.37
60	0.00343	95 457	328	95 295	2 716 468	28.46
61	0.00367	95 130	350	94 957	2 621 173	27.55
62	0.00390	94 780	370	94 597	2 526 216	26.65
63	0.00415	94 410	392	94 216	2 431 619	25.76
64	0.00446	94 018	419	93 811	2 337 403	24.86
65	0.00486	93 599	455	93 374	2 243 592	23.97
66	0.00534	93 144	497	92 899	2 150 218	23.08
67	0.00583	92 647	540	92 380	2 057 319	22.21
68	0.00638	92 107	588	91 817	1 964 939	21.33
69	0.00702	91 519	643	91 203	1 873 122	20.47
70	0.00780	90 876	709	90 528	1 781 919	19.61
71	0.00868	90 168	783	89 783	1 691 391	18.76
72	0.00967	89 385	864	88 960	1 601 608	17.92
73	0.01080	88 520	956	88 050	1 512 649	17.09
74	0.01214	87 564	1 063	87 042	1 424 598	16.27
75	0.01379	86 501	1 193	85 916	1 337 556	15.46
76	0.01565	85 309	1 335	84 653	1 251 640	14.67
77	0.01777	83 973	1 493	83 241	1 166 986	13.90
78	0.02016	82 481	1 663	81 664	1 083 746	13.14
79	0.02292	80 817	1 852	79 908	1 002 082	12.40
80	0.02610	78 965	2 061	77 952	922 174	11.68
81	0.02972	76 904	2 286	75 780	844 222	10.98
82	0.03390	74 618	2 530	73 375	768 441	10.30
83	0.03882	72 089	2 798	70 713	695 067	9.64
84	0.04455	69 290	3 087	67 772	624 354	9.01
85	0.05134	66 204	3 399	64 530	556 582	8.41
86	0.05901	62 804	3 706	60 976	492 051	7.83
87	0.06751	59 098	3 990	57 126	431 075	7.29
88	0.07682	55 108	4 233	53 010	373 950	6.79
89	0.08713	50 875	4 433	48 674	320 939	6.31
90	0.09868	46 443	4 583	44 161	272 266	5.86
91	0.11182	41 859	4 681	39 524	228 104	5.45
92	0.12590	37 179	4 681	34 833	188 580	5.07
93	0.13948	32 498	4 533	30 215	153 748	4.73
94	0.15379	27 965	4 301	25 792	123 533	4.42
95	0.16841	23 664	3 985	21 642	97 741	4.13
96	0.18336	19 679	3 608	17 841	76 099	3.87
97	0.19861	16 071	3 192	14 439	58 257	3.63
98	0.21417	12 879	2 758	11 463	43 818	3.40
99	0.23003	10 121	2 328	8 921	32 355	3.20
100	0.24618	7 793	1 918	6 800	23 434	3.01
101	0.26262	5 874	1 543	5 073	16 633	2.83
102	0.27934	4 331	1 210	3 701	11 560	2.67
103	0.29632	3 122	925	2 637	7 859	2.52
104	0.31355	2 197	689	1 834	5 222	2.38
105-	1.00000	1 508	1 508	3 388	3 388	2.25