Abridged Life Tables for Japan 2022

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Ⅰ. Life expectancies at specified ages

In the abridged life tables 2022, life expectancy at birth was 81.05 years for males, decreasing by 0.42 from 81.47 in 2021, and 87.09 for females, decreasing by 0.49 from 87.57.

The difference in life expectancy at birth between males and females was 6.03 years, decreased by 0.07 years from 2021 to 2022.

Life expectancies at specified ages decreased for both males and females from 2021 to 2022.

Table 1. Life expectancies at specified ages

(years)

Age	Male			Female		
	2022	2021	Difference	2022	2021	Difference
0	81.05	81.47	△ 0.42	87.09	87.57	△ 0.49
5	76.25	76.67	△ 0.42	82.28	82.76	△ 0.48
10	71.28	71.70	△ 0.42	77.30	77.78	△ 0.48
15	66.31	66.73	△ 0.42	72.33	72.81	△ 0.48
20	61.39	61.81	△ 0.42	67.39	67.87	△ 0.48
25	56.53	56.95	△ 0.42	62.48	62.95	△ 0.47
30	51.66	52.09	△ 0.43	57.56	58.03	△ 0.47
35	46.80	47.23	△ 0.43	52.65	53.13	△ 0.47
40	41.97	42.40	△ 0.43	47.77	48.24	△ 0.46
45	37.20	37.62	△ 0.42	42.93	43.39	△ 0.46
50	32.51	32.93	△ 0.42	38.16	38.61	△ 0.45
55	27.97	28.39	△ 0.43	33.46	33.91	△ 0.45
60	23.59	24.02	△ 0.43	28.84	29.28	△ 0.45
65	19.44	19.85	△ 0.41	24.30	24.73	△ 0.43
70	15.56	15.96	△ 0.41	19.89	20.31	△ 0.42
75	12.04	12.42	△ 0.38	15.67	16.08	△ 0.41
80	8.89	9.22	△ 0.33	11.74	12.12	△ 0.38
85	6.20	6.48	△ 0.29	8.28	8.60	△ 0.32
90	4.14	4.38	△ 0.24	5.47	5.74	△ 0.27

Table 2. Trend of life expectancies at birth

(years)

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
2005	78.56	85.52	6.96
2010	79.55	86.30	6.75
2015	80.75	86.99	6.24
2020	81.56	87.71	6.15
2021	81.47	87.57	6.10
2022	81.05	87.09	6.03

Notes: 1. Data of 1947-2020 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 2022, the number of survivors at age 65 was 89,573 for males per 100,000 hypothetical cohort and 94,361 for females. This means that the survival rate at age 65 was 89.6% for males and 94.4% for females. In the same way, it followed that the survival rate at age 75 was 75.3% for males and 87.9% for females, and the survival rate at age 90 was 25.5% for males and 49.8% for females.

The median length of life, which means the age when exactly half of the cohort remains alive, was 83.93 years for males and 89.96 years for females, which was 2.88 years longer than the life expectancy for males and 2.88 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
2015	98.2	88.8	74.6	24.9	8.6	99.0	94.2	87.7	49.1	24.5
2020	98.4	89.7	76.0	28.1	10.5	99.0	94.6	88.4	52.6	27.9
2021	98.4	89.8	76.0	27.5	10.1	99.0	94.6	88.3	52.0	27.1
2022	98.4	89.6	75.3	25.5	8.7	98.9	94.4	87.9	49.8	25.0

Notes: 1. Data of 1947-2020 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
2015	83.76	80.75	3.01	89.79	86.99	2.80
2020	84.51	81.56	2.95	90.55	87.71	2.84
2021	84.39	81.47	2.92	90.42	87.57	2.85
2022	83.93	81.05	2.88	89.96	87.09	2.88

Notes: 1. Data of 1947-2020 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	2022	81.05	87.09	12 203
AFRICA	Algeria	2019*	77.2	78.6	4 423
	Democratic Republic of the Congo	2018*	56.5	59.7	10 525
	Egypt	2022	69.7	74.1	10 206
	South Africa	2020*	62.5	68.5	6 014
	Tunisia	2016	74.5	78.1	1 178
NORTH AMERICA	Canada	2018 － 2020	79.82	84.11	3 825
	Costa Rica	2021*	78.18	83.32	516
	Mexico	2022	72.6	78.4	12 897
	United States of America	2021	73.5	79.3	33 189
SOUTH AMERICA	Argentina	2020*	74.90	81.44	4 581
	Brazil	2021	73.56	80.52	21 332
	Chile	2021 － 2022*	78.29	83.78	1 968
	Colombia	2020 － 2021*	73.69	80.04	5 105
	Peru	2015 － 2020*	73.7	79.2	3 304
ASIA	Bangladesh	2020*	71.2	74.5	16 822
	China	2020	75.37	80.88	141 260
	Cyprus	2019	80.1	84.2	90
	India	2016 － 2020	68.6	71.4	136 717
	Indonesia	2022	69.93	73.83	27 268
	Iran	2016*	72.5	75.5	8 406
	Israel	2016 － 2020	80.80	84.68	922
	Malaysia	2022	71.3	75.8	3 266
	Philippines	2015 － 2020*	69.93	75.91	11 020
	Qatar	2020*	79.51	83.06	275
	Republic of Korea	2021	80.6	86.6	5 174
	Singapore	2022	80.7	85.2	545
	Thailand	2021	73.5	80.5	6 668
	Turkey	2017 － 2019*	75.94	81.30	8 415
EUROPE	Austria	2021	78.80	83.76	893
	Belgium	2021	79.24	84.03	1 155
	Czechia	2022	76.15	82.01	1 070
	Denmark	2021 － 2022	79.38	83.14	585
	Finland	2022	78.63	83.79	553
	France	2022	79.35	85.23	6 545
	Germany	2019 － 2021	78.54	83.38	8 316
	Greece	2020*	78.34	83.61	1 068
	Iceland	2022	80.9	83.8	37
	Italy	2022	80.482	84.781	5 924
	Netherlands	2021	79.68	82.99	1 748
	Norway	2022	80.92	84.35	539
	Poland	2021	71.75	79.68	3 784
	Russian Federation	2020	66.49	76.43	14 351
	Spain	2021	80.27	85.83	4 733
	Sweden	2022	81.34	84.73	1 038
	Switzerland	2022	81.6	85.4	870
	Ukraine	2018*	66.69	76.72	4 142
	United Kingdom	2018 － 2020	79.04	82.86	6 708
OCEANIA	Australia	2019 － 2021	81.30	85.41	2 574
	New Zealand	2020 － 2022	80.50	84.01	512

Reference: In Hong Kong of 2022, life expectancy at birth for males was 81.27 years and that for females was 87.16 years.
(Population: 741 ten thousands)

Note: Population in this table means estimated population in 2021 (in cases of Algeria, Bangladesh, Israel, United Kingdom 2020, and Russian Federation 2013).
On the other hand, population of Japan was estimated population at Oct.1, 2022.
*Data 「Demographic Yearbook 2021 U.N.」

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 2022, the mortality probability by malignant neoplasms is the highest with both males and females at age 0, heart diseases (excluding hypertensive heart diseases), senility, cerebrovascular disease, and pneumonia in males, followed by senility, heart disease (excluding hypertensive heart diseases), cerebrovascular disease, and pneumonia in females. At age 65, both males and females were less likely to die from malignant neoplasms than at age 0 and more likely to die from heart disease (excluding hypertensive heart diseases) and even more so at age 75 and 90 is higher.

The total of the mortality probabilities by malignant neoplasms, heart diseases (excluding hypertensive heart diseases) and cerebrovascular diseases was under 50 percent at all the ages for both males and females.

Table 6. Mortality probability by causes of death, 2022

（%）

Cause of death	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	26.30	19.34	26.16	17.72	23.49	15.50	14.43	9.02
Heart diseases (excluding hypertensive heart diseases)	14.28	15.79	14.31	16.32	14.50	16.76	15.94	17.61
Cerebrovascular diseases	6.55	6.97	6.48	7.05	6.46	7.11	5.67	6.70
Pneumonia	5.64	4.14	6.13	4.34	6.73	4.52	8.09	4.86
Accidents	3.08	2.38	2.88	2.33	2.89	2.30	2.75	1.92
Traffic accidents(regrouped)	0.29	0.14	0.16	0.10	0.13	0.09	0.05	0.03
Suicide	1.80	0.89	0.53	0.28	0.38	0.18	0.17	0.05
Chronic obstructive pulmonary disease	1.76	0.33	1.93	0.35	2.06	0.34	1.83	0.27
Renal failure	2.09	1.88	2.24	1.96	2.38	2.00	2.67	1.93
Aortic aneurysm and dissection	1.21	1.21	1.14	1.23	1.08	1.17	0.85	0.83
Diseases of liver	1.43	0.77	1.00	0.65	0.72	0.57	0.35	0.28
Diabetes mellitus	1.07	0.86	1.02	0.87	0.94	0.86	0.66	0.66
Hypertensive diseases	0.64	0.90	0.64	0.94	0.63	0.97	0.76	1.12
Tuberculosis	0.13	0.09	0.14	0.09	0.16	0.10	0.20	0.09
COVID-19	3.28	3.03	3.50	3.14	3.76	3.26	4.45	3.67
Senility	7.45	18.68	8.31	19.79	9.73	21.18	17.91	29.51
Malignant neoplasms, heart diseases (excluding hypertensive heart diseases) and cerebrovascular diseases (regrouped)	47.12	42.10	46.95	41.08	44.45	39.37	36.04	33.33

2. Potential years of life lost

If one cause of death is eliminated, then a person who died from that cause will die from another after the age at death by that cause. As a result, life expectancy increases. This extension of life, called the potential number of years lost, can be regarded as the lost life due to the cause of death and it is possible to estimate how much the cause affects life expectancy.

Looking at the increase in life expectancy when the specific cause of death in 2022 is eliminated, the main cause of death is that both male and female at age 0, 65, and 75 are malignant neoplasms, heart diseases (excluding hypertensive heart diseases), cerebrovascular diseases and pneumonia are in that order. At age 90 of age, heart diseases (excluding hypertensive heart diseases) is the largest in both male and female, then malignant neoplasms, in male pneumonia and cerebrovascular diseases in female, cerebrovascular diseases and pneumonia are in that order.

Potential years of life lost by malignant neoplasms, heart diseases (excluding hypertensive heart diseases) and cerebrovascular diseases was 6.11 years for males and 5.07 years for females at age 0, 4.97 years for males and 4.01 years for females at age 65, 3.70 years for males and 3.22 years for females at age 75, 1.48 years for males and 1.55 years for females at age 90.

Table 7. Potential years of life lost, 2022

(years)

Cause of death	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	3.19	2.74	2.62	1.89	1.80	1.29	0.50	0.37
Heart diseases (excluding hypertensive heart diseases)	1.41	1.19	1.09	1.11	0.89	1.04	0.54	0.71
Cerebrovascular diseases	0.66	0.58	0.50	0.50	0.40	0.45	0.18	0.25
Pneumonia	0.38	0.26	0.38	0.26	0.37	0.25	0.26	0.18
Accidents	0.38	0.25	0.21	0.18	0.17	0.15	0.09	0.07
Traffic accidents(regrouped)	0.08	0.03	0.02	0.01	0.01	0.01	0.00	0.00
Suicide	0.60	0.34	0.06	0.04	0.03	0.02	0.01	0.00
Chronic obstructive pulmonary disease	0.13	0.03	0.13	0.03	0.12	0.02	0.06	0.01
Renal failure	0.15	0.13	0.15	0.13	0.13	0.12	0.08	0.07
Aortic aneurysm and dissection	0.13	0.11	0.09	0.10	0.07	0.08	0.03	0.03
Diseases of liver	0.25	0.12	0.10	0.07	0.05	0.05	0.01	0.01
Diabetes mellitus	0.12	0.08	0.09	0.07	0.06	0.06	0.02	0.02
Hypertensive diseases	0.06	0.05	0.05	0.05	0.03	0.05	0.02	0.04
Tuberculosis	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
COVID-19	0.24	0.20	0.22	0.18	0.21	0.17	0.14	0.13
Malignant neoplasms, heart diseases (excluding hypertensive heart diseases) and cerebrovascular diseases	6.11	5.07	4.97	4.01	3.70	3.22	1.48	1.55

Table A. Abridged Life Tables for Japan, 2022

Male

age		probability of dying	number of survivors	number of deaths	stationary population		life expectancy
					number of person-years	total person-years	
x		$_nq_x$	l_x	$_nd_x$	$_nL_x$	T_x	$\overset{\circ}{e}_x$
0	(W)	0.00064	100 000	64	1 917	8 105 352	81.05
1		0.00007	99 936	7	1 916	8 103 435	81.09
2		0.00005	99 928	5	1 916	8 101 518	81.07
3		0.00006	99 923	6	1 916	8 099 602	81.06
4		0.00022	99 917	22	8 987	8 097 686	81.04
2	(M)	0.00016	99 895	16	8 324	8 088 699	80.97
3		0.00030	99 879	30	24 966	8 080 375	80.90
6		0.00033	99 849	33	49 916	8 055 409	80.68
0	(Y)	0.00184	100 000	184	99 859	8 105 352	81.05
1		0.00024	99 816	24	99 803	8 005 493	80.20
2		0.00017	99 792	17	99 784	7 905 690	79.22
3		0.00012	99 775	12	99 769	7 805 906	78.23
4		0.00009	99 763	9	99 759	7 706 137	77.24
5		0.00008	99 755	8	99 751	7 606 378	76.25
6		0.00007	99 747	7	99 744	7 506 627	75.26
7		0.00007	99 740	7	99 737	7 406 884	74.26
8		0.00006	99 734	6	99 731	7 307 147	73.27
9		0.00006	99 728	6	99 725	7 207 416	72.27
10		0.00006	99 722	6	99 719	7 107 692	71.28
11		0.00007	99 716	7	99 712	7 007 973	70.28
12		0.00008	99 709	8	99 705	6 908 260	69.28
13		0.00010	99 701	10	99 696	6 808 555	68.29
14		0.00013	99 691	13	99 685	6 708 859	67.30
15		0.00017	99 678	17	99 670	6 609 175	66.31
16		0.00022	99 660	22	99 650	6 509 505	65.32
17		0.00027	99 638	27	99 625	6 409 855	64.33
18		0.00032	99 611	32	99 596	6 310 230	63.35
19		0.00037	99 579	37	99 561	6 210 635	62.37
20		0.00043	99 542	43	99 521	6 111 073	61.39
21		0.00048	99 499	48	99 476	6 011 552	60.42
22		0.00050	99 452	49	99 427	5 912 077	59.45
23		0.00049	99 402	49	99 378	5 812 650	58.48
24		0.00047	99 354	47	99 330	5 713 272	57.50
25		0.00046	99 307	45	99 284	5 613 942	56.53
26		0.00046	99 261	45	99 239	5 514 658	55.56
27		0.00047	99 216	47	99 193	5 415 419	54.58
28		0.00048	99 169	48	99 145	5 316 226	53.61
29		0.00050	99 121	49	99 097	5 217 081	52.63
30		0.00052	99 072	51	99 047	5 117 984	51.66
31		0.00054	99 021	54	98 994	5 018 938	50.69
32		0.00057	98 967	56	98 939	4 919 943	49.71
33		0.00060	98 911	60	98 881	4 821 004	48.74
34		0.00064	98 851	63	98 820	4 722 123	47.77
35		0.00068	98 788	67	98 755	4 623 303	46.80
36		0.00072	98 721	71	98 686	4 524 549	45.83
37		0.00077	98 650	76	98 613	4 425 862	44.86
38		0.00083	98 574	82	98 534	4 327 250	43.90
39		0.00090	98 492	88	98 449	4 228 716	42.93
40		0.00097	98 404	96	98 357	4 130 268	41.97
41		0.00105	98 308	104	98 257	4 031 911	41.01
42		0.00114	98 205	112	98 149	3 933 654	40.06
43		0.00122	98 093	120	98 033	3 835 505	39.10
44		0.00130	97 973	128	97 910	3 737 471	38.15
45		0.00142	97 845	139	97 777	3 639 561	37.20
46		0.00159	97 706	156	97 630	3 541 784	36.25
47		0.00180	97 551	176	97 465	3 444 154	35.31
48		0.00201	97 375	196	97 279	3 346 690	34.37
49		0.00221	97 180	215	97 074	3 249 410	33.44

| age | probability of dying | number of survivors | number of deaths | stationary population | | life expectancy |
| | | | | number of person-years | total person-years | |
x	$_nq_x$	l_x	$_nd_x$	$_nL_x$	T_x	$\overset{\circ}{e}_x$
50	0.00242	96 965	235	96 849	3 152 337	32.51
51	0.00269	96 730	261	96 602	3 055 487	31.59
52	0.00300	96 469	290	96 327	2 958 886	30.67
53	0.00333	96 180	320	96 022	2 862 559	29.76
54	0.00368	95 859	353	95 686	2 766 537	28.86
55	0.00404	95 507	386	95 316	2 670 851	27.97
56	0.00442	95 120	421	94 913	2 575 535	27.08
57	0.00482	94 700	457	94 475	2 480 622	26.19
58	0.00527	94 243	497	93 998	2 386 148	25.32
59	0.00581	93 746	545	93 478	2 292 149	24.45
60	0.00645	93 202	601	92 906	2 198 671	23.59
61	0.00715	92 601	662	92 275	2 105 765	22.74
62	0.00787	91 939	723	91 582	2 013 490	21.90
63	0.00862	91 216	786	90 828	1 921 907	21.07
64	0.00947	90 429	856	90 007	1 831 079	20.25
65	0.01041	89 573	932	89 114	1 741 072	19.44
66	0.01147	88 641	1 017	88 140	1 651 959	18.64
67	0.01268	87 624	1 111	87 077	1 563 818	17.85
68	0.01405	86 514	1 215	85 915	1 476 741	17.07
69	0.01565	85 298	1 335	84 641	1 390 826	16.31
70	0.01742	83 963	1 463	83 243	1 306 184	15.56
71	0.01936	82 501	1 597	81 714	1 222 941	14.82
72	0.02146	80 903	1 736	80 047	1 141 228	14.11
73	0.02361	79 167	1 869	78 244	1 061 181	13.40
74	0.02587	77 298	2 000	76 310	982 937	12.72
75	0.02843	75 298	2 141	74 240	906 628	12.04
76	0.03137	73 158	2 295	72 024	832 387	11.38
77	0.03474	70 863	2 462	69 646	760 364	10.73
78	0.03863	68 401	2 643	67 095	690 718	10.10
79	0.04306	65 758	2 832	64 358	623 623	9.48
80	0.04777	62 926	3 006	61 438	559 265	8.89
81	0.05320	59 921	3 188	58 342	497 827	8.31
82	0.05968	56 733	3 386	55 057	439 484	7.75
83	0.06724	53 347	3 587	51 570	384 428	7.21
84	0.07592	49 760	3 778	47 886	332 858	6.69
85	0.08584	45 982	3 947	44 021	284 972	6.20
86	0.09705	42 035	4 079	40 004	240 951	5.73
87	0.10946	37 955	4 155	35 882	200 947	5.29
88	0.12323	33 801	4 165	31 716	165 065	4.88
89	0.13812	29 636	4 093	27 579	133 349	4.50
90	0.15399	25 542	3 933	23 559	105 770	4.14
91	0.17173	21 609	3 711	19 732	82 210	3.80
92	0.19110	17 898	3 420	16 161	62 478	3.49
93	0.21211	14 478	3 071	12 911	46 317	3.20
94	0.23485	11 407	2 679	10 034	33 406	2.93
95	0.25937	8 728	2 264	7 561	23 372	2.68
96	0.28573	6 464	1 847	5 506	15 811	2.45
97	0.31396	4 617	1 450	3 861	10 305	2.23
98	0.34404	3 168	1 090	2 595	6 444	2.03
99	0.37596	2 078	781	1 664	3 849	1.85
100	0.40965	1 297	531	1 013	2 186	1.69
101	0.44500	765	341	582	1 173	1.53
102	0.48183	425	205	313	591	1.39
103	0.51995	220	114	157	278	1.26
104	0.55906	106	59	73	121	1.15
105 −	1.00000	47	47	48	48	1.04

Table A. Abridged Life Tables for Japan, 2022

Female

age		probability of dying	number of survivors	number of deaths	stationary population		life expectancy
					number of person-years	total person-years	°
x		$_nq_x$	l_x	$_nd_x$	$_nL_x$	T_x	$\overset{\circ}{e}_x$
0	(W)	0.00056	100 000	56	1 917	8 708 527	87.09
1		0.00008	99 944	8	1 917	8 706 610	87.12
2		0.00004	99 936	4	1 917	8 704 694	87.10
3		0.00007	99 932	7	1 916	8 702 777	87.09
4		0.00016	99 925	16	8 988	8 700 861	87.07
2	(M)	0.00013	99 909	13	8 325	8 691 873	87.00
3		0.00028	99 895	28	24 970	8 683 548	86.93
6		0.00030	99 867	30	49 925	8 658 578	86.70
0	(Y)	0.00163	100 000	163	99 875	8 708 527	87.09
1		0.00024	99 837	23	99 824	8 608 653	86.23
2		0.00016	99 813	16	99 806	8 508 829	85.25
3		0.00011	99 797	11	99 792	8 409 023	84.26
4		0.00008	99 787	8	99 783	8 309 231	83.27
5		0.00006	99 779	6	99 776	8 209 449	82.28
6		0.00006	99 773	6	99 770	8 109 673	81.28
7		0.00006	99 767	6	99 764	8 009 903	80.29
8		0.00006	99 761	6	99 758	7 910 139	79.29
9		0.00006	99 755	6	99 752	7 810 381	78.30
10		0.00006	99 750	5	99 747	7 710 629	77.30
11		0.00006	99 744	6	99 741	7 610 882	76.30
12		0.00007	99 738	7	99 735	7 511 141	75.31
13		0.00008	99 732	8	99 728	7 411 405	74.31
14		0.00011	99 723	11	99 718	7 311 678	73.32
15		0.00014	99 712	14	99 706	7 211 960	72.33
16		0.00016	99 699	16	99 691	7 112 254	71.34
17		0.00018	99 682	18	99 673	7 012 563	70.35
18		0.00020	99 664	20	99 654	6 912 890	69.36
19		0.00023	99 644	23	99 633	6 813 236	68.38
20		0.00025	99 621	25	99 609	6 713 603	67.39
21		0.00026	99 596	26	99 583	6 613 994	66.41
22		0.00027	99 570	27	99 557	6 514 411	65.43
23		0.00027	99 543	27	99 530	6 414 854	64.44
24		0.00026	99 517	26	99 503	6 315 324	63.46
25		0.00026	99 490	26	99 477	6 215 821	62.48
26		0.00027	99 464	26	99 451	6 116 344	61.49
27		0.00027	99 437	27	99 424	6 016 893	60.51
28		0.00028	99 410	28	99 397	5 917 469	59.53
29		0.00030	99 382	30	99 368	5 818 073	58.54
30		0.00032	99 353	32	99 337	5 718 705	57.56
31		0.00033	99 321	33	99 305	5 619 368	56.58
32		0.00034	99 288	33	99 272	5 520 064	55.60
33		0.00035	99 255	35	99 238	5 420 792	54.61
34		0.00038	99 220	37	99 202	5 321 554	53.63
35		0.00041	99 183	41	99 163	5 222 352	52.65
36		0.00045	99 142	45	99 120	5 123 189	51.68
37		0.00048	99 098	48	99 074	5 024 068	50.70
38		0.00051	99 050	51	99 025	4 924 994	49.72
39		0.00055	98 999	55	98 972	4 825 969	48.75
40		0.00060	98 945	59	98 916	4 726 997	47.77
41		0.00065	98 886	64	98 854	4 628 081	46.80
42		0.00070	98 822	70	98 787	4 529 227	45.83
43		0.00076	98 752	75	98 715	4 430 440	44.86
44		0.00082	98 677	81	98 636	4 331 725	43.90
45		0.00089	98 595	88	98 552	4 233 089	42.93
46		0.00098	98 507	97	98 460	4 134 537	41.97
47		0.00110	98 410	108	98 357	4 036 077	41.01
48		0.00123	98 302	121	98 243	3 937 720	40.06
49		0.00136	98 182	133	98 116	3 839 477	39.11

| age | probability of dying | number of survivors | number of deaths | stationary population | | life expectancy |
| | | | | number of person-years | total person-years | |
x	$_nq_x$	l_x	$_nd_x$	$_nL_x$	T_x	$\overset{\circ}{e}_x$
50	0.00146	98 049	143	97 978	3 741 361	38.16
51	0.00157	97 905	153	97 829	3 643 383	37.21
52	0.00168	97 752	164	97 671	3 545 554	36.27
53	0.00182	97 588	177	97 500	3 447 883	35.33
54	0.00197	97 410	192	97 315	3 350 383	34.39
55	0.00213	97 218	207	97 116	3 253 068	33.46
56	0.00227	97 011	221	96 902	3 155 953	32.53
57	0.00242	96 790	234	96 674	3 059 051	31.60
58	0.00257	96 556	248	96 433	2 962 377	30.68
59	0.00274	96 308	263	96 177	2 865 943	29.76
60	0.00294	96 044	282	95 905	2 769 766	28.84
61	0.00320	95 762	306	95 612	2 673 861	27.92
62	0.00351	95 456	335	95 291	2 578 249	27.01
63	0.00384	95 121	365	94 941	2 482 958	26.10
64	0.00416	94 756	394	94 561	2 388 017	25.20
65	0.00446	94 362	421	94 154	2 293 456	24.30
66	0.00480	93 941	451	93 718	2 199 302	23.41
67	0.00524	93 490	490	93 248	2 105 584	22.52
68	0.00577	92 999	537	92 735	2 012 336	21.64
69	0.00636	92 463	588	92 173	1 919 601	20.76
70	0.00701	91 874	644	91 557	1 827 428	19.89
71	0.00777	91 230	709	90 881	1 735 871	19.03
72	0.00871	90 521	788	90 134	1 644 989	18.17
73	0.00977	89 733	876	89 302	1 554 855	17.33
74	0.01091	88 857	969	88 380	1 465 553	16.49
75	0.01219	87 887	1 071	87 361	1 377 173	15.67
76	0.01363	86 816	1 184	86 234	1 289 812	14.86
77	0.01536	85 633	1 315	84 987	1 203 578	14.06
78	0.01747	84 317	1 473	83 595	1 118 591	13.27
79	0.02001	82 844	1 658	82 032	1 034 996	12.49
80	0.02292	81 186	1 861	80 274	952 964	11.74
81	0.02635	79 325	2 090	78 301	872 691	11.00
82	0.03041	77 235	2 348	76 084	794 390	10.29
83	0.03515	74 887	2 632	73 595	718 306	9.59
84	0.04061	72 255	2 934	70 813	644 711	8.92
85	0.04685	69 320	3 247	67 723	573 898	8.28
86	0.05400	66 073	3 568	64 316	506 175	7.66
87	0.06237	62 505	3 899	60 584	441 859	7.07
88	0.07225	58 606	4 234	56 517	381 275	6.51
89	0.08364	54 372	4 547	52 122	324 758	5.97
90	0.09644	49 824	4 805	47 440	272 636	5.47
91	0.11027	45 020	4 964	42 547	225 196	5.00
92	0.12588	40 055	5 042	37 538	182 649	4.56
93	0.14442	35 013	5 057	32 483	145 111	4.14
94	0.16640	29 956	4 985	27 454	112 629	3.76
95	0.19216	24 972	4 799	22 549	85 175	3.41
96	0.21731	20 173	4 384	17 940	62 626	3.10
97	0.24340	15 789	3 843	13 819	44 687	2.83
98	0.27042	11 946	3 230	10 278	30 868	2.58
99	0.29831	8 716	2 600	7 364	20 590	2.36
100	0.32703	6 116	2 000	5 068	13 226	2.16
101	0.35652	4 116	1 467	3 341	8 158	1.98
102	0.38671	2 648	1 024	2 103	4 817	1.82
103	0.41750	1 624	678	1 260	2 714	1.67
104	0.44881	946	425	716	1 454	1.54
105 −	1.00000	521	521	738	738	1.41