Abridged Life Tables for Japan 2023

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I. Life expectancies at specified ages

In the abridged life tables 2023, life expectancy at birth was 81.09 years for males, increased by.0.04 from.81.05 in 2022, and 87.14 for females, increased by 0.05 from 87.14.

The difference in life expectancy at birth between males and females was 6.05 years, increased by.0.01 years from 2022 to 2023.

Life expectancies at specified ages increased for both males and females from 2022 to 2023.

Table 1. Life expectancies at specified ages

(years)

Age	Male			Female		
	2023	2022	Difference	2023	2022	Difference
0	81.09	81.05	0.04	87.14	87.09	0.05
5	76.30	76.25	0.05	82.35	82.28	0.07
10	71.33	71.28	0.05	77.37	77.30	0.07
15	66.36	66.31	0.06	72.40	72.33	0.08
20	61.45	61.39	0.06	67.48	67.39	0.08
25	56.59	56.53	0.05	62.57	62.48	0.09
30	51.72	51.66	0.07	57.65	57.56	0.09
35	46.87	46.80	0.07	52.74	52.65	0.08
40	42.06	41.97	0.08	47.85	47.77	0.08
45	37.28	37.20	0.09	43.01	42.93	0.08
50	32.60	32.51	0.09	38.23	38.16	0.07
55	28.05	27.97	0.09	33.54	33.46	0.08
60	23.68	23.59	0.09	28.91	28.84	0.08
65	19.52	19.44	0.09	24.38	24.30	0.07
70	15.65	15.56	0.09	19.96	19.89	0.07
75	12.13	12.04	0.09	15.74	15.67	0.07
80	8.98	8.89	0.09	11.81	11.74	0.07
85	6.29	6.20	0.10	8.33	8.28	0.06
90	4.22	4.14	0.08	5.53	5.47	0.06

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
2023	81.09	87.14	6.05

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 2023, the number of survivors at age 65 was.89,524 for males per 100,000 hypothetical cohort and 94,371 for females. This means that the survival rate at age 65 was 89.5% 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 26.0% for males and 50.1% for females.

The median length of life, which means the age when exactly half of the cohort remains alive, was 83.99 years for males and90.02 years for females, which was.2.90 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
2023	98.3	89.5	75.3	26.0	9.2	98.9	94.4	87.9	50.1	25.5

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
2023	83.99	81.09	2.90	90.02	87.14	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		2023	81.09	87.14	12 119
AFRICA	Algeria	2019*	77.2	78.6	4 423
	Democratic Republic of the Congo	2018*	56.5	59.7	10 525
	Egypt	2023	68.8	73.8	10 361
	South Africa	2022*	60.0	65.6	6 060
	Tunisia	2022	74.7	79.3	1 178
NORTH AMERICA	Canada	2020 - 2022	79.28	83.84	3 893
	Costa Rica	2022*	78.312	83.461	521
	Mexico	2023	72.3	78.6	13 012
	United States of America	2022	74.8	80.2	33 329
SOUTH AMERICA	Argentina	2020*	74.9	81.44	4 624
	Brazil	2022	71.96	78.95	21 483
	Chile	2022 - 2023*	78.497	83.956	1 983
	Colombia	2021 - 2022*	72.07	78.52	5 168
	Peru	2022*	74.4	79.7	3 340
ASIA	Bangladesh	2020*	71.2	74.5	17 173
	China	2020	75.37	80.88	141 175
	Cyprus	2022	79.6	83.3	90
	India	2016 - 2020	68.6	71.4	136 717
	Indonesia	2023	70.17	74.18	27 577
	Iran	2016*	72.5	75.5	8 470
	Israel	2017 - 2021	80.781	84.747	937
	Malaysia	2023	72.5	77.4	3 265
	Philippines	2015 - 2020*	69.93	75.91	11 157
	Qatar	2021	79.97	83.4	279
	Republic of Korea	2022	79.9	85.6	5 163
	Singapore	2022	80.7	85.2	564
	Thailand	2022	73.6	80.7	6 681
	Turkey	2017 - 2019*	75.94	81.297	8 498
EUROPE	Austria	2022	79.05	83.78	898
	Belgium	2022	79.55	83.78	1 162
	Czechia	2023	76.89	82.78	1 052
	Denmark	2022 - 2023	79.58	83.44	587
	Finland	2023	78.96	84.19	555
	France	2023	80.03	85.75	6 565
	Germany	2020 - 2022	78.33	83.18	8 324
	Greece	2020*	78.34	83.606	1 046
	Iceland	2022	80.9	83.8	38
	Italy	2023	81.09	85.225	5 903
	Netherlands	2022	80.1	83.09	1 759
	Norway	2023	81.39	84.63	543
	Poland	2022	73.42	81.06	3 765
	Russian Federation	2022	67.57	77.77	14 686
	Spain	2022	80.36	85.74	4 743
	Sweden	2023	81.58	84.9	1 045
	Switzerland	2023	82.3	85.9	874
	Ukraine	2021*	65.16	74.36	4 100
	United Kingdom	2020 - 2022	78.57	82.57	6 703
OCEANIA	Australia	2020 - 2022	81.22	85.26	2 598
	New Zealand	2021 - 2023	80.25	83.73	512

Reference: In Hong Kong of 2023, life expectancy at birth for males was 82.49 years and that for females was 87.91 years.
(Population: 735 ten thousands)

Note: Population in this table means estimated population in 2022 (in cases of Democratic Republic of the Congo, Tunisia, India, Israel, Russian Federation, Switzerland, United Kingdom and New Zealand 2021, and Algeria 2020).
On the other hand, population of Japan was estimated population at Oct.1, 2023.
*Data「Demographic Yearbook 2022 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 2023, at age 0, the mortality probability by malignant neoplasms is the highest in males, followed by heart diseases (excluding hypertensive heart diseases), senility, cerebrovascular disease, and pneumonia., And senility is the highest in females, followed by malignant neoplasms, heart disease (excluding hypertensive heart diseases), cerebrovascular disease, and pneumonia. 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 senility 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, 2023

(%)

Cause of death	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	25.93	19.09	25.87	17.53	23.26	15.37	14.15	8.96
Heart diseases (excluding hypertensive heart diseases)	14.24	15.44	14.24	15.95	14.41	16.38	15.86	17.23
Cerebrovascular diseases	6.30	6.73	6.21	6.78	6.16	6.81	5.28	6.38
Pneumonia	5.68	4.24	6.18	4.44	6.76	4.62	8.08	4.92
Accidents	3.20	2.38	2.99	2.34	2.99	2.31	2.91	1.94
Traffic accidents(regrouped)	0.31	0.13	0.16	0.10	0.13	0.09	0.05	0.03
Suicide	1.81	0.87	0.52	0.26	0.37	0.17	0.17	0.05
Chronic obstructive pulmonary disease	1.77	0.33	1.94	0.34	2.05	0.33	1.81	0.26
Renal failure	2.04	1.82	2.18	1.89	2.32	1.93	2.57	1.85
Aortic aneurysm and dissection	1.19	1.22	1.12	1.25	1.05	1.20	0.86	0.84
Diseases of liver	1.40	0.76	0.98	0.65	0.70	0.56	0.32	0.29
Diabetes mellitus	1.03	0.84	0.99	0.84	0.91	0.82	0.63	0.66
Hypertensive diseases	0.63	0.87	0.63	0.90	0.62	0.94	0.74	1.07
Tuberculosis	0.12	0.08	0.13	0.09	0.15	0.09	0.19	0.08
COVID-19	2.64	2.37	2.84	2.46	3.05	2.54	3.65	2.79
Senility	7.93	19.61	8.85	20.77	10.36	22.22	18.79	30.64
Malignant neoplasms, heart diseases (excluding hypertensive heart diseases) and cerebrovascular diseases (regrouped)	46.47	41.26	46.32	40.27	43.83	38.56	35.29	32.57

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 2023 is eliminated, by the main cause of death, malignant neoplasms is the largest in both males and females at age 0, followed by heart diseases (excluding hypertensive heart diseases) and cerebrovascular disease in males, and heart diseases (excluding hypertensive heart diseases) and senility in females. At age 90, senility is the largest in both males and females, followed by heart diseases (excluding hypertensive heart diseases) and malignant neoplasms.

Potential years of life lost by malignant neoplasms, heart diseases (excluding hypertensive heart diseases) and cerebrovascular diseases was 6.06 years for males and.4.96 years for females at age 0, 4.93 years for males and 3.93 years for females at age 65, 3.67 years for males and 3.15 years for females at age 75, 1.47 years for males and 1.51 years for females at age 90.

Table 7. Potential years of life lost, 2023

(years)

Cause of death	Age 0		Age 65		Age 75		Age 90	
	Male	Female	Male	Female	Male	Female	Male	Female
Malignant neoplasms	3.16	2.69	2.61	1.87	1.80	1.28	0.50	0.37
Heart diseases (excluding hypertensive heart diseases)	1.42	1.17	1.09	1.09	0.89	1.02	0.55	0.69
Cerebrovascular diseases	0.65	0.57	0.49	0.49	0.39	0.43	0.17	0.24
Pneumonia	0.39	0.27	0.39	0.27	0.38	0.26	0.26	0.18
Accidents	0.40	0.25	0.22	0.18	0.18	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	0.14	0.03	0.13	0.02	0.06	0.01
Renal failure	0.15	0.13	0.14	0.13	0.13	0.12	0.08	0.07
Aortic aneurysm and dissection	0.13	0.11	0.09	0.10	0.07	0.09	0.03	0.03
Diseases of liver	0.24	0.11	0.10	0.07	0.05	0.05	0.01	0.01
Diabetes mellitus	0.12	0.08	0.08	0.07	0.06	0.05	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	0.19	0.16	0.18	0.15	0.17	0.14	0.11	0.10
Senility	0.39	1.11	0.44	1.18	0.50	1.25	0.66	1.43
Malignant neoplasms, heart diseases (excluding hypertensive heart diseases) and cerebrovascular diseases	6.06	4.96	4.93	3.93	3.67	3.15	1.47	1.51

Table A. Abridged Life Tables for Japan, 2023

Male

age x	probability of dying ${}_nq_x$	number of survivors l_x	number of deaths ${}_nd_x$	stationary population: number of person-years ${}_nL_x$	stationary population: total person-years T_x	life expectancy $\overset{\circ}{e}_x$
0 (W)	0.00065	100 000	65	1 917	8 109 417	81.09
1	0.00007	99 935	7	1 916	8 107 500	81.13
2	0.00007	99 928	7	1 916	8 105 584	81.11
3	0.00007	99 921	7	1 916	8 103 667	81.10
4	0.00017	99 914	17	8 987	8 101 751	81.09
2 (M)	0.00014	99 897	14	8 324	8 092 764	81.01
3	0.00035	99 883	34	24 966	8 084 440	80.94
6	0.00032	99 848	32	49 914	8 059 474	80.72
0 (Y)	0.00184	100 000	184	99 857	8 109 417	81.09
1	0.00027	99 816	27	99 803	8 009 560	80.24
2	0.00020	99 789	20	99 780	7 909 757	79.26
3	0.00014	99 769	14	99 762	7 809 977	78.28
4	0.00011	99 755	11	99 750	7 710 215	77.29
5	0.00009	99 744	9	99 740	7 610 466	76.30
6	0.00008	99 736	8	99 732	7 510 726	75.31
7	0.00007	99 728	7	99 724	7 410 994	74.31
8	0.00007	99 720	7	99 717	7 311 270	73.32
9	0.00006	99 713	6	99 710	7 211 553	72.32
10	0.00006	99 707	6	99 704	7 111 843	71.33
11	0.00007	99 701	7	99 697	7 012 140	70.33
12	0.00009	99 693	9	99 689	6 912 442	69.34
13	0.00012	99 685	12	99 679	6 812 753	68.34
14	0.00015	99 673	15	99 666	6 713 074	67.35
15	0.00018	99 658	18	99 650	6 613 408	66.36
16	0.00022	99 640	22	99 630	6 513 759	65.37
17	0.00027	99 618	27	99 605	6 414 129	64.39
18	0.00032	99 592	32	99 576	6 314 524	63.40
19	0.00038	99 560	37	99 541	6 214 948	62.42
20	0.00043	99 522	42	99 501	6 115 406	61.45
21	0.00046	99 480	45	99 457	6 015 905	60.47
22	0.00047	99 434	47	99 411	5 916 448	59.50
23	0.00048	99 387	48	99 363	5 817 037	58.53
24	0.00049	99 339	49	99 315	5 717 674	57.56
25	0.00050	99 290	50	99 265	5 618 359	56.59
26	0.00051	99 240	50	99 215	5 519 094	55.61
27	0.00051	99 190	51	99 164	5 419 879	54.64
28	0.00052	99 139	51	99 113	5 320 715	53.67
29	0.00054	99 088	53	99 061	5 221 601	52.70
30	0.00055	99 035	54	99 008	5 122 540	51.72
31	0.00056	98 981	55	98 953	5 023 532	50.75
32	0.00058	98 925	58	98 897	4 924 579	49.78
33	0.00062	98 868	61	98 838	4 825 682	48.81
34	0.00068	98 806	67	98 774	4 726 844	47.84
35	0.00073	98 740	72	98 704	4 628 071	46.87
36	0.00077	98 668	76	98 630	4 529 367	45.91
37	0.00082	98 591	81	98 551	4 430 737	44.94
38	0.00089	98 510	87	98 467	4 332 186	43.98
39	0.00096	98 423	94	98 377	4 233 719	43.02
40	0.00102	98 329	100	98 279	4 135 342	42.06
41	0.00108	98 229	106	98 176	4 037 063	41.10
42	0.00113	98 123	111	98 068	3 938 887	40.14
43	0.00121	98 011	119	97 953	3 840 819	39.19
44	0.00132	97 893	130	97 829	3 742 866	38.23
45	0.00147	97 763	143	97 693	3 645 037	37.28
46	0.00162	97 620	158	97 542	3 547 344	36.34
47	0.00179	97 462	175	97 376	3 449 802	35.40
48	0.00198	97 287	193	97 192	3 352 426	34.46
49	0.00220	97 094	213	96 989	3 255 234	33.53

Male

age x	probability of dying ${}_nq_x$	number of survivors l_x	number of deaths ${}_nd_x$	stationary population: number of person-years ${}_nL_x$	stationary population: total person-years T_x	life expectancy $\mathring{e}_x$
50	0.00243	96 881	235	96 765	3 158 245	32.60
51	0.00269	96 646	260	96 518	3 061 479	31.68
52	0.00299	96 385	288	96 244	2 964 962	30.76
53	0.00329	96 097	317	95 941	2 868 718	29.85
54	0.00363	95 781	347	95 610	2 772 777	28.95
55	0.00399	95 433	381	95 246	2 677 167	28.05
56	0.00440	95 052	419	94 846	2 581 921	27.16
57	0.00484	94 634	458	94 408	2 487 075	26.28
58	0.00530	94 176	499	93 930	2 392 667	25.41
59	0.00579	93 677	542	93 409	2 298 737	24.54
60	0.00633	93 135	590	92 844	2 205 328	23.68
61	0.00700	92 545	648	92 226	2 112 484	22.83
62	0.00780	91 897	717	91 545	2 020 258	21.98
63	0.00867	91 180	790	90 791	1 928 713	21.15
64	0.00957	90 390	865	89 963	1 837 922	20.33
65	0.01049	89 524	939	89 061	1 747 959	19.52
66	0.01148	88 586	1 017	88 084	1 658 897	18.73
67	0.01263	87 568	1 106	87 023	1 570 814	17.94
68	0.01397	86 462	1 208	85 867	1 483 790	17.16
69	0.01550	85 254	1 322	84 603	1 397 923	16.40
70	0.01724	83 932	1 447	83 220	1 313 320	15.65
71	0.01913	82 486	1 578	81 708	1 230 100	14.91
72	0.02125	80 907	1 719	80 060	1 148 393	14.19
73	0.02361	79 188	1 870	78 266	1 068 333	13.49
74	0.02601	77 318	2 011	76 324	990 067	12.81
75	0.02839	75 307	2 138	74 248	913 743	12.13
76	0.03109	73 169	2 275	72 043	839 495	11.47
77	0.03432	70 894	2 433	69 691	767 451	10.83
78	0.03820	68 460	2 615	67 169	697 760	10.19
79	0.04270	65 845	2 812	64 456	630 592	9.58
80	0.04773	63 033	3 009	61 545	566 136	8.98
81	0.05294	60 025	3 178	58 450	504 591	8.41
82	0.05891	56 847	3 349	55 187	446 141	7.85
83	0.06605	53 498	3 534	51 747	390 954	7.31
84	0.07449	49 964	3 722	48 119	339 207	6.79
85	0.08414	46 243	3 891	44 310	291 088	6.29
86	0.09494	42 352	4 021	40 351	246 778	5.83
87	0.10708	38 331	4 105	36 284	206 427	5.39
88	0.12056	34 227	4 126	32 163	170 144	4.97
89	0.13556	30 100	4 080	28 053	137 981	4.58
90	0.15182	26 020	3 950	24 029	109 928	4.22
91	0.16762	22 069	3 699	20 196	85 899	3.89
92	0.18601	18 370	3 417	16 636	65 703	3.58
93	0.20610	14 953	3 082	13 382	49 067	3.28
94	0.22798	11 871	2 706	10 486	35 684	3.01
95	0.25176	9 165	2 307	7 977	25 199	2.75
96	0.27750	6 858	1 903	5 873	17 221	2.51
97	0.30524	4 955	1 512	4 167	11 349	2.29
98	0.33502	3 442	1 153	2 837	7 182	2.09
99	0.36683	2 289	840	1 845	4 344	1.90
100	0.40062	1 449	581	1 140	2 499	1.72
101	0.43630	869	379	665	1 359	1.56
102	0.47370	490	232	364	695	1.42
103	0.51261	258	132	185	331	1.28
104	0.55275	126	69	87	146	1.16
105 -	1.00000	56	56	59	59	1.05

Table A. Abridged Life Tables for Japan, 2023

Female

age x	probability of dying ${}_nq_x$	number of survivors l_x	number of deaths ${}_nd_x$	stationary population: number of person-years ${}_nL_x$	stationary population: total person-years T_x	life expectancy $\overset{\circ}{e}_x$
0 (W)	0.00061	100 000	61	1 917	8 713 993	87.14
1	0.00008	99 939	8	1 917	8 712 076	87.17
2	0.00006	99 932	6	1 916	8 710 160	87.16
3	0.00004	99 926	4	1 916	8 708 243	87.15
4	0.00018	99 922	18	8 988	8 706 327	87.13
2 (M)	0.00011	99 904	11	8 325	8 697 339	87.06
3	0.00034	99 893	34	24 969	8 689 014	86.98
6	0.00033	99 858	33	49 918	8 664 045	86.76
0 (Y)	0.00175	100 000	175	99 866	8 713 993	87.14
1	0.00024	99 825	24	99 813	8 614 127	86.29
2	0.00018	99 802	18	99 793	8 514 314	85.31
3	0.00013	99 784	13	99 777	8 414 521	84.33
4	0.00010	99 771	10	99 766	8 314 743	83.34
5	0.00008	99 761	8	99 757	8 214 977	82.35
6	0.00007	99 753	7	99 749	8 115 220	81.35
7	0.00006	99 746	6	99 743	8 015 471	80.36
8	0.00006	99 740	6	99 737	7 915 728	79.36
9	0.00006	99 734	6	99 731	7 815 992	78.37
10	0.00006	99 728	6	99 725	7 716 261	77.37
11	0.00007	99 722	7	99 718	7 616 536	76.38
12	0.00008	99 715	8	99 711	7 516 818	75.38
13	0.00010	99 707	9	99 703	7 417 107	74.39
14	0.00012	99 698	12	99 692	7 317 404	73.40
15	0.00015	99 686	14	99 679	7 217 712	72.40
16	0.00018	99 672	18	99 663	7 118 033	71.41
17	0.00021	99 654	20	99 644	7 018 370	70.43
18	0.00023	99 633	23	99 622	6 918 726	69.44
19	0.00026	99 610	26	99 597	6 819 104	68.46
20	0.00027	99 584	27	99 571	6 719 507	67.48
21	0.00028	99 557	28	99 543	6 619 936	66.49
22	0.00028	99 529	28	99 515	6 520 393	65.51
23	0.00029	99 501	28	99 487	6 420 878	64.53
24	0.00028	99 473	28	99 459	6 321 390	63.55
25	0.00028	99 445	28	99 431	6 221 932	62.57
26	0.00027	99 417	27	99 403	6 122 501	61.58
27	0.00026	99 389	26	99 376	6 023 098	60.60
28	0.00026	99 363	26	99 350	5 923 722	59.62
29	0.00027	99 337	27	99 324	5 824 372	58.63
30	0.00028	99 310	28	99 296	5 725 048	57.65
31	0.00030	99 282	30	99 267	5 625 752	56.66
32	0.00032	99 252	32	99 236	5 526 485	55.68
33	0.00035	99 220	35	99 203	5 427 249	54.70
34	0.00038	99 186	38	99 167	5 328 045	53.72
35	0.00041	99 148	41	99 128	5 228 878	52.74
36	0.00043	99 107	43	99 086	5 129 750	51.76
37	0.00046	99 064	45	99 042	5 030 664	50.78
38	0.00049	99 019	48	98 995	4 931 622	49.80
39	0.00054	98 970	53	98 944	4 832 627	48.83
40	0.00059	98 917	59	98 888	4 733 683	47.85
41	0.00065	98 858	64	98 827	4 634 795	46.88
42	0.00070	98 794	69	98 760	4 535 968	45.91
43	0.00075	98 726	74	98 689	4 437 208	44.94
44	0.00081	98 652	79	98 613	4 338 519	43.98
45	0.00088	98 572	86	98 530	4 239 906	43.01
46	0.00095	98 486	94	98 440	4 141 376	42.05
47	0.00105	98 392	103	98 341	4 042 936	41.09
48	0.00116	98 289	114	98 233	3 944 595	40.13
49	0.00130	98 174	128	98 112	3 846 362	39.18

Female

age x	probability of dying ${}_nq_x$	number of survivors l_x	number of deaths ${}_nd_x$	stationary population: number of person-years ${}_nL_x$	stationary population: total person-years T_x	life expectancy $\mathring{e}_x$
50	0.00146	98 046	143	97 976	3 748 251	38.23
51	0.00160	97 904	157	97 826	3 650 275	37.28
52	0.00175	97 747	171	97 662	3 552 448	36.34
53	0.00188	97 576	183	97 485	3 454 786	35.41
54	0.00200	97 392	194	97 296	3 357 301	34.47
55	0.00211	97 198	205	97 096	3 260 005	33.54
56	0.00222	96 993	216	96 886	3 162 909	32.61
57	0.00237	96 777	230	96 664	3 066 022	31.68
58	0.00256	96 548	247	96 426	2 969 359	30.76
59	0.00278	96 301	267	96 169	2 872 933	29.83
60	0.00300	96 034	288	95 891	2 776 763	28.91
61	0.00322	95 746	309	95 593	2 680 872	28.00
62	0.00346	95 437	330	95 274	2 585 279	27.09
63	0.00372	95 107	354	94 932	2 490 005	26.18
64	0.00402	94 753	381	94 565	2 395 073	25.28
65	0.00437	94 371	412	94 168	2 300 509	24.38
66	0.00474	93 959	446	93 740	2 206 341	23.48
67	0.00519	93 514	486	93 274	2 112 601	22.59
68	0.00572	93 028	532	92 766	2 019 327	21.71
69	0.00633	92 496	585	92 208	1 926 561	20.83
70	0.00703	91 911	646	91 593	1 834 353	19.96
71	0.00781	91 265	713	90 914	1 742 760	19.10
72	0.00872	90 552	789	90 164	1 651 846	18.24
73	0.00978	89 763	878	89 331	1 561 682	17.40
74	0.01093	88 885	971	88 407	1 472 350	16.56
75	0.01215	87 913	1 068	87 388	1 383 943	15.74
76	0.01357	86 845	1 178	86 266	1 296 556	14.93
77	0.01532	85 667	1 312	85 023	1 210 289	14.13
78	0.01742	84 355	1 469	83 634	1 125 266	13.34
79	0.01988	82 885	1 647	82 077	1 041 632	12.57
80	0.02269	81 238	1 843	80 333	959 555	11.81
81	0.02581	79 394	2 049	78 388	879 222	11.07
82	0.02965	77 345	2 294	76 220	800 834	10.35
83	0.03438	75 052	2 580	73 787	724 613	9.65
84	0.04004	72 471	2 902	71 048	650 826	8.98
85	0.04654	69 569	3 237	67 979	579 778	8.33
86	0.05374	66 332	3 565	64 577	511 800	7.72
87	0.06202	62 767	3 893	60 848	447 223	7.13
88	0.07170	58 875	4 222	56 791	386 374	6.56
89	0.08305	54 653	4 539	52 408	329 584	6.03
90	0.09579	50 114	4 801	47 732	277 175	5.53
91	0.10970	45 314	4 971	42 838	229 443	5.06
92	0.12427	40 343	5 014	37 835	186 605	4.63
93	0.14063	35 329	4 968	32 839	148 770	4.21
94	0.16060	30 361	4 876	27 914	115 931	3.82
95	0.18687	25 485	4 762	23 087	88 017	3.45
96	0.21209	20 723	4 395	18 487	64 930	3.13
97	0.23876	16 328	3 898	14 333	46 443	2.84
98	0.26690	12 429	3 317	10 720	32 110	2.58
99	0.29647	9 112	2 701	7 710	21 390	2.35
100	0.32744	6 410	2 099	5 312	13 680	2.13
101	0.35974	4 311	1 551	3 493	8 368	1.94
102	0.39328	2 760	1 086	2 183	4 875	1.77
103	0.42794	1 675	717	1 290	2 692	1.61
104	0.46358	958	444	717	1 402	1.46
105 -	1.00000	514	514	685	685	1.33