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# **The 21st Life Tables**

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## Introduction

A life table considers a hypothetical cohort and assumes that it is subject to the age-specific mortality rates realized by an actual population for a particular period. For example, a life table for 2010 assumes a hypothetical cohort subject, throughout its lifetime, to the age-specific mortality rates realized by the actual population for 2010.

We hereby present the Complete Life Tables for Japan 2010. In Japan, the Ministry of Health, Labour and Welfare have prepared two series of life tables — the Complete and the Abridged Life Tables. The former have been constructed every five years based on the Annual Vital Statistics and the Population Census. The latter have been on the Provisional Annual Vital Statistics and the Population Estimates. The Complete Life Tables for Japan were first prepared for the period 1891-98 and the life tables presented here are the 21st ones.

## Trends of the life expectancies at selected ages

### Male

age	1st	2nd	3rd	4th	5th	6th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st
	1891-1898	1899-1903	1909-1913	1921-1925	1926-1930	1935-1936	1947	1950-1952	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010
0	42.8	43.97	44.25	42.06	44.82	46.92	50.06	59.57	63.60	65.32	67.74	69.31	71.73	73.35	74.78	75.92	76.38	77.72	78.56	79.55
1	49.2	51.11	51.61	49.14	51.07	51.95	53.74	62.14	65.37	66.56	68.16	69.35	71.53	72.96	74.22	75.30	75.73	76.99	77.79	78.75
2	50.5	52.04	52.97	50.62	52.35	52.92	54.57	61.86	64.74	65.81	67.31	68.47	70.63	72.03	73.28	74.36	74.78	76.03	76.83	77.78
3	51.0	52.41	53.23	50.96	52.54	53.02	54.63	61.42	64.04	65.00	66.42	67.55	69.70	71.09	72.33	73.40	73.82	75.06	75.85	76.80
4	51.0	52.31	53.02	50.81	52.33	52.74	54.23	60.82	63.27	64.15	65.51	66.62	68.75	70.14	71.36	72.43	72.85	74.08	74.87	75.81
5	50.7	51.90	52.57	50.35	51.85	52.22	53.61	60.10	62.45	63.26	64.57	65.67	67.80	69.17	70.39	71.45	71.87	73.10	73.88	74.82
10	47.5	48.23	48.82	46.53	47.93	48.25	49.49	55.68	57.89	58.57	59.80	60.85	62.94	64.28	65.47	66.53	66.94	68.15	68.93	69.85
15	43.4	44.02	44.62	42.31	43.58	43.85	44.93	50.95	53.09	53.74	54.93	55.97	58.03	59.35	60.54	61.58	62.00	63.19	63.97	64.89
20	39.8	40.35	41.06	39.10	40.18	40.41	40.89	46.43	48.47	49.08	50.18	51.26	53.27	54.56	55.74	56.77	57.16	58.33	59.08	59.99
25	36.5	37.02	37.84	36.06	37.01	37.35	37.60	42.24	44.09	44.58	45.54	46.58	48.54	49.79	50.97	51.98	52.37	53.52	54.25	55.16
30	33.0	33.44	34.31	32.59	33.43	33.89	34.23	38.10	39.70	40.07	40.90	41.90	43.78	45.00	46.16	47.16	47.55	48.69	49.43	50.33
35	29.4	29.73	30.58	28.87	29.61	30.10	30.62	33.87	35.27	35.52	36.28	37.24	39.05	40.22	41.36	42.35	42.74	43.89	44.62	45.51
40	25.7	26.03	26.82	25.13	25.74	26.22	26.88	29.65	30.85	31.02	31.73	32.68	34.41	35.52	36.63	37.58	37.96	39.13	39.86	40.73
45	22.2	22.42	23.14	21.49	22.02	22.43	23.12	25.52	26.52	26.61	27.28	28.22	29.92	30.94	32.01	32.92	33.28	34.45	35.18	36.02
50	18.8	18.97	19.61	18.02	18.49	18.85	19.44	21.54	22.41	22.39	23.00	23.88	25.56	26.57	27.56	28.40	28.75	29.91	30.63	31.42
55	15.7	15.73	16.30	14.77	15.21	15.55	15.97	17.79	18.54	18.45	18.94	19.76	21.35	22.35	23.36	24.06	24.41	25.58	26.25	26.98
60	12.8	12.76	13.28	11.87	12.23	12.55	12.83	14.36	14.97	14.84	15.20	15.93	17.38	18.31	19.34	20.01	20.28	21.44	22.09	22.75
65	10.2	10.14	10.58	9.31	9.64	9.89	10.16	11.35	11.82	11.62	11.88	12.50	13.72	14.56	15.52	16.22	16.48	17.54	18.13	18.74
70	8.0	7.89	8.26	7.11	7.43	7.62	7.93	8.82	9.13	8.85	8.99	9.56	10.53	11.18	12.00	12.66	12.97	13.97	14.39	14.96
75	6.2	6.00	6.31	5.31	5.61	5.72	6.09	6.73	6.97	6.60	6.63	7.14	7.85	8.34	8.93	9.50	9.81	10.75	11.07	11.45
80	4.8	4.44	4.70	3.87	4.15	4.20	4.62	5.04	5.25	4.91	4.81	5.26	5.70	6.08	6.51	6.88	7.13	7.96	8.22	8.42
85	3.7	3.19	3.40	2.77	3.02	3.03	3.46	3.72	3.90	3.69	3.51	3.82	4.14	4.39	4.64	4.93	5.05	5.76	5.89	6.00
90	2.6	2.22	2.38	1.95	2.17	2.14	2.56	2.70	2.87	2.69	2.56	2.75	3.05	3.17	3.28	3.51	3.58	4.10	4.15	4.19

**Female**

age	1st	2nd	3rd	4th	5th	6th	8th	9th	10th	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th	21st
	1891-1898	1899-1903	1909-1913	1921-1925	1926-1930	1935-1936	1947	1950-1952	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010
0	44.3	44.85	44.73	43.20	46.54	49.63	53.96	62.97	67.75	70.19	72.92	74.66	76.89	78.76	80.48	81.90	82.85	84.60	85.52	86.30
1	50.1	51.17	51.24	49.42	52.10	54.07	57.40	65.25	69.34	71.17	73.13	74.52	76.56	78.29	79.89	81.25	82.17	83.86	84.73	85.48
2	51.3	52.06	52.55	50.86	53.37	55.02	58.30	65.01	68.70	70.39	72.26	73.62	75.65	77.35	78.95	80.30	81.21	82.89	83.76	84.51
3	51.7	52.44	52.83	51.22	53.59	55.13	58.42	64.58	68.00	69.57	71.35	72.69	74.71	76.40	77.98	79.33	80.25	81.92	82.78	83.53
4	51.8	52.36	52.61	51.12	53.43	54.89	58.06	64.00	67.24	68.69	70.42	71.75	73.75	75.43	77.01	78.35	79.27	80.93	81.80	82.54
5	51.5	51.97	52.16	50.71	53.00	54.40	57.45	63.28	66.41	67.79	69.47	70.78	72.78	74.46	76.03	77.37	78.29	79.95	80.81	81.55
10	48.1	48.34	48.51	47.00	49.18	50.47	53.31	58.82	61.78	63.04	64.62	65.91	67.87	69.53	71.08	72.42	73.34	74.98	75.84	76.58
15	44.2	44.36	44.67	43.12	45.11	46.33	48.81	54.10	56.96	58.17	59.71	60.99	62.94	64.58	66.13	67.46	68.39	70.01	70.87	71.61
20	40.8	41.06	41.67	40.38	42.12	43.22	44.87	49.58	52.25	53.39	54.85	56.11	58.04	59.66	61.20	62.54	63.46	65.08	65.93	66.67
25	37.6	38.02	38.83	37.72	39.23	40.23	41.48	45.35	47.73	48.74	50.06	51.30	53.19	54.77	56.30	57.63	58.56	60.16	61.02	61.75
30	34.4	34.84	35.72	34.69	35.98	36.88	37.95	41.20	43.25	44.10	45.31	46.50	48.35	49.90	51.41	52.73	53.65	55.26	56.12	56.83
35	31.1	31.54	32.42	31.44	32.53	33.30	34.24	36.99	38.78	39.48	40.58	41.73	43.53	45.04	46.54	47.84	48.77	50.37	51.23	51.94
40	27.8	28.19	29.03	28.09	29.01	29.65	30.39	32.77	34.34	34.90	35.91	37.01	38.76	40.23	41.72	43.00	43.91	45.52	46.38	47.08
45	24.4	24.71	25.49	24.58	25.39	25.91	26.52	28.58	29.95	30.39	31.31	32.37	34.06	35.49	36.96	38.22	39.12	40.73	41.57	42.27
50	20.8	21.11	21.84	20.95	21.67	22.15	22.64	24.47	25.70	26.03	26.85	27.84	29.46	30.84	32.28	33.51	34.43	36.01	36.84	37.52
55	17.4	17.61	18.31	17.43	18.09	18.54	18.92	20.53	21.61	21.83	22.54	23.47	25.00	26.30	27.71	28.90	29.82	31.40	32.20	32.86
60	14.2	14.32	14.99	14.12	14.68	15.07	15.39	16.81	17.72	17.83	18.42	19.27	20.68	21.89	23.24	24.39	25.31	26.85	27.66	28.28
65	11.4	11.35	11.94	11.10	11.58	11.88	12.22	13.36	14.13	14.10	14.56	15.34	16.56	17.68	18.94	20.03	20.94	22.42	23.19	23.80
70	8.8	8.77	9.28	8.44	8.88	9.04	9.41	10.34	10.95	10.78	11.09	11.75	12.78	13.73	14.89	15.87	16.76	18.19	18.88	19.43
75	6.7	6.61	7.09	6.21	6.59	6.62	7.03	7.76	8.28	8.01	8.11	8.70	9.47	10.24	11.19	12.06	12.88	14.19	14.83	15.27
80	5.1	4.85	5.26	4.41	4.73	4.67	5.09	5.64	6.12	5.88	5.80	6.27	6.76	7.33	8.07	8.72	9.47	10.60	11.13	11.46
85	3.9	3.45	3.77	3.04	3.30	3.17	3.58	3.97	4.42	4.26	4.19	4.46	4.76	5.12	5.60	6.10	6.67	7.61	7.99	8.15
90	2.7	2.36	2.61	2.04	2.24	2.09	2.45	2.72	3.12	2.99	2.96	3.26	3.39	3.55	3.82	4.18	4.64	5.29	5.53	5.53

**Table A.The 21st Life Tables, 2010**

**Male**

age $x$	number of survivors $l_x$	number of deaths ${}_n d_x$	survivors rate ${}_n p_x$	death rate ${}_n q_x$	force of mortality $\mu_x$	life expectancy ${}^o e_x$	stationary population	
							${}_n L_x$	$T_x$
0(w)	100 000	92	0.99908	0.00092	0.09375	79.55	1 917	7 955 005
1	99 908	11	0.99989	0.00011	0.01644	79.60	1 916	7 953 089
2	99 897	9	0.99991	0.00009	0.00170	79.59	1 916	7 951 173
3	99 888	7	0.99993	0.00007	0.00426	79.58	1 916	7 949 257
4	99 881	28	0.99972	0.00028	0.00347	79.57	8 983	7 947 342
2(m)	99 853	19	0.99981	0.00019	0.00263	79.50	8 320	7 938 358
3	99 834	37	0.99962	0.00038	0.00197	79.43	24 953	7 930 038
6	99 796	43	0.99957	0.00043	0.00110	79.21	49 887	7 905 085
0(y)	100 000	246	0.99754	0.00246	0.09375	79.55	99 808	7 955 005
1	99 754	37	0.99963	0.00037	0.00057	78.75	99 733	7 855 198
2	99 716	26	0.99974	0.00026	0.00026	77.78	99 704	7 755 464
3	99 690	18	0.99982	0.00018	0.00022	76.80	99 681	7 655 761
4	99 672	13	0.99987	0.00013	0.00015	75.81	99 665	7 556 080
5	99 659	11	0.99989	0.00011	0.00012	74.82	99 653	7 456 415
6	99 647	10	0.99990	0.00010	0.00011	73.83	99 642	7 356 762
7	99 637	9	0.99991	0.00009	0.00010	72.84	99 632	7 257 120
8	99 628	8	0.99992	0.00008	0.00009	71.84	99 623	7 157 488
9	99 619	8	0.99992	0.00008	0.00008	70.85	99 615	7 057 865
10	99 612	8	0.99992	0.00008	0.00008	69.85	99 608	6 958 249
11	99 603	10	0.99990	0.00010	0.00009	68.86	99 599	6 858 642
12	99 594	11	0.99989	0.00011	0.00010	67.87	99 588	6 759 043
13	99 583	13	0.99987	0.00013	0.00012	66.87	99 577	6 659 454
14	99 570	15	0.99985	0.00015	0.00014	65.88	99 563	6 559 878
15	99 555	19	0.99981	0.00019	0.00017	64.89	99 546	6 460 315
16	99 536	24	0.99976	0.00024	0.00021	63.90	99 525	6 360 769
17	99 512	30	0.99970	0.00030	0.00027	62.92	99 498	6 261 244
18	99 482	37	0.99962	0.00038	0.00034	61.94	99 464	6 161 746
19	99 445	44	0.99955	0.00045	0.00041	60.96	99 423	6 062 282
20	99 401	51	0.99949	0.00051	0.00048	59.99	99 376	5 962 859
21	99 350	57	0.99943	0.00057	0.00055	59.02	99 322	5 863 483
22	99 293	61	0.99939	0.00061	0.00060	58.05	99 262	5 764 162
23	99 232	63	0.99936	0.00064	0.00063	57.09	99 200	5 664 899
24	99 169	64	0.99936	0.00064	0.00064	56.12	99 137	5 565 699
25	99 105	64	0.99936	0.00064	0.00064	55.16	99 073	5 466 562
26	99 041	64	0.99935	0.00065	0.00065	54.19	99 009	5 367 489
27	98 977	66	0.99934	0.00066	0.00066	53.23	98 944	5 268 480
28	98 911	67	0.99933	0.00067	0.00067	52.26	98 878	5 169 536
29	98 845	68	0.99932	0.00068	0.00068	51.30	98 811	5 070 658
30	98 777	68	0.99931	0.00069	0.00069	50.33	98 743	4 971 847
31	98 709	70	0.99929	0.00071	0.00070	49.37	98 674	4 873 104
32	98 638	73	0.99926	0.00074	0.00073	48.40	98 602	4 774 431
33	98 565	76	0.99923	0.00077	0.00076	47.44	98 527	4 675 829
34	98 489	80	0.99919	0.00081	0.00079	46.48	98 449	4 577 302
35	98 409	84	0.99915	0.00085	0.00083	45.51	98 367	4 478 853
36	98 325	89	0.99910	0.00090	0.00088	44.55	98 281	4 380 486
37	98 236	96	0.99902	0.00098	0.00094	43.59	98 188	4 282 205
38	98 139	106	0.99892	0.00108	0.00103	42.63	98 087	4 184 017
39	98 034	115	0.99882	0.00118	0.00113	41.68	97 977	4 085 929
40	97 918	126	0.99872	0.00128	0.00123	40.73	97 857	3 987 952
41	97 793	137	0.99860	0.00140	0.00134	39.78	97 725	3 890 096
42	97 656	149	0.99848	0.00152	0.00146	38.83	97 583	3 792 370
43	97 508	162	0.99834	0.00166	0.00159	37.89	97 428	3 694 788
44	97 346	176	0.99819	0.00181	0.00173	36.95	97 259	3 597 360
45	97 170	192	0.99802	0.00198	0.00189	36.02	97 075	3 500 100
46	96 978	210	0.99784	0.00216	0.00207	35.09	96 875	3 403 025
47	96 768	231	0.99762	0.00238	0.00227	34.17	96 655	3 306 151
48	96 538	254	0.99737	0.00263	0.00250	33.25	96 413	3 209 496
49	96 284	278	0.99711	0.00289	0.00276	32.33	96 147	3 113 083

age $x$	number of survivors $l_x$	number of deaths ${}_n d_x$	survivors rate ${}_n p_x$	death rate ${}_n q_x$	force of mortality $\mu_x$	life expectancy ${}^o e_x$	stationary population	
							${}_n L_x$	$T_x$
50	96 006	304	0.99683	0.00317	0.00303	31.42	95 856	3 016 936
51	95 702	332	0.99653	0.00347	0.00332	30.52	95 538	2 921 080
52	95 370	363	0.99619	0.00381	0.00364	29.63	95 191	2 825 542
53	95 006	398	0.99581	0.00419	0.00400	28.74	94 810	2 730 351
54	94 608	436	0.99539	0.00461	0.00440	27.86	94 393	2 635 541
55	94 172	478	0.99493	0.00507	0.00485	26.98	93 936	2 541 148
56	93 694	523	0.99442	0.00558	0.00534	26.12	93 436	2 447 212
57	93 171	570	0.99388	0.00612	0.00586	25.26	92 890	2 353 776
58	92 601	620	0.99331	0.00669	0.00642	24.42	92 295	2 260 886
59	91 981	673	0.99268	0.00732	0.00701	23.58	91 649	2 168 591
60	91 308	739	0.99190	0.00810	0.00773	22.75	90 944	2 076 941
61	90 568	804	0.99112	0.00888	0.00853	21.93	90 172	1 985 997
62	89 764	862	0.99039	0.00961	0.00929	21.12	89 338	1 895 826
63	88 902	922	0.98963	0.01037	0.01003	20.32	88 446	1 806 488
64	87 980	986	0.98879	0.01121	0.01083	19.53	87 492	1 718 042
65	86 994	1 056	0.98786	0.01214	0.01172	18.74	86 472	1 630 549
66	85 938	1 134	0.98681	0.01319	0.01273	17.97	85 378	1 544 077
67	84 804	1 216	0.98566	0.01434	0.01385	17.20	84 203	1 458 699
68	83 588	1 298	0.98447	0.01553	0.01503	16.44	82 946	1 374 496
69	82 290	1 386	0.98315	0.01685	0.01629	15.70	81 605	1 291 551
70	80 904	1 490	0.98158	0.01842	0.01775	14.96	80 168	1 209 946
71	79 413	1 607	0.97977	0.02023	0.01947	14.23	78 620	1 129 778
72	77 807	1 732	0.97773	0.02227	0.02143	13.51	76 952	1 051 158
73	76 074	1 876	0.97534	0.02466	0.02367	12.81	75 149	974 206
74	74 199	2 043	0.97247	0.02753	0.02636	12.12	73 192	899 057
75	72 156	2 228	0.96913	0.03087	0.02955	11.45	71 058	825 865
76	69 928	2 432	0.96522	0.03478	0.03328	10.79	68 730	754 807
77	67 496	2 645	0.96081	0.03919	0.03759	10.16	66 192	686 077
78	64 851	2 866	0.95580	0.04420	0.04249	9.56	63 436	619 885
79	61 985	3 083	0.95026	0.04974	0.04802	8.98	60 461	556 449
80	58 902	3 279	0.94432	0.05568	0.05407	8.42	57 278	495 988
81	55 622	3 453	0.93792	0.06208	0.06056	7.89	53 910	438 711
82	52 169	3 619	0.93063	0.06937	0.06780	7.38	50 374	384 801
83	48 550	3 783	0.92207	0.07793	0.07629	6.89	46 672	334 427
84	44 767	3 918	0.91248	0.08752	0.08618	6.43	42 817	287 756
85	40 849	3 997	0.90215	0.09785	0.09717	6.00	38 854	244 938
86	36 852	3 990	0.89173	0.10827	0.10871	5.59	34 853	206 085
87	32 862	3 919	0.88074	0.11926	0.12062	5.21	30 894	171 231
88	28 943	3 802	0.86865	0.13135	0.13362	4.85	27 031	140 337
89	25 141	3 646	0.85497	0.14503	0.14839	4.51	23 303	113 307
90	21 495	3 448	0.83959	0.16041	0.16615	4.19	19 752	90 003
91	18 047	3 171	0.82431	0.17569	0.18378	3.89	16 436	70 252
92	14 876	2 855	0.80805	0.19195	0.20290	3.62	13 421	53 816
93	12 021	2 515	0.79078	0.20922	0.22364	3.36	10 734	40 395
94	9 506	2 163	0.77245	0.22755	0.24614	3.12	8 395	29 661
95	7 343	1 813	0.75305	0.24695	0.27056	2.90	6 407	21 266
96	5 529	1 479	0.73256	0.26744	0.29704	2.69	4 763	14 859
97	4 051	1 171	0.71095	0.28905	0.32578	2.49	3 441	10 096
98	2 880	898	0.68823	0.31177	0.35695	2.31	2 410	6 655
99	1 982	665	0.66440	0.33560	0.39077	2.14	1 632	4 245
100	1 317	475	0.63949	0.36051	0.42746	1.98	1 065	2 613
101	842	325	0.61351	0.38649	0.46726	1.84	669	1 548
102	517	214	0.58652	0.41348	0.51044	1.70	402	879
103	303	134	0.55858	0.44142	0.55729	1.58	231	478
104	169	80	0.52977	0.47023	0.60811	1.46	126	247
105	90	45	0.50020	0.49980	0.66325	1.35	65	121
106	45	24	0.46998	0.53002	0.72307	1.25	32	56
107	21	12	0.43925	0.56075	0.78796	1.16	14	24
108	9	5	0.40818	0.59182	0.85837	1.07	6	10
109	4	2	0.37696	0.62304	0.93474	0.99	2	4
110	1	1	0.34578	0.65422	1.01761	0.92	1	1

**Female**

age $x$	number of survivors $l_x$	number of deaths ${}_n d_x$	survivors rate ${}_n p_x$	death rate ${}_n q_x$	force of mortality $\mu_x$	life expectancy ${}^o e_x$	stationary population	
							${}_n L_x$	$T_x$
0(w)	100 000	71	0.99929	0.00071	0.06939	86.3	1 917	8 630 132
1	99 929	12	0.99988	0.00012	0.01435	86.3	1 916	8 628 215
2	99 917	8	0.99992	0.00008	0.00275	86.3	1 916	8 626 299
3	99 909	7	0.99993	0.00007	0.00385	86.3	1 916	8 624 383
4	99 902	23	0.99977	0.00023	0.00317	86.3	8 986	8 622 467
2(m)	99 879	14	0.99986	0.00014	0.00195	86.2	8 323	8 613 481
3	99 866	38	0.99962	0.00038	0.00142	86.2	24 962	8 605 158
6	99 828	38	0.99962	0.00038	0.00134	86.0	49 902	8 580 196
0(y)	100 000	210	0.99790	0.00210	0.06939	86.3	99 837	8 630 132
1	99 790	33	0.99967	0.00033	0.00045	85.5	99 773	8 530 295
2	99 757	23	0.99977	0.00023	0.00023	84.5	99 745	8 430 522
3	99 734	15	0.99985	0.00015	0.00019	83.5	99 726	8 330 776
4	99 718	11	0.99989	0.00011	0.00013	82.5	99 713	8 231 051
5	99 707	9	0.99991	0.00009	0.00010	81.6	99 703	8 131 338
6	99 698	8	0.99992	0.00008	0.00009	80.6	99 694	8 031 636
7	99 690	7	0.99992	0.00008	0.00008	79.6	99 686	7 931 942
8	99 682	7	0.99993	0.00007	0.00007	78.6	99 679	7 832 256
9	99 676	6	0.99994	0.00006	0.00006	77.6	99 673	7 732 577
10	99 669	6	0.99994	0.00006	0.00006	76.6	99 666	7 632 904
11	99 663	6	0.99994	0.00006	0.00006	75.6	99 660	7 533 238
12	99 657	7	0.99993	0.00007	0.00006	74.6	99 654	7 433 578
13	99 650	8	0.99992	0.00008	0.00007	73.6	99 647	7 333 924
14	99 643	10	0.99990	0.00010	0.00009	72.6	99 638	7 234 277
15	99 633	12	0.99988	0.00012	0.00011	71.6	99 627	7 134 639
16	99 621	14	0.99986	0.00014	0.00013	70.6	99 615	7 035 012
17	99 608	16	0.99984	0.00016	0.00015	69.6	99 600	6 935 397
18	99 592	18	0.99981	0.00019	0.00017	68.6	99 583	6 835 798
19	99 573	21	0.99979	0.00021	0.00020	67.7	99 563	6 736 215
20	99 552	24	0.99976	0.00024	0.00023	66.7	99 540	6 636 652
21	99 528	25	0.99975	0.00025	0.00025	65.7	99 516	6 537 112
22	99 503	26	0.99974	0.00026	0.00026	64.7	99 490	6 437 596
23	99 477	26	0.99974	0.00026	0.00026	63.7	99 464	6 338 106
24	99 451	26	0.99974	0.00026	0.00026	62.7	99 438	6 238 642
25	99 425	26	0.99974	0.00026	0.00026	61.8	99 413	6 139 204
26	99 400	27	0.99973	0.00027	0.00026	60.8	99 386	6 039 791
27	99 373	28	0.99972	0.00028	0.00028	59.8	99 359	5 940 405
28	99 345	31	0.99969	0.00031	0.00030	58.8	99 329	5 841 046
29	99 314	33	0.99966	0.00034	0.00032	57.8	99 297	5 741 717
30	99 281	36	0.99964	0.00036	0.00035	56.8	99 263	5 642 419
31	99 245	38	0.99962	0.00038	0.00037	55.9	99 226	5 543 156
32	99 207	40	0.99960	0.00040	0.00039	54.9	99 188	5 443 930
33	99 168	42	0.99958	0.00042	0.00041	53.9	99 147	5 344 743
34	99 126	44	0.99955	0.00045	0.00044	52.9	99 104	5 245 596
35	99 081	48	0.99952	0.00048	0.00046	51.9	99 058	5 146 492
36	99 034	51	0.99948	0.00052	0.00050	51.0	99 008	5 047 435
37	98 983	55	0.99944	0.00056	0.00054	50.0	98 955	4 948 426
38	98 927	61	0.99939	0.00061	0.00059	49.0	98 897	4 849 471
39	98 866	65	0.99934	0.00066	0.00064	48.1	98 834	4 750 574
40	98 801	70	0.99929	0.00071	0.00068	47.1	98 766	4 651 740
41	98 731	75	0.99924	0.00076	0.00073	46.1	98 694	4 552 974
42	98 656	81	0.99918	0.00082	0.00079	45.2	98 616	4 454 279
43	98 575	90	0.99909	0.00091	0.00087	44.2	98 531	4 355 663
44	98 485	98	0.99900	0.00100	0.00095	43.2	98 437	4 257 132
45	98 387	106	0.99892	0.00108	0.00104	42.3	98 335	4 158 695
46	98 281	113	0.99885	0.00115	0.00111	41.3	98 225	4 060 360
47	98 168	122	0.99876	0.00124	0.00119	40.4	98 108	3 962 135
48	98 046	135	0.99862	0.00138	0.00131	39.4	97 980	3 864 027
49	97 911	149	0.99847	0.00153	0.00145	38.5	97 838	3 766 047

age $x$	number of survivors $l_x$	number of deaths ${}_n d_x$	survivors rate ${}_n p_x$	death rate ${}_n q_x$	force of mortality $\mu_x$	life expectancy ${}^o e_x$	stationary population	
							${}_n L_x$	$T_x$
50	97 762	163	0.99833	0.00167	0.00160	37.5	97 681	3 668 210
51	97 599	175	0.99821	0.00179	0.00173	36.6	97 512	3 570 528
52	97 424	186	0.99809	0.00191	0.00185	35.7	97 331	3 473 016
53	97 237	199	0.99796	0.00204	0.00198	34.7	97 139	3 375 685
54	97 039	213	0.99781	0.00219	0.00212	33.8	96 934	3 278 546
55	96 826	229	0.99764	0.00236	0.00228	32.9	96 713	3 181 612
56	96 597	246	0.99746	0.00254	0.00246	31.9	96 476	3 084 899
57	96 351	263	0.99727	0.00273	0.00264	31.0	96 221	2 988 423
58	96 089	281	0.99708	0.00292	0.00283	30.1	95 950	2 892 202
59	95 808	300	0.99687	0.00313	0.00302	29.2	95 660	2 796 252
60	95 508	325	0.99660	0.00340	0.00326	28.3	95 348	2 700 592
61	95 184	352	0.99630	0.00370	0.00355	27.4	95 010	2 605 244
62	94 831	380	0.99599	0.00401	0.00386	26.5	94 644	2 510 234
63	94 451	409	0.99566	0.00434	0.00418	25.6	94 249	2 415 590
64	94 041	437	0.99535	0.00465	0.00450	24.7	93 825	2 321 342
65	93 604	466	0.99502	0.00498	0.00482	23.8	93 374	2 227 516
66	93 138	501	0.99463	0.00537	0.00518	22.9	92 891	2 134 143
67	92 637	541	0.99416	0.00584	0.00561	22.0	92 371	2 041 252
68	92 097	584	0.99366	0.00634	0.00610	21.2	91 809	1 948 881
69	91 513	634	0.99308	0.00692	0.00663	20.3	91 201	1 857 072
70	90 879	697	0.99233	0.00767	0.00730	19.4	90 537	1 765 872
71	90 183	772	0.99144	0.00856	0.00812	18.6	89 804	1 675 335
72	89 411	859	0.99039	0.00961	0.00910	17.7	88 989	1 585 531
73	88 552	959	0.98917	0.01083	0.01025	16.9	88 081	1 496 542
74	87 592	1 072	0.98776	0.01224	0.01157	16.1	87 066	1 408 461
75	86 520	1 195	0.98619	0.01381	0.01308	15.3	85 934	1 321 395
76	85 326	1 330	0.98442	0.01558	0.01476	14.5	84 673	1 235 461
77	83 996	1 481	0.98237	0.01763	0.01669	13.7	83 269	1 150 788
78	82 515	1 655	0.97994	0.02006	0.01896	12.9	81 703	1 067 519
79	80 861	1 847	0.97716	0.02284	0.02162	12.2	79 954	985 816
80	79 014	2 054	0.97400	0.02600	0.02465	11.5	78 005	905 862
81	76 960	2 275	0.97044	0.02956	0.02809	10.8	75 842	827 857
82	74 685	2 517	0.96629	0.03371	0.03203	10.1	73 447	752 015
83	72 167	2 791	0.96133	0.03867	0.03671	9.4	70 796	678 568
84	69 376	3 093	0.95542	0.04458	0.04234	8.8	67 856	607 772
85	66 284	3 417	0.94845	0.05155	0.04909	8.2	64 602	539 916
86	62 867	3 733	0.94063	0.05937	0.05688	7.6	61 027	475 314
87	59 134	4 043	0.93163	0.06837	0.06580	7.0	57 138	414 287
88	55 091	4 321	0.92157	0.07843	0.07604	6.5	52 952	357 149
89	50 771	4 543	0.91051	0.08949	0.08750	6.0	48 515	304 197
90	46 228	4 697	0.89840	0.10160	0.10021	5.5	43 889	255 682
91	41 531	4 772	0.88510	0.11490	0.11432	5.1	39 148	211 793
92	36 759	4 766	0.87036	0.12964	0.13009	4.7	34 372	172 646
93	31 993	4 680	0.85372	0.14628	0.14808	4.3	29 642	138 273
94	27 313	4 495	0.83542	0.16458	0.16863	4.0	25 046	108 631
95	22 818	4 191	0.81633	0.18367	0.19138	3.7	20 693	83 585
96	18 627	3 787	0.79670	0.20330	0.21479	3.4	16 697	62 892
97	14 840	3 324	0.77602	0.22398	0.24009	3.1	13 138	46 195
98	11 516	2 830	0.75427	0.24573	0.26743	2.9	10 060	33 057
99	8 686	2 333	0.73146	0.26854	0.29696	2.7	7 479	22 998
100	6 354	1 858	0.70758	0.29242	0.32888	2.4	5 387	15 519
101	4 496	1 427	0.68266	0.31734	0.36337	2.3	3 749	10 132
102	3 069	1 054	0.65672	0.34328	0.40063	2.1	2 514	6 383
103	2 016	746	0.62979	0.37021	0.44089	1.9	1 620	3 869
104	1 269	505	0.60194	0.39806	0.48440	1.8	999	2 250
105	764	326	0.57322	0.42678	0.53141	1.6	588	1 250
106	438	200	0.54373	0.45627	0.58221	1.5	329	662
107	238	116	0.51357	0.48643	0.63710	1.4	175	332
108	122	63	0.48285	0.51715	0.69641	1.3	87	158
109	59	32	0.45173	0.54827	0.76050	1.2	41	70
110	27	15	0.42035	0.57965	0.82975	1.1	18	29
111	11	7	0.38888	0.61112	0.90457	1.0	7	11
112	4	3	0.35753	0.64247	0.98543	0.9	3	4
113	2	1	0.32648	0.67352	1.07279	0.9	1	1
114	1	0	0.29596	0.70404	1.16719	0.8	0	0