Table A.The 22nd Life Tables, 2015

Male

age	number of survivors	number of deaths	probability of surviving	probability of dying	force of mortality	stationary population		life expectancy
						number of person-years	total person-years	
x	l_x	${}_nd_x$	${}_np_x$	${}_nq_x$	μ_x	${}_nL_x$	T_x	$\overset{\circ}{e}_x$
0(w)	100 000	69	0.99931	0.00069	0.06764	1 917	8 075 244	80.75
1	99 931	11	0.99989	0.00011	0.01401	1 916	8 073 327	80.79
2	99 920	7	0.99993	0.00007	0.00207	1 916	8 071 411	80.78
3	99 913	6	0.99994	0.00006	0.00320	1 916	8 069 494	80.77
4	99 906	21	0.99978	0.00022	0.00320	8 986	8 067 578	80.75
2(m)	99 885	14	0.99986	0.00014	0.00188	8 323	8 058 592	80.68
3	99 871	38	0.99962	0.00038	0.00152	24 963	8 050 269	80.61
6	99 833	34	0.99966	0.00034	0.00131	49 905	8 025 306	80.39
0(y)	100 000	202	0.99798	0.00202	0.06764	99 843	8 075 244	80.75
1	99 798	34	0.99966	0.00034	0.00038	99 783	7 975 401	79.92
2	99 765	24	0.99976	0.00024	0.00024	99 753	7 875 618	78.94
3	99 741	16	0.99984	0.00016	0.00019	99 732	7 775 866	77.96
4	99 725	11	0.99988	0.00012	0.00013	99 719	7 676 133	76.97
5	99 714	10	0.99990	0.00010	0.00010	99 709	7 576 414	75.98
6	99 704	10	0.99990	0.00010	0.00010	99 699	7 476 706	74.99
7	99 694	10	0.99990	0.00010	0.00010	99 689	7 377 007	74.00
8	99 684	9	0.99991	0.00009	0.00009	99 680	7 277 318	73.00
9	99 676	8	0.99992	0.00008	0.00008	99 672	7 177 638	72.01
10	99 668	7	0.99993	0.00007	0.00007	99 664	7 077 966	71.02
11	99 661	7	0.99993	0.00007	0.00007	99 657	6 978 302	70.02
12	99 653	8	0.99992	0.00008	0.00008	99 649	6 878 645	69.03
13	99 645	11	0.99989	0.00011	0.00009	99 640	6 778 995	68.03
14	99 635	13	0.99987	0.00013	0.00012	99 628	6 679 355	67.04
15	99 621	17	0.99983	0.00017	0.00015	99 613	6 579 727	66.05
16	99 604	21	0.99979	0.00021	0.00019	99 594	6 480 114	65.06
17	99 583	26	0.99974	0.00026	0.00024	99 570	6 380 520	64.07
18	99 557	32	0.99968	0.00032	0.00029	99 541	6 280 950	63.09
19	99 524	39	0.99961	0.00039	0.00036	99 506	6 181 409	62.11
20	99 486	45	0.99955	0.00045	0.00042	99 464	6 081 903	61.13
21	99 441	49	0.99951	0.00049	0.00047	99 417	5 982 440	60.16
22	99 392	51	0.99949	0.00051	0.00050	99 367	5 883 023	59.19
23	99 341	53	0.99946	0.00054	0.00053	99 315	5 783 656	58.22
24	99 288	55	0.99945	0.00055	0.00054	99 261	5 684 341	57.25
25	99 234	55	0.99945	0.00055	0.00055	99 206	5 585 080	56.28
26	99 179	54	0.99945	0.00055	0.00055	99 151	5 485 874	55.31
27	99 124	54	0.99946	0.00054	0.00055	99 097	5 386 722	54.34
28	99 070	54	0.99945	0.00055	0.00054	99 043	5 287 625	53.37
29	99 016	56	0.99944	0.00056	0.00055	98 989	5 188 582	52.40
30	98 961	57	0.99942	0.00058	0.00057	98 932	5 089 593	51.43
31	98 903	59	0.99940	0.00060	0.00059	98 874	4 990 661	50.46
32	98 844	61	0.99938	0.00062	0.00061	98 814	4 891 787	49.49
33	98 783	65	0.99934	0.00066	0.00064	98 751	4 792 973	48.52
34	98 718	69	0.99930	0.00070	0.00068	98 684	4 694 222	47.55
35	98 649	73	0.99926	0.00074	0.00072	98 613	4 595 538	46.58
36	98 576	75	0.99924	0.00076	0.00075	98 539	4 496 925	45.62
37	98 501	78	0.99920	0.00080	0.00078	98 462	4 398 387	44.65
38	98 423	84	0.99915	0.00085	0.00082	98 381	4 299 925	43.69
39	98 338	93	0.99905	0.00095	0.00090	98 293	4 201 543	42.73
40	98 245	103	0.99895	0.00105	0.00100	98 195	4 103 251	41.77
41	98 142	113	0.99885	0.00115	0.00110	98 086	4 005 056	40.81
42	98 029	122	0.99876	0.00124	0.00120	97 969	3 906 970	39.86
43	97 907	131	0.99866	0.00134	0.00129	97 842	3 809 001	38.90
44	97 776	144	0.99853	0.00147	0.00140	97 705	3 711 159	37.96
45	97 632	159	0.99837	0.00163	0.00155	97 554	3 613 454	37.01
46	97 473	176	0.99819	0.00181	0.00171	97 386	3 515 900	36.07
47	97 297	195	0.99800	0.00200	0.00190	97 201	3 418 514	35.13
48	97 102	215	0.99778	0.00222	0.00211	96 996	3 321 313	34.20
49	96 887	236	0.99757	0.00243	0.00233	96 771	3 224 317	33.28

age	number of survivors	number of deaths	probability of surviving	probability of dying	force of mortality	stationary population		life expectancy
						number of person-years	total person-years	
x	l_x	${}_nd_x$	${}_np_x$	${}_nq_x$	μ_x	${}_nL_x$	T_x	$\mathring{e}_x$
50	96 651	257	0.99734	0.00266	0.00255	96 524	3 127 546	32.36
51	96 394	283	0.99707	0.00293	0.00280	96 255	3 031 022	31.44
52	96 111	310	0.99677	0.00323	0.00308	95 958	2 934 767	30.54
53	95 801	340	0.99645	0.00355	0.00339	95 634	2 838 809	29.63
54	95 461	373	0.99609	0.00391	0.00373	95 277	2 743 175	28.74
55	95 088	411	0.99568	0.00432	0.00412	94 886	2 647 898	27.85
56	94 677	450	0.99525	0.00475	0.00454	94 455	2 553 012	26.97
57	94 227	488	0.99482	0.00518	0.00498	93 986	2 458 557	26.09
58	93 739	525	0.99440	0.00560	0.00540	93 480	2 364 571	25.23
59	93 214	568	0.99391	0.00609	0.00585	92 934	2 271 091	24.36
60	92 646	620	0.99331	0.00669	0.00639	92 341	2 178 157	23.51
61	92 026	688	0.99252	0.00748	0.00709	91 688	2 085 816	22.67
62	91 338	764	0.99163	0.00837	0.00795	90 962	1 994 129	21.83
63	90 573	839	0.99074	0.00926	0.00886	90 160	1 903 167	21.01
64	89 734	910	0.98986	0.01014	0.00973	89 286	1 813 007	20.20
65	88 825	994	0.98881	0.01119	0.01070	88 335	1 723 721	19.41
66	87 830	1 081	0.98769	0.01231	0.01182	87 297	1 635 386	18.62
67	86 749	1 166	0.98655	0.01345	0.01295	86 173	1 548 089	17.85
68	85 582	1 256	0.98532	0.01468	0.01415	84 962	1 461 916	17.08
69	84 326	1 349	0.98401	0.01599	0.01543	83 660	1 376 954	16.33
70	82 978	1 450	0.98253	0.01747	0.01684	82 262	1 293 294	15.59
71	81 528	1 561	0.98085	0.01915	0.01846	80 757	1 211 033	14.85
72	79 966	1 675	0.97905	0.02095	0.02025	79 138	1 130 276	14.13
73	78 291	1 776	0.97732	0.02268	0.02205	77 411	1 051 138	13.43
74	76 515	1 885	0.97537	0.02463	0.02388	75 583	973 727	12.73
75	74 631	2 021	0.97293	0.02707	0.02610	73 633	898 144	12.03
76	72 610	2 185	0.96991	0.03009	0.02889	71 533	824 511	11.36
77	70 426	2 377	0.96624	0.03376	0.03233	69 254	752 979	10.69
78	68 048	2 594	0.96188	0.03812	0.03649	66 770	683 725	10.05
79	65 454	2 819	0.95693	0.04307	0.04134	64 063	616 955	9.43
80	62 635	3 046	0.95138	0.04862	0.04680	61 131	552 891	8.83
81	59 589	3 279	0.94498	0.05502	0.05307	57 970	491 760	8.25
82	56 311	3 504	0.93778	0.06222	0.06025	54 577	433 791	7.70
83	52 807	3 714	0.92968	0.07032	0.06839	50 967	379 213	7.18
84	49 094	3 900	0.92055	0.07945	0.07766	47 158	328 246	6.69
85	45 194	4 043	0.91053	0.08947	0.08810	43 181	281 088	6.22
86	41 150	4 116	0.89998	0.10002	0.09941	39 096	237 907	5.78
87	37 034	4 127	0.88856	0.11144	0.11156	34 969	198 811	5.37
88	32 907	4 080	0.87601	0.12399	0.12500	30 861	163 842	4.98
89	28 827	3 973	0.86217	0.13783	0.14002	26 829	132 982	4.61
90	24 854	3 810	0.84671	0.15329	0.15698	22 933	106 153	4.27
91	21 044	3 580	0.82990	0.17010	0.17602	19 233	83 220	3.95
92	17 465	3 302	0.81095	0.18905	0.19751	15 788	63 987	3.66
93	14 163	2 967	0.79047	0.20953	0.22205	12 649	48 199	3.40
94	11 195	2 567	0.77068	0.22932	0.24801	9 876	35 550	3.18
95	8 628	2 123	0.75399	0.24601	0.27055	7 530	25 674	2.98
96	6 506	1 718	0.73592	0.26408	0.29434	5 614	18 144	2.79
97	4 788	1 352	0.71757	0.28243	0.31910	4 083	12 529	2.62
98	3 435	1 034	0.69896	0.30104	0.34485	2 894	8 447	2.46
99	2 401	768	0.68011	0.31989	0.37165	1 997	5 553	2.31
100	1 633	554	0.66104	0.33896	0.39954	1 340	3 556	2.18
101	1 080	387	0.64176	0.35824	0.42855	874	2 215	2.05
102	693	262	0.62229	0.37771	0.45874	553	1 341	1.94
103	431	171	0.60267	0.39733	0.49015	339	788	1.83
104	260	108	0.58291	0.41709	0.52284	201	449	1.73
105	151	66	0.56303	0.43697	0.55684	116	247	1.63
106	85	39	0.54307	0.45693	0.59223	64	132	1.55
107	46	22	0.52305	0.47695	0.62905	34	68	1.46
108	24	12	0.50301	0.49699	0.66736	18	34	1.39
109	12	6	0.48296	0.51704	0.70722	9	16	1.32
110	6	3	0.46295	0.53705	0.74869	4	7	1.25
111	3	2	0.44302	0.55698	0.79185	2	3	1.19
112	1	1	0.42318	0.57682	0.83675	1	1	1.13

Female

age	number of survivors	number of deaths	probability of surviving	probability of dying	force of mortality	stationary population		life expectancy
						number of person-years	total person-years	
x	l_x	${}_nd_x$	${}_np_x$	${}_nq_x$	μ_x	${}_nL_x$	T_x	$\overset{\circ}{e}_x$
0(w)	100 000	63	0.99937	0.00063	0.05782	1 917	8 698 726	86.99
1	99 937	12	0.99988	0.00012	0.01422	1 916	8 696 809	87.02
2	99 925	5	0.99995	0.00005	0.00209	1 916	8 694 893	87.01
3	99 921	6	0.99994	0.00006	0.00232	1 916	8 692 976	87.00
4	99 914	19	0.99981	0.00019	0.00344	8 987	8 691 060	86.99
2(m)	99 895	14	0.99986	0.00014	0.00164	8 324	8 682 074	86.91
3	99 881	29	0.99971	0.00029	0.00151	24 966	8 673 749	86.84
6	99 853	31	0.99969	0.00031	0.00085	49 918	8 648 783	86.62
0(y)	100 000	178	0.99822	0.00178	0.05782	99 861	8 698 726	86.99
1	99 822	32	0.99968	0.00032	0.00040	99 806	8 598 865	86.14
2	99 790	20	0.99980	0.00020	0.00023	99 780	8 499 059	85.17
3	99 770	12	0.99988	0.00012	0.00016	99 763	8 399 279	84.19
4	99 758	8	0.99992	0.00008	0.00010	99 753	8 299 516	83.20
5	99 749	8	0.99992	0.00008	0.00008	99 746	8 199 762	82.20
6	99 742	8	0.99992	0.00008	0.00008	99 738	8 100 017	81.21
7	99 734	8	0.99992	0.00008	0.00008	99 730	8 000 279	80.22
8	99 726	7	0.99993	0.00007	0.00008	99 722	7 900 550	79.22
9	99 718	7	0.99993	0.00007	0.00007	99 715	7 800 828	78.23
10	99 712	7	0.99993	0.00007	0.00007	99 708	7 701 113	77.23
11	99 705	7	0.99993	0.00007	0.00007	99 701	7 601 405	76.24
12	99 698	7	0.99993	0.00007	0.00007	99 695	7 501 703	75.24
13	99 691	7	0.99993	0.00007	0.00007	99 688	7 402 008	74.25
14	99 684	8	0.99992	0.00008	0.00008	99 680	7 302 321	73.25
15	99 676	10	0.99990	0.00010	0.00009	99 671	7 202 641	72.26
16	99 666	12	0.99988	0.00012	0.00011	99 660	7 102 970	71.27
17	99 654	13	0.99987	0.00013	0.00013	99 647	7 003 311	70.28
18	99 641	15	0.99985	0.00015	0.00014	99 633	6 903 663	69.29
19	99 626	16	0.99984	0.00016	0.00015	99 618	6 804 030	68.30
20	99 610	17	0.99983	0.00017	0.00016	99 602	6 704 411	67.31
21	99 593	19	0.99981	0.00019	0.00018	99 584	6 604 809	66.32
22	99 575	20	0.99980	0.00020	0.00020	99 565	6 505 225	65.33
23	99 554	22	0.99978	0.00022	0.00021	99 544	6 405 661	64.34
24	99 533	23	0.99977	0.00023	0.00023	99 521	6 306 117	63.36
25	99 510	24	0.99976	0.00024	0.00024	99 498	6 206 596	62.37
26	99 486	25	0.99975	0.00025	0.00025	99 473	6 107 098	61.39
27	99 461	27	0.99973	0.00027	0.00026	99 447	6 007 625	60.40
28	99 434	28	0.99971	0.00029	0.00028	99 420	5 908 177	59.42
29	99 405	30	0.99970	0.00030	0.00029	99 391	5 808 758	58.44
30	99 375	31	0.99969	0.00031	0.00031	99 360	5 709 367	57.45
31	99 345	32	0.99968	0.00032	0.00032	99 329	5 610 007	56.47
32	99 313	34	0.99966	0.00034	0.00033	99 296	5 510 678	55.49
33	99 279	36	0.99963	0.00037	0.00035	99 261	5 411 383	54.51
34	99 243	39	0.99961	0.00039	0.00038	99 223	5 312 122	53.53
35	99 204	41	0.99959	0.00041	0.00040	99 184	5 212 898	52.55
36	99 163	42	0.99957	0.00043	0.00042	99 142	5 113 715	51.57
37	99 121	45	0.99954	0.00046	0.00044	99 098	5 014 573	50.59
38	99 075	50	0.99950	0.00050	0.00048	99 051	4 915 474	49.61
39	99 025	56	0.99943	0.00057	0.00053	98 998	4 816 424	48.64
40	98 969	62	0.99937	0.00063	0.00060	98 939	4 717 426	47.67
41	98 907	68	0.99931	0.00069	0.00066	98 873	4 618 487	46.70
42	98 839	73	0.99926	0.00074	0.00071	98 803	4 519 614	45.73
43	98 766	79	0.99920	0.00080	0.00077	98 727	4 420 811	44.76
44	98 687	85	0.99913	0.00087	0.00083	98 645	4 322 084	43.80
45	98 602	94	0.99905	0.00095	0.00090	98 556	4 223 438	42.83
46	98 509	104	0.99895	0.00105	0.00100	98 458	4 124 882	41.87
47	98 405	114	0.99884	0.00116	0.00111	98 349	4 026 425	40.92
48	98 291	124	0.99874	0.00126	0.00121	98 230	3 928 076	39.96
49	98 167	134	0.99864	0.00136	0.00131	98 101	3 829 846	39.01

age	number of survivors	number of deaths	probability of surviving	probability of dying	force of mortality	stationary population		life expectancy
						number of person-years	total person-years	
x	l_x	${}_nd_x$	${}_np_x$	${}_nq_x$	μ_x	${}_nL_x$	T_x	$\overset{\circ}{e}_x$
50	98 034	145	0.99852	0.00148	0.00142	97 962	3 731 745	38.07
51	97 889	159	0.99838	0.00162	0.00155	97 811	3 633 783	37.12
52	97 730	174	0.99822	0.00178	0.00170	97 645	3 535 972	36.18
53	97 557	189	0.99807	0.00193	0.00186	97 463	3 438 327	35.24
54	97 368	202	0.99792	0.00208	0.00201	97 268	3 340 864	34.31
55	97 166	215	0.99779	0.00221	0.00215	97 060	3 243 596	33.38
56	96 951	226	0.99767	0.00233	0.00227	96 839	3 146 536	32.45
57	96 726	237	0.99755	0.00245	0.00239	96 608	3 049 697	31.53
58	96 489	250	0.99741	0.00259	0.00252	96 365	2 953 088	30.61
59	96 239	268	0.99721	0.00279	0.00269	96 106	2 856 723	29.68
60	95 970	291	0.99696	0.00304	0.00291	95 827	2 760 617	28.77
61	95 679	318	0.99667	0.00333	0.00318	95 522	2 664 790	27.85
62	95 361	346	0.99638	0.00362	0.00348	95 190	2 569 268	26.94
63	95 015	372	0.99609	0.00391	0.00378	94 832	2 474 078	26.04
64	94 643	399	0.99578	0.00422	0.00406	94 446	2 379 246	25.14
65	94 244	433	0.99540	0.00460	0.00441	94 031	2 284 800	24.24
66	93 811	471	0.99498	0.00502	0.00482	93 579	2 190 769	23.35
67	93 340	511	0.99453	0.00547	0.00526	93 088	2 097 190	22.47
68	92 829	554	0.99403	0.00597	0.00573	92 556	2 004 102	21.59
69	92 275	603	0.99346	0.00654	0.00626	91 978	1 911 547	20.72
70	91 672	662	0.99278	0.00722	0.00688	91 346	1 819 569	19.85
71	91 010	729	0.99200	0.00800	0.00762	90 651	1 728 223	18.99
72	90 281	802	0.99112	0.00888	0.00847	89 887	1 637 572	18.14
73	89 480	874	0.99023	0.00977	0.00936	89 049	1 547 685	17.30
74	88 606	954	0.98923	0.01077	0.01029	88 136	1 458 636	16.46
75	87 652	1 053	0.98798	0.01202	0.01140	87 135	1 370 500	15.64
76	86 599	1 180	0.98637	0.01363	0.01284	86 020	1 283 365	14.82
77	85 419	1 332	0.98441	0.01559	0.01466	84 766	1 197 345	14.02
78	84 087	1 505	0.98211	0.01789	0.01682	83 350	1 112 579	13.23
79	82 582	1 699	0.97943	0.02057	0.01936	81 750	1 029 229	12.46
80	80 883	1 909	0.97639	0.02361	0.02227	79 947	947 479	11.71
81	78 974	2 143	0.97286	0.02714	0.02560	77 923	867 532	10.99
82	76 831	2 409	0.96864	0.03136	0.02956	75 649	789 609	10.28
83	74 422	2 701	0.96370	0.03630	0.03429	73 096	713 959	9.59
84	71 720	3 004	0.95812	0.04188	0.03976	70 244	640 864	8.94
85	68 716	3 310	0.95184	0.04816	0.04593	67 087	570 620	8.30
86	65 407	3 622	0.94462	0.05538	0.05298	63 622	503 533	7.70
87	61 784	3 938	0.93627	0.06373	0.06118	59 842	439 911	7.12
88	57 847	4 253	0.92648	0.07352	0.07085	55 745	380 069	6.57
89	53 594	4 531	0.91546	0.08454	0.08208	51 350	324 323	6.05
90	49 063	4 757	0.90305	0.09695	0.09485	46 701	272 974	5.56
91	44 306	4 918	0.88900	0.11100	0.10940	41 859	226 273	5.11
92	39 389	5 025	0.87243	0.12757	0.12656	36 881	184 414	4.68
93	34 364	5 024	0.85381	0.14619	0.14682	31 846	147 533	4.29
94	29 340	4 876	0.83380	0.16620	0.16949	26 884	115 686	3.94
95	24 464	4 598	0.81204	0.18796	0.19609	22 135	88 802	3.63
96	19 866	4 132	0.79202	0.20798	0.22051	17 756	66 667	3.36
97	15 734	3 594	0.77161	0.22839	0.24603	13 890	48 911	3.11
98	12 140	3 025	0.75083	0.24917	0.27272	10 580	35 021	2.88
99	9 115	2 464	0.72970	0.27030	0.30063	7 838	24 441	2.68
100	6 652	1 941	0.70825	0.29175	0.32981	5 640	16 603	2.50
101	4 711	1 477	0.68649	0.31351	0.36033	3 937	10 963	2.33
102	3 234	1 085	0.66446	0.33554	0.39223	2 662	7 026	2.17
103	2 149	769	0.64217	0.35783	0.42559	1 741	4 364	2.03
104	1 380	525	0.61967	0.38033	0.46047	1 100	2 623	1.90
105	855	345	0.59699	0.40301	0.49694	670	1 523	1.78
106	510	217	0.57415	0.42585	0.53507	393	853	1.67
107	293	132	0.55121	0.44879	0.57494	222	460	1.57
108	162	76	0.52821	0.47179	0.61663	120	238	1.48
109	85	42	0.50518	0.49482	0.66022	62	118	1.39
110	43	22	0.48217	0.51783	0.70580	31	56	1.31
111	21	11	0.45924	0.54076	0.75346	15	26	1.23
112	10	5	0.43642	0.56358	0.80329	7	11	1.16
113	4	2	0.41378	0.58622	0.85539	3	5	1.10
114	2	1	0.39136	0.60864	0.90987	1	2	1.04
115	1	0	0.36921	0.63079	0.96683	0	1	0.98