

# Health State Life Table

## The Complete Life Table Including Life Expectancy and Health State Estimation

Data Introduction and Mortality Calculation				Life Expectancy Estimation				Health State Estimation						
Age Category	Deaths	Population	Mortality	100,000 population Sx and Number of Deaths dx		Survivorship	Txe(S(Lx))	Life Expectancy	Death Distribution	Maximum Value of k	Age at Zero Health (Years)	Max Health State Level	Total Health State	Expected Healthy Age (Years)
x	Dx	Px	qx	Sx	dx	Lx	Tx	ex	g(x)	kx	Hx	Hx_Total	x_exp	
0	15722	1947719	0.00807	100000	798	99258	7406517	74.1	0.0079834	0.00282	-	3.02	3.02	0.00139
1	1090	1951304	0.00056	99202	55	99174	7307260	73.7	0.0005541	0.00055	-	4.63	4.63	0.00427
2	746	1929817	0.00039	99146	38	99127	7208086	72.7	0.0003833	0.00108	-	6.34	6.34	0.01168
3	558	1963473	0.00028	99108	28	99094	7108959	71.7	0.0002817	0.00146	-	7.65	7.65	0.02113
4	430	2009608	0.00021	99080	21	99069	7009865	70.7	0.0002120	0.00170	-	8.77	8.77	0.03229
5	430	2040493	0.00021	99059	21	99048	6910796	69.8	0.0002088	0.00233	-	9.64	9.64	0.04437
6	380	2061740	0.00018	99038	18	99029	6811748	68.8	0.0001826	0.00268	-	10.48	10.48	0.05789
7	347	2117611	0.00016	99019	16	99011	6712719	67.8	0.0001623	0.00301	-	11.25	11.25	0.07250
8	349	2133163	0.00016	99003	16	98995	6613708	66.8	0.0001620	0.00367	-	11.89	11.89	0.08760
9	344	2185397	0.00016	98987	16	98979	6514713	65.8	0.0001558	0.00421	-	12.52	12.52	0.10371
10	390	2168849	0.00018	98971	18	98963	6415734	64.8	0.0001780	0.00563	-	12.97	12.97	0.11942
11	441	2096683	0.00021	98954	21	98943	6316771	63.8	0.0002082	0.00759	-	13.36	13.36	0.13529
12	462	2074088	0.00022	98933	22	98922	6217828	62.8	0.0002204	0.00916	-	13.79	13.79	0.15236
13	533	2043684	0.00026	98911	26	98898	6118906	61.9	0.0002580	0.01209	-	14.10	14.10	0.16876
14	725	2085078	0.00035	98885	34	98868	6020008	60.9	0.0003439	0.01801	-	14.25	14.25	0.18363
15	1019	2051531	0.00050	98851	49	98826	5922141	59.9	0.0004910	0.02852	-	14.27	14.27	0.19709
16	1493	2052133	0.00073	98801	72	98766	5822315	58.9	0.0007187	0.04600	-	14.21	14.21	0.20934
17	1952	2106390	0.00093	98730	91	98684	5723549	58.0	0.0009147	0.06412	-	14.26	14.26	0.22315
18	2441	2018846	0.00121	98638	119	98579	5624865	57.0	0.0011917	0.09101	-	14.23	14.23	0.23590
19	2794	2154854	0.00130	98519	128	98455	5526287	56.1	0.0012764	0.10571	-	14.43	14.43	0.25240
20	2813	2045772	0.00137	98391	135	98324	5427831	55.2	0.0013518	0.12091	-	14.62	14.62	0.26923
21	2856	1940629	0.00147	98256	144	98184	5329508	54.2	0.0014448	0.13904	-	14.79	14.79	0.28586
22	2850	1920234	0.00138	98112	135	98044	5231324	53.3	0.0013529	0.13960	-	15.13	15.13	0.30640
23	2547	1849533	0.00138	97976	135	97909	5133280	52.4	0.0013481	0.13870	-	15.37	15.37	0.32553
24	2513	1847714	0.00136	97842	133	97775	5035371	51.5	0.0013296	0.15633	-	15.63	15.63	0.34530
25	2406	1895007	0.00127	97706	124	97647	4937596	50.5	0.0012396	0.15495	-	15.96	15.96	0.36742
26	2350	1833648	0.00128	97585	125	97522	4839949	49.6	0.0012496	0.16567	-	16.17	16.17	0.38712
27	2484	1947024	0.00128	97460	124	97398	4742427	48.7	0.0012424	0.17430	-	16.40	16.40	0.40759
28	2562	2007486	0.00128	97335	124	97273	4645030	47.7	0.0012412	0.18391	-	16.61	16.61	0.42812
29	2822	2161301	0.00131	97211	127	97148	4547756	46.8	0.0012683	0.19807	-	16.67	16.67	0.44785
30	2766	2148970	0.00129	97084	125	97022	4450608	45.8	0.0012487	0.20517	-	17.00	17.00	0.46950
31	2890	2000666	0.00144	96960	140	96890	4353586	44.9	0.0013994	0.24155	-	16.98	16.98	0.48474
32	2919	2012900	0.00145	96820	140	96750	4256697	44.0	0.0014029	0.25395	-	17.16	17.16	0.50564
33	3167	2007809	0.00158	96679	152	96603	4159947	43.0	0.0015237	0.28884	-	17.18	17.18	0.52206
34	3534	2142229	0.00165	96527	159	96447	4063344	42.1	0.0015910	0.31542	-	17.27	17.27	0.54057
35	3862	2283372	0.00169	96368	163	96286	3966897	41.2	0.0016285	0.33721	-	17.39	17.39	0.56028
36	4276	2243841	0.00191	96205	183	96113	3870610	40.3	0.0018316	0.39563	-	17.30	17.30	0.57355
37	4625	2292937	0.00202	96022	193	95925	3774497	39.2	0.0019349	0.43548	-	17.34	17.34	0.59068
38	5100	2188812	0.00233	95828	223	95717	3678572	38.4	0.0022303	0.52245	-	17.17	17.17	0.60085
39	5394	2368787	0.00228	95605	217	95497	3582855	37.5	0.0021747	0.52966	-	17.37	17.37	0.62362
40	6004	2324242	0.00258	95388	246	95265	3487358	36.6	0.0024611	0.62261	-	17.22	17.22	0.63407
41	6294	2196775	0.00286	95142	272	95006	3392093	35.7	0.0027218	0.71455	-	17.10	17.10	0.64566
42	6733	2258301	0.00298	94870	282	94728	3297087	34.8	0.0028241	0.76870	-	17.13	17.13	0.66253
43	7341	2148761	0.00342	94587	323	94426	3202359	33.9	0.0032259	0.90960	-	16.91	16.91	0.66960
44	7682	2140131	0.00359	94265	338	94096	3107933	33.0	0.0033775	0.98577	-	16.90	16.90	0.68467
45	8172	2136333	0.00383	93927	359	93748	3013837	32.1	0.0035861	1.08253	-	16.84	16.84	0.69785
46	8581	1979923	0.00433	93568	405	93366	2920090	31.2	0.0040465	1.26247	-	16.61	16.61	0.70343
47	9018	2005433	0.00450	93164	418	92955	2826724	30.3	0.0041801	1.34688	-	16.61	16.61	0.71861
48	9533	1807682	0.00527	92746	488	92502	2733769	29.5	0.0048783	1.62231	-	16.24	16.24	0.71777
49	9827	1914812	0.00513	92258	472	92022	2641268	28.6	0.0047228	1.61993	-	16.41	16.41	0.74051
50	10259	1839243	0.00558	91785	511	91530	2549246	27.8	0.0051052	1.80495	-	16.25	16.25	0.74813
51	10617	1770066	0.00600	91275	546	91002	2457716	26.9	0.0054582	1.98794	-	16.11	16.11	0.75647
52	11491	1860852	0.00618	90729	559	90450	2366714	26.1	0.0055853	2.09436	-	16.10	16.10	0.77080
53	12367	1606643	0.00770	90171	691	89825	2276264	25.2	0.0069142	2.66782	-	15.45	15.45	0.75366
54	10558	1412863	0.00747	89479	666	89146	2186439	24.4	0.0066614	2.64337	-	15.62	15.62	0.77667
55	11501	1377896	0.00835	88813	738	88444	2097293	23.6	0.0073821	3.01109	-	15.30	15.30	0.77499
56	12337	1396070	0.00884	88075	775	87687	2008849	22.8	0.0077489	3.24730	-	15.17	15.17	0.78198
57	13600	1362680	0.00998	87300	867	86886	1921162	22.0	0.0086698	3.73096	-	14.78	14.78	0.77540
58	13359	1172343	0.01140	86433	979	85943	1834295	21.2	0.0097935	4.32959	-	14.32	14.32	0.76453
59	13643	1144681	0.01192	85454	1012	84947	1748352	20.5	0.0101248	4.58843	-	14.20	14.20	0.77120
60	14155	1104585	0.01282	84441	1075	83903	1663405	19.7	0.0107524	4.99727	-	13.95	13.95	0.77088
61	14661	1055357	0.01389	83366	1160	82791	1579501	18.9	0.0115010	5.47935	-	13.67	13.67	0.76748
62	15836	1019116	0.01542	82216	1268	81582	1496710	18.2	0.0126769	6.18871	-	13.22	13.22	0.75451
63	16515	967471	0.01707	80948	1370	80263	1415128	17.5	0.0137012	6.85123	-	12.83	12.83	0.74443
64	17748	969682	0.01835	79578	1447	78854	1334865	16.8	0.0144732	7.41029	-	12.54	12.54	0.73900
65	18619	933585	0.01994	78131	1543	77359	1256011	16.1	0.0154278	8.08490	-	12.18	12.18	0.72908
66	18965	863707	0.02196	76588	1663	75756	1178652	15.4	0.0166340	8.91893	-	11.74	11.74	0.71317
67	20663	881318	0.02345	74924	1736	74056	1102896	14.7	0.0173630	9.52218	-	11.45	11.45	0.70620
68	22087	856510	0.02579	73188	1864	72256	1028939	14.1	0.0186376	10.45088	-	10.97	10.97	0.68866
69	23627	867806	0.02723	71324	1916	70366	956583	13.4	0.0191623	10.98299	-	10.74	10.74	0.68208
70	25696	840143	0.03050	69408	2091	68363	886217	12.8	0.0209092	12.24571	-	10.09	10.09	0.64998
71	27014	802794	0.03365	67317	2228	66203	817854	12.1	0.0222771	13.32744	-	9.55	9.55	0.62409
72	29174	786484	0.03709	65090	2370	63904	751651	11.5	0.0237049	14.48229	-	8.97	8.97	0.59463
73	30304	748131	0.04051	62719	2490	61474	687746	11.0	0.0249012	15.53118	-	8.45	8.45	0.56782
74	31320	722627	0.04334	60229	2555	59851	626272	10.4	0					