

Department of Statistics, MOI: **Abridged life table of Taiwan, 2019. Total and regions.**  
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*Notes:*

Complete life tables are calculated based on abridged life tables applying the interpolation method described in **Kay Huan Lin (1979): Vital Statistics. Commissioner of the National Committee on Life Tables; Ministry of Interior, Republic of China.**

Regional life tables are calculated by three year period data. For instance, 2019 life table is calculated with data corresponding to the period 2017-2019, the 2018 is built with the 2016-2018 data and so on.

**Table 19. Abridged life table: Keelung City**  
2019

Age X	Probability of death $q_x$	Number of survivors $l_x$	Numbers of death $d_x$	Stationary population		Life expectancy $e^o_x$
				$L_x$	$T_x$	
0M	0.00317	100000	317	8320	7999616	80.00
1M	0.00036	99683	36	8305	7991296	80.17
2M	0.00032	99646	32	8303	7982991	80.11
3M	0.00061	99615	61	24896	7974688	80.06
6M	0.00056	99554	56	49763	7949792	79.85
0	0.00502	100000	502	99587	7999616	80.00
1	0.00000	99498	0	99498	7900029	79.40
2	0.00000	99498	0	99498	7800531	78.40
3	0.00001	99498	1	99497	7701034	77.40
4	0.00000	99497	0	99497	7601536	76.40
5	0.00000	99497	0	99497	7502039	75.40
6	0.00000	99497	0	99497	7402542	74.40
7	0.00002	99497	2	99496	7303045	73.40
8	0.00007	99495	7	99491	7203549	72.40
9	0.00013	99488	13	99481	7104058	71.41
10	0.00020	99474	20	99464	7004577	70.42
11	0.00027	99454	27	99441	6905113	69.43
12	0.00031	99428	31	99412	6805672	68.45
13	0.00032	99397	32	99381	6706260	67.47
14	0.00030	99365	30	99350	6606879	66.49
15	0.00027	99335	27	99321	6507530	65.51
16	0.00025	99307	25	99295	6408209	64.53
17	0.00027	99282	27	99269	6308914	63.55
18	0.00033	99255	32	99239	6209645	62.56
19	0.00042	99223	41	99203	6110406	61.58
20	0.00051	99182	51	99156	6011203	60.61
21	0.00059	99131	59	99102	5912047	59.64
22	0.00064	99072	63	99041	5812945	58.67
23	0.00063	99009	62	98978	5713904	57.71
24	0.00058	98947	57	98919	5614926	56.75
25	0.00052	98890	51	98865	5516007	55.78
26	0.00046	98839	46	98816	5417143	54.81
27	0.00043	98793	43	98772	5318326	53.83
28	0.00044	98751	43	98729	5219554	52.86
29	0.00047	98707	46	98684	5120825	51.88
30	0.00053	98661	52	98635	5022141	50.90
31	0.00060	98609	59	98579	4923507	49.93
32	0.00070	98550	69	98515	4824927	48.96
33	0.00083	98480	82	98439	4726413	47.99
34	0.00098	98398	97	98350	4627973	47.03
35	0.00115	98302	113	98245	4529623	46.08
36	0.00132	98189	130	98124	4431378	45.13
37	0.00148	98059	145	97986	4333254	44.19
38	0.00163	97914	160	97834	4235268	43.26
39	0.00178	97754	174	97667	4137434	42.33

**Table 19. Abridged life table: Keelung City(cont. 1)**

2019

Total

Age X	Probability of death $q_x$	Number of survivors $l_x$	Numbers of death $d_x$	Stationary population		Life expectancy $e^o_x$
				$L_x$	$T_x$	
40	0.00192	97580	187	97486	4039767	41.40
41	0.00206	97393	200	97293	3942281	40.48
42	0.00219	97192	213	97086	3844988	39.56
43	0.00232	96979	225	96867	3747903	38.65
44	0.00244	96754	236	96636	3651036	37.74
45	0.00258	96518	249	96394	3554400	36.83
46	0.00275	96269	265	96137	3458006	35.92
47	0.00299	96004	287	95861	3361870	35.02
48	0.00331	95717	317	95558	3266009	34.12
49	0.00370	95400	353	95224	3170451	33.23
50	0.00411	95047	391	94852	3075227	32.35
51	0.00453	94656	429	94442	2980375	31.49
52	0.00490	94227	462	93996	2885934	30.63
53	0.00522	93765	490	93520	2791937	29.78
54	0.00551	93275	514	93019	2698417	28.93
55	0.00579	92762	537	92493	2605399	28.09
56	0.00609	92225	562	91944	2512905	27.25
57	0.00645	91663	592	91367	2420962	26.41
58	0.00689	91071	628	90757	2329595	25.58
59	0.00740	90443	669	90109	2238837	24.75
60	0.00790	89774	710	89419	2148729	23.93
61	0.00845	89065	752	88689	2059309	23.12
62	0.00903	88312	797	87914	1970621	22.31
63	0.00966	87515	846	87092	1882707	21.51
64	0.01038	86669	900	86219	1795615	20.72
65	0.01120	85769	960	85289	1709396	19.93
66	0.01214	84809	1030	84294	1624107	19.15
67	0.01322	83779	1108	83225	1539812	18.38
68	0.01446	82671	1195	82074	1456587	17.62
69	0.01586	81476	1292	80830	1374513	16.87
70	0.01746	80184	1400	79484	1293683	16.13
71	0.01927	78784	1518	78025	1214199	15.41
72	0.02129	77266	1645	76443	1136175	14.70
73	0.02353	75621	1779	74731	1059731	14.01
74	0.02596	73841	1917	72883	985000	13.34
75	0.02858	71924	2056	70896	912118	12.68
76	0.03137	69868	2192	68773	841221	12.04
77	0.03437	67677	2326	66514	772449	11.41
78	0.03764	65351	2460	64121	705935	10.80
79	0.04123	62891	2593	61594	641814	10.21
80	0.04515	60298	2722	58937	580220	9.62
81	0.04942	57576	2846	56153	521283	9.05
82	0.05410	54730	2961	53250	465130	8.50
83	0.05920	51769	3065	50237	411880	7.96
84	0.06477	48705	3154	47127	361643	7.43
85+	1.00000	44267	44267	303375	303375	6.85

**Table 19. Abridged life table: Keelung City(cont. 2)**

2019

Male

Age X	Probability of death $q_x$	Number of survivors $l_x$	Numbers of death $d_x$	Stationary population		Life expectancy $e^o_x$
				$L_x$	$T_x$	
0M	0.00317	100000	317	8320	7684970	76.85
1M	0.00039	99683	39	8305	7676650	77.01
2M	0.00032	99645	32	8302	7668345	76.96
3M	0.00053	99613	52	24897	7660043	76.90
6M	0.00059	99561	59	49766	7635146	76.69
0	0.00498	100000	498	99590	7684970	76.85
1	0.00000	99502	0	99502	7585380	76.23
2	0.00000	99502	0	99502	7485878	75.23
3	0.00000	99502	0	99502	7386376	74.23
4	0.00000	99501	0	99501	7286875	73.23
5	0.00000	99501	0	99501	7187373	72.23
6	0.00001	99501	1	99501	7087872	71.23
7	0.00004	99501	4	99499	6988371	70.23
8	0.00010	99496	10	99492	6888872	69.24
9	0.00017	99487	16	99479	6789381	68.24
10	0.00024	99470	24	99459	6689902	67.26
11	0.00031	99447	30	99432	6590443	66.27
12	0.00036	99416	35	99399	6491012	65.29
13	0.00038	99381	38	99362	6391613	64.31
14	0.00038	99343	38	99324	6292251	63.34
15	0.00037	99305	37	99287	6192927	62.36
16	0.00037	99269	37	99250	6093640	61.39
17	0.00041	99232	40	99212	5994389	60.41
18	0.00050	99191	49	99167	5895178	59.43
19	0.00062	99142	62	99111	5796011	58.46
20	0.00075	99081	74	99044	5696899	57.50
21	0.00085	99007	84	98965	5597856	56.54
22	0.00089	98923	88	98879	5498891	55.59
23	0.00085	98835	84	98793	5400012	54.64
24	0.00076	98751	75	98714	5301218	53.68
25	0.00065	98677	64	98645	5202504	52.72
26	0.00054	98613	54	98586	5103859	51.76
27	0.00047	98559	47	98536	5005274	50.78
28	0.00044	98513	44	98491	4906738	49.81
29	0.00045	98469	44	98447	4808247	48.83
30	0.00050	98425	49	98400	4709800	47.85
31	0.00059	98376	58	98347	4611400	46.88
32	0.00075	98318	73	98281	4513053	45.90
33	0.00098	98245	96	98196	4414772	44.94
34	0.00128	98148	126	98085	4316575	43.98
35	0.00161	98022	158	97943	4218490	43.04
36	0.00194	97864	189	97770	4120547	42.10
37	0.00221	97675	216	97567	4022777	41.19
38	0.00243	97459	237	97340	3925210	40.28
39	0.00261	97221	254	97095	3827870	39.37

**Table 19. Abridged life table: Keelung City(cont. 3)**

2019

Male

Age X	Probability of death $q_x$	Number of survivors $l_x$	Numbers of death $d_x$	Stationary population		Life expectancy $e^o_x$
				$L_x$	$T_x$	
40	0.00277	96968	268	96834	3730776	38.47
41	0.00293	96699	283	96558	3633942	37.58
42	0.00311	96416	300	96266	3537384	36.69
43	0.00330	96117	317	95958	3441118	35.80
44	0.00352	95799	337	95631	3345160	34.92
45	0.00376	95462	359	95283	3249529	34.04
46	0.00405	95103	385	94911	3154247	33.17
47	0.00442	94718	419	94509	3059336	32.30
48	0.00489	94300	461	94069	2964826	31.44
49	0.00545	93838	512	93583	2870757	30.59
50	0.00604	93327	563	93045	2777175	29.76
51	0.00660	92764	612	92458	2684129	28.94
52	0.00707	92152	651	91826	2591672	28.12
53	0.00741	91501	678	91161	2499846	27.32
54	0.00767	90822	697	90474	2408684	26.52
55	0.00792	90126	714	89769	2318210	25.72
56	0.00822	89412	735	89045	2228441	24.92
57	0.00864	88678	766	88295	2139396	24.13
58	0.00922	87912	810	87507	2051102	23.33
59	0.00993	87102	865	86669	1963595	22.54
60	0.01068	86237	921	85776	1876926	21.76
61	0.01150	85315	981	84825	1791150	20.99
62	0.01235	84335	1042	83814	1706325	20.23
63	0.01327	83293	1106	82740	1622511	19.48
64	0.01429	82187	1174	81600	1539771	18.73
65	0.01541	81013	1248	80389	1458171	18.00
66	0.01664	79765	1328	79101	1377782	17.27
67	0.01799	78437	1411	77731	1298681	16.56
68	0.01949	77026	1501	76275	1220950	15.85
69	0.02117	75525	1599	74726	1144674	15.16
70	0.02310	73926	1707	73073	1069949	14.47
71	0.02531	72219	1828	71305	996876	13.80
72	0.02783	70391	1959	69412	925571	13.15
73	0.03063	68433	2096	67385	856159	12.51
74	0.03367	66337	2234	65220	788775	11.89
75	0.03691	64103	2366	62920	723555	11.29
76	0.04033	61737	2490	60492	660635	10.70
77	0.04395	59247	2604	57945	600143	10.13
78	0.04790	56643	2713	55287	542197	9.57
79	0.05219	53930	2815	52523	486911	9.03
80	0.05686	51115	2906	49662	434388	8.50
81	0.06192	48209	2985	46716	384726	7.98
82	0.06743	45224	3049	43699	338010	7.47
83	0.07340	42174	3096	40626	294311	6.98
84	0.07988	39079	3122	37518	253685	6.49
85+	1.00000	34972	34972	226217	226217	6.47

**Table 19. Abridged life table: Keelung City(cont. 4)**

2019

Female

Age X	Probability of death $q_x$	Number of survivors $l_x$	Numbers of death $d_x$	Stationary population		Life expectancy $e^o_x$
				$L_x$	$T_x$	
0M	0.00318	100000	318	8320	8345724	83.46
1M	0.00034	99682	33	8305	8337404	83.64
2M	0.00032	99648	32	8303	8329098	83.58
3M	0.00070	99617	70	24895	8320795	83.53
6M	0.00054	99547	53	49760	8295900	83.34
0	0.00507	100000	507	99584	8345724	83.46
1	0.00000	99493	0	99493	8246140	82.88
2	0.00000	99493	0	99493	8146646	81.88
3	0.00000	99493	0	99493	8047153	80.88
4	0.00000	99493	0	99493	7947660	79.88
5	0.00000	99493	0	99493	7848168	78.88
6	0.00000	99493	0	99493	7748675	77.88
7	0.00001	99493	1	99492	7649182	76.88
8	0.00005	99491	5	99489	7549690	75.88
9	0.00010	99487	10	99481	7450201	74.89
10	0.00017	99476	17	99468	7350720	73.89
11	0.00022	99460	22	99449	7251252	72.91
12	0.00026	99438	26	99425	7151803	71.92
13	0.00026	99412	25	99399	7052378	70.94
14	0.00022	99386	22	99375	6952979	69.96
15	0.00017	99364	17	99356	6853604	68.97
16	0.00013	99347	13	99341	6754248	67.99
17	0.00011	99335	11	99329	6654906	66.99
18	0.00014	99324	14	99317	6555577	66.00
19	0.00019	99310	19	99300	6456261	65.01
20	0.00026	99291	26	99278	6356960	64.02
21	0.00032	99265	32	99249	6257683	63.04
22	0.00036	99233	36	99215	6158433	62.06
23	0.00038	99197	38	99178	6059218	61.08
24	0.00038	99160	38	99141	5960040	60.11
25	0.00038	99122	37	99103	5860899	59.13
26	0.00037	99085	37	99066	5761795	58.15
27	0.00039	99048	39	99028	5662729	57.17
28	0.00043	99009	43	98988	5563701	56.19
29	0.00049	98966	48	98942	5464713	55.22
30	0.00055	98918	55	98891	5365771	54.24
31	0.00061	98863	60	98833	5266881	53.27
32	0.00065	98803	65	98770	5168048	52.31
33	0.00067	98738	66	98705	5069277	51.34
34	0.00067	98672	66	98639	4970572	50.37
35	0.00067	98606	66	98573	4871933	49.41
36	0.00068	98540	67	98506	4773361	48.44
37	0.00073	98472	72	98436	4674855	47.47
38	0.00082	98400	80	98360	4576419	46.51
39	0.00093	98320	92	98274	4478058	45.55

**Table 19. Abridged life table: Keelung City(cont. end)**

2019

Female

Age X	Probability of death $q_x$	Number of survivors $l_x$	Numbers of death $d_x$	Stationary population		Life expectancy $e^o_x$
				$L_x$	$T_x$	
40	0.00107	98228	105	98176	4379784	44.59
41	0.00119	98124	117	98065	4281608	43.63
42	0.00129	98007	126	97944	4183543	42.69
43	0.00135	97881	132	97815	4085599	41.74
44	0.00138	97749	135	97682	3987784	40.80
45	0.00141	97614	138	97545	3890103	39.85
46	0.00147	97477	143	97405	3792557	38.91
47	0.00157	97334	153	97257	3695152	37.96
48	0.00173	97181	168	97097	3597895	37.02
49	0.00194	97013	188	96919	3500798	36.09
50	0.00218	96825	211	96719	3403880	35.16
51	0.00244	96613	236	96495	3307161	34.23
52	0.00272	96377	262	96246	3210666	33.31
53	0.00302	96115	290	95970	3114420	32.40
54	0.00332	95825	318	95666	3018450	31.50
55	0.00364	95506	348	95332	2922784	30.60
56	0.00396	95158	377	94970	2827452	29.71
57	0.00428	94781	406	94579	2732482	28.83
58	0.00460	94376	434	94159	2637903	27.95
59	0.00493	93942	463	93710	2543745	27.08
60	0.00522	93478	488	93234	2450035	26.21
61	0.00554	92990	515	92733	2356800	25.34
62	0.00589	92475	545	92203	2264068	24.48
63	0.00628	91930	578	91641	2171865	23.63
64	0.00675	91353	617	91044	2080224	22.77
65	0.00732	90736	664	90404	1989179	21.92
66	0.00803	90072	723	89710	1898775	21.08
67	0.00889	89349	794	88952	1809065	20.25
68	0.00992	88555	879	88115	1720113	19.42
69	0.01112	87676	975	87189	1631998	18.61
70	0.01247	86701	1081	86160	1544810	17.82
71	0.01399	85620	1197	85021	1458649	17.04
72	0.01566	84422	1322	83761	1373628	16.27
73	0.01750	83100	1455	82373	1289867	15.52
74	0.01953	81646	1595	80848	1207494	14.79
75	0.02175	80051	1741	79181	1126645	14.07
76	0.02415	78310	1892	77365	1047465	13.38
77	0.02680	76419	2048	75395	970100	12.69
78	0.02974	74371	2212	73265	894705	12.03
79	0.03299	72159	2380	70969	821440	11.38
80	0.03659	69779	2553	68502	750472	10.76
81	0.04057	67225	2727	65862	681970	10.14
82	0.04498	64498	2901	63048	616108	9.55
83	0.04985	61597	3071	60062	553060	8.98
84	0.05524	58526	3233	56910	492999	8.42
85+	1.00000	53190	53190	386866	386866	7.27