

LIFE TABLE FOR GUAM, USA 1979-1981

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LIFE TABLE FOR GUAM, USA 1979-1981 BOTH SEXES

N	Ages X	Popn 1980	Popn (3 Years)	Deaths 1979-1981	nMx	Intermediate Variables		q	p	l	L	T	e
						N.nMx	2N.nMx	n x	n x	x	n x	n x	x
1	0	2,858	8,574	114	.01330	.01330	.02659	.01272	.98728	100,000	99,110	7,234,293	72.3429
4	1	10,144	30,432	17	.00056	.00223	.00447	.00223	.99777	98,728	394,471	7,135,184	72.2711
5	5	12,632	37,896	10	.00026	.00132	.00264	.00132	.99868	98,508	492,213	6,740,712	68.4283
5	10	11,338	34,014	9	.00026	.00132	.00265	.00132	.99868	98,378	491,564	6,248,499	63.5154
5	15	10,993	32,979	35	.00106	.00531	.01061	.00529	.99471	98,248	489,939	5,756,935	58.5961
5	20	11,108	33,324	47	.00141	.00705	.01410	.00703	.99297	97,728	486,922	5,266,997	53.8946
5	25	10,324	30,972	48	.00155	.00775	.01550	.00772	.99228	97,041	483,332	4,780,075	49.2583
5	30	9,289	27,867	41	.00147	.00736	.01471	.00733	.99267	96,292	479,695	4,296,743	44.6221
5	35	6,246	18,738	29	.00155	.00774	.01548	.00771	.99229	95,586	476,089	3,817,048	39.9331
5	40	5,049	15,147	41	.00271	.01353	.02707	.01344	.98656	94,849	471,059	3,340,959	35.2239
5	45	4,189	12,567	56	.00446	.02228	.04456	.02204	.97796	93,574	462,717	2,869,900	30.6698
5	50	3,983	11,949	94	.00787	.03933	.07867	.03858	.96142	91,512	448,736	2,407,183	26.3045
5	55	2,914	8,742	106	.01213	.06063	.12125	.05884	.94116	87,982	426,968	1,958,447	22.2596
5	60	1,927	5,781	115	.01989	.09946	.19893	.09475	.90525	82,805	394,411	1,531,479	18.4950
5	65	1,418	4,254	136	.03197	.15985	.31970	.14802	.85198	74,959	347,057	1,137,068	15.1692
5	70	809	2,427	100	.04120	.20602	.41203	.18678	.81322	63,864	289,498	790,011	12.3702
5	75	456	1,368	88	.06433	.32164	.64327	.27708	.72292	51,936	223,702	500,512	9.6372
5	80	180	540	52	.09630	.48148	.96296	.38806	.61194	37,545	151,302	276,810	7.3727
	85	122	366	67	.18306					22,976	125,508	125,508	5.4627

CALCULATING PROCEDURES:

$$q = \frac{\begin{matrix} 1 & 2 & 3 \\ D & + & D & + & D \\ 0 & 0 & 0 \end{matrix}}{\begin{matrix} 1 & 2 & 3 \\ B & + & B & + & B \\ 0 & 0 & 0 \end{matrix}}$$

$$q = \frac{2NnMx}{2 + NnMx}$$

$$p = 1 - q$$

$$l_{x+n} = l_x + n \cdot p_x$$

$$L = .3 l_x + .7 l_{x+1}$$

$$nMx = \frac{l_x (x + x + 1)}{2}$$

$$75 = \frac{l_x}{M_x}$$

$$T = l_x + nM_x$$

$$e_x = \frac{T_x}{l_x}$$

LIFE TABLE FOR GUAM, USA 1979-1981 FEMALES

N	Ages X	Popn 1980	Popn (3 Years)	Deaths 1979-1981	nMx	Intermediate Variables N.nMx	2N.nMx	q n x	p n x	l x	L n x	T n x	e x
1	0	1,437	4,311	60	.01392	.01392	.02784	.01367	.98633	100,000	99,043	7,559,484	75.5948
4	1	4,945	14,835	7	.00047	.00189	.00377	.00189	.99811	98,633	394,160	7,460,441	75.6384
5	5	6,174	18,522	4	.00022	.00108	.00216	.00108	.99892	98,447	491,969	7,066,281	71.7775
5	10	5,503	16,509	2	.00012	.00061	.00121	.00061	.99939	98,341	491,555	6,574,311	66.8524
5	15	5,144	15,432	12	.00078	.00389	.00778	.00388	.99612	98,281	490,453	6,082,756	61.8913
5	20	5,089	15,267	9	.00059	.00295	.00590	.00294	.99706	97,900	488,779	5,592,304	57.1227
5	25	5,130	15,390	14	.00091	.00455	.00910	.00454	.99546	97,612	486,951	5,103,525	52.2839
5	30	4,435	13,305	8	.00060	.00301	.00601	.00300	.99700	97,169	485,114	4,616,574	47.5109
5	35	2,866	8,580	14	.00163	.00816	.01632	.00813	.99187	96,877	482,417	4,131,459	42.6464
5	40	2,399	7,197	11	.00153	.00764	.01528	.00761	.99239	96,090	478,621	3,649,042	37.9753
5	45	2,018	6,054	10	.00165	.00826	.01652	.00823	.99177	95,358	474,831	3,170,422	33.2474
5	50	1,745	5,235	27	.00516	.02579	.05158	.02546	.97454	94,574	466,851	2,695,591	28.5024
5	55	1,280	3,840	35	.00911	.04557	.09115	.04456	.95544	92,166	450,564	2,228,740	24.1818
5	60	919	2,757	38	.01378	.06892	.13783	.06662	.93338	88,059	425,631	1,778,176	20.1929
5	65	689	2,067	53	.02564	.12821	.25641	.12048	.87952	82,193	386,208	1,352,545	16.4557
5	70	417	1,251	48	.03837	.19185	.38369	.17505	.82495	72,290	329,814	966,337	13.3675
5	75	271	813	41	.05043	.25215	.50431	.22392	.77608	59,635	264,793	636,523	10.6736
5	80	112	336	31	.09226	.46131	.92262	.37485	.62515	46,282	188,037	371,729	8.0319
	85	91	273	43	.15751					28,933	183,692	183,692	6.3488

CALCULATING PROCEDURES:

$$q = \frac{\begin{matrix} 1 & 2 & 3 \\ D & + & D & + & D \\ o & o & o \end{matrix}}{\begin{matrix} 1 & 2 & 3 \\ B & + & B & + & B \\ o & o & o \end{matrix}}$$

$$q = \frac{2NnMx}{2 + NnMx}$$

$$p = \frac{q}{n x} = 1 - n x$$

$$l = \frac{l}{x + n} = \frac{l}{x + n x}$$

$$L = \frac{l}{o} = .3 o + .7 l$$

$$L = \frac{l}{n x} = \frac{n(x + x + 1)}{2}$$

$$l = \frac{l}{x}$$

$$T = \frac{T}{x + n x}$$

$$e = \frac{T}{x} = \frac{l}{x}$$

LIFE TABLE FOR GUAM, USA 1979-1981 MALES

N	Ages X	Popn 1980	Popn {3 Years}	Deaths 1979-1981	nMx	Intermediate Variables N.nMx	2N.nMx	q n x	p n x	l x	L n x	T n x	e x
1	0	1,421	4,263	54	.01267	.01267	.02533	.01181	.98819	100,000	99,173	6,953,331	69.5333
4	1	5,199	15,597	10	.00064	.00256	.00513	.00256	.99744	98,819	394,770	6,854,158	69.3607
5	5	6,458	19,374	6	.00031	.00155	.00310	.00155	.99845	98,566	492,448	6,459,388	65.5337
5	10	5,835	17,505	7	.00040	.00200	.00400	.00200	.99800	98,413	491,575	5,966,940	60.6314
5	15	5,849	17,547	23	.00131	.00655	.01311	.00653	.99347	98,217	489,480	5,475,364	55.7477
5	20	6,019	18,057	38	.00210	.01052	.02104	.01047	.98953	97,575	485,323	4,985,884	51.0979
5	25	5,194	15,582	34	.00218	.01091	.02182	.01085	.98915	96,554	480,150	4,500,562	46.6119
5	30	4,854	14,562	33	.00227	.01133	.02266	.01127	.98873	95,506	474,841	4,020,411	42.0958
5	35	3,386	10,158	15	.00148	.00738	.01477	.00736	.99264	94,430	470,414	3,545,571	37.5470
5	40	2,650	7,950	30	.00377	.01887	.03774	.01869	.98131	93,735	464,297	3,075,157	32.8068
5	45	2,171	6,513	46	.00706	.03531	.07063	.03470	.96530	91,983	451,937	2,610,859	28.3840
5	50	2,238	6,714	67	.00998	.04990	.09979	.04868	.95132	88,791	433,151	2,158,922	24.3145
5	55	1,634	4,902	71	.01448	.07242	.14484	.06989	.93011	84,469	407,586	1,725,771	20.4308
5	60	1,008	3,024	77	.02546	.12731	.25463	.11970	.88030	78,566	369,318	1,318,185	16.7782
5	65	729	2,187	83	.03795	.18976	.37952	.17331	.82669	69,162	315,841	948,867	13.7196
5	70	392	1,176	52	.04422	.22109	.44218	.19908	.80092	57,175	257,419	633,025	11.0717
5	75	185	555	47	.08468	.42342	.84685	.34944	.65056	45,793	188,958	375,607	8.2024
5	80	68	204	21	.10294	.51471	1.02941	.40936	.59064	29,791	118,466	186,649	6.2653
	85	31	93	24	.25806					17,596	68,183	68,183	3.8750

CALCULATING PROCEDURES:

$$q = \frac{\begin{matrix} 1 & 2 & 3 \\ D & + & D & + & D \\ 0 & 0 & 0 \end{matrix}}{\begin{matrix} 1 & 2 & 3 \\ B & + & B & + & B \\ 0 & 0 & 0 \end{matrix}}$$

$$q = \frac{2NnMx}{2 + NnMx}$$

$$p = \frac{q}{1 + q}$$

$$l = \frac{l}{x + n} = \frac{l}{x + n x}$$

$$L = \frac{l}{2} (x + x + 1)$$

$$L = \frac{l}{75} \frac{x}{x}$$

$$T = \frac{T}{x + n x}$$

$$e = \frac{T}{x}$$