

3. a 10-year deferred, 20-year term insurance issued to (25), with a benefit of 100 paid at the end of the year of death if (25) dies between ages 35 and 55.

4. a whole-life insurance issued to independent lives, both age 35, with benefit of 100 payable at the end of the year of the second death.

5. a 10-year term insurance issued to independent lives, ages 30 and 40, with benefit of 500 payable at the end of the year of the first death.

Illustrative Life Table: Basic Functions and Single Benefit Premiums at $i = 0.06$

x	l_x	$1000q_x$	\ddot{a}_x	$1000A_x$	$1000({}^2A_x)$	$1000{}_5E_x$	$1000{}_{10}E_x$	$1000{}_{20}E_x$	x
0	10,000,000	20.42	16.8010	49.00	25.92	728.54	541.95	299.89	0
5	9,749,503	0.98	17.0379	35.59	8.45	743.89	553.48	305.90	5
10	9,705,588	0.85	16.9119	42.72	9.37	744.04	553.34	305.24	10
15	9,663,731	0.91	16.7384	52.55	11.33	743.71	552.69	303.96	15
20	9,617,802	1.03	16.5133	65.28	14.30	743.16	551.64	301.93	20
21	9,607,896	1.06	16.4611	68.24	15.06	743.01	551.36	301.40	21
22	9,597,695	1.10	16.4061	71.35	15.87	742.86	551.06	300.82	22
23	9,587,169	1.13	16.3484	74.62	16.76	742.68	550.73	300.19	23
24	9,576,288	1.18	16.2878	78.05	17.71	742.49	550.36	299.49	24
25	9,565,017	1.22	16.2242	81.65	18.75	742.29	549.97	298.73	25
26	9,553,319	1.27	16.1574	85.43	19.87	742.06	549.53	297.90	26
27	9,541,153	1.33	16.0873	89.40	21.07	741.81	549.05	297.00	27
28	9,528,475	1.39	16.0139	93.56	22.38	741.54	548.53	296.01	28
29	9,515,235	1.46	15.9368	97.92	23.79	741.24	547.96	294.92	29
30	9,501,381	1.53	15.8561	102.48	25.31	740.91	547.33	293.74	30
31	9,486,854	1.61	15.7716	107.27	26.95	740.55	546.65	292.45	31
32	9,471,591	1.70	15.6831	112.28	28.72	740.16	545.90	291.04	32
33	9,455,522	1.79	15.5906	117.51	30.63	739.72	545.07	289.50	33
34	9,438,571	1.90	15.4938	122.99	32.68	739.25	544.17	287.82	34
35	9,420,657	2.01	15.3926	128.72	34.88	738.73	543.18	286.00	35
36	9,401,688	2.14	15.2870	134.70	37.26	738.16	542.11	284.00	36
37	9,381,566	2.28	15.1767	140.94	39.81	737.54	540.92	281.84	37
38	9,360,184	2.43	15.0616	147.46	42.55	736.86	539.63	279.48	38
39	9,337,427	2.60	14.9416	154.25	45.48	736.11	538.22	276.92	39
40	9,313,166	2.78	14.8166	161.32	48.63	735.29	536.67	274.14	40
41	9,287,264	2.98	14.6864	168.69	52.01	734.40	534.99	271.12	41
42	9,259,571	3.20	14.5510	176.36	55.62	733.42	533.14	267.85	42
43	9,229,925	3.44	14.4102	184.33	59.48	732.34	531.12	264.31	43
44	9,198,149	3.71	14.2639	192.61	63.61	731.17	528.92	260.48	44
45	9,164,051	4.00	14.1121	201.20	68.02	729.88	526.52	256.34	45
46	9,127,426	4.31	13.9546	210.12	72.72	728.47	523.89	251.88	46
47	9,088,049	4.66	13.7914	219.36	77.73	726.93	521.03	247.08	47
48	9,045,679	5.04	13.6224	228.92	83.06	725.24	517.91	241.93	48
49	9,000,057	5.46	13.4475	238.82	88.73	723.39	514.51	236.39	49
50	8,950,901	5.92	13.2668	249.05	94.76	721.37	510.81	230.47	50
51	8,897,913	6.42	13.0803	259.61	101.15	719.17	506.78	224.15	51
52	8,840,770	6.97	12.8879	270.50	107.92	716.76	502.40	217.42	52
53	8,779,128	7.58	12.6896	281.72	115.09	714.12	497.64	210.27	53
54	8,712,621	8.24	12.4856	293.27	122.67	711.24	492.47	202.70	54
55	8,640,861	8.96	12.2758	305.14	130.67	708.10	486.86	194.72	55
56	8,563,435	9.75	12.0604	317.33	139.11	704.67	480.79	186.32	56
57	8,479,908	10.62	11.8395	329.84	147.99	700.93	474.22	177.53	57
58	8,389,826	11.58	11.6133	342.65	157.33	696.85	467.12	168.37	58
59	8,292,713	12.62	11.3818	355.75	167.13	692.41	459.46	158.87	59
60	8,188,074	13.76	11.1454	369.13	177.41	687.56	451.20	149.06	60
61	8,075,403	15.01	10.9041	382.79	188.17	682.29	442.31	139.00	61
62	7,954,179	16.38	10.6584	396.70	199.41	676.56	432.77	128.75	62
63	7,823,879	17.88	10.4084	410.85	211.13	670.33	422.54	118.38	63
64	7,683,979	19.52	10.1544	425.22	223.34	663.56	411.61	107.97	64
65	7,533,964	21.32	9.8969	439.80	236.03	656.23	399.94	97.60	65

Illustrative Life Table: Basic Functions and Single Benefit Premiums at $i = 0.06$

Lives are independent.

x	\ddot{a}_{xx}	$1000A_{xx}$	$1000(^2A_{xx})$	\ddot{a}_{xx+10}	$1000A_{xx+10}$	$1000(^2A_{xx+10})$	x
0	16.1345	86.73	50.89	16.2844	78.24	34.71	0
5	16.6432	57.93	16.51	16.4093	71.17	19.17	5
10	16.4660	67.96	18.13	16.1541	85.62	22.70	10
15	16.2187	81.96	21.67	15.8187	104.60	28.49	15
20	15.9005	99.97	27.00	15.3934	128.67	37.00	20
21	15.8272	104.12	28.33	15.2962	134.18	39.11	21
22	15.7502	108.48	29.77	15.1945	139.94	41.39	22
23	15.6696	113.04	31.33	15.0883	145.95	43.83	23
24	15.5851	117.82	33.01	14.9774	152.22	46.46	24
25	15.4967	122.83	34.82	14.8617	158.77	49.28	25
26	15.4041	128.07	36.77	14.7411	165.60	52.31	26
27	15.3073	133.55	38.87	14.6154	172.71	55.56	27
28	15.2062	139.27	41.12	14.4845	180.12	59.03	28
29	15.1005	145.26	43.55	14.3484	187.83	62.75	29
30	14.9901	151.50	46.16	14.2068	195.84	66.72	30
31	14.8750	158.02	48.96	14.0598	204.16	70.97	31
32	14.7549	164.82	51.96	13.9071	212.80	75.50	32
33	14.6298	171.90	55.18	13.7488	221.76	80.34	33
34	14.4995	179.27	58.63	13.5848	231.05	85.48	34
35	14.3640	186.94	62.32	13.4150	240.66	90.96	35
36	14.2230	194.92	66.26	13.2393	250.60	96.78	36
37	14.0766	203.21	70.48	13.0579	260.88	102.96	37
38	13.9246	211.81	74.98	12.8705	271.48	109.52	38
39	13.7670	220.74	79.77	12.6774	282.41	116.46	39
40	13.6036	229.99	84.89	12.4784	293.68	123.80	40
41	13.4344	239.56	90.32	12.2737	305.26	131.56	41
42	13.2594	249.47	96.11	12.0633	317.17	139.75	42
43	13.0786	259.70	102.25	11.8474	329.39	148.38	43
44	12.8919	270.27	108.76	11.6260	341.92	157.46	44
45	12.6994	281.16	115.66	11.3994	354.75	166.99	45
46	12.5011	292.39	122.95	11.1677	367.87	177.00	46
47	12.2971	303.94	130.67	10.9310	381.26	187.48	47
48	12.0873	315.81	138.80	10.6898	394.92	198.44	48
49	11.8720	328.00	147.38	10.4441	408.82	209.88	49
50	11.6513	340.49	156.41	10.1944	422.96	221.81	50
51	11.4252	353.29	165.89	9.9409	437.31	234.22	51
52	11.1941	366.37	175.85	9.6840	451.85	247.10	52
53	10.9580	379.74	186.28	9.4240	466.57	260.46	53
54	10.7172	393.37	197.18	9.1614	481.43	274.27	54
55	10.4720	407.24	208.57	8.8966	496.42	288.54	55
56	10.2227	421.35	220.44	8.6301	511.50	303.24	56
57	9.9696	435.68	232.79	8.3623	526.66	318.35	57
58	9.7131	450.20	245.62	8.0938	541.86	333.85	58
59	9.4535	464.90	258.93	7.8249	557.08	349.73	59
60	9.1911	479.75	272.69	7.5563	572.28	365.94	60
61	8.9266	494.72	286.91	7.2885	587.44	382.46	61
62	8.6602	509.80	301.56	7.0221	602.53	399.26	62
63	8.3926	524.95	316.62	6.7574	617.50	416.30	63
64	8.1241	540.15	332.09	6.4952	632.34	433.53	64
65	7.8552	555.36	347.92	6.2360	647.02	450.93	65