Tablas de mortalidad. 1986-2005, Instituto de Estadística de la Comunidad de Madrid, downloaded from:
http://www.madrid.org/iestadis/fijas/estructu/demograficas/mnp/estructuespevida.htm
05.07.2007.

Instituto de Estadística

Tabla de mortalidad masculina. 2003

Edad x [1]	Defunciones	Población masculina		a(x) [2]	m(x) [3]	q(x) [4]	l(x) [5]	d(x) [6]	L(x) [7]	T(x) [8]	E(x) [9]
		1/1/2003	1/1/2004								
0	143	32,160	34,225	0.1442	0.00431	0.00429	100,000	429	99,633	7,750,701	77.51
1	6	30,805	32,341	0.3306	0.00019	0.00019	99,571	19	99,558	7,651,069	76.84
2	10	29,817	31,200	0.4367	0.00033	0.00033	99,552	33	99,533	7,551,511	75.86
3	6	27,994	30,115	0.6584	0.00021	0.00021	99,519	21	99,512	7,451,977	74.88
4	5	26,552	28,347	0.3096	0.00018	0.00018	99,499	18	99,486	7,352,465	73.90
5	4	26,862	26,901	0.5301	0.00015	0.00015	99,481	15	99,474	7,252,979	72.91
6	4	26,305	27,170	0.7329	0.00015	0.00015	99,466	15	99,462	7,153,505	71.92
7	6	26,321	26,545	0.4078	0.00023	0.00023	99,451	23	99,437	7,054,043	70.93
8	3	26,707	26,566	0.2228	0.00011	0.00011	99,428	11	99,420	6,954,606	69.95
9	6	27,190	26,983	0.5461	0.00022	0.00022	99,417	22	99,407	6,855,186	68.95
10	5	27,886	27,452	0.5370	0.00018	0.00018	99,395	18	99,387	6,755,779	67.97
11	5	27,296	28,188	0.5047	0.00018	0.00018	99,377	18	99,368	6,656,393	66.98
12	4	27,460	27,592	0.5295	0.00015	0.00015	99,359	14	99,352	6,557,024	65.99
13	6	28,519	27,748	0.6233	0.00021	0.00021	99,345	21	99,337	6,457,672	65.00
14	3	28,605	28,820	0.5854	0.00010	0.00010	99,324	10	99,319	6,358,335	64.02
15	9	29,450	29,029	0.4545	0.00031	0.00031	99,313	31	99,297	6,259,016	63.02
16	21	30,158	29,792	0.5957	0.00070	0.00070	99,283	70	99,255	6,159,719	62.04
17	17	31,679	30,603	0.5036	0.00055	0.00055	99,213	54	99,186	6,060,465	61.09
18	19	33,355	32,392	0.5559	0.00058	0.00058	99,159	57	99,134	5,961,278	60.12
19	30	34,878	34,183	0.4302	0.00087	0.00087	99,102	86	99,053	5,862,145	59.15
20	29	38,330	36,175	0.5714	0.00078	0.00078	99,016	77	98,983	5,763,092	58.20
21	23	40,973	39,740	0.5189	0.00057	0.00057	98,939	56	98,911	5,664,110	57.25
22	20	43,447	42,798	0.5459	0.00046	0.00046	98,882	46	98,861	5,565,198	56.28
23	42	46,816	45,305	0.4597	0.00091	0.00091	98,836	90	98,788	5,466,337	55.31
24	24	50,493	48,764	0.5259	0.00048	0.00048	98,746	48	98,724	5,367,549	54.36
25	33	53,125	52,455	0.5241	0.00063	0.00062	98,699	62	98,669	5,268,826	53.38
26	35	55,780	55,123	0.5134	0.00063	0.00063	98,637	62	98,607	5,170,157	52.42
27	37	56,827	57,661	0.5054	0.00065	0.00065	98,575	64	98,543	5,071,550	51.45
28	35	57,052	58,426	0.4746	0.00061	0.00061	98,511	60	98,480	4,973,007	50.48
29	37	56,049	58,618	0.3993	0.00065	0.00065	98,451	64	98,413	4,874,527	49.51
30	43	56,012	57,369	0.4892	0.00076	0.00076	98,388	75	98,350	4,776,114	48.54
31	57	54,922	56,779	0.4766	0.00102	0.00102	98,313	100	98,261	4,677,765	47.58
32	57	53,895	55,728	0.5669	0.00104	0.00104	98,213	102	98,169	4,579,504	46.63
33	57	53,191	54,480	0.5213	0.00106	0.00106	98,111	104	98,061	4,481,336	45.68
34	69	52,328	53,588	0.4930	0.00130	0.00130	98,007	128	97,942	4,383,275	44.72
35	64	51,930	52,907	0.5190	0.00122	0.00122	97,879	119	97,822	4,285,332	43.78
36	76	50,486	52,362	0.4904	0.00148	0.00148	97,760	144	97,686	4,187,511	42.83
37	61	50,004	50,688	0.5039	0.00121	0.00121	97,615	118	97,557	4,089,824	41.90
38	79	49,705	50,181	0.4884	0.00158	0.00158	97,497	154	97,418	3,992,267	40.95
39	66	47,473	49,758	0.5103	0.00136	0.00136	97,343	132	97,279	3,894,849	40.01
40	95	45,682	47,536	0.5233	0.00204	0.00204	97,211	198	97,117	3,797,570	39.07
41	84	43,454	45,867	0.4963	0.00188	0.00188	97,013	182	96,921	3,700,454	38.14
42	115	43,481	43,649	0.5567	0.00264	0.00264	96,831	255	96,718	3,603,532	37.21

43	106	41,834	43,466	0.5133	0.00249	0.00248	96,576	240	96,459	3,506,815	36.31
44	93	40,666	41,800	0.5387	0.00226	0.00225	96,336	217	96,236	3,410,356	35.40
45	117	39,926	40,839	0.5062	0.00290	0.00289	96,119	278	95,981	3,314,120	34.48
46	97	37,173	39,934	0.5054	0.00252	0.00251	95,841	241	95,722	3,218,139	33.58
47	108	35,891	37,151	0.4918	0.00296	0.00295	95,600	282	95,456	3,122,417	32.66
48	132	33,876	35,972	0.4926	0.00378	0.00377	95,318	360	95,135	3,026,961	31.76
49	127	34,348	33,791	0.5390	0.00373	0.00372	94,958	353	94,795	2,931,826	30.87
50	136	33,883	34,272	0.5525	0.00399	0.00398	94,605	377	94,436	2,837,030	29.99
51	134	32,256	33,664	0.4910	0.00407	0.00406	94,228	382	94,033	2,742,594	29.11
52	159	32,176	32,219	0.4853	0.00494	0.00493	93,845	462	93,608	2,648,561	28.22
53	148	33,102	31,918	0.4776	0.00455	0.00454	93,383	424	93,162	2,554,954	27.36
54	179	34,935	32,947	0.5358	0.00527	0.00526	92,959	489	92,732	2,461,792	26.48
55	177	31,851	34,677	0.4771	0.00532	0.00531	92,470	491	92,213	2,369,060	25.62
56	206	29,606	31,467	0.4832	0.00675	0.00672	91,979	618	91,660	2,276,847	24.75
57	237	31,175	29,264	0.4924	0.00784	0.00781	91,361	714	90,999	2,185,187	23.92
58	223	29,898	30,833	0.4946	0.00734	0.00732	90,647	663	90,312	2,094,188	23.10
59	254	29,292	29,552	0.5144	0.00863	0.00860	89,984	774	89,608	2,003,876	22.27
60	267	24,901	28,828	0.5116	0.00994	0.00989	89,211	882	88,780	1,914,268	21.46
61	227	22,701	24,468	0.4872	0.00962	0.00958	88,328	846	87,894	1,825,488	20.67
62	263	28,779	22,285	0.5140	0.01030	0.01025	87,482	897	87,046	1,737,594	19.86
63	316	17,406	28,160	0.4407	0.01387	0.01376	86,586	1,192	85,919	1,650,547	19.06
64	254	20,461	17,064	0.4991	0.01354	0.01345	85,394	1,148	84,819	1,564,628	18.32
65	309	21,880	19,994	0.5349	0.01476	0.01466	84,246	1,235	83,671	1,479,810	17.57
66	340	23,177	21,392	0.5299	0.01526	0.01515	83,011	1,257	82,420	1,396,138	16.82
67	407	22,055	22,568	0.5092	0.01824	0.01808	81,753	1,478	81,028	1,313,719	16.07
68	398	21,725	21,513	0.5009	0.01841	0.01824	80,275	1,464	79,544	1,232,691	15.36
69	443	21,857	21,123	0.5092	0.02061	0.02041	78,811	1,608	78,021	1,153,147	14.63
70	524	21,000	21,254	0.4909	0.02480	0.02449	77,202	1,891	76,240	1,075,125	13.93
71	482	19,742	20,431	0.5083	0.02400	0.02372	75,311	1,786	74,433	998,886	13.26
72	559	18,991	19,184	0.5044	0.02929	0.02887	73,525	2,122	72,473	924,452	12.57
73	589	18,045	18,407	0.5328	0.03232	0.03184	71,403	2,273	70,341	851,979	11.93
74	619	16,701	17,406	0.5134	0.03630	0.03567	69,130	2,466	67,930	781,638	11.31
75	603	14,876	16,079	0.4859	0.03896	0.03819	66,664	2,546	65,355	713,708	10.71
76	640	14,466	14,353	0.5169	0.04442	0.04348	64,118	2,788	62,771	648,353	10.11
77	607	12,822	13,834	0.5012	0.04554	0.04453	61,330	2,731	59,968	585,582	9.55
78	676	12,084	12,251	0.4801	0.05556	0.05400	58,599	3,164	56,954	525,615	8.97
79	716	11,245	11,474	0.5045	0.06303	0.06112	55,434	3,388	53,756	468,661	8.45
80	732	10,020	10,604	0.4795	0.07099	0.06846	52,046	3,563	50,192	414,905	7.97
81	711	8,761	9,470	0.5002	0.07800	0.07507	48,483	3,640	46,664	364,714	7.52
82	684	7,368	8,240	0.4874	0.08765	0.08388	44,844	3,761	42,915	318,050	7.09
83	631	5,855	6,863	0.4867	0.09923	0.09442	41,082	3,879	39,091	275,134	6.70
84	539	5,069	5,429	0.4914	0.10269	0.09759	37,203	3,631	35,357	236,043	6.34
85	559	4,516	4,644	0.5025	0.12205	0.11507	33,573	3,863	31,651	200,686	5.98
86	536	3,947	4,131	0.5128	0.13271	0.12465	29,709	3,703	27,905	169,036	5.69
87	484	3,584	3,614	0.4952	0.13448	0.12593	26,006	3,275	24,353	141,130	5.43
88	463	2,898	3,243	0.4824	0.15079	0.13987	22,731	3,179	21,086	116,777	5.14
89	443	2,539	2,662	0.5105	0.17035	0.15724	19,552	3,074	18,047	95,692	4.89
90	1,911	8,262	9,748		0.21222	1.00000	16,477	16,477	77,645	77,645	4.71

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Tabla de mortalidad femenina. 2003

Edad x (1)	Defunciones	Población femenina		a(x) (2)	m(x) (3)	q(x) (4)	l(x) (5)	d(x) (6)	L(x) (7)	T(x) (8)	E(x) (9)
		1/1/2003	1/1/2004								
0	125	30,298	32,050	0.1387	0.00401	0.00400	100,000	400	99,656	8,435,561	84.36
1	16	29,132	30,509	0.5029	0.00054	0.00054	99,600	53	99,574	8,335,906	83.69
2	12	27,948	29,581	0.4208	0.00042	0.00042	99,547	42	99,523	8,236,332	82.74
3	4	26,310	28,397	0.4699	0.00015	0.00015	99,505	15	99,498	8,136,809	81.77
4	1	25,021	26,600	0.8192	0.00004	0.00004	99,491	4	99,490	8,037,311	80.78
5	3	25,489	25,305	0.4484	0.00012	0.00012	99,487	12	99,481	7,937,821	79.79
6	4	25,456	25,706	0.5623	0.00016	0.00016	99,475	16	99,468	7,838,340	78.80
7	2	24,822	25,564	0.3205	0.00008	0.00008	99,460	8	99,454	7,738,872	77.81
8	2	25,018	25,066	0.6932	0.00008	0.00008	99,452	8	99,449	7,639,417	76.82
9	2	25,999	25,245	0.6534	0.00008	0.00008	99,444	8	99,441	7,539,968	75.82
10	4	26,725	26,183	0.4178	0.00015	0.00015	99,436	15	99,427	7,440,527	74.83
11	3	26,035	27,027	0.4447	0.00011	0.00011	99,421	11	99,415	7,341,099	73.84
12	0	26,305	26,398	0.0000	0.00000	0.00000	99,410	0	99,410	7,241,684	72.85
13	3	26,863	26,497	0.2420	0.00011	0.00011	99,410	11	99,401	7,142,275	71.85
14	6	26,960	27,205	0.6831	0.00022	0.00022	99,399	22	99,392	7,042,873	70.85
15	7	27,719	27,316	0.5562	0.00025	0.00025	99,377	25	99,365	6,943,481	69.87
16	7	28,776	28,119	0.3761	0.00025	0.00025	99,351	24	99,336	6,844,116	68.89
17	3	29,981	29,222	0.4027	0.00010	0.00010	99,327	10	99,321	6,744,780	67.90
18	5	32,157	30,938	0.3786	0.00016	0.00016	99,317	16	99,307	6,645,459	66.91
19	12	33,862	33,248	0.5553	0.00036	0.00036	99,301	36	99,285	6,546,152	65.92
20	7	37,449	35,183	0.6172	0.00019	0.00019	99,266	19	99,258	6,446,866	64.95
21	14	40,151	38,968	0.6139	0.00035	0.00035	99,247	35	99,233	6,347,608	63.96
22	13	43,111	41,959	0.5275	0.00031	0.00031	99,211	30	99,197	6,248,375	62.98
23	13	46,140	44,888	0.3724	0.00029	0.00029	99,181	28	99,163	6,149,178	62.00
24	11	49,670	48,237	0.4354	0.00022	0.00022	99,153	22	99,140	6,050,015	61.02
25	14	51,685	51,630	0.4724	0.00027	0.00027	99,130	27	99,116	5,950,875	60.03
26	11	55,003	53,355	0.4379	0.00020	0.00020	99,104	20	99,092	5,851,758	59.05
27	17	55,293	56,513	0.5447	0.00030	0.00030	99,083	30	99,070	5,752,666	58.06
28	14	55,942	56,511	0.5978	0.00025	0.00025	99,053	25	99,043	5,653,596	57.08
29	14	54,627	57,096	0.4147	0.00025	0.00025	99,029	25	99,014	5,554,553	56.09
30	18	54,206	55,441	0.4900	0.00033	0.00033	99,004	33	98,987	5,455,539	55.10
31	15	54,328	54,863	0.5669	0.00027	0.00027	98,971	27	98,960	5,356,551	54.12
32	18	52,744	54,990	0.5346	0.00033	0.00033	98,944	33	98,929	5,257,592	53.14
33	22	52,020	53,099	0.4747	0.00042	0.00042	98,911	41	98,889	5,158,663	52.15
34	23	51,651	52,274	0.4815	0.00044	0.00044	98,870	44	98,847	5,059,773	51.18
35	21	51,644	51,998	0.4862	0.00041	0.00041	98,826	40	98,805	4,960,926	50.20
36	33	50,391	51,809	0.4153	0.00065	0.00065	98,786	64	98,749	4,862,121	49.22
37	27	50,406	50,434	0.5252	0.00054	0.00054	98,722	53	98,697	4,763,372	48.25
38	49	50,535	50,407	0.4084	0.00097	0.00097	98,669	96	98,613	4,664,675	47.28
39	45	48,382	50,730	0.4608	0.00091	0.00091	98,574	89	98,525	4,566,062	46.32
40	41	46,712	48,479	0.5178	0.00086	0.00086	98,484	85	98,443	4,467,537	45.36
41	45	45,197	46,786	0.4886	0.00098	0.00098	98,399	96	98,350	4,369,094	44.40
42	52	45,123	45,378	0.5202	0.00115	0.00115	98,303	113	98,249	4,270,744	43.44

43	39	44,112	45,343	0.4902	0.00087	0.00087	98,190	86	98,147	4,172,495	42.49
44	52	43,419	44,230	0.5132	0.00119	0.00119	98,105	116	98,048	4,074,348	41.53
45	61	43,079	43,579	0.4649	0.00141	0.00141	97,988	138	97,915	3,976,300	40.58
46	61	40,321	43,037	0.4980	0.00146	0.00146	97,850	143	97,779	3,878,386	39.64
47	59	39,395	40,419	0.5311	0.00148	0.00148	97,707	144	97,640	3,780,607	38.69
48	68	37,827	39,387	0.5336	0.00176	0.00176	97,563	172	97,483	3,682,967	37.75
49	74	37,746	37,887	0.5310	0.00196	0.00196	97,391	190	97,302	3,585,485	36.82
50	60	37,455	37,759	0.4814	0.00160	0.00159	97,201	155	97,121	3,488,183	35.89
51	90	35,452	37,453	0.4278	0.00247	0.00247	97,046	239	96,909	3,391,062	34.94
52	56	35,228	35,424	0.5186	0.00159	0.00158	96,807	153	96,733	3,294,153	34.03
53	70	37,088	35,101	0.5348	0.00194	0.00194	96,653	187	96,566	3,197,420	33.08
54	79	38,954	36,828	0.5053	0.00208	0.00208	96,466	201	96,367	3,100,854	32.14
55	89	35,096	38,799	0.5254	0.00241	0.00241	96,265	232	96,155	3,004,487	31.21
56	70	33,046	34,877	0.5220	0.00206	0.00206	96,033	198	95,939	2,908,332	30.28
57	96	34,756	32,817	0.4905	0.00284	0.00284	95,836	272	95,697	2,812,393	29.35
58	90	33,736	34,496	0.4885	0.00264	0.00263	95,564	252	95,435	2,716,696	28.43
59	120	32,230	33,447	0.4775	0.00365	0.00365	95,312	348	95,130	2,621,261	27.50
60	99	27,287	31,906	0.4986	0.00334	0.00334	94,964	317	94,805	2,526,130	26.60
61	91	24,388	27,034	0.5572	0.00354	0.00353	94,647	334	94,499	2,431,325	25.69
62	106	31,783	24,200	0.5365	0.00379	0.00378	94,313	357	94,148	2,336,826	24.78
63	118	20,403	31,365	0.4156	0.00456	0.00455	93,956	427	93,707	2,242,678	23.87
64	102	23,702	20,161	0.5461	0.00465	0.00464	93,529	434	93,332	2,148,972	22.98
65	140	25,868	23,364	0.5017	0.00569	0.00567	93,095	528	92,832	2,055,639	22.08
66	172	28,256	25,427	0.5049	0.00641	0.00639	92,567	591	92,274	1,962,807	21.20
67	172	26,448	27,808	0.4850	0.00634	0.00632	91,976	581	91,676	1,870,533	20.34
68	207	26,401	26,042	0.5041	0.00789	0.00786	91,395	719	91,038	1,778,857	19.46
69	202	27,075	26,029	0.4840	0.00761	0.00758	90,676	687	90,321	1,687,818	18.61
70	229	26,248	26,687	0.4957	0.00865	0.00861	89,989	775	89,598	1,597,497	17.75
71	264	24,885	25,808	0.4905	0.01042	0.01036	89,214	924	88,743	1,507,899	16.90
72	306	25,124	24,552	0.4996	0.01232	0.01224	88,289	1,081	87,748	1,419,157	16.07
73	344	24,019	24,643	0.4886	0.01414	0.01404	87,208	1,224	86,582	1,331,409	15.27
74	362	23,824	23,536	0.4898	0.01529	0.01517	85,984	1,304	85,319	1,244,826	14.48
75	461	21,693	23,289	0.4677	0.02050	0.02028	84,680	1,717	83,766	1,159,508	13.69
76	450	21,282	21,213	0.4982	0.02118	0.02096	82,963	1,739	82,090	1,075,742	12.97
77	525	19,830	20,737	0.4967	0.02588	0.02555	81,224	2,075	80,180	993,652	12.23
78	524	19,016	19,345	0.4862	0.02732	0.02694	79,149	2,132	78,053	913,472	11.54
79	558	18,177	18,408	0.5194	0.03050	0.03006	77,017	2,315	75,904	835,419	10.85
80	641	17,837	17,599	0.5111	0.03618	0.03555	74,701	2,656	73,403	759,515	10.17
81	669	15,581	17,164	0.4985	0.04086	0.04004	72,046	2,885	70,599	686,112	9.52
82	712	14,434	15,012	0.5185	0.04836	0.04726	69,161	3,268	67,587	615,513	8.90
83	771	11,993	13,741	0.4972	0.05992	0.05817	65,892	3,833	63,965	547,926	8.32
84	757	11,444	11,343	0.5171	0.06644	0.06438	62,060	3,995	60,130	483,961	7.80
85	804	10,574	10,805	0.5018	0.07521	0.07250	58,064	4,210	55,967	423,831	7.30
86	822	9,329	9,998	0.4958	0.08506	0.08156	53,855	4,393	51,640	367,863	6.83
87	908	8,681	8,671	0.5105	0.10466	0.09956	49,462	4,924	47,052	316,223	6.39
88	883	7,828	7,971	0.5107	0.11178	0.10598	44,538	4,720	42,228	269,171	6.04
89	848	6,815	7,234	0.4818	0.12072	0.11361	39,818	4,524	37,473	226,943	5.70
90	5,070	25,416	29,019		0.18628	1.00000	35,294	35,294	189,470	189,470	5.37

(1) x = 90 es el intervalo abierto que comprende a las personas de 90 y más años

(2) a(x) = fracción de los años vividos por las personas fallecidas de edad cumplida x , esto es, en el intervalo [x, x+1)
No se puede calcular para el intervalo abierto x = 90.

(3) m(x) = defunciones de personas de edad cumplida x dividido entre la media de la población de edad cumplida x en
en el año considerado y en el año posterior

(4) q(x) = m(x) / (1 + (1-a(x)) m(x))

(5) l(x) = número de personas de la cohorte inicial de 100.000 personas que viven a la edad x y mueren antes de llegar a la edad x+1

(6) d(x) = número de defunciones ocurridas a la edad x de la cohorte inicial de 100.000

(7) L(x) = población estacionaria con x años cumplidos
En el caso del intervalo abierto x = 90, dado que no se puede usar a(x), se utiliza la fórmula l(x) / m(x)

(8) T(x) = años vividos

(9) E(x) = esperanza de vida a la edad x

Fuente: Instituto de Estadística de la Comunidad de Madrid