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. 2005

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]
		1/1/2005	1/1/2006								
0	137	36,215	35,483	0.1109	0.00382	0.00381	100,000	381	99,661	7,842,573	78.43
1	8	34,317	37,392	0.5336	0.00022	0.00022	99,619	22	99,609	7,742,911	77.73
2	7	32,721	35,945	0.4669	0.00020	0.00020	99,597	20	99,586	7,643,303	76.74
3	7	31,913	34,187	0.4497	0.00021	0.00021	99,577	21	99,565	7,543,717	75.76
4	5	30,771	33,319	0.5162	0.00016	0.00016	99,556	16	99,548	7,444,152	74.77
5	1	29,019	30,134	0.6027	0.00003	0.00003	99,540	3	99,539	7,344,604	73.79
6	1	27,176	28,016	0.8247	0.00004	0.00004	99,537	4	99,536	7,245,065	72.79
7	1	27,829	27,655	0.5973	0.00004	0.00004	99,533	4	99,532	7,145,529	71.79
8	1	27,099	28,055	0.2548	0.00004	0.00004	99,529	4	99,527	7,045,997	70.79
9	2	27,178	27,198	0.6603	0.00007	0.00007	99,526	7	99,523	6,946,471	69.80
10	3	27,650	27,168	0.5315	0.00011	0.00011	99,518	11	99,513	6,846,947	68.80
11	8	28,075	27,653	0.7003	0.00029	0.00029	99,508	29	99,499	6,747,434	67.81
12	2	28,972	28,109	0.6603	0.00007	0.00007	99,479	7	99,477	6,647,935	66.83
13	7	28,234	28,979	0.4900	0.00024	0.00024	99,472	24	99,460	6,548,458	65.83
14	6	28,444	28,302	0.6352	0.00021	0.00021	99,448	21	99,440	6,448,999	64.85
15	7	29,479	28,498	0.6172	0.00024	0.00024	99,427	24	99,418	6,349,558	63.86
16	8	29,758	29,612	0.3531	0.00027	0.00027	99,403	27	99,385	6,250,141	62.88
17	14	30,668	29,902	0.5061	0.00046	0.00046	99,376	46	99,353	6,150,756	61.89
18	14	31,735	31,159	0.5227	0.00045	0.00045	99,330	44	99,309	6,051,402	60.92
19	20	33,901	32,430	0.4797	0.00060	0.00060	99,286	60	99,255	5,952,093	59.95
20	11	36,085	34,755	0.4692	0.00031	0.00031	99,226	31	99,210	5,852,839	58.98
21	14	38,174	37,113	0.6472	0.00037	0.00037	99,195	37	99,182	5,753,629	58.00
22	17	41,987	39,038	0.4338	0.00042	0.00042	99,158	42	99,135	5,654,447	57.02
23	22	45,231	42,939	0.5951	0.00050	0.00050	99,117	49	99,097	5,555,313	56.05
24	22	47,990	45,950	0.5339	0.00047	0.00047	99,067	46	99,046	5,456,216	55.08
25	23	51,427	48,807	0.5138	0.00046	0.00046	99,021	45	98,999	5,357,170	54.10
26	26	55,318	52,038	0.5649	0.00048	0.00048	98,975	48	98,954	5,258,172	53.13
27	29	57,813	55,790	0.4881	0.00051	0.00051	98,927	50	98,902	5,159,217	52.15
28	23	60,273	58,114	0.4922	0.00039	0.00039	98,877	38	98,857	5,060,316	51.18
29	28	60,814	60,550	0.4541	0.00046	0.00046	98,839	46	98,814	4,961,458	50.20
30	35	60,932	60,966	0.4849	0.00057	0.00057	98,793	57	98,764	4,862,645	49.22
31	50	59,502	60,911	0.4877	0.00083	0.00083	98,736	82	98,694	4,763,881	48.25
32	37	59,018	59,234	0.4890	0.00063	0.00063	98,654	62	98,623	4,665,187	47.29
33	40	57,553	58,716	0.4551	0.00069	0.00069	98,593	68	98,556	4,566,564	46.32
34	39	56,254	57,194	0.5064	0.00069	0.00069	98,525	68	98,491	4,468,008	45.35
35	59	55,149	55,909	0.4478	0.00106	0.00106	98,457	105	98,399	4,369,517	44.38
36	66	54,204	54,788	0.4914	0.00121	0.00121	98,352	119	98,292	4,271,118	43.43
37	67	53,637	53,893	0.5556	0.00125	0.00125	98,233	122	98,179	4,172,826	42.48
38	77	51,901	53,492	0.5088	0.00146	0.00146	98,111	143	98,041	4,074,647	41.53
39	71	51,367	51,618	0.5527	0.00138	0.00138	97,968	135	97,907	3,976,606	40.59
40	94	50,819	50,800	0.4585	0.00185	0.00185	97,833	181	97,735	3,878,699	39.65
41	90	48,412	50,440	0.5069	0.00182	0.00182	97,652	178	97,564	3,780,964	38.72
42	93	46,645	48,011	0.5116	0.00197	0.00196	97,474	191	97,381	3,683,400	37.79

43	74	44,460	46,481	0.6124	0.00163	0.00163	97,283	158	97,222	3,586,019	36.86
44	101	44,195	44,178	0.5090	0.00229	0.00228	97,125	222	97,016	3,488,797	35.92
45	114	42,488	43,944	0.4972	0.00264	0.00263	96,903	255	96,775	3,391,781	35.00
46	111	41,470	42,226	0.4740	0.00265	0.00265	96,648	256	96,513	3,295,007	34.09
47	130	40,529	41,139	0.5100	0.00318	0.00318	96,392	306	96,242	3,198,494	33.18
48	113	37,586	40,228	0.4795	0.00290	0.00290	96,085	279	95,940	3,102,252	32.29
49	137	36,430	37,312	0.5178	0.00372	0.00371	95,807	355	95,635	3,006,312	31.38
50	144	34,185	36,134	0.5416	0.00410	0.00409	95,451	390	95,272	2,910,676	30.49
51	160	34,608	33,861	0.4802	0.00467	0.00466	95,061	443	94,831	2,815,404	29.62
52	152	34,066	34,207	0.4938	0.00445	0.00444	94,618	420	94,405	2,720,573	28.75
53	156	32,424	33,737	0.4962	0.00472	0.00470	94,198	443	93,974	2,626,168	27.88
54	184	32,208	32,123	0.5003	0.00572	0.00570	93,754	535	93,487	2,532,194	27.01
55	175	33,180	31,828	0.5169	0.00538	0.00537	93,220	501	92,978	2,438,707	26.16
56	213	34,843	32,773	0.4926	0.00630	0.00628	92,719	582	92,424	2,345,729	25.30
57	219	31,660	34,509	0.4823	0.00662	0.00660	92,137	608	91,822	2,253,305	24.46
58	225	29,370	31,289	0.5348	0.00742	0.00739	91,529	677	91,214	2,161,483	23.62
59	239	30,855	29,021	0.5064	0.00798	0.00795	90,852	722	90,496	2,070,269	22.79
60	240	29,510	30,425	0.5333	0.00801	0.00798	90,130	719	89,794	1,979,773	21.97
61	259	28,805	29,060	0.5052	0.00895	0.00891	89,411	797	89,016	1,889,979	21.14
62	288	24,399	28,262	0.4623	0.01094	0.01087	88,614	964	88,096	1,800,963	20.32
63	219	22,247	24,000	0.5097	0.00947	0.00943	87,650	826	87,245	1,712,867	19.54
64	308	28,010	21,787	0.5182	0.01237	0.01230	86,824	1,068	86,310	1,625,622	18.72
65	290	16,856	27,399	0.4529	0.01311	0.01301	85,756	1,116	85,146	1,539,313	17.95
66	276	19,815	16,468	0.5400	0.01521	0.01511	84,640	1,279	84,052	1,454,167	17.18
67	352	21,129	19,464	0.5247	0.01734	0.01720	83,362	1,434	82,680	1,370,115	16.44
68	382	22,225	20,671	0.5102	0.01781	0.01766	81,928	1,447	81,219	1,287,435	15.71
69	412	21,214	21,731	0.5072	0.01919	0.01901	80,481	1,530	79,727	1,206,215	14.99
70	446	20,840	20,697	0.5003	0.02147	0.02125	78,951	1,677	78,113	1,126,488	14.27
71	485	20,840	20,292	0.5159	0.02358	0.02332	77,274	1,802	76,402	1,048,375	13.57
72	543	19,988	20,218	0.4906	0.02701	0.02664	75,472	2,011	74,448	971,973	12.88
73	547	18,633	19,390	0.5135	0.02877	0.02837	73,461	2,084	72,447	897,525	12.22
74	642	17,905	17,996	0.4958	0.03577	0.03513	71,377	2,508	70,112	825,078	11.56
75	640	16,798	17,230	0.5103	0.03762	0.03694	68,869	2,544	67,624	754,966	10.96
76	598	15,495	16,093	0.4773	0.03786	0.03713	66,326	2,463	65,038	687,342	10.36
77	678	13,723	14,829	0.5158	0.04749	0.04642	63,863	2,965	62,427	622,304	9.74
78	627	13,096	13,061	0.5085	0.04794	0.04684	60,898	2,852	59,496	559,876	9.19
79	657	11,469	12,401	0.5183	0.05505	0.05363	58,046	3,113	56,546	500,380	8.62
80	733	10,767	10,762	0.4950	0.06809	0.06583	54,933	3,616	53,107	443,834	8.08
81	693	9,763	10,050	0.4975	0.06995	0.06758	51,317	3,468	49,574	390,727	7.61
82	723	8,593	9,088	0.5174	0.08178	0.07868	47,849	3,765	46,032	341,153	7.13
83	665	7,436	7,886	0.4903	0.08680	0.08313	44,084	3,665	42,216	295,121	6.69
84	633	6,123	6,742	0.4932	0.09841	0.09373	40,420	3,789	38,500	252,904	6.26
85	578	4,676	5,484	0.4826	0.11378	0.10745	36,631	3,936	34,595	214,405	5.85
86	526	3,950	4,159	0.4992	0.12973	0.12182	32,695	3,983	30,700	179,810	5.50
87	463	3,455	3,461	0.4559	0.13389	0.12480	28,712	3,583	26,762	149,110	5.19
88	449	2,920	3,010	0.4954	0.15143	0.14068	25,129	3,535	23,345	122,347	4.87
89	424	2,601	2,474	0.4933	0.16709	0.15405	21,594	3,327	19,908	99,002	4.58
90	2,016	8,552	8,906		0.23095	1.00000	18,267	18,267	79,094	79,094	4.33

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Tabla de mortalidad femenina. 2005

Edad x (1)	Defunciones	Población femenina 1/1/2005	Población femenina 1/1/2006	a(x) (2)	m(x) (3)	q(x) (4)	l(x) (5)	d(x) (6)	L(x) (7)	T(x) (8)	E(x) (9)
0	111	33,482	34,002	0.1331	0.00329	0.00328	100,000	328	99,716	8,497,937	84.98
1	10	32,486	34,516	0.4329	0.00030	0.00030	99,672	30	99,655	8,398,221	84.26
2	6	31,031	34,082	0.2858	0.00018	0.00018	99,642	18	99,629	8,298,566	83.28
3	5	30,335	32,359	0.5671	0.00016	0.00016	99,624	16	99,617	8,198,937	82.30
4	1	29,051	31,781	0.3425	0.00003	0.00003	99,608	3	99,606	8,099,320	81.31
5	4	27,370	28,401	0.7199	0.00014	0.00014	99,605	14	99,601	7,999,714	80.31
6	2	25,620	26,338	0.5219	0.00008	0.00008	99,590	8	99,587	7,900,113	79.33
7	1	26,342	26,060	0.5808	0.00004	0.00004	99,583	4	99,581	7,800,526	78.33
8	3	26,185	26,460	0.3507	0.00011	0.00011	99,579	11	99,572	7,700,945	77.34
9	1	25,582	26,281	0.3781	0.00004	0.00004	99,568	4	99,565	7,601,374	76.34
10	4	25,869	25,588	0.2760	0.00016	0.00016	99,564	15	99,553	7,501,809	75.35
11	0	26,797	25,882	0.0000	0.00000	0.00000	99,548	0	99,548	7,402,256	74.36
12	4	27,648	26,791	0.1377	0.00015	0.00015	99,548	15	99,536	7,302,708	73.36
13	2	27,000	27,609	0.4151	0.00007	0.00007	99,534	7	99,529	7,203,172	72.37
14	3	27,183	27,003	0.5863	0.00011	0.00011	99,526	11	99,522	7,103,643	71.37
15	5	28,010	27,250	0.7058	0.00018	0.00018	99,515	18	99,510	7,004,121	70.38
16	6	28,111	28,111	0.6064	0.00021	0.00021	99,497	21	99,489	6,904,611	69.39
17	8	28,988	28,375	0.6226	0.00028	0.00028	99,476	28	99,466	6,805,122	68.41
18	6	30,403	29,657	0.7014	0.00020	0.00020	99,448	20	99,442	6,705,656	67.43
19	10	32,574	31,548	0.4874	0.00031	0.00031	99,428	31	99,413	6,606,214	66.44
20	5	35,119	33,841	0.5321	0.00015	0.00015	99,397	14	99,391	6,506,801	65.46
21	6	37,393	36,319	0.5301	0.00016	0.00016	99,383	16	99,375	6,407,410	64.47
22	4	41,459	38,283	0.3192	0.00010	0.00010	99,367	10	99,360	6,308,035	63.48
23	7	44,264	42,437	0.4536	0.00016	0.00016	99,357	16	99,348	6,208,675	62.49
24	16	47,228	45,336	0.4618	0.00035	0.00035	99,341	34	99,322	6,109,327	61.50
25	10	50,623	48,078	0.6189	0.00020	0.00020	99,307	20	99,299	6,010,004	60.52
26	8	53,918	51,241	0.4486	0.00015	0.00015	99,286	15	99,278	5,910,706	59.53
27	5	55,698	54,487	0.5951	0.00009	0.00009	99,271	9	99,268	5,811,427	58.54
28	10	58,748	56,100	0.4844	0.00017	0.00017	99,262	17	99,253	5,712,160	57.55
29	16	58,636	58,997	0.4974	0.00027	0.00027	99,245	27	99,231	5,612,906	56.56
30	16	59,273	58,670	0.4913	0.00027	0.00027	99,218	27	99,204	5,513,675	55.57
31	12	57,128	59,283	0.5669	0.00021	0.00021	99,191	20	99,182	5,414,471	54.59
32	17	56,681	57,136	0.4156	0.00030	0.00030	99,171	30	99,153	5,315,288	53.60
33	20	56,394	56,556	0.5075	0.00035	0.00035	99,141	35	99,124	5,216,135	52.61
34	23	54,423	56,320	0.5482	0.00042	0.00042	99,106	41	99,087	5,117,011	51.63
35	17	53,719	54,321	0.5036	0.00031	0.00031	99,065	31	99,049	5,017,924	50.65
36	28	53,345	53,637	0.4290	0.00052	0.00052	99,034	52	99,004	4,918,875	49.67
37	31	53,126	53,185	0.5167	0.00058	0.00058	98,982	58	98,954	4,819,871	48.69
38	24	51,462	53,105	0.5426	0.00046	0.00046	98,924	45	98,903	4,720,917	47.72
39	37	51,470	51,298	0.4421	0.00072	0.00072	98,879	71	98,839	4,622,013	46.74
40	38	51,662	51,244	0.5337	0.00074	0.00074	98,808	73	98,773	4,523,174	45.78
41	47	49,410	51,389	0.5159	0.00093	0.00093	98,735	92	98,690	4,424,401	44.81
42	40	47,718	49,379	0.4505	0.00082	0.00082	98,643	81	98,598	4,325,711	43.85

43	41	46,180	47,574	0.5826	0.00087	0.00087	98,561	86	98,525	4,227,113	42.89
44	56	46,195	46,070	0.5231	0.00121	0.00121	98,475	119	98,418	4,128,588	41.93
45	52	45,185	46,075	0.4847	0.00114	0.00114	98,356	112	98,298	4,030,170	40.98
46	63	44,355	44,895	0.5367	0.00141	0.00141	98,244	139	98,179	3,931,872	40.02
47	67	43,753	44,306	0.4487	0.00152	0.00152	98,105	149	98,023	3,833,692	39.08
48	61	41,054	43,649	0.5432	0.00144	0.00144	97,956	141	97,891	3,735,669	38.14
49	75	40,009	40,959	0.5333	0.00185	0.00185	97,815	181	97,730	3,637,778	37.19
50	50	38,446	39,776	0.5016	0.00128	0.00128	97,634	125	97,572	3,540,048	36.26
51	68	38,298	38,198	0.5448	0.00178	0.00178	97,509	173	97,430	3,442,476	35.30
52	67	37,958	38,029	0.5061	0.00176	0.00176	97,336	171	97,251	3,345,046	34.37
53	73	35,872	37,779	0.4245	0.00198	0.00198	97,164	192	97,054	3,247,795	33.43
54	84	35,473	35,553	0.4886	0.00237	0.00236	96,972	229	96,855	3,150,741	32.49
55	91	37,291	35,266	0.4947	0.00251	0.00251	96,743	242	96,620	3,053,886	31.57
56	98	39,202	36,983	0.5203	0.00257	0.00257	96,501	248	96,382	2,957,266	30.65
57	89	35,214	38,890	0.4637	0.00240	0.00240	96,253	231	96,129	2,860,884	29.72
58	98	33,152	34,984	0.5382	0.00288	0.00287	96,022	276	95,894	2,764,755	28.79
59	106	34,789	32,863	0.4950	0.00313	0.00313	95,746	300	95,595	2,668,861	27.87
60	111	33,723	34,514	0.4654	0.00325	0.00325	95,446	310	95,281	2,573,267	26.96
61	126	32,188	33,417	0.4741	0.00384	0.00383	95,136	365	94,944	2,477,986	26.05
62	128	27,187	31,847	0.4885	0.00434	0.00433	94,772	410	94,562	2,383,042	25.15
63	106	24,384	26,877	0.4632	0.00414	0.00413	94,361	389	94,152	2,288,480	24.25
64	129	31,560	24,077	0.5103	0.00464	0.00463	93,972	435	93,759	2,194,327	23.35
65	117	20,240	31,270	0.5022	0.00454	0.00453	93,537	424	93,326	2,100,568	22.46
66	123	23,491	20,056	0.5573	0.00565	0.00563	93,113	525	92,881	2,007,242	21.56
67	144	25,541	23,253	0.5022	0.00590	0.00589	92,589	545	92,317	1,914,361	20.68
68	179	27,852	25,295	0.5155	0.00674	0.00671	92,044	618	91,744	1,822,044	19.80
69	210	26,063	27,524	0.5080	0.00784	0.00781	91,426	714	91,075	1,730,299	18.93
70	233	26,042	25,810	0.4948	0.00899	0.00895	90,712	812	90,302	1,639,225	18.07
71	235	26,714	25,683	0.4907	0.00897	0.00893	89,900	803	89,492	1,548,923	17.23
72	294	25,802	26,368	0.5030	0.01127	0.01121	89,098	999	88,601	1,459,431	16.38
73	293	24,424	25,424	0.5417	0.01176	0.01169	88,099	1,030	87,627	1,370,830	15.56
74	372	24,477	24,019	0.5010	0.01534	0.01522	87,069	1,326	86,407	1,283,203	14.74
75	382	23,365	24,019	0.5158	0.01612	0.01600	85,743	1,372	85,079	1,196,795	13.96
76	428	22,994	22,904	0.5119	0.01865	0.01848	84,372	1,559	83,610	1,111,716	13.18
77	447	20,857	22,494	0.5126	0.02062	0.02042	82,812	1,691	81,988	1,028,106	12.41
78	522	20,268	20,348	0.5046	0.02570	0.02538	81,121	2,059	80,101	946,118	11.66
79	560	18,851	19,668	0.4859	0.02908	0.02865	79,062	2,265	77,898	866,016	10.95
80	653	17,882	18,244	0.5019	0.03615	0.03551	76,797	2,727	75,439	788,118	10.26
81	686	16,862	17,177	0.5262	0.04031	0.03955	74,070	2,930	72,682	712,679	9.62
82	783	16,435	16,115	0.4970	0.04811	0.04697	71,141	3,342	69,460	639,997	9.00
83	778	14,164	15,671	0.4967	0.05215	0.05082	67,799	3,446	66,065	570,537	8.42
84	783	12,844	13,389	0.5205	0.05970	0.05803	64,353	3,735	62,563	504,472	7.84
85	785	10,510	11,981	0.4839	0.06981	0.06738	60,619	4,084	58,511	441,910	7.29
86	822	9,717	9,780	0.5197	0.08432	0.08104	56,534	4,581	54,334	383,399	6.78
87	861	8,900	8,846	0.5237	0.09704	0.09275	51,953	4,819	49,658	329,065	6.33
88	831	7,577	8,004	0.4932	0.10667	0.10120	47,134	4,770	44,717	279,407	5.93
89	806	6,794	6,781	0.4987	0.11875	0.11208	42,364	4,748	39,984	234,691	5.54
90	5,312	26,996	27,995		0.19320	1.00000	37,616	37,616	194,706	194,706	5.18

(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