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. 2000

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)
		1/1/2000	1/1/2001								
0	121	25,920	28,725	0.1652	0.00443	0.00441	100,000	441	99,632	7,694,253	76.94
1	11	25,688	27,006	0.5889	0.00042	0.00042	99,559	42	99,542	7,594,621	76.28
2	7	22,673	25,232	0.5738	0.00029	0.00029	99,517	29	99,505	7,495,079	75.31
3	4	22,423	24,902	0.5546	0.00017	0.00017	99,488	17	99,481	7,395,574	74.34
4	4	23,274	24,139	0.5321	0.00017	0.00017	99,471	17	99,463	7,296,094	73.35
5	4	23,894	24,466	0.4740	0.00017	0.00017	99,455	16	99,446	7,196,630	72.36
6	4	24,381	24,757	0.5253	0.00016	0.00016	99,438	16	99,430	7,097,184	71.37
7	3	25,196	25,330	0.5601	0.00012	0.00012	99,422	12	99,417	6,997,754	70.38
8	3	24,795	26,039	0.3160	0.00012	0.00012	99,410	12	99,402	6,898,337	69.39
9	3	25,075	25,519	0.4399	0.00012	0.00012	99,398	12	99,392	6,798,935	68.40
10	0	26,031	25,690	0.0000	0.00000	0.00000	99,387	0	99,387	6,699,543	67.41
11	4	26,192	26,688	0.1783	0.00015	0.00015	99,387	15	99,374	6,600,157	66.41
12	3	27,013	26,880	0.7605	0.00011	0.00011	99,372	11	99,369	6,500,783	65.42
13	9	27,725	27,655	0.6096	0.00033	0.00032	99,360	32	99,348	6,401,414	64.43
14	4	29,281	28,329	0.3545	0.00014	0.00014	99,328	14	99,319	6,302,066	63.45
15	8	30,360	29,807	0.5376	0.00027	0.00027	99,314	26	99,302	6,202,747	62.46
16	11	31,669	31,119	0.6495	0.00035	0.00035	99,288	35	99,276	6,103,444	61.47
17	9	34,019	32,608	0.4032	0.00027	0.00027	99,253	27	99,237	6,004,169	60.49
18	12	36,249	34,898	0.5282	0.00034	0.00034	99,226	33	99,211	5,904,931	59.51
19	19	38,136	37,329	0.5778	0.00050	0.00050	99,193	50	99,172	5,805,721	58.53
20	21	41,072	39,293	0.6503	0.00052	0.00052	99,143	52	99,125	5,706,549	57.56
21	23	44,285	42,338	0.4689	0.00053	0.00053	99,091	53	99,063	5,607,424	56.59
22	34	46,484	45,626	0.5141	0.00074	0.00074	99,039	73	99,003	5,508,361	55.62
23	36	48,642	48,032	0.4845	0.00074	0.00074	98,965	74	98,928	5,409,358	54.66
24	36	49,649	50,443	0.4617	0.00072	0.00072	98,892	71	98,854	5,310,430	53.70
25	35	49,934	51,426	0.4238	0.00069	0.00069	98,821	68	98,781	5,211,577	52.74
26	38	49,273	51,858	0.4275	0.00075	0.00075	98,752	74	98,710	5,112,795	51.77
27	36	49,088	50,985	0.5547	0.00072	0.00072	98,678	71	98,647	5,014,085	50.81
28	42	48,375	50,940	0.4464	0.00085	0.00085	98,607	83	98,561	4,915,439	49.85
29	37	47,358	50,326	0.4809	0.00076	0.00076	98,524	75	98,485	4,816,878	48.89
30	48	46,862	49,511	0.5253	0.00100	0.00100	98,449	98	98,403	4,718,392	47.93
31	43	46,010	49,063	0.5029	0.00090	0.00090	98,351	89	98,307	4,619,989	46.97
32	58	46,042	48,391	0.4756	0.00123	0.00123	98,262	121	98,199	4,521,682	46.02
33	56	45,012	48,214	0.5591	0.00120	0.00120	98,142	118	98,090	4,423,483	45.07
34	50	44,945	47,218	0.5607	0.00109	0.00108	98,024	106	97,977	4,325,393	44.13
35	64	44,805	47,039	0.5089	0.00139	0.00139	97,918	136	97,851	4,227,416	43.17
36	75	42,974	46,750	0.5330	0.00167	0.00167	97,781	163	97,705	4,129,565	42.23
37	84	41,491	44,852	0.4885	0.00195	0.00194	97,618	190	97,521	4,031,861	41.30
38	75	39,782	43,103	0.4957	0.00181	0.00181	97,428	176	97,339	3,934,340	40.38
39	80	39,718	41,273	0.5093	0.00198	0.00197	97,252	192	97,158	3,837,000	39.45
40	84	38,587	41,219	0.5020	0.00211	0.00210	97,060	204	96,958	3,739,843	38.53
41	79	37,767	39,816	0.4815	0.00204	0.00203	96,856	197	96,754	3,642,884	37.61
42	87	37,235	38,874	0.5064	0.00229	0.00228	96,659	221	96,550	3,546,130	36.69

43	74	34,791	38,257	0.5152	0.00203	0.00202	96,438	195	96,344	3,449,580	35.77
44	85	33,620	35,647	0.4607	0.00245	0.00245	96,243	236	96,116	3,353,237	34.84
45	87	32,029	34,498	0.4492	0.00262	0.00261	96,007	251	95,869	3,257,121	33.93
46	101	32,804	32,722	0.5145	0.00308	0.00308	95,756	295	95,613	3,161,252	33.01
47	125	32,506	33,371	0.4992	0.00379	0.00379	95,462	362	95,281	3,065,639	32.11
48	111	31,092	33,006	0.5129	0.00346	0.00346	95,100	329	94,940	2,970,358	31.23
49	114	31,098	31,593	0.4939	0.00364	0.00363	94,771	344	94,597	2,875,418	30.34
50	133	32,255	31,467	0.4797	0.00417	0.00417	94,427	393	94,223	2,780,821	29.45
51	140	34,278	32,613	0.4782	0.00419	0.00418	94,034	393	93,829	2,686,599	28.57
52	157	31,354	34,512	0.4834	0.00477	0.00476	93,641	445	93,411	2,592,770	27.69
53	170	29,171	31,633	0.4616	0.00559	0.00557	93,196	520	92,916	2,499,359	26.82
54	157	30,948	29,380	0.5466	0.00520	0.00519	92,676	481	92,458	2,406,443	25.97
55	169	29,713	31,084	0.5070	0.00556	0.00554	92,195	511	91,943	2,313,985	25.10
56	208	29,187	29,813	0.5206	0.00705	0.00703	91,684	644	91,375	2,222,042	24.24
57	182	24,837	29,258	0.4785	0.00673	0.00671	91,040	610	90,721	2,130,667	23.40
58	170	22,773	24,901	0.4882	0.00713	0.00711	90,429	643	90,100	2,039,946	22.56
59	208	29,144	22,786	0.4931	0.00801	0.00798	89,787	716	89,423	1,949,845	21.72
60	232	17,514	29,059	0.4724	0.00996	0.00991	89,070	883	88,604	1,860,422	20.89
61	211	20,828	17,502	0.5169	0.01101	0.01095	88,187	966	87,721	1,771,818	20.09
62	234	22,380	20,756	0.5394	0.01085	0.01080	87,222	942	86,788	1,684,097	19.31
63	312	23,829	22,271	0.4923	0.01354	0.01344	86,280	1,160	85,691	1,597,309	18.51
64	328	22,734	23,708	0.5051	0.01413	0.01403	85,120	1,194	84,529	1,511,618	17.76
65	354	22,458	22,520	0.5193	0.01574	0.01562	83,926	1,311	83,296	1,427,089	17.00
66	375	22,655	22,234	0.5060	0.01671	0.01657	82,615	1,369	81,939	1,343,793	16.27
67	435	21,938	22,394	0.5130	0.01962	0.01944	81,246	1,579	80,477	1,261,854	15.53
68	421	20,728	21,698	0.5170	0.01985	0.01966	79,667	1,566	78,910	1,181,377	14.83
69	516	20,074	20,379	0.5004	0.02551	0.02519	78,101	1,967	77,118	1,102,467	14.12
70	492	19,162	19,764	0.5032	0.02528	0.02497	76,133	1,901	75,189	1,025,349	13.47
71	520	17,956	18,781	0.5290	0.02831	0.02794	74,233	2,074	73,256	950,160	12.80
72	568	16,092	17,589	0.5139	0.03373	0.03318	72,159	2,395	70,995	876,905	12.15
73	564	15,929	15,724	0.5063	0.03564	0.03502	69,764	2,443	68,558	805,910	11.55
74	597	14,222	15,450	0.4997	0.04024	0.03945	67,321	2,656	65,992	737,352	10.95
75	611	13,522	13,782	0.5022	0.04476	0.04378	64,665	2,831	63,256	671,359	10.38
76	620	12,754	13,077	0.5108	0.04800	0.04690	61,834	2,900	60,416	608,103	9.83
77	605	11,583	12,268	0.4924	0.05073	0.04946	58,934	2,915	57,455	547,688	9.29
78	637	10,465	11,091	0.5133	0.05910	0.05745	56,019	3,218	54,453	490,233	8.75
79	604	8,937	9,906	0.5031	0.06411	0.06213	52,801	3,281	51,171	435,780	8.25
80	580	7,221	8,474	0.4899	0.07391	0.07122	49,521	3,527	47,722	384,609	7.77
81	510	6,411	6,832	0.5044	0.07702	0.07419	45,994	3,412	44,302	336,887	7.32
82	542	5,869	5,982	0.4910	0.09147	0.08740	42,581	3,722	40,687	292,585	6.87
83	537	5,354	5,460	0.4894	0.09932	0.09452	38,860	3,673	36,984	251,898	6.48
84	520	4,805	4,913	0.4998	0.10702	0.10158	35,187	3,574	33,399	214,913	6.11
85	507	4,234	4,398	0.4710	0.11747	0.11060	31,612	3,496	29,763	181,515	5.74
86	526	3,764	3,794	0.4987	0.13919	0.13011	28,116	3,658	26,282	151,752	5.40
87	429	3,231	3,365	0.4975	0.13008	0.12210	24,458	2,986	22,957	125,469	5.13
88	417	2,754	2,893	0.4994	0.14769	0.13752	21,472	2,953	19,993	102,512	4.77
89	386	2,121	2,421	0.4783	0.16997	0.15613	18,519	2,891	17,010	82,519	4.46
90	1,569	6,240	6,914		0.23856	1.00000	15,628	15,628	65,508	65,508	4.19

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Tabla de mortalidad femenina. 2000

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)
		1/1/2000	1/1/2001								
0	109	24,699	27,386	0.1373	0.00419	0.00417	100,000	417	99,640	8,406,231	84.06
1	7	24,347	25,901	0.5340	0.00028	0.00028	99,583	28	99,570	8,306,590	83.41
2	2	21,313	23,855	0.4577	0.00009	0.00009	99,555	9	99,550	8,207,020	82.44
3	0	21,880	23,526	0.0000	0.00000	0.00000	99,546	0	99,546	8,107,470	81.44
4	4	21,954	23,534	0.1837	0.00018	0.00018	99,546	18	99,532	8,007,924	80.44
5	2	22,287	23,055	0.6448	0.00009	0.00009	99,529	9	99,526	7,908,391	79.46
6	2	23,388	23,209	0.9016	0.00009	0.00009	99,520	9	99,519	7,808,866	78.47
7	2	24,140	24,212	0.3675	0.00008	0.00008	99,512	8	99,506	7,709,346	77.47
8	2	23,600	24,988	0.4454	0.00008	0.00008	99,503	8	99,499	7,609,840	76.48
9	0	23,884	24,345	0.0000	0.00000	0.00000	99,495	0	99,495	7,510,341	75.48
10	3	24,384	24,579	0.1931	0.00012	0.00012	99,495	12	99,485	7,410,846	74.48
11	2	24,528	25,158	0.8989	0.00008	0.00008	99,483	8	99,482	7,311,361	73.49
12	2	25,404	25,287	0.0628	0.00008	0.00008	99,475	8	99,468	7,211,879	72.50
13	1	26,393	26,101	0.5492	0.00004	0.00004	99,467	4	99,465	7,112,411	71.51
14	4	27,557	27,003	0.3361	0.00015	0.00015	99,463	15	99,454	7,012,946	70.51
15	6	28,795	28,199	0.5651	0.00021	0.00021	99,449	21	99,440	6,913,492	69.52
16	4	30,234	29,591	0.4385	0.00013	0.00013	99,428	13	99,420	6,814,052	68.53
17	4	32,770	31,186	0.5608	0.00013	0.00013	99,414	12	99,409	6,714,632	67.54
18	7	34,932	33,932	0.6007	0.00020	0.00020	99,402	20	99,394	6,615,223	66.55
19	8	37,265	36,198	0.4771	0.00022	0.00022	99,382	22	99,371	6,515,829	65.56
20	12	40,083	38,693	0.5665	0.00030	0.00030	99,360	30	99,347	6,416,459	64.58
21	12	42,927	41,479	0.5449	0.00028	0.00028	99,330	28	99,317	6,317,111	63.60
22	9	44,788	44,618	0.4693	0.00020	0.00020	99,302	20	99,291	6,217,794	62.62
23	10	47,846	46,653	0.5426	0.00021	0.00021	99,282	21	99,272	6,118,503	61.63
24	12	48,371	49,634	0.6082	0.00024	0.00024	99,261	24	99,251	6,019,231	60.64
25	13	48,790	50,312	0.4769	0.00026	0.00026	99,236	26	99,223	5,919,980	59.66
26	10	47,933	50,798	0.5079	0.00020	0.00020	99,210	20	99,200	5,820,757	58.67
27	19	47,524	50,008	0.4863	0.00039	0.00039	99,190	39	99,170	5,721,557	57.68
28	16	47,725	49,768	0.6443	0.00033	0.00033	99,152	33	99,140	5,622,386	56.70
29	12	46,318	50,094	0.5168	0.00025	0.00025	99,119	25	99,107	5,523,246	55.72
30	23	45,733	48,828	0.4247	0.00049	0.00049	99,094	48	99,067	5,424,139	54.74
31	13	45,768	48,190	0.3413	0.00028	0.00028	99,046	27	99,028	5,325,072	53.76
32	17	45,831	48,273	0.4728	0.00036	0.00036	99,019	36	99,000	5,226,044	52.78
33	27	45,289	48,304	0.5387	0.00058	0.00058	98,983	57	98,957	5,127,044	51.80
34	20	45,351	47,492	0.5246	0.00043	0.00043	98,926	43	98,906	5,028,087	50.83
35	28	45,636	47,500	0.5109	0.00060	0.00060	98,883	59	98,854	4,929,182	49.85
36	27	43,968	47,758	0.3863	0.00059	0.00059	98,824	58	98,788	4,830,327	48.88
37	30	42,608	45,754	0.4863	0.00068	0.00068	98,766	67	98,731	4,731,539	47.91
38	26	41,497	44,250	0.4381	0.00061	0.00061	98,699	60	98,665	4,632,808	46.94
39	26	41,634	42,838	0.5453	0.00062	0.00062	98,639	61	98,611	4,534,143	45.97
40	46	41,001	43,133	0.4667	0.00109	0.00109	98,578	108	98,521	4,435,532	45.00
41	45	40,316	42,256	0.5072	0.00109	0.00109	98,470	107	98,418	4,337,011	44.04
42	44	40,376	41,511	0.4762	0.00107	0.00107	98,363	106	98,308	4,238,593	43.09

43	39	37,881	41,378	0.5275	0.00098	0.00098	98,258	97	98,212	4,140,285	42.14
44	54	37,229	38,770	0.5368	0.00142	0.00142	98,161	139	98,096	4,042,074	41.18
45	33	35,950	38,000	0.5739	0.00089	0.00089	98,021	87	97,984	3,943,977	40.24
46	54	36,042	36,620	0.5277	0.00149	0.00149	97,934	145	97,865	3,845,993	39.27
47	66	35,934	36,558	0.4726	0.00182	0.00182	97,789	178	97,695	3,748,128	38.33
48	56	33,918	36,473	0.4058	0.00159	0.00159	97,611	155	97,518	3,650,433	37.40
49	51	33,911	34,478	0.4752	0.00149	0.00149	97,456	145	97,379	3,552,914	36.46
50	71	35,966	34,409	0.5080	0.00202	0.00202	97,310	196	97,214	3,455,535	35.51
51	71	37,862	36,260	0.5094	0.00192	0.00191	97,114	186	97,023	3,358,321	34.58
52	74	34,230	38,226	0.5157	0.00204	0.00204	96,928	198	96,832	3,261,298	33.65
53	65	32,193	34,531	0.5445	0.00195	0.00195	96,730	188	96,645	3,164,466	32.71
54	71	34,069	32,502	0.5072	0.00213	0.00213	96,542	206	96,441	3,067,821	31.78
55	87	33,180	34,341	0.4954	0.00258	0.00257	96,336	248	96,211	2,971,381	30.84
56	87	31,734	33,344	0.4530	0.00267	0.00267	96,089	257	95,948	2,875,169	29.92
57	84	26,890	31,849	0.4478	0.00286	0.00286	95,832	274	95,681	2,779,221	29.00
58	64	24,079	26,989	0.5610	0.00251	0.00250	95,558	239	95,453	2,683,540	28.08
59	86	31,496	24,190	0.4920	0.00309	0.00308	95,319	294	95,170	2,588,087	27.15
60	113	20,077	31,565	0.4203	0.00438	0.00437	95,025	415	94,785	2,492,917	26.23
61	78	23,409	20,192	0.5107	0.00358	0.00357	94,610	338	94,445	2,398,132	25.35
62	100	25,512	23,526	0.4707	0.00408	0.00407	94,272	384	94,069	2,303,688	24.44
63	123	28,088	25,661	0.5439	0.00458	0.00457	93,889	429	93,693	2,209,618	23.53
64	147	26,451	28,164	0.4899	0.00538	0.00537	93,460	502	93,204	2,115,925	22.64
65	175	26,381	26,454	0.5013	0.00662	0.00660	92,958	614	92,652	2,022,721	21.76
66	181	27,074	26,377	0.4903	0.00677	0.00675	92,344	623	92,027	1,930,069	20.90
67	186	26,335	27,112	0.5044	0.00696	0.00694	91,721	636	91,406	1,838,042	20.04
68	223	25,046	26,361	0.5480	0.00868	0.00864	91,085	787	90,729	1,746,636	19.18
69	273	25,382	25,012	0.4575	0.01083	0.01077	90,298	973	89,770	1,655,907	18.34
70	255	24,323	25,323	0.5213	0.01027	0.01022	89,325	913	88,888	1,566,137	17.53
71	276	24,338	24,277	0.4844	0.01135	0.01129	88,412	998	87,897	1,477,249	16.71
72	288	22,241	24,161	0.4999	0.01241	0.01234	87,414	1,078	86,875	1,389,352	15.89
73	316	22,038	22,070	0.4837	0.01433	0.01422	86,336	1,228	85,702	1,302,477	15.09
74	362	20,551	21,817	0.5186	0.01709	0.01695	85,108	1,442	84,413	1,216,775	14.30
75	411	19,955	20,400	0.5132	0.02037	0.02017	83,665	1,687	82,844	1,132,362	13.53
76	407	19,142	19,652	0.5029	0.02098	0.02077	81,978	1,702	81,131	1,049,518	12.80
77	505	19,006	18,944	0.5049	0.02661	0.02627	80,275	2,109	79,231	968,387	12.06
78	516	16,807	18,735	0.5039	0.02904	0.02862	78,167	2,237	77,057	889,155	11.38
79	512	15,908	16,465	0.5199	0.03163	0.03116	75,929	2,366	74,793	812,099	10.70
80	552	13,350	15,487	0.5030	0.03828	0.03757	73,563	2,764	72,190	737,305	10.02
81	550	13,008	12,955	0.5016	0.04237	0.04149	70,800	2,938	69,336	665,115	9.39
82	641	12,268	12,577	0.5191	0.05160	0.05035	67,862	3,417	66,219	595,780	8.78
83	685	11,090	11,798	0.5056	0.05986	0.05814	64,445	3,747	62,593	529,561	8.22
84	685	10,704	10,629	0.4989	0.06422	0.06222	60,699	3,777	58,806	466,968	7.69
85	752	9,749	10,150	0.5054	0.07558	0.07286	56,922	4,147	54,871	408,162	7.17
86	777	8,919	9,193	0.4940	0.08580	0.08223	52,775	4,340	50,579	353,291	6.69
87	789	7,828	8,321	0.4978	0.09772	0.09314	48,435	4,511	46,170	302,712	6.25
88	763	6,561	7,219	0.4930	0.11074	0.10485	43,924	4,606	41,589	256,542	5.84
89	759	5,715	5,952	0.4922	0.13011	0.12205	39,318	4,799	36,881	214,953	5.47
90	4,042	19,773	21,929		0.19385	1.00000	34,520	34,520	178,072	178,072	5.16

(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