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05.07.2007.

**Tabla de mortalidad masculina. 2001**

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)
		1/1/2001	1/1/2002								
0	140	28,725	30,259	0.1312	0.00475	0.00473	100,000	473	99,589	7,718,506	77.19
1	14	27,006	29,061	0.5237	0.00050	0.00050	99,527	50	99,504	7,618,917	76.55
2	6	25,232	26,529	0.3717	0.00023	0.00023	99,478	23	99,463	7,519,414	75.59
3	7	24,902	26,067	0.3875	0.00027	0.00027	99,454	27	99,438	7,419,951	74.61
4	3	24,139	25,723	0.5151	0.00012	0.00012	99,427	12	99,421	7,320,513	73.63
5	4	24,466	25,070	0.4740	0.00016	0.00016	99,415	16	99,407	7,221,091	72.64
6	4	24,757	25,329	0.4493	0.00016	0.00016	99,399	16	99,390	7,121,685	71.65
7	2	25,330	25,700	0.7932	0.00008	0.00008	99,383	8	99,382	7,022,294	70.66
8	4	26,039	26,185	0.6377	0.00015	0.00015	99,375	15	99,370	6,922,913	69.66
9	3	25,519	26,905	0.2831	0.00011	0.00011	99,360	11	99,352	6,823,543	68.67
10	4	25,690	26,376	0.5699	0.00015	0.00015	99,349	15	99,342	6,724,190	67.68
11	4	26,688	26,527	0.3808	0.00015	0.00015	99,334	15	99,324	6,624,848	66.69
12	6	26,880	27,578	0.1292	0.00022	0.00022	99,319	22	99,300	6,525,524	65.70
13	5	27,655	27,672	0.4389	0.00018	0.00018	99,297	18	99,287	6,426,224	64.72
14	4	28,329	28,423	0.5390	0.00014	0.00014	99,279	14	99,272	6,326,937	63.73
15	8	29,807	29,136	0.5949	0.00027	0.00027	99,265	27	99,254	6,227,665	62.74
16	11	31,119	30,619	0.4640	0.00036	0.00036	99,238	35	99,219	6,128,411	61.75
17	8	32,608	31,982	0.6123	0.00025	0.00025	99,203	25	99,193	6,029,192	60.78
18	16	34,898	33,376	0.4863	0.00047	0.00047	99,178	46	99,154	5,929,999	59.79
19	18	37,329	36,129	0.5291	0.00049	0.00049	99,132	49	99,109	5,830,845	58.82
20	30	39,293	38,676	0.4187	0.00077	0.00077	99,083	76	99,039	5,731,736	57.85
21	27	42,338	40,820	0.5260	0.00065	0.00065	99,007	64	98,976	5,632,697	56.89
22	32	45,626	43,991	0.5308	0.00071	0.00071	98,942	71	98,909	5,533,721	55.93
23	31	48,032	47,428	0.5366	0.00065	0.00065	98,872	64	98,842	5,434,812	54.97
24	37	50,443	49,971	0.4208	0.00074	0.00074	98,808	73	98,765	5,335,970	54.00
25	36	51,426	52,447	0.5476	0.00069	0.00069	98,735	68	98,704	5,237,204	53.04
26	33	51,858	53,310	0.5303	0.00063	0.00063	98,666	62	98,637	5,138,500	52.08
27	30	50,985	53,770	0.5523	0.00057	0.00057	98,605	56	98,579	5,039,863	51.11
28	38	50,940	52,964	0.4583	0.00073	0.00073	98,548	72	98,509	4,941,284	50.14
29	43	50,326	52,906	0.5106	0.00083	0.00083	98,476	82	98,436	4,842,774	49.18
30	56	49,511	52,161	0.4920	0.00110	0.00110	98,394	108	98,339	4,744,339	48.22
31	51	49,063	51,301	0.5649	0.00102	0.00102	98,286	100	98,242	4,646,000	47.27
32	47	48,391	50,785	0.4718	0.00095	0.00095	98,186	93	98,137	4,547,757	46.32
33	65	48,214	49,994	0.6117	0.00132	0.00132	98,093	130	98,042	4,449,621	45.36
34	63	47,218	49,785	0.5456	0.00130	0.00130	97,963	127	97,905	4,351,578	44.42
35	62	47,039	48,555	0.5346	0.00130	0.00130	97,836	127	97,777	4,253,673	43.48
36	93	46,750	48,337	0.5314	0.00196	0.00195	97,709	191	97,620	4,155,896	42.53
37	68	44,852	48,043	0.5049	0.00146	0.00146	97,518	143	97,447	4,058,276	41.62
38	76	43,103	46,034	0.4972	0.00171	0.00170	97,375	166	97,292	3,960,829	40.68
39	90	41,273	44,310	0.4822	0.00210	0.00210	97,210	204	97,104	3,863,537	39.74
40	80	41,219	42,217	0.5063	0.00192	0.00192	97,005	186	96,914	3,766,433	38.83
41	87	39,816	42,279	0.4976	0.00212	0.00212	96,819	205	96,716	3,669,520	37.90
42	66	38,874	40,760	0.5559	0.00166	0.00166	96,614	160	96,543	3,572,803	36.98

43	92	38,257	39,741	0.5068	0.00236	0.00236	96,454	227	96,342	3,476,260	36.04
44	90	35,647	39,050	0.5225	0.00241	0.00241	96,227	232	96,117	3,379,917	35.12
45	85	34,498	36,404	0.5109	0.00240	0.00239	95,996	230	95,883	3,283,801	34.21
46	106	32,722	35,211	0.4586	0.00312	0.00312	95,766	298	95,604	3,187,918	33.29
47	101	33,371	33,306	0.4496	0.00303	0.00302	95,467	289	95,308	3,092,314	32.39
48	111	33,006	33,934	0.5153	0.00332	0.00331	95,179	315	95,026	2,997,005	31.49
49	137	31,593	33,481	0.4954	0.00421	0.00420	94,863	399	94,662	2,901,979	30.59
50	136	31,467	31,991	0.4886	0.00429	0.00428	94,465	404	94,258	2,807,317	29.72
51	126	32,613	31,853	0.5139	0.00391	0.00390	94,061	367	93,882	2,713,059	28.84
52	158	34,512	32,980	0.4954	0.00468	0.00467	93,694	438	93,473	2,619,176	27.95
53	191	31,633	34,824	0.5067	0.00575	0.00573	93,256	535	92,992	2,525,703	27.08
54	182	29,380	31,783	0.4754	0.00595	0.00593	92,722	550	92,433	2,432,711	26.24
55	174	31,084	29,618	0.5197	0.00573	0.00572	92,172	527	91,918	2,340,278	25.39
56	197	29,813	31,227	0.4962	0.00645	0.00643	91,645	590	91,348	2,248,359	24.53
57	238	29,258	29,886	0.5280	0.00805	0.00802	91,055	730	90,710	2,157,012	23.69
58	192	24,901	29,352	0.4854	0.00708	0.00705	90,325	637	89,997	2,066,302	22.88
59	158	22,786	24,990	0.4775	0.00661	0.00659	89,688	591	89,379	1,976,304	22.04
60	252	29,059	22,818	0.5608	0.00972	0.00967	89,097	862	88,718	1,886,925	21.18
61	237	17,502	28,938	0.4923	0.01021	0.01015	88,235	896	87,780	1,798,207	20.38
62	229	20,756	17,548	0.5219	0.01196	0.01189	87,339	1,038	86,842	1,710,427	19.58
63	281	22,271	20,717	0.5091	0.01307	0.01299	86,301	1,121	85,750	1,623,585	18.81
64	320	23,708	22,161	0.5148	0.01395	0.01386	85,179	1,180	84,607	1,537,835	18.05
65	371	22,520	23,544	0.4997	0.01611	0.01598	83,999	1,342	83,327	1,453,228	17.30
66	333	22,234	22,367	0.5108	0.01493	0.01482	82,657	1,225	82,057	1,369,901	16.57
67	393	22,394	22,116	0.5226	0.01766	0.01751	81,431	1,426	80,751	1,287,843	15.82
68	434	21,698	22,227	0.5060	0.01976	0.01957	80,005	1,566	79,232	1,207,093	15.09
69	458	20,379	21,395	0.4751	0.02193	0.02168	78,440	1,700	77,547	1,127,861	14.38
70	526	19,764	20,188	0.5189	0.02633	0.02600	76,739	1,995	75,779	1,050,313	13.69
71	531	18,781	19,474	0.5005	0.02776	0.02738	74,744	2,047	73,722	974,534	13.04
72	521	17,589	18,549	0.4964	0.02883	0.02842	72,697	2,066	71,657	900,812	12.39
73	580	15,724	17,271	0.4948	0.03516	0.03454	70,631	2,440	69,399	829,156	11.74
74	601	15,450	15,392	0.5207	0.03897	0.03826	68,191	2,609	66,941	759,757	11.14
75	568	13,782	15,045	0.4873	0.03941	0.03863	65,582	2,533	64,284	692,816	10.56
76	579	13,077	13,471	0.5149	0.04362	0.04272	63,049	2,693	61,743	628,532	9.97
77	658	12,268	12,666	0.4989	0.05278	0.05142	60,356	3,103	58,801	566,790	9.39
78	621	11,091	11,858	0.5081	0.05412	0.05272	57,253	3,018	55,768	507,989	8.87
79	677	9,906	10,659	0.5304	0.06584	0.06387	54,234	3,464	52,608	452,221	8.34
80	664	8,474	9,446	0.4941	0.07411	0.07143	50,771	3,627	48,936	399,613	7.87
81	619	6,832	8,069	0.5037	0.08308	0.07979	47,144	3,762	45,277	350,677	7.44
82	512	5,982	6,488	0.5162	0.08212	0.07898	43,382	3,426	41,725	305,400	7.04
83	516	5,460	5,640	0.4851	0.09297	0.08873	39,956	3,545	38,131	263,675	6.60
84	530	4,913	5,082	0.4883	0.10605	0.10059	36,411	3,663	34,537	225,544	6.19
85	553	4,398	4,504	0.4906	0.12424	0.11685	32,748	3,827	30,799	191,007	5.83
86	500	3,794	4,056	0.5018	0.12739	0.11979	28,922	3,464	27,196	160,208	5.54
87	520	3,365	3,395	0.4925	0.15385	0.14270	25,457	3,633	23,614	133,012	5.22
88	445	2,893	3,037	0.5036	0.15008	0.13968	21,824	3,048	20,311	109,399	5.01
89	443	2,421	2,559	0.4841	0.17791	0.16295	18,776	3,060	17,198	89,087	4.74
90	1,631	6,914	8,007		0.21862	1.00000	15,716	15,716	71,890	71,890	4.57

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**Tabla de mortalidad femenina. 2001**

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)
		1/1/2001	1/1/2002								
0	87	27,386	28,634	0.1497	0.00311	0.00310	100,000	310	99,737	8,452,901	84.53
1	12	25,901	27,312	0.4744	0.00045	0.00045	99,690	45	99,667	8,353,165	83.79
2	7	23,855	24,956	0.5213	0.00029	0.00029	99,645	29	99,632	8,253,498	82.83
3	4	23,526	24,557	0.2137	0.00017	0.00017	99,617	17	99,604	8,153,867	81.85
4	1	23,534	24,308	0.1836	0.00004	0.00004	99,600	4	99,597	8,054,263	80.87
5	5	23,055	24,338	0.4077	0.00021	0.00021	99,596	21	99,584	7,954,666	79.87
6	1	23,209	23,791	0.3918	0.00004	0.00004	99,575	4	99,572	7,855,083	78.89
7	1	24,212	24,024	0.2849	0.00004	0.00004	99,571	4	99,568	7,755,510	77.89
8	0	24,988	25,118	0.0000	0.00000	0.00000	99,567	0	99,567	7,655,943	76.89
9	3	24,345	25,814	0.5379	0.00012	0.00012	99,567	12	99,561	7,556,376	75.89
10	1	24,579	25,099	0.1753	0.00004	0.00004	99,555	4	99,551	7,456,815	74.90
11	5	25,158	25,337	0.6542	0.00020	0.00020	99,551	20	99,544	7,357,264	73.90
12	5	25,287	25,872	0.4948	0.00020	0.00020	99,531	19	99,521	7,257,720	72.92
13	3	26,101	25,974	0.7315	0.00012	0.00012	99,511	11	99,508	7,158,199	71.93
14	5	27,003	26,736	0.4356	0.00019	0.00019	99,500	19	99,490	7,058,690	70.94
15	1	28,199	27,800	0.5534	0.00004	0.00004	99,482	4	99,480	6,959,201	69.95
16	5	29,591	28,953	0.4203	0.00017	0.00017	99,478	17	99,468	6,859,721	68.96
17	7	31,186	30,486	0.5487	0.00023	0.00023	99,461	23	99,451	6,760,253	67.97
18	10	33,932	32,086	0.3712	0.00030	0.00030	99,438	30	99,419	6,660,802	66.98
19	4	36,198	35,205	0.7466	0.00011	0.00011	99,408	11	99,405	6,561,383	66.00
20	3	38,693	37,633	0.7553	0.00008	0.00008	99,397	8	99,395	6,461,977	65.01
21	12	41,479	40,344	0.4027	0.00029	0.00029	99,389	29	99,372	6,362,582	64.02
22	11	44,618	43,135	0.4281	0.00025	0.00025	99,360	25	99,346	6,263,210	63.04
23	8	46,653	46,461	0.5106	0.00017	0.00017	99,335	17	99,327	6,163,864	62.05
24	12	49,634	48,508	0.5023	0.00024	0.00024	99,318	24	99,306	6,064,537	61.06
25	9	50,312	51,641	0.2761	0.00018	0.00018	99,294	18	99,281	5,965,231	60.08
26	11	50,798	52,245	0.3983	0.00021	0.00021	99,276	21	99,264	5,865,950	59.09
27	15	50,008	52,878	0.4917	0.00029	0.00029	99,255	29	99,240	5,766,686	58.10
28	16	49,768	51,853	0.4642	0.00031	0.00031	99,226	31	99,210	5,667,446	57.12
29	13	50,094	51,437	0.5412	0.00026	0.00026	99,195	25	99,183	5,568,236	56.13
30	24	48,828	51,885	0.4447	0.00048	0.00048	99,170	47	99,143	5,469,053	55.15
31	10	48,190	50,449	0.4151	0.00020	0.00020	99,122	20	99,111	5,369,909	54.17
32	30	48,273	49,800	0.6033	0.00061	0.00061	99,102	61	99,078	5,270,799	53.19
33	20	48,304	49,596	0.6407	0.00041	0.00041	99,042	40	99,027	5,171,721	52.22
34	24	47,492	49,702	0.4524	0.00049	0.00049	99,001	49	98,974	5,072,693	51.24
35	23	47,500	48,775	0.4535	0.00048	0.00048	98,952	47	98,926	4,973,719	50.26
36	28	47,758	49,001	0.4883	0.00058	0.00058	98,905	57	98,876	4,874,793	49.29
37	34	45,754	49,054	0.5215	0.00072	0.00072	98,848	71	98,814	4,775,917	48.32
38	42	44,250	46,954	0.4665	0.00092	0.00092	98,777	91	98,728	4,677,103	47.35
39	44	42,838	45,384	0.5186	0.00100	0.00100	98,686	98	98,639	4,578,374	46.39
40	39	43,133	43,930	0.4715	0.00090	0.00090	98,588	88	98,541	4,479,736	45.44
41	45	42,256	44,044	0.5844	0.00104	0.00104	98,499	103	98,457	4,381,195	44.48
42	39	41,511	43,150	0.5615	0.00092	0.00092	98,397	91	98,357	4,282,738	43.53

43	44	41,378	42,492	0.5961	0.00105	0.00105	98,306	103	98,264	4,184,381	42.56
44	43	38,770	42,180	0.4945	0.00106	0.00106	98,203	104	98,150	4,086,117	41.61
45	46	38,000	39,582	0.4027	0.00119	0.00119	98,099	116	98,029	3,987,967	40.65
46	62	36,620	38,694	0.5240	0.00165	0.00165	97,982	161	97,906	3,889,937	39.70
47	55	36,558	37,228	0.4944	0.00149	0.00149	97,821	146	97,748	3,792,032	38.76
48	55	36,473	37,234	0.5311	0.00149	0.00149	97,676	146	97,607	3,694,284	37.82
49	60	34,478	36,973	0.5121	0.00168	0.00168	97,530	164	97,450	3,596,677	36.88
50	67	34,409	35,012	0.5365	0.00193	0.00193	97,366	188	97,279	3,499,227	35.94
51	79	36,260	34,798	0.5201	0.00222	0.00222	97,178	216	97,075	3,401,948	35.01
52	77	38,226	36,722	0.5119	0.00205	0.00205	96,963	199	96,865	3,304,873	34.08
53	74	34,531	38,589	0.4479	0.00202	0.00202	96,764	196	96,656	3,208,007	33.15
54	76	32,502	34,800	0.5164	0.00226	0.00226	96,568	218	96,463	3,111,352	32.22
55	74	34,341	32,743	0.4819	0.00221	0.00220	96,350	212	96,240	3,014,889	31.29
56	99	33,344	34,573	0.5403	0.00292	0.00291	96,138	280	96,009	2,918,649	30.36
57	85	31,849	33,643	0.5074	0.00260	0.00259	95,858	249	95,735	2,822,640	29.45
58	85	26,989	32,071	0.4996	0.00288	0.00287	95,609	275	95,472	2,726,905	28.52
59	74	24,190	27,161	0.5394	0.00288	0.00288	95,334	274	95,208	2,631,433	27.60
60	92	31,565	24,323	0.5625	0.00329	0.00329	95,060	313	94,923	2,536,225	26.68
61	96	20,192	31,721	0.5210	0.00370	0.00369	94,748	350	94,580	2,441,302	25.77
62	78	23,526	20,304	0.4397	0.00356	0.00355	94,398	335	94,210	2,346,722	24.86
63	122	25,661	23,619	0.5168	0.00495	0.00494	94,062	465	93,838	2,252,512	23.95
64	153	28,164	25,791	0.5365	0.00567	0.00566	93,598	529	93,352	2,158,674	23.06
65	159	26,454	28,261	0.4979	0.00581	0.00580	93,068	539	92,798	2,065,321	22.19
66	177	26,377	26,511	0.5190	0.00669	0.00667	92,529	617	92,232	1,972,524	21.32
67	180	27,112	26,397	0.4900	0.00673	0.00670	91,912	616	91,597	1,880,292	20.46
68	210	26,361	27,141	0.4885	0.00785	0.00782	91,295	714	90,930	1,788,694	19.59
69	215	25,012	26,365	0.5195	0.00837	0.00834	90,582	755	90,219	1,697,764	18.74
70	269	25,323	24,975	0.4918	0.01070	0.01064	89,827	956	89,341	1,607,545	17.90
71	282	24,277	25,269	0.5344	0.01138	0.01132	88,871	1,006	88,402	1,518,204	17.08
72	296	24,161	24,207	0.5076	0.01224	0.01217	87,865	1,069	87,338	1,429,802	16.27
73	340	22,070	24,082	0.4813	0.01473	0.01462	86,796	1,269	86,137	1,342,464	15.47
74	347	21,817	21,996	0.5334	0.01584	0.01572	85,527	1,345	84,899	1,256,326	14.69
75	417	20,400	21,638	0.4960	0.01984	0.01964	84,182	1,654	83,348	1,171,427	13.92
76	426	19,652	20,205	0.5249	0.02138	0.02116	82,528	1,746	81,698	1,088,079	13.18
77	455	18,944	19,460	0.5006	0.02370	0.02342	80,782	1,892	79,837	1,006,380	12.46
78	517	18,735	18,661	0.5074	0.02765	0.02728	78,890	2,152	77,830	926,543	11.74
79	525	16,465	18,355	0.4855	0.03016	0.02969	76,738	2,279	75,566	848,714	11.06
80	575	15,487	16,202	0.5041	0.03629	0.03565	74,459	2,654	73,143	773,148	10.38
81	633	12,955	15,115	0.4983	0.04510	0.04410	71,805	3,167	70,216	700,005	9.75
82	600	12,577	12,635	0.4843	0.04760	0.04646	68,638	3,189	66,994	629,789	9.18
83	600	11,798	12,174	0.5009	0.05006	0.04884	65,449	3,196	63,854	562,795	8.60
84	699	10,629	11,369	0.5081	0.06355	0.06162	62,253	3,836	60,366	498,941	8.01
85	771	10,150	10,204	0.5108	0.07576	0.07305	58,417	4,267	56,329	438,575	7.51
86	799	9,193	9,595	0.4891	0.08505	0.08151	54,149	4,414	51,894	382,246	7.06
87	835	8,321	8,719	0.5173	0.09800	0.09358	49,735	4,654	47,489	330,352	6.64
88	824	7,219	7,721	0.5044	0.11031	0.10459	45,081	4,715	42,744	282,863	6.27
89	785	5,952	6,668	0.4921	0.12441	0.11701	40,366	4,723	37,967	240,119	5.95
90	4,129	21,929	24,907		0.17632	1.00000	35,643	35,643	202,152	202,152	5.67

- (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 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*