

Portuguese Life Table  
2013-2015

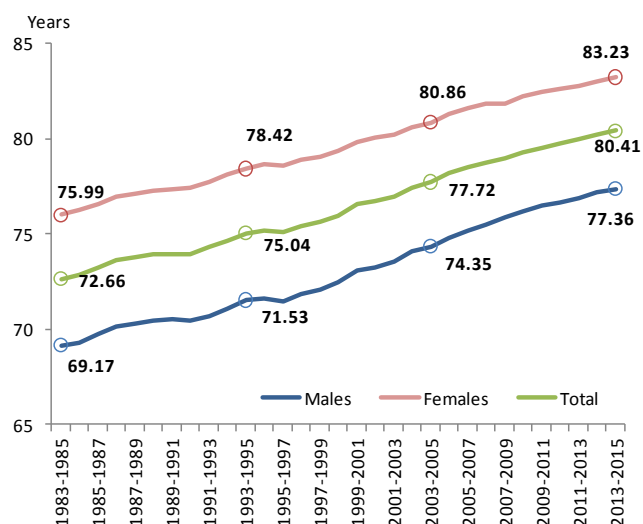
**Complete Life Tables Portugal 2013-2015**

Statistics Portugal releases the 2013-2015 Complete Life Tables for Portugal, including life expectancy indicators.

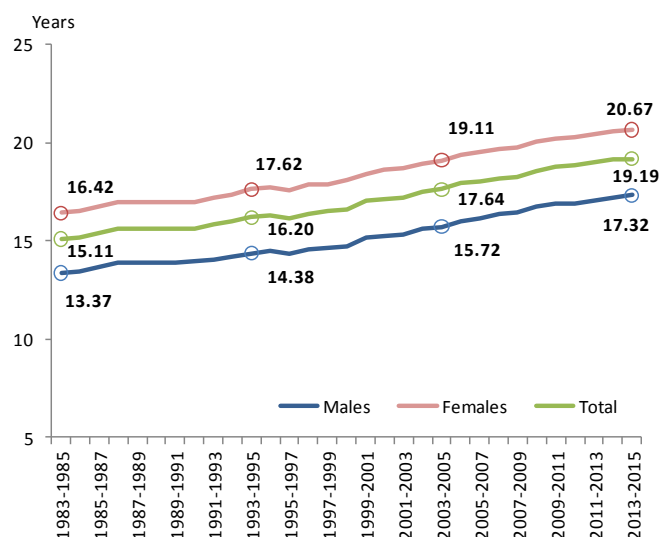
Statistics Portugal releases the 2013-2015 complete life tables, providing the final official values of life expectancy for 2013-2015.

Life expectancy at birth for both males and females was 80.41 years. Men and women could expect on average to live up to 77.36 years and 83.23 years of age respectively.

**Life expectancy at birth, Portugal, 1983-1985 to 2013-2015**



**Life expectancy at age 65, Portugal, 1983-1985 to 2013-2015**



Life expectancy at birth in Portugal has increased by 2.69 years in the last decade, an increase of 3.01 years for males and 2.37 years for females when compared with the values for 2003–2005 (74.35 and 80.86 years for men and women respectively).

Women continue to live longer than men, but the gap has been gradually narrowing, from 6.51 years in 2003-2005 to 5.87 years in 2013-2015.

Life expectancy at age 65 – the number of years someone reaching 65 in 2013-2015 could still expect to live – attained 19.19 years. If mortality rates remained the same as they were in 2013-2015, a man aged 65 years old could expect to live another 17.32 years, and a woman aged 65 another 20.67 years. Over the last ten years life expectancy at age 65 has risen by 1.60 years for males and by 1.56 years for females.

### Complete Life Table for Portugal 2013 - 2015 (Both sexes)

Age (x)	Probability of dying (qx)	Survivors at exact age x (lx)	Deaths between exact ages x and (x+1) (dx)	Person-years lived between exact ages x and (x+1) (Lx)	Person-years lived above age x (Tx)	Life expectancy (ex)
1	2	3	4	5	6	7
0	0.002961	100 000	296	99 818	8 041 446	80.41
1	0.000220	99 704	22	99 693	7 941 629	79.65
2	0.000151	99 682	15	99 674	7 841 936	78.67
3	0.000149	99 667	15	99 659	7 742 261	77.68
4	0.000087	99 652	9	99 648	7 642 602	76.69
5	0.000128	99 643	13	99 637	7 542 954	75.70
6	0.000091	99 631	9	99 626	7 443 317	74.71
7	0.000085	99 622	9	99 617	7 343 691	73.72
8	0.000078	99 613	8	99 609	7 244 074	72.72
9	0.000077	99 605	8	99 602	7 144 464	71.73
10	0.000076	99 598	8	99 594	7 044 863	70.73
11	0.000112	99 590	11	99 585	6 945 269	69.74
12	0.000084	99 579	8	99 575	6 845 684	68.75
13	0.000076	99 571	8	99 567	6 746 109	67.75
14	0.000121	99 563	12	99 557	6 646 543	66.76
15	0.000169	99 551	17	99 543	6 546 986	65.77
16	0.000212	99 534	21	99 524	6 447 443	64.78
17	0.000186	99 513	19	99 504	6 347 920	63.79
18	0.000303	99 494	30	99 479	6 248 416	62.80
19	0.000315	99 464	31	99 449	6 148 937	61.82
20	0.000315	99 433	31	99 417	6 049 488	60.84
21	0.000376	99 402	37	99 383	5 950 071	59.86
22	0.000325	99 364	32	99 348	5 850 688	58.88
23	0.000345	99 332	34	99 315	5 751 340	57.90
24	0.000330	99 298	33	99 281	5 652 025	56.92
25	0.000384	99 265	38	99 246	5 552 744	55.94
26	0.000399	99 227	40	99 207	5 453 498	54.96
27	0.000436	99 187	43	99 166	5 354 291	53.98
28	0.000457	99 144	45	99 121	5 255 126	53.01
29	0.000542	99 099	54	99 072	5 156 004	52.03
30	0.000487	99 045	48	99 021	5 056 933	51.06
31	0.000462	98 997	46	98 974	4 957 912	50.08
32	0.000540	98 951	53	98 924	4 858 938	49.10
33	0.000562	98 897	56	98 870	4 760 014	48.13
34	0.000621	98 842	61	98 811	4 661 144	47.16
35	0.000773	98 780	76	98 742	4 562 333	46.19
36	0.000732	98 704	72	98 668	4 463 591	45.22
37	0.000800	98 632	79	98 592	4 364 923	44.25
38	0.000966	98 553	95	98 505	4 266 331	43.29
39	0.001055	98 458	104	98 406	4 167 825	42.33
40	0.001040	98 354	102	98 303	4 069 420	41.38
41	0.001433	98 252	141	98 181	3 971 117	40.42
42	0.001513	98 111	148	98 036	3 872 936	39.48
43	0.001685	97 962	165	97 880	3 774 899	38.53
44	0.001824	97 797	178	97 708	3 677 020	37.60
45	0.002001	97 619	195	97 521	3 579 312	36.67
46	0.002387	97 424	233	97 307	3 481 790	35.74
47	0.002538	97 191	247	97 068	3 384 483	34.82
48	0.002565	96 944	249	96 820	3 287 416	33.91
49	0.002932	96 696	284	96 554	3 190 596	33.00

(continues)

### Complete Life Table for Portugal 2013 - 2015 (Both sexes)

Age (x)	Probability of dying (qx)	Survivors at exact age x (lx)	Deaths between exact ages x and (x+1) (dx)	Person-years lived between exact ages x and (x+1) (Lx)	Person-years lived above age x (Tx)	Life expectancy (ex)
1	2	3	4	5	6	7
50	0.003259	96 412	314	96 255	3 094 042	32.09
51	0.003452	96 098	332	95 932	2 997 787	31.20
52	0.004112	95 766	394	95 569	2 901 855	30.30
53	0.004152	95 372	396	95 174	2 806 286	29.42
54	0.004391	94 976	417	94 768	2 711 111	28.55
55	0.004894	94 559	463	94 328	2 616 343	27.67
56	0.005272	94 097	496	93 849	2 522 015	26.80
57	0.005435	93 601	509	93 346	2 428 167	25.94
58	0.005919	93 092	551	92 816	2 334 820	25.08
59	0.006052	92 541	560	92 261	2 242 004	24.23
60	0.006747	91 981	621	91 670	2 149 743	23.37
61	0.007384	91 360	675	91 023	2 058 073	22.53
62	0.007645	90 686	693	90 339	1 967 050	21.69
63	0.007928	89 992	713	89 636	1 876 711	20.85
64	0.008835	89 279	789	88 884	1 787 076	20.02
65	0.009592	88 490	849	88 066	1 698 191	19.19
66	0.010313	87 641	904	87 189	1 610 126	18.37
67	0.010999	86 737	954	86 260	1 522 936	17.56
68	0.012913	85 783	1108	85 229	1 436 676	16.75
69	0.013917	84 676	1178	84 086	1 351 447	15.96
70	0.015419	83 497	1287	82 853	1 267 360	15.18
71	0.016455	82 210	1353	81 533	1 184 507	14.41
72	0.017784	80 857	1438	80 138	1 102 973	13.64
73	0.019552	79 419	1553	78 643	1 022 835	12.88
74	0.022641	77 866	1763	76 985	944 193	12.13
75	0.025876	76 103	1969	75 119	867 208	11.40
76	0.028275	74 134	2096	73 086	792 090	10.68
77	0.031882	72 038	2297	70 889	719 004	9.98
78	0.035443	69 741	2472	68 505	648 114	9.29
79	0.039784	67 269	2676	65 931	579 609	8.62
80	0.045929	64 593	2967	63 110	513 678	7.95
81	0.052058	61 626	3208	60 022	450 568	7.31
82	0.059614	58 418	3483	56 677	390 546	6.69
83	0.071349	54 936	3920	52 976	333 869	6.08
84	0.086843	51 016	4430	48 801	280 894	5.51
85	0.106514	46 586	4962	44 105	232 093	4.98
86	0.125364	41 624	5218	39 015	187 988	4.52
87	0.146137	36 405	5320	33 745	148 974	4.09
88	0.168139	31 085	5227	28 472	115 228	3.71
89	0.192019	25 859	4965	23 376	86 756	3.36
90	0.220190	20 893	4601	18 593	63 380	3.03
91	0.247927	16 293	4039	14 273	44 787	2.75
92	0.277808	12 253	3404	10 551	30 514	2.49
93	0.309787	8 849	2741	7 479	19 963	2.26
94	0.343778	6 108	2100	5 058	12 484	2.04
95	0.379657	4 008	1522	3 247	7 426	1.85
96	0.417254	2 486	1037	1 968	4 179	1.68
97	0.456359	1 449	661	1 118	2 211	1.53
98	0.496718	788	391	592	1 093	1.39
99	0.538035	396	213	290	501	1.26
100	0.579973	183	106	130	211	1.15

### Complete Life Table for Portugal 2013 - 2015 (Males)

Age (x)	Probability of dying (qx)	Survivors at exact age x (lx)	Deaths between exact ages x and (x+1) (dx)	Person-years lived between exact ages x and (x+1) (Lx)	Person-years lived above age x (Tx)	Life expectancy (ex)
1	2	3	4	5	6	7
0	0.003521	100 000	352	99 785	7 735 587	77.36
1	0.000226	99 648	23	99 637	7 635 802	76.63
2	0.000158	99 625	16	99 618	7 536 165	75.65
3	0.000161	99 610	16	99 602	7 436 548	74.66
4	0.000101	99 594	10	99 589	7 336 946	73.67
5	0.000170	99 584	17	99 575	7 237 357	72.68
6	0.000089	99 567	9	99 562	7 137 782	71.69
7	0.000079	99 558	8	99 554	7 038 220	70.69
8	0.000095	99 550	9	99 545	6 938 666	69.70
9	0.000047	99 541	5	99 538	6 839 120	68.71
10	0.000093	99 536	9	99 531	6 739 582	67.71
11	0.000128	99 527	13	99 520	6 640 050	66.72
12	0.000100	99 514	10	99 509	6 540 530	65.72
13	0.000087	99 504	9	99 500	6 441 021	64.73
14	0.000161	99 495	16	99 487	6 341 521	63.74
15	0.000218	99 479	22	99 469	6 242 034	62.75
16	0.000275	99 458	27	99 444	6 142 565	61.76
17	0.000223	99 430	22	99 419	6 043 121	60.78
18	0.000412	99 408	41	99 388	5 943 702	59.79
19	0.000454	99 367	45	99 345	5 844 314	58.82
20	0.000415	99 322	41	99 302	5 744 969	57.84
21	0.000569	99 281	57	99 253	5 645 667	56.87
22	0.000512	99 225	51	99 199	5 546 414	55.90
23	0.000492	99 174	49	99 149	5 447 215	54.93
24	0.000488	99 125	48	99 101	5 348 066	53.95
25	0.000585	99 077	58	99 048	5 248 965	52.98
26	0.000601	99 019	60	98 989	5 149 917	52.01
27	0.000627	98 959	62	98 928	5 050 929	51.04
28	0.000694	98 897	69	98 863	4 952 000	50.07
29	0.000706	98 828	70	98 794	4 853 138	49.11
30	0.000639	98 759	63	98 727	4 754 344	48.14
31	0.000667	98 696	66	98 663	4 655 617	47.17
32	0.000772	98 630	76	98 592	4 556 954	46.20
33	0.000795	98 554	78	98 514	4 458 363	45.24
34	0.000877	98 475	86	98 432	4 359 848	44.27
35	0.001053	98 389	104	98 337	4 261 416	43.31
36	0.000972	98 285	96	98 238	4 163 079	42.36
37	0.001072	98 190	105	98 137	4 064 842	41.40
38	0.001335	98 085	131	98 019	3 966 705	40.44
39	0.001525	97 954	149	97 879	3 868 686	39.50
40	0.001466	97 804	143	97 732	3 770 807	38.55
41	0.002027	97 661	198	97 562	3 673 074	37.61
42	0.002108	97 463	205	97 360	3 575 512	36.69
43	0.002411	97 257	234	97 140	3 478 152	35.76
44	0.002619	97 023	254	96 896	3 381 012	34.85
45	0.002647	96 769	256	96 641	3 284 116	33.94
46	0.003495	96 513	337	96 344	3 187 475	33.03
47	0.003645	96 175	351	96 000	3 091 131	32.14
48	0.003660	95 825	351	95 649	2 995 131	31.26
49	0.004253	95 474	406	95 271	2 899 482	30.37

(continues)

### Complete Life Table for Portugal 2013 - 2015 (Males)

Age (x)	Probability of dying (qx)	Survivors at exact age x (lx)	Deaths between exact ages x and (x+1) (dx)	Person-years lived between exact ages x and (x+1) (Lx)	Person-years lived above age x (Tx)	Life expectancy (ex)
1	2	3	4	5	6	7
50	0.004769	95 068	453	94 841	2 804 211	29.50
51	0.005097	94 615	482	94 374	2 709 370	28.64
52	0.006209	94 132	584	93 840	2 614 996	27.78
53	0.005921	93 548	554	93 271	2 521 156	26.95
54	0.006484	92 994	603	92 693	2 427 885	26.11
55	0.007164	92 391	662	92 060	2 335 192	25.28
56	0.007817	91 729	717	91 371	2 243 132	24.45
57	0.008249	91 012	751	90 637	2 151 761	23.64
58	0.00869	90 261	784	89 869	2 061 125	22.84
59	0.009201	89 477	823	89 065	1 971 255	22.03
60	0.009870	88 654	875	88 216	1 882 190	21.23
61	0.010960	87 779	962	87 298	1 793 974	20.44
62	0.01205	86 817	973	86 330	1 706 676	19.66
63	0.012763	85 844	1010	85 339	1 620 346	18.88
64	0.012734	84 834	1080	84 294	1 535 007	18.09
65	0.013778	83 754	1154	83 177	1 450 713	17.32
66	0.014727	82 600	1216	81 992	1 367 536	16.56
67	0.015454	81 383	1258	80 755	1 285 544	15.80
68	0.016366	80 126	1472	79 390	1 204 790	15.04
69	0.019851	78 654	1561	77 873	1 125 400	14.31
70	0.022509	77 093	1735	76 225	1 047 527	13.59
71	0.023170	75 357	1746	74 484	971 301	12.89
72	0.024850	73 611	1829	72 697	896 817	12.18
73	0.027045	71 782	1941	70 811	824 120	11.48
74	0.031244	69 841	2182	68 750	753 309	10.79
75	0.035662	67 659	2413	66 452	684 559	10.12
76	0.037904	65 246	2473	64 009	618 107	9.47
77	0.043303	62 773	2718	61 414	554 097	8.83
78	0.047115	60 055	2829	58 640	492 684	8.20
79	0.052251	57 225	2990	55 730	434 044	7.58
80	0.059702	54 235	3238	52 616	378 314	6.98
81	0.066919	50 997	3413	49 291	325 698	6.39
82	0.075922	47 584	3613	45 778	276 407	5.81
83	0.091315	43 972	4015	41 964	230 629	5.24
84	0.111575	39 956	4458	37 727	188 665	4.72
85	0.137415	35 498	4878	33 059	150 938	4.25
86	0.160298	30 620	4908	28 166	117 878	3.85
87	0.184797	25 712	4751	23 336	89 712	3.49
88	0.209710	20 960	4396	18 763	66 376	3.17
89	0.236074	16 565	3911	14 610	47 613	2.87
90	0.266842	12 654	3377	10 966	33 004	2.61
91	0.295962	9 278	2746	7 905	22 038	2.38
92	0.326875	6 532	2135	5 464	14 133	2.16
93	0.359493	4 397	1581	3 606	8 669	1.97
94	0.393699	2 816	1109	2 262	5 062	1.80
95	0.429341	1707	733	1341	2 801	1.64
96	0.466234	974	454	747	1460	1.50
97	0.504162	520	262	389	713	1.37
98	0.542875	258	140	188	324	1.25
99	0.582095	118	69	84	136	1.15
100	0.621515	49	31	34	52	1.06

### Complete Life Table for Portugal 2013 - 2015 (Females)

Age (x)	Probability of dying (qx)	Survivors at exact age x (lx)	Deaths between exact ages x and (x+1) (dx)	Person-years lived between exact ages x and (x+1) (Lx)	Person-years lived above age x (Tx)	Life expectancy (ex)
1	2	3	4	5	6	7
0	0.002360	100 000	236	99 853	8 322 954	83.23
1	0.000214	99 764	21	99 753	8 223 102	82.43
2	0.000144	99 743	14	99 735	8 123 348	81.44
3	0.000136	99 728	14	99 721	8 023 613	80.45
4	0.000073	99 715	7	99 711	7 923 891	79.47
5	0.000084	99 707	8	99 703	7 824 180	78.47
6	0.000093	99 699	9	99 694	7 724 477	77.48
7	0.000092	99 690	9	99 685	7 624 783	76.49
8	0.00006	99 681	6	99 678	7 525 097	75.49
9	0.000108	99 675	11	99 669	7 425 420	74.50
10	0.000059	99 664	6	99 661	7 325 751	73.50
11	0.000096	99 658	10	99 653	7 226 090	72.51
12	0.000067	99 648	7	99 645	7 126 436	71.52
13	0.000064	99 642	6	99 638	7 026 791	70.52
14	0.000080	99 635	8	99 631	6 927 153	69.53
15	0.00018	99 627	12	99 621	6 827 522	68.53
16	0.000147	99 616	15	99 608	6 727 900	67.54
17	0.000149	99 601	15	99 593	6 628 292	66.55
18	0.000189	99 586	19	99 577	6 528 699	65.56
19	0.000171	99 567	17	99 559	6 429 122	64.57
20	0.000213	99 550	21	99 540	6 329 563	63.58
21	0.000181	99 529	18	99 520	6 230 023	62.60
22	0.000134	99 511	13	99 504	6 130 503	61.61
23	0.000196	99 498	20	99 488	6 030 999	60.61
24	0.000171	99 478	17	99 470	5 931 511	59.63
25	0.000179	99 461	18	99 452	5 832 041	58.64
26	0.000195	99 443	19	99 434	5 732 589	57.65
27	0.000246	99 424	24	99 412	5 633 155	56.66
28	0.000223	99 399	22	99 388	5 533 744	55.67
29	0.000382	99 377	38	99 358	5 434 355	54.68
30	0.000340	99 339	34	99 322	5 334 997	53.70
31	0.000267	99 306	26	99 292	5 235 674	52.72
32	0.000321	99 279	32	99 263	5 136 382	51.74
33	0.000345	99 247	34	99 230	5 037 119	50.75
34	0.000383	99 213	38	99 194	4 937 889	49.77
35	0.000513	99 175	51	99 150	4 838 695	48.79
36	0.000509	99 124	50	99 099	4 739 545	47.81
37	0.000547	99 074	54	99 047	4 640 446	46.84
38	0.000621	99 020	61	98 989	4 541 399	45.86
39	0.000617	98 958	61	98 928	4 442 411	44.89
40	0.000646	98 897	64	98 865	4 343 483	43.92
41	0.000882	98 833	87	98 790	4 244 618	42.95
42	0.000962	98 746	95	98 698	4 145 828	41.98
43	0.001008	98 651	99	98 601	4 047 130	41.02
44	0.001080	98 552	106	98 498	3 948 528	40.07
45	0.001396	98 445	137	98 376	3 850 030	39.11
46	0.001360	98 308	134	98 241	3 751 654	38.16
47	0.001520	98 174	149	98 099	3 653 413	37.21
48	0.001556	98 025	153	97 949	3 555 313	36.27
49	0.001720	97 872	168	97 788	3 457 365	35.33

(continues)

### Complete Life Table for Portugal 2013 - 2015 (Females)

Idade (x)	Probability of dying (qx)	Survivors at exact age x (lx)	Deaths between exact ages x and (x+1) (dx)	Person-years lived between exact ages x and (x+1) (Lx)	Person-years lived above age x (Tx)	Life expectancy (ex)
1	2	3	4	5	6	7
50	0.001878	97 704	184	97 612	3 359 577	34.39
51	0.001948	97 520	190	97 425	3 261 965	33.45
52	0.002196	97 330	214	97 224	3 164 539	32.51
53	0.002523	97 117	245	96 994	3 067 316	31.58
54	0.002462	96 872	239	96 752	2 970 321	30.66
55	0.002826	96 633	273	96 497	2 873 569	29.74
56	0.002962	96 360	285	96 217	2 777 073	28.82
57	0.002883	96 075	277	95 936	2 680 855	27.90
58	0.003432	95 798	329	95 633	2 584 919	26.98
59	0.003238	95 469	309	95 314	2 489 286	26.07
60	0.003965	95 160	377	94 971	2 393 972	25.16
61	0.004245	94 782	402	94 581	2 299 000	24.26
62	0.004500	94 380	425	94 168	2 204 419	23.36
63	0.004506	93 955	423	93 744	2 110 251	22.46
64	0.005367	93 532	502	93 281	2 016 508	21.56
65	0.005942	93 030	553	92 754	1 923 227	20.67
66	0.006573	92 477	608	92 173	1 830 473	19.79
67	0.007287	91 869	669	91 535	1 738 300	18.92
68	0.008452	91 200	771	90 814	1 646 765	18.06
69	0.009131	90 429	826	90 016	1 555 951	17.21
70	0.009710	89 603	870	89 168	1 465 934	16.36
71	0.011092	88 733	984	88 241	1 376 766	15.52
72	0.012203	87 749	1071	87 214	1 288 525	14.68
73	0.013684	86 678	1186	86 085	1 201 311	13.86
74	0.016040	85 492	1371	84 807	1 115 226	13.04
75	0.018469	84 121	1554	83 344	1 030 419	12.25
76	0.021154	82 567	1747	81 694	947 075	11.47
77	0.023653	80 821	1912	79 865	865 381	10.71
78	0.027229	78 909	2149	77 835	785 516	9.95
79	0.031257	76 760	2399	75 561	707 682	9.22
80	0.036688	74 361	2728	72 997	632 121	8.50
81	0.042346	71 633	3033	70 116	559 124	7.81
82	0.049285	68 599	3381	66 909	489 008	7.13
83	0.060334	65 219	3935	63 251	422 099	6.47
84	0.075197	61 284	4608	58 979	358 848	5.86
85	0.094385	56 675	5349	54 001	299 868	5.29
86	0.112578	51 326	5778	48 437	245 868	4.79
87	0.132698	45 548	6044	42 526	197 431	4.33
88	0.153992	39 504	6083	36 462	154 905	3.92
89	0.177184	33 420	5922	30 460	118 443	3.54
90	0.204796	27 499	5632	24 683	87 983	3.20
91	0.231907	21 867	5071	19 332	63 300	2.89
92	0.261278	16 796	4388	14 602	43 968	2.62
93	0.292879	12 408	3634	10 591	29 367	2.37
94	0.326640	8 774	2866	7 341	18 776	2.14
95	0.362448	5 908	2141	4 837	11 435	1.94
96	0.400147	3 767	1507	3 013	6 598	1.75
97	0.439531	2 259	993	1 763	3 585	1.59
98	0.480347	1 266	608	962	1 822	1.44
99	0.522297	658	344	486	860	1.31
100	0.565036	314	178	226	374	1.19



**Technical note:**

The national Complete Life Tables are a statistical study, held annually, for Portugal. Each table is based on death registration data for a period of three consecutive years. The objective of the life table is to provide its functions, including life expectancy, mortality rates, survivors in 100 000 live births, deaths between exact ages  $x$  and  $(x + 1)$ , person-years lived between exact ages  $x$  and  $(x + 1)$  and person-years lived above age  $x$ .

The calculation of age-specific mortality rates is based on the number of deaths for a period of three consecutive years and the respective population exposed-to-risk of death. At advanced ages (over 85 years), due to the irregularity detected in the crude estimates of mortality rates, the Denuit and Goderniaux method (*Denuit, M. and Goderniaux, A. (2005). Closing and projecting lifetables using log-linear models. Bulletin de l' Association Suisse des Actuaries, 1, 29-49.*) is applied for extrapolation of the probabilities of dying and closing of the life table.

More detailed information on the methodology of the national Complete Life Table (only on Portuguese) can be found at: <http://smi.ine.pt/DocumentacaoMetodologica/Detalhes/1239>.