

Life Expectancy in Germany Based on the 2011 Census: Was the Healthy Migrant Effect Merely an Artefact?*

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Online Appendix: Data files

* This online Appendix contains data files for the article: DOI 10.12765/CPoS-2016-05en, URL: <http://www.comparativepopulationstudies.de/index.php/CPoS/article/view/198/225>.

Life table 2010/2012

Germany - German population

Male

Completed age in years	Probability of		Number of survivors at exact age x	Number of deaths between ages x and x+1	Number of person-years		Average life expectancy at exact age x in years
	death	survival			lived between ages x and x+1	remaining after exact age x	
	between ages x and x+1				years		
x	q _x	p _x	l _x	d _x	L _x	T _x	e _x
0	0.00360479	0.99639521	100000	360	99686	7758118	77.6
1	0.00027992	0.99972008	99640	28	99626	7658433	76.9
2	0.00018690	0.99981310	99612	19	99602	7558807	75.9
3	0.00014022	0.99985978	99593	14	99586	7459205	74.9
4	0.00011564	0.99988436	99579	12	99573	7359619	73.9
5	0.00010257	0.99989743	99568	10	99562	7260045	72.9
6	0.00009574	0.99990426	99557	10	99553	7160483	71.9
7	0.00009201	0.99990799	99548	9	99543	7060930	70.9
8	0.00008977	0.99991023	99539	9	99534	6961387	69.9
9	0.00008915	0.99991085	99530	9	99525	6861853	68.9
10	0.00009057	0.99990943	99521	9	99516	6762328	67.9
11	0.00009457	0.99990543	99512	9	99507	6662811	67.0
12	0.00010199	0.99989801	99502	10	99497	6563304	66.0
13	0.00011420	0.99988580	99492	11	99487	6463807	65.0
14	0.00013473	0.99986527	99481	13	99474	6364320	64.0
15	0.00017201	0.99982799	99467	17	99459	6264846	63.0
16	0.00024425	0.99975575	99450	24	99438	6165387	62.0
17	0.00036731	0.99963269	99426	37	99408	6065949	61.0
18	0.00045127	0.99954873	99390	45	99367	5966541	60.0
19	0.00051430	0.99948570	99345	51	99319	5867174	59.1
20	0.00055300	0.99944700	99294	55	99266	5767855	58.1
21	0.00057059	0.99942941	99239	57	99210	5668589	57.1
22	0.00057459	0.99942541	99182	57	99154	5569378	56.2
23	0.00057435	0.99942565	99125	57	99097	5470225	55.2
24	0.00057830	0.99942170	99068	57	99040	5371128	54.2
25	0.00058794	0.99941206	99011	58	98982	5272089	53.2
26	0.00060241	0.99939759	98953	60	98923	5173107	52.3
27	0.00062090	0.99937910	98893	61	98862	5074184	51.3
28	0.00064255	0.99935745	98832	64	98800	4975322	50.3
29	0.00066640	0.99933360	98768	66	98735	4876522	49.4
30	0.00069154	0.99930846	98702	68	98668	4777787	48.4
31	0.00071838	0.99928162	98634	71	98599	4679118	47.4
32	0.00074816	0.99925184	98563	74	98526	4580520	46.5
33	0.00078232	0.99921768	98489	77	98451	4481993	45.5
34	0.00082255	0.99917745	98412	81	98372	4383543	44.5
35	0.00087090	0.99912910	98331	86	98289	4285171	43.6
36	0.00092982	0.99907018	98246	91	98200	4186882	42.6
37	0.00100114	0.99899886	98154	98	98105	4088682	41.7
38	0.00108629	0.99891371	98056	107	98003	3990576	40.7
39	0.00118700	0.99881300	97950	116	97892	3892573	39.7
40	0.00130526	0.99869474	97833	128	97770	3794682	38.8
41	0.00144335	0.99855665	97706	141	97635	3696912	37.8
42	0.00160387	0.99839613	97565	156	97486	3599277	36.9
43	0.00178965	0.99821035	97408	174	97321	3501791	35.9
44	0.00200372	0.99799628	97234	195	97136	3404470	35.0
45	0.00224932	0.99775068	97039	218	96930	3307333	34.1
46	0.00252977	0.99747023	96821	245	96698	3210403	33.2
47	0.00284836	0.99715164	96576	275	96438	3113705	32.2
48	0.00320822	0.99679178	96301	309	96146	3017267	31.3
49	0.00361166	0.99638834	95992	347	95818	2921120	30.4

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Life table 2010/2012

Germany - German population

Male

Completed age in years	Probability of death survival between ages x and x+1		Number of survivors at exact age x	Number of deaths between ages x and x+1	Number of person-years lived between ages x and x+1 remaining after exact age x		Average life expectancy at exact age x in years
	q _x	p _x			years		
x	q _x	p _x	l _x	d _x	L _x	T _x	e _x
50	0.00405962	0.99594038	95645	388	95451	2825302	29.5
51	0.00455155	0.99544845	95257	434	95040	2729851	28.7
52	0.00508497	0.99491503	94823	482	94582	2634811	27.8
53	0.00565506	0.99434494	94341	534	94074	2540228	26.9
54	0.00625422	0.99374578	93808	587	93514	2446154	26.1
55	0.00687729	0.99312271	93221	641	92900	2352640	25.2
56	0.00752657	0.99247343	92580	697	92231	2259739	24.4
57	0.00820688	0.99179312	91883	754	91506	2167508	23.6
58	0.00892535	0.99107465	91129	813	90722	2076002	22.8
59	0.00969176	0.99030824	90316	875	89878	1985280	22.0
60	0.01051892	0.98948108	89440	941	88970	1895402	21.2
61	0.01141752	0.98858248	88499	1010	87994	1806432	20.4
62	0.01238863	0.98761137	87489	1084	86947	1718438	19.6
63	0.01343062	0.98656938	86405	1160	85825	1631491	18.9
64	0.01453992	0.98546008	85245	1239	84625	1545666	18.1
65	0.01571062	0.98428938	84005	1320	83345	1461041	17.4
66	0.01693418	0.98306582	82685	1400	81985	1377696	16.7
67	0.01821068	0.98178932	81285	1480	80545	1295710	15.9
68	0.01957272	0.98042728	79805	1562	79024	1215165	15.2
69	0.02106804	0.97893196	78243	1648	77419	1136141	14.5
70	0.02275742	0.97724258	76595	1743	75723	1058723	13.8
71	0.02471832	0.97528168	74851	1850	73926	983000	13.1
72	0.02705031	0.97294969	73001	1975	72014	909073	12.5
73	0.02986112	0.97013888	71027	2121	69966	837059	11.8
74	0.03320251	0.96679749	68906	2288	67762	767093	11.1
75	0.03710712	0.96289288	66618	2472	65382	699332	10.5
76	0.04159677	0.95840323	64146	2668	62812	633950	9.9
77	0.04667457	0.95332543	61478	2869	60043	571138	9.3
78	0.05231595	0.94768405	58608	3066	57075	511095	8.7
79	0.05848072	0.94151928	55542	3248	53918	454020	8.2
80	0.06521000	0.93479000	52294	3410	50589	400103	7.7
81	0.07258971	0.92741029	48884	3548	47109	349514	7.1
82	0.08072716	0.91927284	45335	3660	43505	302404	6.7
83	0.08975478	0.91024522	41675	3741	39805	258899	6.2
84	0.09983436	0.90016564	37935	3787	36041	219094	5.8
85	0.11114767	0.88885233	34148	3795	32250	183052	5.4
86	0.12380249	0.87619751	30352	3758	28473	150802	5.0
87	0.13785298	0.86214702	26595	3666	24762	122329	4.6
88	0.15332607	0.84667393	22928	3516	21171	97568	4.3
89	0.17021393	0.82978607	19413	3304	17761	76397	3.9
90	0.18846696	0.81153304	16109	3036	14591	58636	3.6
91	0.20798409	0.79201591	13073	2719	11713	44046	3.4
92	0.22857104	0.77142896	10354	2367	9170	32332	3.1
93	0.24994580	0.75005420	7987	1996	6989	23162	2.9
94	0.27176250	0.72823750	5991	1628	5177	16173	2.7
95	0.29362205	0.70637795	4363	1281	3722	10996	2.5
96	0.31508684	0.68491316	3082	971	2596	7274	2.4
97	0.33571843	0.66428157	2111	709	1756	4678	2.2
98	0.35695521	0.64304479	1402	500	1152	2921	2.1
99	0.37889781	0.62110219	902	342	731	1769	2.0
100+	1.00000000	0.00000000	560	560	1039	1039	1.9

Source: Federal Statistical Office - own calculations: zur Nieden/Sommer (2016)

Life table 2010/2012

Germany - German population

Female

Completed age in years	Probability of death survival between ages x and x+1		Number of survivors at exact age x	Number of deaths between ages x and x+1	Number of person-years lived between ages x and x+1 remaining after exact age x		Average life expectancy at exact age x in years
	q _x	p _x			years		
x	q _x	p _x	l _x	d _x	L _x	T _x	e _x
0	0.00301123	0.99698877	100000	301	99737	8272497	82.7
1	0.00023189	0.99976811	99699	23	99687	8172761	82.0
2	0.00016851	0.99983149	99676	17	99667	8073073	81.0
3	0.00013007	0.99986993	99659	13	99652	7973406	80.0
4	0.00010597	0.99989403	99646	11	99641	7873754	79.0
5	0.00009054	0.99990946	99635	9	99631	7774113	78.0
6	0.00008062	0.99991938	99626	8	99622	7674482	77.0
7	0.00007434	0.99992566	99618	7	99615	7574860	76.0
8	0.00007064	0.99992936	99611	7	99607	7475245	75.0
9	0.00006905	0.99993095	99604	7	99601	7375637	74.0
10	0.00006933	0.99993067	99597	7	99594	7276037	73.1
11	0.00007140	0.99992860	99590	7	99587	7176443	72.1
12	0.00007531	0.99992469	99583	7	99579	7076857	71.1
13	0.00008131	0.99991869	99576	8	99572	6977277	70.1
14	0.00009141	0.99990859	99567	9	99563	6877706	69.1
15	0.00011103	0.99988897	99558	11	99553	6778143	68.1
16	0.00014248	0.99985752	99547	14	99540	6678590	67.1
17	0.00017935	0.99982065	99533	18	99524	6579050	66.1
18	0.00020504	0.99979496	99515	20	99505	6479526	65.1
19	0.00021793	0.99978207	99495	22	99484	6380021	64.1
20	0.00022044	0.99977956	99473	22	99462	6280537	63.1
21	0.00021724	0.99978276	99451	22	99440	6181074	62.2
22	0.00021349	0.99978651	99430	21	99419	6081634	61.2
23	0.00021350	0.99978650	99408	21	99398	5982215	60.2
24	0.00021784	0.99978216	99387	22	99376	5882817	59.2
25	0.00022596	0.99977404	99366	22	99354	5783441	58.2
26	0.00023746	0.99976254	99343	24	99331	5684086	57.2
27	0.00025193	0.99974807	99320	25	99307	5584755	56.2
28	0.00026891	0.99973109	99294	27	99281	5485448	55.2
29	0.00028783	0.99971217	99268	29	99253	5386167	54.3
30	0.00030867	0.99969133	99239	31	99224	5286914	53.3
31	0.00033170	0.99966830	99209	33	99192	5187690	52.3
32	0.00035722	0.99964278	99176	35	99158	5088498	51.3
33	0.00038559	0.99961441	99140	38	99121	4989340	50.3
34	0.00041725	0.99958275	99102	41	99081	4890218	49.3
35	0.00045270	0.99954730	99061	45	99038	4791137	48.4
36	0.00049264	0.99950736	99016	49	98991	4692099	47.4
37	0.00053802	0.99946198	98967	53	98940	4593107	46.4
38	0.00058998	0.99941002	98914	58	98885	4494167	45.4
39	0.00064994	0.99935006	98855	64	98823	4395282	44.5
40	0.00071968	0.99928032	98791	71	98756	4296459	43.5
41	0.00080138	0.99919862	98720	79	98681	4197704	42.5
42	0.00089689	0.99910311	98641	88	98597	4099023	41.6
43	0.00100750	0.99899250	98553	99	98503	4000426	40.6
44	0.00113436	0.99886564	98453	112	98397	3901923	39.6
45	0.00127837	0.99872163	98342	126	98279	3803526	38.7
46	0.00143997	0.99856003	98216	141	98145	3705247	37.7
47	0.00161898	0.99838102	98074	159	97995	3607102	36.8
48	0.00181505	0.99818495	97916	178	97827	3509107	35.8
49	0.00202790	0.99797210	97738	198	97639	3411280	34.9

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Life table 2010/2012

Germany - German population

Female

Completed age in years	Probability of		Number of survivors at exact age x	Number of deaths between ages x and x+1	Number of person-years		Average life expectancy at exact age x in years
	death	survival			lived between ages x and x+1	remaining after exact age x	
	between ages x and x+1				years		
x	q _x	p _x	l _x	d _x	L _x	T _x	e _x
50	0.00225670	0.99774330	97540	220	97430	3313642	34.0
51	0.00249997	0.99750003	97320	243	97198	3216212	33.0
52	0.00275543	0.99724457	97076	267	96943	3119014	32.1
53	0.00301998	0.99698002	96809	292	96663	3022072	31.2
54	0.00329229	0.99670771	96516	318	96358	2925409	30.3
55	0.00357516	0.99642484	96199	344	96027	2829051	29.4
56	0.00387317	0.99612683	95855	371	95669	2733025	28.5
57	0.00419252	0.99580748	95483	400	95283	2637356	27.6
58	0.00454139	0.99545861	95083	432	94867	2542072	26.7
59	0.00493025	0.99506975	94651	467	94418	2447205	25.9
60	0.00536728	0.99463272	94185	506	93932	2352787	25.0
61	0.00585137	0.99414863	93679	548	93405	2258855	24.1
62	0.00637816	0.99362184	93131	594	92834	2165450	23.3
63	0.00694044	0.99305956	92537	642	92216	2072616	22.4
64	0.00752749	0.99247251	91895	692	91549	1980400	21.6
65	0.00812472	0.99187528	91203	741	90833	1888851	20.7
66	0.00872379	0.99127621	90462	789	90067	1798019	19.9
67	0.00934486	0.99065514	89673	838	89254	1707951	19.0
68	0.01002001	0.98997999	88835	890	88390	1618697	18.2
69	0.01079057	0.98920943	87945	949	87470	1530308	17.4
70	0.01170980	0.98829020	86996	1019	86486	1442837	16.6
71	0.01284766	0.98715234	85977	1105	85425	1356351	15.8
72	0.01428363	0.98571637	84872	1212	84266	1270926	15.0
73	0.01606477	0.98393523	83660	1344	82988	1186660	14.2
74	0.01823166	0.98176834	82316	1501	81566	1103672	13.4
75	0.02082510	0.97917490	80815	1683	79974	1022106	12.6
76	0.02388100	0.97611900	79132	1890	78188	942132	11.9
77	0.02742348	0.97257652	77243	2118	76184	863944	11.2
78	0.03146806	0.96853194	75124	2364	73942	787761	10.5
79	0.03607477	0.96392523	72760	2625	71448	713818	9.8
80	0.04133222	0.95866778	70136	2899	68686	642370	9.2
81	0.04734587	0.95265413	67237	3183	65645	573684	8.5
82	0.05424114	0.94575886	64053	3474	62316	508039	7.9
83	0.06216704	0.93783296	60579	3766	58696	445723	7.4
84	0.07129076	0.92870924	56813	4050	54788	387027	6.8
85	0.08173073	0.91826927	52763	4312	50607	332239	6.3
86	0.09355826	0.90644174	48450	4533	46184	281632	5.8
87	0.10680724	0.89319276	43917	4691	41572	235448	5.4
88	0.12146116	0.87853884	39227	4765	36845	193876	4.9
89	0.13744068	0.86255932	34462	4737	32094	157032	4.6
90	0.15460230	0.84539770	29726	4596	27428	124938	4.2
91	0.17282176	0.82717824	25130	4343	22959	97510	3.9
92	0.19199069	0.80800931	20787	3991	18792	74551	3.6
93	0.21197880	0.78802120	16796	3560	15016	55760	3.3
94	0.23263691	0.76736309	13236	3079	11696	40744	3.1
95	0.25380139	0.74619861	10157	2578	8868	29048	2.9
96	0.27530286	0.72469714	7579	2086	6536	20180	2.7
97	0.29702551	0.70297449	5492	1631	4677	13644	2.5
98	0.31891023	0.68108977	3861	1231	3245	8968	2.3
99	0.34091812	0.65908188	2630	897	2181	5722	2.2
100+	1.00000000	0.00000000	1733	1733	3541	3541	2.0

Source: Federal Statistical Office - own calculations: zur Nieden/Sommer (2016)

Life table 2010/2012

Germany - Non-German population

Male

Completed age in years	Probability of		Number of survivors at exact age x	Number of deaths between ages x and x+1	Number of person-years		Average life expectancy at exact age x in years
	death	survival			lived between ages x and x+1	remaining after exact age x	
	between ages x and x+1						
x	q _x	p _x	l _x	d _x	L _x	T _x	e _x
0	0.00677495	0.99322505	100000	677	99411	8054503	80.5
1	0.00042900	0.99957100	99323	43	99301	7955092	80.1
2	0.00033529	0.99966471	99280	33	99263	7855791	79.1
3	0.00026737	0.99973263	99247	27	99233	7756528	78.2
4	0.00021830	0.99978170	99220	22	99209	7657295	77.2
5	0.00018313	0.99981687	99198	18	99189	7558085	76.2
6	0.00015839	0.99984161	99180	16	99172	7458896	75.2
7	0.00014174	0.99985826	99165	14	99158	7359724	74.2
8	0.00013168	0.99986832	99150	13	99144	7260566	73.2
9	0.00012701	0.99987299	99137	13	99131	7161422	72.2
10	0.00012672	0.99987328	99125	13	99119	7062291	71.2
11	0.00013027	0.99986973	99112	13	99106	6963173	70.3
12	0.00013745	0.99986255	99099	14	99093	6864067	69.3
13	0.00014826	0.99985174	99086	15	99078	6764974	68.3
14	0.00016285	0.99983715	99071	16	99063	6665896	67.3
15	0.00018196	0.99981804	99055	18	99046	6566833	66.3
16	0.00021016	0.99978984	99037	21	99026	6467787	65.3
17	0.00035259	0.99964741	99016	35	98999	6368760	64.3
18	0.00039283	0.99960717	98981	39	98962	6269762	63.3
19	0.00041891	0.99958109	98942	41	98922	6170800	62.4
20	0.00043137	0.99956863	98901	43	98880	6071878	61.4
21	0.00043279	0.99956721	98858	43	98837	5972999	60.4
22	0.00042684	0.99957316	98815	42	98794	5874162	59.4
23	0.00041750	0.99958250	98773	41	98753	5775368	58.5
24	0.00040863	0.99959137	98732	40	98712	5676615	57.5
25	0.00040378	0.99959622	98692	40	98672	5577903	56.5
26	0.00040580	0.99959420	98652	40	98632	5479232	55.5
27	0.00041477	0.99958523	98612	41	98591	5380600	54.6
28	0.00043010	0.99956990	98571	42	98550	5282009	53.6
29	0.00045138	0.99954862	98528	44	98506	5183459	52.6
30	0.00047827	0.99952173	98484	47	98460	5084953	51.6
31	0.00051039	0.99948961	98437	50	98412	4986492	50.7
32	0.00054724	0.99945276	98387	54	98360	4888081	49.7
33	0.00058809	0.99941191	98333	58	98304	4789721	48.7
34	0.00063208	0.99936792	98275	62	98244	4691417	47.7
35	0.00067937	0.99932063	98213	67	98179	4593173	46.8
36	0.00073066	0.99926934	98146	72	98110	4494994	45.8
37	0.00078681	0.99921319	98074	77	98036	4396883	44.8
38	0.00084887	0.99915113	97997	83	97956	4298848	43.9
39	0.00091812	0.99908188	97914	90	97869	4200892	42.9
40	0.00099615	0.99900385	97824	97	97775	4103023	41.9
41	0.00108489	0.99891511	97727	106	97674	4005247	41.0
42	0.00118663	0.99881337	97621	116	97563	3907574	40.0
43	0.00130337	0.99869663	97505	127	97441	3810011	39.1
44	0.00143700	0.99856300	97378	140	97308	3712570	38.1
45	0.00158961	0.99841039	97238	155	97161	3615262	37.2
46	0.00176353	0.99823647	97083	171	96998	3518101	36.2
47	0.00196130	0.99803870	96912	190	96817	3421104	35.3
48	0.00218566	0.99781434	96722	211	96616	3324287	34.4
49	0.00243957	0.99756043	96511	235	96393	3227670	33.4

Life Expectancy in Germany Based on the 2011 Census • A9

Life table 2010/2012

Germany - Non-German population

Male

Completed age in years	Probability of death survival between ages x and x+1		Number of survivors at exact age x	Number of deaths between ages x and x+1	Number of person-years lived between ages x and x+1 remaining after exact age x years		Average life expectancy at exact age x in years
	q _x	p _x			L _x	T _x	
x	q _x	p _x	l _x	d _x	L _x	T _x	e _x
50	0.00272607	0.99727393	96275	262	96144	3131277	32.5
51	0.00304780	0.99695220	96013	293	95866	3035134	31.6
52	0.00340683	0.99659317	95720	326	95557	2939267	30.7
53	0.00380468	0.99619532	95394	363	95212	2843710	29.8
54	0.00424206	0.99575794	95031	403	94829	2748498	28.9
55	0.00471862	0.99528138	94628	447	94405	2653668	28.0
56	0.00523266	0.99476734	94181	493	93935	2559264	27.2
57	0.00578084	0.99421916	93689	542	93418	2465329	26.3
58	0.00635823	0.99364177	93147	592	92851	2371911	25.5
59	0.00696383	0.99303617	92555	645	92232	2279060	24.6
60	0.00760138	0.99239862	91910	699	91561	2186828	23.8
61	0.00827632	0.99172368	91212	755	90834	2095267	23.0
62	0.00899607	0.99100393	90457	814	90050	2004433	22.2
63	0.00977028	0.99022972	89643	876	89205	1914383	21.4
64	0.01061125	0.98938875	88767	942	88296	1825178	20.6
65	0.01153444	0.98846556	87825	1013	87319	1736882	19.8
66	0.01255881	0.98744119	86812	1090	86267	1649563	19.0
67	0.01369992	0.98630008	85722	1174	85135	1563296	18.2
68	0.01496833	0.98503167	84547	1266	83915	1478162	17.5
69	0.01637468	0.98362532	83282	1364	82600	1394247	16.7
70	0.01792982	0.98207018	81918	1469	81184	1311647	16.0
71	0.01964450	0.98035550	80449	1580	79659	1230463	15.3
72	0.02152916	0.97847084	78869	1698	78020	1150804	14.6
73	0.02359355	0.97640645	77171	1821	76261	1072784	13.9
74	0.02584682	0.97415318	75350	1948	74377	996523	13.2
75	0.02831069	0.97168931	73403	2078	72364	922147	12.6
76	0.03102707	0.96897293	71325	2213	70218	849783	11.9
77	0.03404883	0.96595117	69112	2353	67935	779565	11.3
78	0.03744148	0.96255852	66759	2500	65509	711630	10.7
79	0.04128610	0.95871390	64259	2653	62932	646121	10.1
80	0.04568312	0.95431688	61606	2814	60199	583189	9.5
81	0.05075715	0.94924285	58792	2984	57300	522990	8.9
82	0.05666176	0.94333824	55808	3162	54226	465690	8.3
83	0.06351970	0.93648030	52645	3344	50973	411464	7.8
84	0.07136574	0.92863426	49301	3518	47542	360490	7.3
85	0.08019373	0.91980627	45783	3672	43947	312948	6.8
86	0.08994746	0.91005254	42111	3788	40218	269001	6.4
87	0.10050647	0.89949353	38324	3852	36398	228784	6.0
88	0.11167414	0.88832586	34472	3850	32547	192386	5.6
89	0.12317039	0.87682961	30622	3772	28736	159839	5.2
90	0.13462988	0.86537012	26850	3615	25043	131103	4.9
91	0.14481605	0.85518395	23236	3365	21553	106059	4.6
92	0.15906183	0.84093817	19871	3161	18290	84506	4.3
93	0.17426210	0.82573790	16710	2912	15254	66216	4.0
94	0.19038368	0.80961632	13798	2627	12485	50962	3.7
95	0.20737340	0.79262660	11171	2317	10013	38477	3.4
96	0.22515717	0.77484283	8855	1994	7858	28464	3.2
97	0.24364002	0.75635998	6861	1672	6025	20607	3.0
98	0.26270719	0.73729281	5189	1363	4508	14582	2.8
99	0.28222622	0.71777378	3826	1080	3286	10074	2.6
100+	1.00000000	0.00000000	2746	2746	6788	6788	2.5

Source: Federal Statistical Office - own calculations: zur Nieden/Sommer (2016)

Life table 2010/2012

Germany - Non-German population

Female

Completed age in years	Probability of death survival between ages x and x+1		Number of survivors at exact age x	Number of deaths between ages x and x+1	Number of person-years lived between ages x and x+1 remaining after exact age x		Average life expectancy at exact age x in years
	q _x	p _x			years		
x	q _x	p _x	l _x	d _x	L _x	T _x	e _x
0	0.00540532	0.99459468	100000	541	99527	8477300	84.8
1	0.00037805	0.99962195	99459	38	99441	8377773	84.2
2	0.00031013	0.99968987	99422	31	99406	8278332	83.3
3	0.00025681	0.99974319	99391	26	99378	8178926	82.3
4	0.00021528	0.99978472	99366	21	99355	8079547	81.3
5	0.00018318	0.99981682	99344	18	99335	7980193	80.3
6	0.00015867	0.99984133	99326	16	99318	7880858	79.3
7	0.00014029	0.99985971	99310	14	99303	7781540	78.4
8	0.00012696	0.99987304	99296	13	99290	7682236	77.4
9	0.00011794	0.99988206	99284	12	99278	7582946	76.4
10	0.00011278	0.99988722	99272	11	99266	7483669	75.4
11	0.00011129	0.99988871	99261	11	99255	7384402	74.4
12	0.00011323	0.99988677	99250	11	99244	7285147	73.4
13	0.00011804	0.99988196	99238	12	99233	7185903	72.4
14	0.00012524	0.99987476	99227	12	99221	7086670	71.4
15	0.00013436	0.99986564	99214	13	99208	6987450	70.4
16	0.00014479	0.99985521	99201	14	99194	6888242	69.4
17	0.00015568	0.99984432	99187	15	99179	6789049	68.4
18	0.00016592	0.99983408	99171	16	99163	6689870	67.5
19	0.00017413	0.99982587	99155	17	99146	6590707	66.5
20	0.00017876	0.99982124	99137	18	99129	6491561	65.5
21	0.00017862	0.99982138	99120	18	99111	6392432	64.5
22	0.00017518	0.99982482	99102	17	99093	6293321	63.5
23	0.00017122	0.99982878	99085	17	99076	6194228	62.5
24	0.00016937	0.99983063	99068	17	99059	6095152	61.5
25	0.00017217	0.99982783	99051	17	99042	5996093	60.5
26	0.00018262	0.99981738	99034	18	99025	5897050	59.5
27	0.00018146	0.99981854	99016	18	99007	5798025	58.6
28	0.00018145	0.99981855	98998	18	98989	5699019	57.6
29	0.00018749	0.99981251	98980	19	98971	5600030	56.6
30	0.00019917	0.99980083	98961	20	98951	5501059	55.6
31	0.00021637	0.99978363	98942	21	98931	5402108	54.6
32	0.00023913	0.99976087	98920	24	98908	5303177	53.6
33	0.00026746	0.99973254	98897	26	98883	5204269	52.6
34	0.00030117	0.99969883	98870	30	98855	5105385	51.6
35	0.00033963	0.99966037	98840	34	98823	5006530	50.7
36	0.00038159	0.99961841	98807	38	98788	4907707	49.7
37	0.00042510	0.99957490	98769	42	98748	4808919	48.7
38	0.00046929	0.99953071	98727	46	98704	4710171	47.7
39	0.00051436	0.99948564	98681	51	98655	4611467	46.7
40	0.00056079	0.99943921	98630	55	98602	4512812	45.8
41	0.00060935	0.99939065	98575	60	98545	4414209	44.8
42	0.00066116	0.99933884	98515	65	98482	4315665	43.8
43	0.00071770	0.99928230	98449	71	98414	4217183	42.8
44	0.00078092	0.99921908	98379	77	98340	4118769	41.9
45	0.00085336	0.99914664	98302	84	98260	4020428	40.9
46	0.00093826	0.99906174	98218	92	98172	3922168	39.9
47	0.00103843	0.99896157	98126	102	98075	3823996	39.0
48	0.00115533	0.99884467	98024	113	97967	3725921	38.0
49	0.00129024	0.99870976	97911	126	97848	3627954	37.1

Life Expectancy in Germany Based on the 2011 Census • A11

Life table 2010/2012

Germany - Non-German population

Female

Completed age in years	Probability of death survival between ages x and x+1		Number of survivors at exact age x	Number of deaths between ages x and x+1	Number of person-years lived between ages x and x+1		Average life expectancy at exact age x in years
	q _x	p _x			L _x	T _x	
x	q _x	p _x	l _x	d _x	L _x	T _x	e _x
50	0.00144423	0.99855577	97784	141	97714	3530107	36.1
51	0.00161797	0.99838203	97643	158	97564	3432393	35.2
52	0.00181148	0.99818852	97485	177	97397	3334829	34.2
53	0.00202392	0.99797608	97309	197	97210	3237432	33.3
54	0.00225329	0.99774671	97112	219	97002	3140221	32.3
55	0.00249614	0.99750386	96893	242	96772	3043219	31.4
56	0.00274901	0.99725099	96651	266	96518	2946447	30.5
57	0.00301221	0.99698779	96385	290	96240	2849929	29.6
58	0.00328750	0.99671250	96095	316	95937	2753689	28.7
59	0.00357753	0.99642247	95779	343	95608	2657752	27.7
60	0.00388605	0.99611395	95436	371	95251	2562144	26.8
61	0.00421801	0.99578199	95066	401	94865	2466893	25.9
62	0.00457982	0.99542018	94665	434	94448	2372028	25.1
63	0.00497961	0.99502039	94231	469	93996	2277581	24.2
64	0.00542768	0.99457232	93762	509	93507	2183584	23.3
65	0.00593640	0.99406360	93253	554	92976	2090077	22.4
66	0.00651661	0.99348339	92699	604	92397	1997101	21.5
67	0.00717932	0.99282068	92095	661	91765	1904704	20.7
68	0.00793738	0.99206262	91434	726	91071	1812939	19.8
69	0.00880591	0.99119409	90708	799	90309	1721868	19.0
70	0.00980262	0.99019738	89909	881	89469	1631559	18.1
71	0.01094834	0.98905166	89028	975	88541	1542090	17.3
72	0.01226755	0.98773245	88053	1080	87513	1453549	16.5
73	0.01378905	0.98621095	86973	1199	86374	1366036	15.7
74	0.01554663	0.98445337	85774	1333	85107	1279663	14.9
75	0.01757816	0.98242184	84440	1484	83698	1194555	14.1
76	0.01992562	0.98007438	82956	1653	82130	1110857	13.4
77	0.02263668	0.97736332	81303	1840	80383	1028727	12.7
78	0.02576525	0.97423475	79463	2047	78439	948344	11.9
79	0.02937187	0.97062813	77415	2274	76278	869905	11.2
80	0.03352396	0.96647604	75142	2519	73882	793627	10.6
81	0.03829589	0.96170411	72623	2781	71232	719745	9.9
82	0.04376882	0.95623118	69841	3057	68313	648513	9.3
83	0.05002997	0.94997003	66784	3341	65114	580200	8.7
84	0.05715384	0.94284616	63443	3626	61630	515086	8.1
85	0.06516961	0.93483039	59817	3898	57868	453456	7.6
86	0.07407071	0.92592929	55919	4142	53848	395588	7.1
87	0.08380798	0.91619202	51777	4339	49607	341740	6.6
88	0.09428046	0.90571954	47438	4472	45201	292132	6.2
89	0.10532827	0.89467173	42965	4525	40703	246931	5.7
90	0.11672874	0.88327126	38440	4487	36196	206228	5.4
91	0.12819728	0.87180272	33953	4353	31776	170032	5.0
92	0.13923900	0.86076100	29600	4121	27539	138256	4.7
93	0.15364455	0.84635545	25479	3915	23521	110716	4.3
94	0.16899833	0.83100167	21564	3644	19742	87195	4.0
95	0.18526518	0.81473482	17920	3320	16260	67453	3.8
96	0.20239005	0.79760995	14600	2955	13122	51194	3.5
97	0.22029729	0.77970271	11645	2565	10362	38071	3.3
98	0.23889072	0.76110928	9080	2169	7995	27709	3.1
99	0.25805483	0.74194517	6911	1783	6019	19714	2.9
100+	1.00000000	0.00000000	5127	5127	13695	13695	2.7

Source: Federal Statistical Office - own calculations: zur Nieden/Sommer (2016)

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