

Statistisches Bundesamt; Life table for Germany; downloaded from: www.destatis.de (07.11.2016).

Life table: Germany, years, sex, completed age

Life tables

Germany

Completed age	Sex													
	Male							Female						
	Probability of death [q(x)]	Probability of survival [p(x)]	Survivors [l(x)]	Deaths [d(x)]	Number of years [L(x)] lived up to the age of x+1	Number of remaining years of life [T(x)]	Average life expectancy in years [e(x)]	Probability of death [q(x)]	Probability of survival [p(x)]	Survivors [l(x)]	Deaths [d(x)]	Number of years [L(x)] lived up to the age of x+1	Number of remaining years of life [T(x)]	Average life expectancy in years [e(x)]
	rate	rate	number	number	number	number	number	rate	rate	number	number	number	number	number
2015														
0 years	0.0035171	0.9964829	100000	352	99697	7817876	78.18	0.00300213	0.99699787	100000	300	99741	8305960	83.06
1 year	0.00027502	0.99972498	99648	27	99635	7718179	77.45	0.00025727	0.99974273	99700	26	99687	8206219	82.31
2 years	0.00015091	0.99984909	99621	15	99613	7618544	76.48	0.00011624	0.99988376	99674	12	99668	8106532	81.33
3 years	0.00014069	0.99985931	99606	14	99599	7518931	75.49	0.00011728	0.99988272	99663	12	99657	8006864	80.34
4 years	0.00010809	0.99989191	99592	11	99586	7419332	74.5	0.00009002	0.99990998	99651	9	99646	7907207	79.35
5 years	0.00009131	0.99990869	99581	9	99577	7319746	73.51	0.00007165	0.99992835	99642	7	99638	7807561	78.36
6 years	0.00009202	0.99990798	99572	9	99567	7220169	72.51	0.00006568	0.99993432	99635	7	99631	7707922	77.36
7 years	0.00008643	0.99991357	99563	9	99559	7120602	71.52	0.00005983	0.99994017	99628	6	99625	7608291	76.37
8 years	0.00007416	0.99992584	99554	7	99551	7021043	70.52	0.00006457	0.99993543	99622	6	99619	7508666	75.37
9 years	0.00009636	0.99990364	99547	10	99542	6921493	69.53	0.00005999	0.99994001	99616	6	99613	7409047	74.38
10 years	0.00006965	0.99993035	99537	7	99534	6821951	68.54	0.00005817	0.99994183	99610	6	99607	7309434	73.38
11 years	0.00008112	0.99991888	99530	8	99526	6722417	67.54	0.00006773	0.99993227	99604	7	99601	7209827	72.38
12 years	0.00008548	0.99991452	99522	9	99518	6622891	66.55	0.0000829	0.9999171	99597	8	99593	7110226	71.39
13 years	0.00009094	0.99990906	99514	9	99509	6523373	65.55	0.00007989	0.99992011	99589	8	99585	7010633	70.4
14 years	0.0001113	0.9998887	99505	11	99499	6423863	64.56	0.0001079	0.9998921	99581	11	99576	6911048	69.4
15 years	0.00015519	0.99984481	99494	15	99486	6324364	63.57	0.00012969	0.99987031	99570	13	99564	6811472	68.41
16 years	0.0002484	0.9997516	99478	25	99466	6224878	62.58	0.00015128	0.99984872	99557	15	99550	6711908	67.42
17 years	0.00028661	0.99971339	99453	29	99439	6125413	61.59	0.00014984	0.99985016	99542	15	99535	6612358	66.43
18 years	0.00039548	0.99960452	99425	39	99405	6025973	60.61	0.00019652	0.99980348	99527	20	99518	6512823	65.44
19 years	0.00043643	0.99956357	99386	43	99364	5926568	59.63	0.00019595	0.99980405	99508	19	99498	6413306	64.45
20 years	0.00044619	0.99955381	99342	44	99320	5827204	58.66	0.00019742	0.99980258	99488	20	99479	6313808	63.46
21 years	0.00046719	0.99953281	99298	46	99275	5727884	57.68	0.00017717	0.99982283	99469	18	99460	6214329	62.48
22 years	0.00042421	0.99957579	99252	42	99230	5628609	56.71	0.00016509	0.99983491	99451	16	99443	6114869	61.49
23 years	0.00047249	0.99952751	99209	47	99186	5529379	55.73	0.00023189	0.99976811	99435	23	99423	6015426	60.5
24 years	0.00047635	0.99952365	99163	47	99139	5430193	54.76	0.00019089	0.99980911	99412	19	99402	5916003	59.51
25 years	0.00050404	0.99949596	99115	50	99090	5331054	53.79	0.00020002	0.99979998	99393	20	99383	5816601	58.52
26 years	0.00050092	0.99949908	99065	50	99041	5231964	52.81	0.00020167	0.99979833	99373	20	99363	5717218	57.53
27 years	0.0005178	0.9994822	99016	51	98990	5132923	51.84	0.00021866	0.99978134	99353	22	99342	5617855	56.54
28 years	0.00054553	0.99945447	98964	54	98937	5033933	50.87	0.0002504	0.9997496	99331	25	99319	5518513	55.56
29 years	0.00058138	0.99941862	98910	58	98882	4934995	49.89	0.00027532	0.99972468	99306	27	99292	5419195	54.57
30 years	0.00061109	0.99938891	98853	60	98823	4836114	48.92	0.00028406	0.99971594	99279	28	99265	5319902	53.59
31 years	0.00068366	0.99931634	98793	68	98759	4737291	47.95	0.00032232	0.99967768	99251	32	99235	5220638	52.6
32 years	0.00069727	0.99930273	98725	69	98691	4638532	46.98	0.00033938	0.99966062	99219	34	99202	5121403	51.62
33 years	0.00072194	0.99927806	98656	71	98621	4539842	46.02	0.00037054	0.99962946	99185	37	99167	5022201	50.63
34 years	0.00079542	0.99920458	98585	78	98546	4441221	45.05	0.00039259	0.99960741	99148	39	99129	4923035	49.65
35 years	0.00088198	0.99911802	98507	87	98463	4342675	44.09	0.00042245	0.99957755	99109	42	99088	4823906	48.67
36 years	0.00087339	0.99912661	98420	86	98377	4244212	43.12	0.00046718	0.99953282	99067	46	99044	4724818	47.69
37 years	0.00090841	0.99909159	98334	89	98289	4145835	42.16	0.00047345	0.99952655	99021	47	98998	4625773	46.72
38 years	0.00103223	0.99896777	98244	101	98194	4047546	41.2	0.00057037	0.99942963	98974	56	98946	4526776	45.74
39 years	0.00111491	0.99888509	98143	109	98088	3949353	40.24	0.00063424	0.99936576	98918	63	98886	4427830	44.76
40 years	0.00121116	0.99878884	98034	119	97974	3851264	39.29	0.00067117	0.99932883	98855	66	98822	4328943	43.79
41 years	0.00132725	0.99867275	97915	130	97850	3753290	38.33	0.00074618	0.99925382	98789	74	98752	4230121	42.82
42 years	0.00147968	0.99852032	97785	145	97713	3655440	37.38	0.00084868	0.99915132	98715	84	98673	4131369	41.85
43 years	0.00167684	0.99832316	97640	164	97558	3557728	36.44	0.00092229	0.99907771	98631	91	98586	4032696	40.89
44 years	0.00177439	0.99822561	97476	173	97390	3460170	35.5	0.00104142	0.99895858	98540	103	98489	3934111	39.92
45 years	0.00208116	0.99791884	97303	203	97202	3362780	34.56	0.00116667	0.99888333	98438	110	98383	3835622	38.96
46 years	0.00225744	0.99774256	97101	219	96991	3265577	33.63	0.00131667	0.99883333	98328	129	98263	3737239	38.01
47 years	0.00252991	0.99747009	96882	245	96759	3168586	32.71	0.00146544	0.99853456	98198	144	98126	3638976	37.06
48 years	0.00284653	0.99715347	96637	275	96499	3071827	31.79	0.00158135	0.99841865	98054	155	97977	3540850	36.11
49 years	0.00322336	0.99677664	96362	311	96206	2975328	30.88	0.00182147	0.99817853	97899	178	97810	3442873	35.17
50 years	0.00358139	0.99641861	96051	344	95879	2879121	29.97	0.00200394	0.99799606	97721	196	97623	3345063	34.23

51 years	0.00401607	0.99598393	95707	384	95515	2783242	29.08	0.00230274	0.99769726	97525	225	97413	3247440	33.3
52 years	0.00458896	0.99541104	95323	437	95104	2687728	28.2	0.00251072	0.99748928	97301	244	97178	3150027	32.37
53 years	0.00515636	0.99484364	94885	489	94641	2592624	27.32	0.00285827	0.99714173	97056	277	96918	3052848	31.45
54 years	0.00573763	0.99426237	94396	542	94125	2497983	26.46	0.00307015	0.99692985	96779	297	96630	2955931	30.54
55 years	0.0063011	0.9936989	93854	591	93559	2403858	25.61	0.00336385	0.99663615	96482	325	96319	2859301	29.64
56 years	0.00692544	0.99307456	93263	646	92940	2310299	24.77	0.00369889	0.99630111	96157	356	95979	2762981	28.73
57 years	0.00770856	0.99229144	92617	714	92260	2217359	23.94	0.00397935	0.99602065	95801	381	95611	2667002	27.84
58 years	0.0085539	0.99144611	91903	786	91510	2125099	23.12	0.00437658	0.99562342	95420	418	95211	2571391	26.95
59 years	0.0093556	0.9906444	91117	852	90691	2033589	22.32	0.0048601	0.9951399	95003	462	94772	2476180	26.06
60 years	0.01019652	0.98980348	90265	920	89804	1942899	21.52	0.00528491	0.99471509	94541	500	94291	2381408	25.19
61 years	0.01112414	0.98887586	89344	994	88847	1853094	20.74	0.00565687	0.99434313	94041	532	93775	2287117	24.32
62 years	0.01209984	0.98790016	88350	1069	87816	1764247	19.97	0.00607161	0.99392839	93509	568	93225	2193341	23.46
63 years	0.01304853	0.98695147	87281	1139	86712	1676431	19.21	0.00665744	0.99334256	92942	619	92632	2100116	22.6
64 years	0.01418555	0.98581445	86142	1222	85531	1589720	18.45	0.00739817	0.99260183	92323	683	91981	2007484	21.74
65 years	0.01517552	0.98482448	84920	1289	84276	1504188	17.71	0.00800149	0.99199851	91640	733	91273	1915502	20.9
66 years	0.01653495	0.98346505	83632	1383	82940	1419912	16.98	0.00894147	0.99105853	90907	813	90500	1824229	20.07
67 years	0.01763878	0.98236122	82249	1451	81523	1336972	16.26	0.00945906	0.99054094	90094	852	89668	1733729	19.24
68 years	0.0191729	0.9808271	80798	1549	80023	1255449	15.54	0.01036727	0.98963273	89241	925	88779	1644062	18.42
69 years	0.0203515	0.9796485	79249	1613	78442	1175425	14.83	0.01103579	0.98896421	88316	975	87829	1555283	17.61
70 years	0.0225967	0.9774033	77636	1754	76759	1096983	14.13	0.0121908	0.9878092	87342	1065	86809	1467454	16.8
71 years	0.02443693	0.97556307	75882	1854	74955	1020224	13.44	0.01321404	0.98678596	86277	1140	85707	1380644	16
72 years	0.02602427	0.97397573	74027	1927	73064	945269	12.77	0.01404266	0.98595734	85137	1196	84539	1294937	15.21
73 years	0.02879558	0.97120442	72101	2076	71063	872205	12.1	0.01565656	0.98434344	83941	1314	83284	1210398	14.42
74 years	0.03114641	0.96885359	70025	2181	68934	801142	11.44	0.01706556	0.98293444	82627	1410	81922	1127114	13.64
75 years	0.03455648	0.96544352	67844	2344	66672	732208	10.79	0.01949607	0.98050393	81217	1583	80425	1045192	12.87
76 years	0.03832184	0.96167816	65499	2510	64244	665536	10.16	0.02229552	0.97770448	79634	1775	78746	964767	12.12
77 years	0.04207809	0.95792191	62989	2650	61664	601292	9.55	0.02521566	0.97478434	77858	1963	76876	886021	11.38
78 years	0.04778889	0.95221111	60339	2884	58897	539628	8.94	0.0293381	0.97066619	75895	2227	74782	809145	10.66
79 years	0.05345579	0.94654421	57455	3071	55920	480731	8.37	0.03394772	0.96605228	73668	2501	72418	734363	9.97
80 years	0.06034223	0.93965777	54384	3282	52743	424811	7.81	0.03932066	0.96067934	71167	2798	69768	661945	9.3
81 years	0.06781989	0.93218011	51102	3466	49369	372068	7.28	0.04476366	0.95523634	68369	3060	66839	592177	8.66
82 years	0.07752174	0.92247826	47637	3693	45790	322699	6.77	0.05229102	0.94770898	65309	3415	63601	525338	8.04
83 years	0.08744924	0.91255076	43944	3843	42022	276909	6.3	0.0598285	0.9401715	61894	3703	60042	461737	7.46
84 years	0.09782105	0.90217895	40101	3923	38139	234887	5.86	0.06915059	0.93084941	58191	4024	56179	401695	6.9
85 years	0.10956122	0.89043878	36178	3964	34196	196747	5.44	0.07888544	0.92111456	54167	4273	52030	345517	6.38
86 years	0.12161384	0.87838616	32214	3918	30256	162551	5.05	0.09096688	0.90903312	49894	4539	47624	293487	5.88
87 years	0.13417285	0.86582715	28297	3797	26398	132295	4.68	0.1036328	0.8963672	45355	4700	43005	245862	5.42
88 years	0.14930005	0.85069995	24500	3658	22671	105897	4.32	0.11780892	0.88219108	40655	4789	38260	202857	4.99
89 years	0.16468568	0.83531432	20842	3432	19126	83226	3.99	0.13386588	0.86613412	35865	4801	33465	164597	4.59
90 years	0.18283321	0.81716679	17410	3183	15818	64100	3.68	0.15159724	0.84840276	31064	4709	28709	131133	4.22
91 years	0.20731584	0.79268416	14227	2949	12752	48282	3.39	0.17091808	0.82908192	26355	4505	24103	102423	3.89
92 years	0.22726903	0.77273097	11277	2563	9996	35530	3.15	0.19095998	0.80904002	21850	4173	19764	78321	3.58
93 years	0.25312663	0.74687337	8714	2206	7611	25534	2.93	0.21782221	0.78217779	17678	3851	15752	58557	3.31
94 years	0.26403672	0.73596328	6508	1718	5649	17923	2.75	0.2312695	0.7687305	13827	3198	12228	42804	3.1
95 years	0.28962417	0.71037583	4790	1387	4096	12273	2.56	0.25224087	0.74775913	10629	2681	9289	30576	2.88
96 years	0.29922388	0.70077612	3403	1018	2894	8177	2.4	0.26084948	0.73915052	7948	2073	6912	21287	2.68
97 years	0.3221297	0.6778703	2385	768	2000	5283	2.22	0.29312636	0.70687364	5875	1722	5014	14375	2.45
98 years	0.36464002	0.63535998	1616	589	1322	3283	2.03	0.32154264	0.67845736	4153	1335	3485	9362	2.25
99 years	0.38783601	0.61216399	1027	398	828	1961	1.91	0.35354396	0.64645604	2818	996	2319	5876	2.09
100 years	0.410106	0.589894	629	258	500	1133	1.8	0.3780599	0.6219401	1821	689	1477	3557	1.95

$q(x)$ = Probability of death between ages x and $x+1$

$p(x)$ = Probability of survival between ages x and $x+1$

$l(x)$ = Number of survivors at exact age x

$d(x)$ = Number of deaths between ages x and $x+1$

$L(x)$ = Number of person-years lived between ages x and $x+1$

$T(x)$ = Number of person-years remaining after exact age x

$e(x)$ = Average life expectancy at exact age x (in years)

The life table for year t (e.g. 2002) relates to the period $t-2/t$ (e.g. 2000/2002).

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