

National Statistical Institute NSI, Republic of Bulgaria; Mortality and Life Expectancy by Sex and place of residence for the 2006 - 2008 period, downloaded from <http://www.nsi.bg/otrasalen.php?otr=53> (20.07.2010)

MORTALITY AND LIFE EXPECTANCY BY SEX AND PLACE OF RESIDENCE FOR THE 2006-2008 PERIOD

Age (years)	Probability of dying from x to x+1 years			Probability of surviving to x+1 years			Life expectancy		
	x	qx			px			e ^o x	
	Total	Male	Female	Total	Male	Female	Total	Male	Female
Total									
0	0.00873	0.00967	0.00773	0.99127	0.99033	0.99227	73.01	69.51	76.64
1	0.00069	0.00066	0.00073	0.99931	0.99934	0.99927	72.65	69.19	76.23
2	0.00042	0.00043	0.00041	0.99958	0.99957	0.99959	71.70	68.24	75.29
3	0.00045	0.00056	0.00032	0.99955	0.99944	0.99968	70.73	67.27	74.32
4	0.00022	0.00025	0.00019	0.99978	0.99975	0.99981	69.76	66.30	73.34
5	0.00033	0.00035	0.00031	0.99967	0.99965	0.99969	68.78	65.32	72.35
6	0.00037	0.00036	0.00037	0.99963	0.99964	0.99963	67.80	64.34	71.38
7	0.00021	0.00013	0.00029	0.99979	0.99987	0.99971	66.82	63.36	70.40
8	0.00023	0.00025	0.00020	0.99977	0.99975	0.99980	65.84	62.37	69.42
9	0.00031	0.00041	0.00020	0.99969	0.99959	0.99980	64.85	61.39	68.44
10	0.00027	0.00027	0.00027	0.99973	0.99973	0.99973	63.87	60.41	67.45
11	0.00022	0.00021	0.00022	0.99978	0.99979	0.99978	62.89	59.43	66.47
12	0.00027	0.00036	0.00018	0.99973	0.99964	0.99982	61.90	58.44	65.48
13	0.00031	0.00035	0.00027	0.99969	0.99965	0.99973	60.92	57.46	64.49
14	0.00038	0.00042	0.00034	0.99962	0.99958	0.99966	59.94	56.48	63.51
15	0.00039	0.00060	0.00017	0.99961	0.99940	0.99983	58.96	55.51	62.53
16	0.00054	0.00078	0.00029	0.99946	0.99922	0.99971	57.98	54.54	61.54
17	0.00054	0.00078	0.00029	0.99946	0.99922	0.99971	57.02	53.58	60.56
18	0.00063	0.00075	0.00050	0.99937	0.99925	0.99950	56.05	52.62	59.58
19	0.00076	0.00102	0.00048	0.99924	0.99898	0.99952	55.08	51.66	58.61
20	0.00074	0.00108	0.00038	0.99926	0.99892	0.99962	54.12	50.71	57.64
21	0.00077	0.00108	0.00046	0.99923	0.99892	0.99954	53.16	49.77	56.66
22	0.00070	0.00103	0.00036	0.99930	0.99897	0.99964	52.20	48.82	55.68
23	0.00085	0.00119	0.00048	0.99915	0.99881	0.99952	51.24	47.87	54.70
24	0.00083	0.00116	0.00049	0.99917	0.99884	0.99951	50.28	46.93	53.73
25	0.00093	0.00139	0.00046	0.99907	0.99861	0.99954	49.32	45.98	52.76
26	0.00080	0.00112	0.00045	0.99920	0.99888	0.99955	48.37	45.05	51.78
27	0.00098	0.00139	0.00054	0.99902	0.99861	0.99946	47.41	44.10	50.80
28	0.00084	0.00130	0.00035	0.99916	0.99870	0.99965	46.45	43.16	49.83
29	0.00087	0.00124	0.00049	0.99913	0.99876	0.99951	45.49	42.21	48.85
30	0.00104	0.00143	0.00063	0.99896	0.99857	0.99937	44.53	41.26	47.87
31	0.00103	0.00146	0.00057	0.99897	0.99854	0.99943	43.58	40.32	46.90
32	0.00114	0.00157	0.00068	0.99886	0.99843	0.99932	42.62	39.38	45.93
33	0.00117	0.00166	0.00066	0.99883	0.99834	0.99934	41.67	38.44	44.96
34	0.00126	0.00169	0.00081	0.99874	0.99831	0.99919	40.72	37.50	43.99
35	0.00148	0.00184	0.00111	0.99852	0.99816	0.99889	39.77	36.57	43.02
36	0.00156	0.00209	0.00100	0.99844	0.99791	0.99900	38.83	35.63	42.07
37	0.00163	0.00215	0.00110	0.99837	0.99785	0.99890	37.89	34.71	41.11
38	0.00167	0.00219	0.00113	0.99833	0.99781	0.99887	36.95	33.78	40.16
39	0.00191	0.00270	0.00110	0.99809	0.99730	0.99890	36.01	32.85	39.20
40	0.00210	0.00275	0.00144	0.99790	0.99725	0.99856	35.08	31.94	38.24
41	0.00250	0.00338	0.00161	0.99750	0.99662	0.99839	34.15	31.03	37.30
42	0.00284	0.00403	0.00165	0.99716	0.99597	0.99835	33.23	30.13	36.36
43	0.00320	0.00418	0.00221	0.99680	0.99582	0.99779	32.33	29.25	35.42
44	0.00372	0.00519	0.00225	0.99628	0.99481	0.99775	31.43	28.37	34.49

45	0.00405	0.00570	0.00241	0.99595	0.99430	0.99759	30.54	27.52	33.57
46	0.00409	0.00581	0.00239	0.99591	0.99419	0.99761	29.67	26.67	32.65
47	0.00500	0.00704	0.00298	0.99500	0.99296	0.99702	28.79	25.83	31.73
48	0.00537	0.00789	0.00289	0.99463	0.99211	0.99711	27.93	25.00	30.82
49	0.00608	0.00884	0.00340	0.99392	0.99116	0.99660	27.08	24.20	29.91
50	0.00649	0.00945	0.00365	0.99351	0.99055	0.99635	26.24	23.41	29.01
51	0.00736	0.01073	0.00414	0.99264	0.98927	0.99586	25.41	22.63	28.11
52	0.00785	0.01157	0.00434	0.99215	0.98843	0.99566	24.59	21.87	27.23
53	0.00900	0.01311	0.00513	0.99100	0.98689	0.99487	23.78	21.12	26.35
54	0.00956	0.01408	0.00534	0.99044	0.98592	0.99466	22.99	20.39	25.48
55	0.01028	0.01530	0.00566	0.98972	0.98470	0.99434	22.21	19.68	24.61
56	0.01177	0.01751	0.00653	0.98823	0.98249	0.99347	21.44	18.97	23.75
57	0.01231	0.01860	0.00662	0.98769	0.98140	0.99338	20.68	18.30	22.90
58	0.01308	0.01933	0.00751	0.98692	0.98067	0.99249	19.94	17.64	22.05
59	0.01360	0.02073	0.00731	0.98640	0.97927	0.99269	19.19	16.98	21.22
60	0.01515	0.02326	0.00807	0.98485	0.97674	0.99193	18.45	16.33	20.37
61	0.01557	0.02342	0.00880	0.98443	0.97658	0.99120	17.73	15.70	19.53
62	0.01688	0.02443	0.01050	0.98312	0.97557	0.98950	17.00	15.07	18.70
63	0.01842	0.02680	0.01142	0.98158	0.97320	0.98858	16.28	14.43	17.89
64	0.02014	0.02975	0.01223	0.97986	0.97025	0.98777	15.58	13.82	17.09
65	0.02186	0.03120	0.01428	0.97814	0.96880	0.98572	14.89	13.23	16.30
66	0.02364	0.03422	0.01517	0.97636	0.96578	0.98483	14.21	12.64	15.53
67	0.02551	0.03618	0.01710	0.97449	0.96382	0.98290	13.54	12.07	14.76
68	0.02728	0.03946	0.01787	0.97272	0.96054	0.98213	12.88	11.50	14.01
69	0.02982	0.04168	0.02079	0.97018	0.95832	0.97921	12.23	10.95	13.25
70	0.03478	0.04799	0.02481	0.96522	0.95201	0.97519	11.59	10.41	12.52
71	0.03588	0.04860	0.02642	0.96412	0.95140	0.97358	10.99	9.91	11.83
72	0.04066	0.05420	0.03072	0.95934	0.94580	0.96928	10.38	9.39	11.13
73	0.04577	0.05963	0.03579	0.95423	0.94037	0.96421	9.80	8.89	10.47
74	0.04906	0.06354	0.03881	0.95094	0.93646	0.96119	9.25	8.43	9.84
75	0.05297	0.06574	0.04403	0.94703	0.93426	0.95597	8.70	7.96	9.22
76	0.05818	0.07194	0.04866	0.94182	0.92806	0.95134	8.15	7.49	8.62
77	0.06624	0.07918	0.05743	0.93376	0.92082	0.94257	7.63	7.03	8.03
78	0.07354	0.08687	0.06463	0.92646	0.91313	0.93537	7.13	6.59	7.49
79	0.08329	0.09924	0.07297	0.91671	0.90076	0.92703	6.66	6.17	6.98
80	0.09270	0.10816	0.08300	0.90730	0.89184	0.91700	6.22	5.80	6.49
81	0.10399	0.11982	0.09419	0.89601	0.88018	0.90581	5.80	5.44	6.03
82	0.11354	0.12883	0.10435	0.88646	0.87117	0.89565	5.42	5.11	5.60
83	0.12344	0.13613	0.11611	0.87656	0.86387	0.88389	5.05	4.80	5.20
84	0.13751	0.14664	0.13239	0.86249	0.85336	0.86761	4.69	4.47	4.81
85	0.15062	0.16322	0.14365	0.84938	0.83678	0.85635	4.36	4.16	4.47
86	0.16484	0.18021	0.15631	0.83516	0.81979	0.84369	4.04	3.87	4.14
87	0.16761	0.18152	0.16004	0.80911	0.79361	0.81745	3.74	3.61	3.81
88	0.16896	0.18210	0.16190	0.78704	0.77592	0.79303	3.51	3.43	3.55
89	0.17150	0.17999	0.16695	0.77035	0.76246	0.77460	3.32	3.28	3.35
90	0.21181	0.23605	0.19892	0.75697	0.75164	0.75986	3.17	3.15	3.18
91	0.28742	0.30757	0.27706	0.74583	0.74261	0.74761	3.03	3.03	3.04
92	0.29171	0.30984	0.28239	0.73632	0.73488	0.73716	2.91	2.91	2.90
93	0.25196	0.27837	0.23861	0.72804	0.72812	0.72807	2.77	2.79	2.77
94	0.27585	0.27289	0.27723	0.72070	0.72213	0.72003	2.63	2.65	2.62
95	0.31729	0.32761	0.31227	0.71413	0.71676	0.71283	2.47	2.49	2.46
96	0.31311	0.30670	0.31620	0.70819	0.71188	0.70632	2.27	2.29	2.26
97	0.29896	0.30392	0.29644	0.70276	0.70743	0.70039	2.01	2.03	2.00
98	0.30158	0.28689	0.30896	0.69777	0.70333	0.69494	1.66	1.67	1.65
99	0.31175	0.28289	0.32619	0.69316	0.69954	0.68990	1.17	1.18	1.17
100+	0.30685	0.25902	0.32963	0.68887	0.69601	0.68523	0.48	0.48	0.48

Urban residence									
0	0.00758	0.00844	0.00667	0.99242	0.99156	0.99333	73.42	69.92	76.92
1	0.00065	0.00065	0.00065	0.99935	0.99935	0.99935	72.98	69.51	76.43
2	0.00039	0.00041	0.00036	0.99961	0.99959	0.99964	72.03	68.55	75.48
3	0.00035	0.00054	0.00014	0.99965	0.99946	0.99986	71.05	67.58	74.51
4	0.00023	0.00024	0.00021	0.99977	0.99976	0.99979	70.08	66.62	73.52
5	0.00025	0.00026	0.00024	0.99975	0.99974	0.99976	69.09	65.63	72.54
6	0.00038	0.00038	0.00037	0.99962	0.99962	0.99963	68.11	64.65	71.55
7	0.00018	0.00008	0.00028	0.99982	0.99992	0.99972	67.14	63.68	70.58
8	0.00022	0.00021	0.00022	0.99978	0.99979	0.99978	66.15	62.68	69.60
9	0.00026	0.00038	0.00014	0.99974	0.99962	0.99986	65.16	61.69	68.62
10	0.00027	0.00027	0.00026	0.99973	0.99973	0.99974	64.18	60.72	67.63
11	0.00020	0.00019	0.00021	0.99980	0.99981	0.99979	63.20	59.73	66.64
12	0.00020	0.00025	0.00015	0.99980	0.99975	0.99985	62.21	58.74	65.66
13	0.00022	0.00027	0.00016	0.99978	0.99973	0.99984	61.22	57.76	64.67
14	0.00037	0.00039	0.00034	0.99963	0.99961	0.99966	60.24	56.77	63.68
15	0.00035	0.00057	0.00012	0.99965	0.99943	0.99988	59.26	55.80	62.70
16	0.00041	0.00058	0.00024	0.99959	0.99942	0.99976	58.28	54.83	61.71
17	0.00054	0.00077	0.00030	0.99946	0.99923	0.99970	57.30	53.86	60.72
18	0.00057	0.00067	0.00047	0.99943	0.99933	0.99953	56.33	52.90	59.74
19	0.00071	0.00096	0.00045	0.99929	0.99904	0.99955	55.36	51.94	58.77
20	0.00063	0.00100	0.00025	0.99937	0.99900	0.99975	54.40	50.99	57.79
21	0.00068	0.00089	0.00047	0.99932	0.99911	0.99953	53.44	50.04	56.81
22	0.00067	0.00102	0.00032	0.99933	0.99898	0.99968	52.47	49.08	55.83
23	0.00081	0.00116	0.00045	0.99919	0.99884	0.99955	51.51	48.13	54.85
24	0.00080	0.00118	0.00041	0.99920	0.99882	0.99959	50.55	47.18	53.88
25	0.00093	0.00142	0.00042	0.99907	0.99858	0.99958	49.59	46.24	52.90
26	0.00074	0.00108	0.00039	0.99926	0.99892	0.99961	48.64	45.30	51.92
27	0.00097	0.00140	0.00053	0.99903	0.99860	0.99947	47.67	44.35	50.94
28	0.00080	0.00126	0.00032	0.99920	0.99874	0.99968	46.72	43.41	49.97
29	0.00081	0.00121	0.00041	0.99919	0.99879	0.99959	45.75	42.47	48.98
30	0.00093	0.00127	0.00058	0.99907	0.99873	0.99942	44.79	41.52	48.00
31	0.00096	0.00132	0.00058	0.99904	0.99868	0.99942	43.83	40.57	47.03
32	0.00108	0.00153	0.00061	0.99892	0.99847	0.99939	42.87	39.62	46.06
33	0.00109	0.00156	0.00062	0.99891	0.99844	0.99938	41.92	38.68	45.09
34	0.00117	0.00146	0.00088	0.99883	0.99854	0.99912	40.96	37.74	44.11
35	0.00137	0.00167	0.00106	0.99863	0.99833	0.99894	40.01	36.80	43.15
36	0.00141	0.00195	0.00087	0.99859	0.99805	0.99913	39.07	35.86	42.20
37	0.00155	0.00199	0.00112	0.99845	0.99801	0.99888	38.12	34.93	41.23
38	0.00155	0.00207	0.00104	0.99845	0.99793	0.99896	37.18	34.00	40.28
39	0.00182	0.00259	0.00105	0.99818	0.99741	0.99895	36.24	33.07	39.32
40	0.00190	0.00240	0.00141	0.99810	0.99760	0.99859	35.30	32.15	38.36
41	0.00224	0.00300	0.00151	0.99776	0.99700	0.99849	34.37	31.23	37.41
42	0.00259	0.00371	0.00151	0.99741	0.99629	0.99849	33.44	30.32	36.47
43	0.00294	0.00388	0.00205	0.99706	0.99612	0.99795	32.53	29.43	35.52
44	0.00344	0.00486	0.00209	0.99656	0.99514	0.99791	31.62	28.54	34.60
45	0.00363	0.00509	0.00224	0.99637	0.99491	0.99776	30.73	27.68	33.67
46	0.00374	0.00531	0.00226	0.99626	0.99469	0.99774	29.84	26.82	32.74
47	0.00465	0.00658	0.00284	0.99535	0.99342	0.99716	28.95	25.96	31.82
48	0.00489	0.00718	0.00277	0.99511	0.99282	0.99723	28.08	25.13	30.90
49	0.00566	0.00824	0.00328	0.99434	0.99176	0.99672	27.22	24.31	29.99
50	0.00608	0.00889	0.00351	0.99392	0.99111	0.99649	26.37	23.50	29.09
51	0.00698	0.01022	0.00402	0.99302	0.98978	0.99598	25.53	22.71	28.19
52	0.00739	0.01076	0.00435	0.99261	0.98924	0.99565	24.71	21.94	27.30
53	0.00823	0.01201	0.00484	0.99177	0.98799	0.99516	23.89	21.17	26.42

54	0.00898	0.01326	0.00515	0.99102	0.98674	0.99485	23.08	20.42	25.54
55	0.00962	0.01416	0.00558	0.99038	0.98584	0.99442	22.28	19.69	24.67
56	0.01107	0.01631	0.00645	0.98893	0.98369	0.99355	21.50	18.97	23.81
57	0.01137	0.01721	0.00627	0.98863	0.98279	0.99373	20.73	18.27	22.96
58	0.01223	0.01799	0.00725	0.98777	0.98201	0.99275	19.96	17.58	22.10
59	0.01303	0.01987	0.00717	0.98697	0.98013	0.99283	19.20	16.90	21.26
60	0.01435	0.02210	0.00776	0.98565	0.97790	0.99224	18.45	16.23	20.41
61	0.01490	0.02263	0.00833	0.98510	0.97737	0.99167	17.71	15.59	19.56
62	0.01628	0.02339	0.01027	0.98372	0.97661	0.98973	16.97	14.93	18.72
63	0.01815	0.02591	0.01159	0.98185	0.97409	0.98841	16.24	14.28	17.91
64	0.02008	0.02966	0.01210	0.97992	0.97034	0.98790	15.54	13.65	17.12
65	0.02181	0.03063	0.01464	0.97819	0.96937	0.98536	14.84	13.05	16.32
66	0.02361	0.03472	0.01474	0.97639	0.96528	0.98526	14.16	12.44	15.55
67	0.02551	0.03613	0.01723	0.97449	0.96387	0.98277	13.49	11.87	14.78
68	0.02802	0.04022	0.01878	0.97198	0.95978	0.98122	12.83	11.30	14.03
69	0.03027	0.04230	0.02140	0.96973	0.95770	0.97860	12.19	10.75	13.29
70	0.03529	0.04914	0.02520	0.96471	0.95086	0.97480	11.55	10.21	12.57
71	0.03578	0.04968	0.02589	0.96422	0.95032	0.97411	10.96	9.71	11.88
72	0.04132	0.05764	0.03000	0.95868	0.94236	0.97000	10.35	9.19	11.18
73	0.04536	0.06098	0.03489	0.95464	0.93902	0.96511	9.77	8.72	10.51
74	0.04842	0.06374	0.03839	0.95158	0.93626	0.96161	9.21	8.25	9.87
75	0.05397	0.06952	0.04389	0.94603	0.93048	0.95611	8.65	7.78	9.25
76	0.06022	0.07705	0.04940	0.93978	0.92295	0.95060	8.12	7.33	8.65
77	0.06660	0.08313	0.05607	0.93340	0.91687	0.94393	7.61	6.89	8.07
78	0.07410	0.08950	0.06439	0.92590	0.91050	0.93561	7.11	6.47	7.52
79	0.08288	0.10001	0.07231	0.91712	0.89999	0.92769	6.64	6.06	7.00
80	0.09292	0.11056	0.08232	0.90708	0.88944	0.91768	6.20	5.68	6.51
81	0.10506	0.12472	0.09344	0.89494	0.87528	0.90656	5.78	5.32	6.05
82	0.11380	0.13214	0.10338	0.88620	0.86786	0.89662	5.40	5.01	5.62
83	0.12306	0.13941	0.11411	0.87694	0.86059	0.88589	5.03	4.70	5.21
84	0.13910	0.15278	0.13187	0.86090	0.84722	0.86813	4.66	4.38	4.82
85	0.14922	0.16504	0.14102	0.85078	0.83496	0.85898	4.34	4.08	4.47
86	0.16385	0.17925	0.15573	0.83615	0.82075	0.84427	4.01	3.79	4.13
87	0.16610	0.18422	0.15657	0.80934	0.79105	0.81855	3.70	3.51	3.80
88	0.16756	0.18186	0.16026	0.78548	0.77046	0.79289	3.46	3.31	3.53
89	0.17599	0.18708	0.17038	0.76746	0.75485	0.77354	3.27	3.15	3.32
90	0.21307	0.23654	0.20092	0.75305	0.74234	0.75809	3.11	3.02	3.15
91	0.29141	0.30256	0.28604	0.74107	0.73192	0.74526	2.97	2.90	3.01
92	0.29067	0.30716	0.28279	0.73085	0.72301	0.73432	2.84	2.78	2.87
93	0.25424	0.28660	0.23900	0.72195	0.71524	0.72481	2.72	2.67	2.73
94	0.27969	0.31414	0.26481	0.71409	0.70837	0.71641	2.58	2.54	2.59
95	0.30857	0.34009	0.29403	0.70704	0.70220	0.70889	2.42	2.39	2.43
96	0.31216	0.31790	0.30947	0.70067	0.69662	0.70209	2.23	2.21	2.23
97	0.31464	0.32710	0.30841	0.69487	0.69153	0.69590	1.98	1.96	1.98
98	0.33967	0.31405	0.35223	0.68953	0.68684	0.69021	1.64	1.63	1.64
99	0.32230	0.28767	0.33876	0.68460	0.68251	0.68496	1.16	1.16	1.16
100+	0.31124	0.28814	0.32314	0.68002	0.67849	0.68009	0.48	0.48	0.48
Rural residence									
0	0.01213	0.01334	0.01084	0.98787	0.98666	0.98916	71.82	68.30	75.83
1	0.00083	0.00071	0.00096	0.99917	0.99929	0.99904	71.70	68.22	75.66
2	0.00052	0.00050	0.00054	0.99948	0.99950	0.99946	70.76	67.27	74.73
3	0.00073	0.00061	0.00086	0.99927	0.99939	0.99914	69.80	66.31	73.77
4	0.00021	0.00030	0.00011	0.99979	0.99970	0.99989	68.85	65.35	72.84
5	0.00054	0.00058	0.00050	0.99946	0.99942	0.99950	67.87	64.37	71.84
6	0.00034	0.00031	0.00038	0.99966	0.99969	0.99962	66.90	63.40	70.88

7	0.00028	0.00025	0.00031	0.99972	0.99975	0.99969	65.93	62.42	69.91
8	0.00026	0.00035	0.00016	0.99974	0.99965	0.99984	64.94	61.44	68.93
9	0.00041	0.00048	0.00034	0.99959	0.99952	0.99966	63.96	60.46	67.94
10	0.00027	0.00026	0.00028	0.99973	0.99974	0.99972	62.99	59.49	66.96
11	0.00026	0.00025	0.00026	0.99974	0.99975	0.99974	62.00	58.50	65.98
12	0.00043	0.00062	0.00025	0.99957	0.99938	0.99975	61.02	57.52	65.00
13	0.00052	0.00053	0.00050	0.99948	0.99947	0.99950	60.05	56.55	64.01
14	0.00043	0.00050	0.00035	0.99957	0.99950	0.99965	59.08	55.58	63.05
15	0.00049	0.00067	0.00030	0.99951	0.99933	0.99970	58.10	54.61	62.07
16	0.00085	0.00127	0.00041	0.99915	0.99873	0.99959	57.13	53.65	61.09
17	0.00054	0.00079	0.00027	0.99946	0.99921	0.99973	56.18	52.71	60.11
18	0.00077	0.00095	0.00057	0.99923	0.99905	0.99943	55.21	51.75	59.13
19	0.00089	0.00120	0.00055	0.99911	0.99880	0.99945	54.25	50.80	58.16
20	0.00109	0.00132	0.00083	0.99891	0.99868	0.99917	53.30	49.86	57.19
21	0.00108	0.00169	0.00040	0.99892	0.99831	0.99960	52.36	48.93	56.24
22	0.00080	0.00105	0.00052	0.99920	0.99895	0.99948	51.41	48.01	55.26
23	0.00099	0.00132	0.00062	0.99901	0.99868	0.99938	50.45	47.06	54.29
24	0.00094	0.00107	0.00079	0.99906	0.99893	0.99921	49.50	46.12	53.32
25	0.00096	0.00128	0.00059	0.99904	0.99872	0.99941	48.55	45.17	52.37
26	0.00100	0.00127	0.00067	0.99900	0.99873	0.99933	47.59	44.23	51.40
27	0.00099	0.00135	0.00057	0.99901	0.99865	0.99943	46.64	43.28	50.43
28	0.00099	0.00144	0.00046	0.99901	0.99856	0.99954	45.69	42.34	49.46
29	0.00108	0.00134	0.00078	0.99892	0.99866	0.99922	44.73	41.40	48.48
30	0.00141	0.00195	0.00081	0.99859	0.99805	0.99919	43.78	40.46	47.52
31	0.00125	0.00192	0.00051	0.99875	0.99808	0.99949	42.84	39.54	46.56
32	0.00133	0.00169	0.00093	0.99867	0.99831	0.99907	41.89	38.61	45.58
33	0.00141	0.00199	0.00077	0.99859	0.99801	0.99923	40.95	37.67	44.62
34	0.00153	0.00240	0.00055	0.99847	0.99760	0.99945	40.01	36.75	43.66
35	0.00185	0.00236	0.00127	0.99815	0.99764	0.99873	39.07	35.84	42.68
36	0.00202	0.00251	0.00145	0.99798	0.99749	0.99855	38.14	34.92	41.73
37	0.00188	0.00258	0.00105	0.99812	0.99742	0.99895	37.21	34.01	40.79
38	0.00202	0.00254	0.00144	0.99798	0.99746	0.99856	36.28	33.09	39.84
39	0.00220	0.00300	0.00128	0.99780	0.99700	0.99872	35.36	32.18	38.89
40	0.00269	0.00371	0.00151	0.99731	0.99629	0.99849	34.43	31.27	37.94
41	0.00326	0.00439	0.00194	0.99674	0.99561	0.99806	33.52	30.39	37.00
42	0.00357	0.00485	0.00209	0.99643	0.99515	0.99791	32.63	29.52	36.07
43	0.00393	0.00499	0.00272	0.99607	0.99501	0.99728	31.75	28.66	35.14
44	0.00453	0.00605	0.00278	0.99547	0.99395	0.99722	30.87	27.80	34.24
45	0.00529	0.00731	0.00296	0.99471	0.99269	0.99704	30.01	26.97	33.33
46	0.00513	0.00711	0.00284	0.99487	0.99289	0.99716	29.17	26.16	32.43
47	0.00601	0.00825	0.00341	0.99399	0.99175	0.99659	28.31	25.34	31.52
48	0.00676	0.00977	0.00330	0.99324	0.99023	0.99670	27.48	24.55	30.63
49	0.00730	0.01042	0.00378	0.99270	0.98958	0.99622	26.66	23.79	29.73
50	0.00768	0.01091	0.00410	0.99232	0.98909	0.99590	25.86	23.03	28.84
51	0.00845	0.01206	0.00450	0.99155	0.98794	0.99550	25.05	22.28	27.95
52	0.00917	0.01366	0.00430	0.99083	0.98634	0.99570	24.26	21.55	27.08
53	0.01117	0.01591	0.00605	0.98883	0.98409	0.99395	23.48	20.84	26.19
54	0.01115	0.01615	0.00591	0.98885	0.98385	0.99409	22.74	20.17	25.35
55	0.01207	0.01818	0.00589	0.98793	0.98182	0.99411	21.99	19.49	24.50
56	0.01360	0.02052	0.00674	0.98640	0.97948	0.99326	21.25	18.84	23.64
57	0.01469	0.02194	0.00758	0.98531	0.97806	0.99242	20.54	18.23	22.80
58	0.01514	0.02238	0.00816	0.98486	0.97762	0.99184	19.84	17.62	21.97
59	0.01495	0.02263	0.00766	0.98505	0.97737	0.99234	19.14	17.02	21.14
60	0.01694	0.02577	0.00878	0.98306	0.97423	0.99122	18.42	16.40	20.30
61	0.01698	0.02505	0.00981	0.98302	0.97495	0.99019	17.73	15.82	19.48
62	0.01804	0.02643	0.01094	0.98196	0.97357	0.98906	17.03	15.21	18.67

63	0.01890	0.02842	0.01113	0.98110	0.97158	0.98887	16.33	14.61	17.87
64	0.02026	0.02990	0.01245	0.97974	0.97010	0.98755	15.63	14.02	17.06
65	0.02193	0.03211	0.01370	0.97807	0.96789	0.98630	14.95	13.44	16.27
66	0.02368	0.03349	0.01580	0.97632	0.96651	0.98420	14.27	12.87	15.49
67	0.02551	0.03626	0.01691	0.97449	0.96374	0.98309	13.61	12.30	14.73
68	0.02625	0.03842	0.01656	0.97375	0.96158	0.98344	12.95	11.74	13.97
69	0.02920	0.04086	0.01993	0.97080	0.95914	0.98007	12.28	11.19	13.20
70	0.03411	0.04652	0.02427	0.96589	0.95348	0.97573	11.64	10.65	12.46
71	0.03601	0.04729	0.02712	0.96399	0.95271	0.97288	11.03	10.14	11.76
72	0.03983	0.05017	0.03169	0.96017	0.94983	0.96831	10.42	9.62	11.07
73	0.04627	0.05812	0.03698	0.95373	0.94188	0.96302	9.84	9.10	10.42
74	0.04983	0.06331	0.03935	0.95017	0.93669	0.96065	9.29	8.63	9.80
75	0.05174	0.06153	0.04422	0.94826	0.93847	0.95578	8.75	8.18	9.18
76	0.05561	0.06609	0.04767	0.94439	0.93391	0.95233	8.20	7.69	8.58
77	0.06577	0.07452	0.05929	0.93423	0.92548	0.94071	7.65	7.19	7.98
78	0.07281	0.08370	0.06497	0.92719	0.91630	0.93503	7.16	6.73	7.45
79	0.08383	0.09830	0.07386	0.91617	0.90170	0.92614	6.68	6.30	6.94
80	0.09241	0.10528	0.08389	0.90759	0.89472	0.91611	6.24	5.93	6.45
81	0.10265	0.11409	0.09516	0.89735	0.88591	0.90484	5.83	5.57	5.99
82	0.11322	0.12506	0.10560	0.88678	0.87494	0.89440	5.44	5.23	5.57
83	0.12392	0.13241	0.11867	0.87608	0.86759	0.88133	5.07	4.91	5.17
84	0.13554	0.13964	0.13306	0.86446	0.86036	0.86694	4.71	4.58	4.80
85	0.15235	0.16117	0.14707	0.84765	0.83883	0.85293	4.37	4.24	4.46
86	0.16605	0.18130	0.15706	0.83395	0.81870	0.84294	4.07	3.96	4.14
87	0.16947	0.17836	0.16442	0.80890	0.79637	0.81613	3.78	3.73	3.82
88	0.17068	0.18237	0.16400	0.78863	0.78155	0.79296	3.56	3.56	3.57
89	0.16592	0.17189	0.16250	0.77326	0.77024	0.77545	3.38	3.41	3.38
90	0.21022	0.23545	0.19635	0.76093	0.76113	0.76142	3.23	3.29	3.21
91	0.28242	0.31327	0.26526	0.75065	0.75350	0.74976	3.10	3.17	3.07
92	0.29295	0.31268	0.28189	0.74186	0.74696	0.73981	2.97	3.05	2.93
93	0.24933	0.26977	0.23812	0.73419	0.74124	0.73114	2.84	2.92	2.80
94	0.27151	0.23091	0.29198	0.72740	0.73616	0.72347	2.69	2.78	2.65
95	0.32700	0.31469	0.33333	0.72131	0.73159	0.71660	2.52	2.60	2.48
96	0.31419	0.29442	0.32405	0.71580	0.72745	0.71038	2.31	2.38	2.28
97	0.28117	0.27835	0.28264	0.71076	0.72365	0.70471	2.04	2.09	2.02
98	0.26279	0.26016	0.26415	0.70613	0.72016	0.69951	1.68	1.71	1.66
99	0.30131	0.27848	0.31333	0.70185	0.71692	0.69469	1.18	1.20	1.17
100+	0.30287	0.22979	0.33522	0.69787	0.71391	0.69022	0.48	0.48	0.48