

National Statistical Institute NSI, Republic of Bulgaria; Mortality and Life Expectancy by Sex and place of residence for the 2007 - 2009 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 2007-2009 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	0.00859	0.00933	0.00781	0.99141	0.99067	0.99219	73.43	69.90	77.08
1	0.00063	0.00067	0.00059	0.99937	0.99933	0.99941	73.07	69.56	76.69
2	0.00037	0.00039	0.00033	0.99963	0.99961	0.99967	72.11	68.60	75.73
3	0.00037	0.00034	0.00039	0.99963	0.99966	0.99961	71.14	67.63	74.76
4	0.00029	0.00027	0.00031	0.99971	0.99973	0.99969	70.17	66.65	73.79
5	0.00030	0.00039	0.00020	0.99970	0.99961	0.99980	69.19	65.67	72.81
6	0.00032	0.00036	0.00028	0.99968	0.99964	0.99972	68.21	64.70	71.82
7	0.00025	0.00023	0.00026	0.99975	0.99977	0.99974	67.23	63.72	70.84
8	0.00023	0.00028	0.00018	0.99977	0.99972	0.99982	66.24	62.73	69.86
9	0.00031	0.00045	0.00017	0.99969	0.99955	0.99983	65.26	61.75	68.87
10	0.00021	0.00020	0.00022	0.99979	0.99980	0.99978	64.28	60.78	67.89
11	0.00026	0.00036	0.00015	0.99974	0.99964	0.99985	63.29	59.79	66.90
12	0.00031	0.00033	0.00029	0.99969	0.99967	0.99971	62.31	58.81	65.91
13	0.00032	0.00036	0.00027	0.99968	0.99964	0.99973	61.33	57.83	64.93
14	0.00032	0.00036	0.00027	0.99968	0.99964	0.99973	60.35	56.85	63.95
15	0.00038	0.00047	0.00028	0.99962	0.99953	0.99972	59.37	55.87	62.96
16	0.00047	0.00062	0.00031	0.99953	0.99938	0.99969	58.39	54.90	61.98
17	0.00060	0.00086	0.00033	0.99940	0.99914	0.99967	57.42	53.93	61.00
18	0.00064	0.00085	0.00042	0.99936	0.99915	0.99958	56.45	52.98	60.02
19	0.00070	0.00094	0.00044	0.99930	0.99906	0.99956	55.49	52.02	59.04
20	0.00068	0.00101	0.00034	0.99932	0.99899	0.99966	54.53	51.07	58.07
21	0.00072	0.00104	0.00038	0.99928	0.99896	0.99962	53.56	50.12	57.09
22	0.00071	0.00104	0.00036	0.99929	0.99896	0.99964	52.60	49.17	56.11
23	0.00075	0.00114	0.00035	0.99925	0.99886	0.99965	51.64	48.23	55.13
24	0.00080	0.00116	0.00042	0.99920	0.99884	0.99958	50.68	47.28	54.15
25	0.00093	0.00137	0.00047	0.99907	0.99863	0.99953	49.72	46.33	53.17
26	0.00089	0.00127	0.00048	0.99911	0.99873	0.99952	48.76	45.40	52.20
27	0.00092	0.00142	0.00039	0.99908	0.99858	0.99961	47.80	44.45	51.22
28	0.00091	0.00130	0.00050	0.99909	0.99870	0.99950	46.85	43.52	50.24
29	0.00093	0.00126	0.00058	0.99907	0.99874	0.99942	45.89	42.57	49.27
30	0.00099	0.00140	0.00056	0.99901	0.99860	0.99944	44.93	41.63	48.30
31	0.00097	0.00133	0.00059	0.99903	0.99867	0.99941	43.98	40.68	47.32
32	0.00107	0.00148	0.00064	0.99893	0.99852	0.99936	43.02	39.74	46.35
33	0.00117	0.00171	0.00061	0.99883	0.99829	0.99939	42.06	38.80	45.38
34	0.00133	0.00166	0.00099	0.99867	0.99834	0.99901	41.11	37.86	44.41
35	0.00129	0.00163	0.00094	0.99871	0.99837	0.99906	40.17	36.92	43.45
36	0.00159	0.00209	0.00108	0.99841	0.99791	0.99892	39.22	35.98	42.49
37	0.00166	0.00232	0.00097	0.99834	0.99768	0.99903	38.28	35.06	41.54
38	0.00170	0.00225	0.00114	0.99830	0.99775	0.99886	37.34	34.14	40.58
39	0.00198	0.00274	0.00120	0.99802	0.99726	0.99880	36.41	33.21	39.62
40	0.00211	0.00304	0.00117	0.99789	0.99696	0.99883	35.48	32.30	38.67
41	0.00222	0.00309	0.00134	0.99778	0.99691	0.99866	34.55	31.40	37.71
42	0.00270	0.00379	0.00158	0.99730	0.99621	0.99842	33.63	30.50	36.76
43	0.00300	0.00407	0.00193	0.99700	0.99593	0.99807	32.72	29.61	35.82
44	0.00344	0.00471	0.00217	0.99656	0.99529	0.99783	31.81	28.73	34.89

45	0.00388	0.00524	0.00253	0.99612	0.99476	0.99747	30.92	27.86	33.96
46	0.00427	0.00593	0.00262	0.99573	0.99407	0.99738	30.04	27.01	33.05
47	0.00493	0.00691	0.00298	0.99507	0.99309	0.99702	29.17	26.16	32.13
48	0.00527	0.00787	0.00270	0.99473	0.99213	0.99730	28.31	25.34	31.23
49	0.00555	0.00811	0.00305	0.99445	0.99189	0.99695	27.46	24.54	30.31
50	0.00652	0.00942	0.00373	0.99348	0.99058	0.99627	26.61	23.74	29.40
51	0.00720	0.01067	0.00387	0.99280	0.98933	0.99613	25.78	22.96	28.51
52	0.00748	0.01093	0.00421	0.99252	0.98907	0.99579	24.96	22.20	27.62
53	0.00867	0.01258	0.00500	0.99133	0.98742	0.99500	24.15	21.44	26.73
54	0.00918	0.01343	0.00522	0.99082	0.98657	0.99478	23.35	20.71	25.87
55	0.01003	0.01467	0.00573	0.98997	0.98533	0.99427	22.56	19.98	25.00
56	0.01074	0.01594	0.00600	0.98926	0.98406	0.99400	21.79	19.27	24.14
57	0.01206	0.01803	0.00667	0.98794	0.98197	0.99333	21.02	18.57	23.28
58	0.01318	0.01953	0.00752	0.98682	0.98047	0.99248	20.27	17.91	22.44
59	0.01329	0.02037	0.00705	0.98671	0.97963	0.99295	19.53	17.25	21.60
60	0.01428	0.02214	0.00745	0.98572	0.97786	0.99255	18.79	16.60	20.75
61	0.01565	0.02370	0.00873	0.98435	0.97630	0.99127	18.05	15.97	19.90
62	0.01692	0.02505	0.01003	0.98308	0.97495	0.98997	17.33	15.34	19.07
63	0.01741	0.02581	0.01041	0.98259	0.97419	0.98959	16.62	14.72	18.26
64	0.01955	0.02929	0.01155	0.98045	0.97071	0.98845	15.91	14.10	17.45
65	0.02126	0.03096	0.01340	0.97874	0.96904	0.98660	15.22	13.51	16.65
66	0.02262	0.03316	0.01422	0.97738	0.96684	0.98578	14.53	12.92	15.87
67	0.02414	0.03465	0.01588	0.97586	0.96535	0.98412	13.86	12.35	15.09
68	0.02545	0.03667	0.01678	0.97455	0.96333	0.98322	13.19	11.78	14.32
69	0.02862	0.03963	0.02030	0.97138	0.96037	0.97970	12.52	11.21	13.56
70	0.03280	0.04521	0.02354	0.96720	0.95479	0.97646	11.87	10.65	12.83
71	0.03560	0.04868	0.02596	0.96440	0.95132	0.97404	11.26	10.13	12.13
72	0.03844	0.05162	0.02884	0.96156	0.94838	0.97116	10.66	9.62	11.44
73	0.04416	0.05765	0.03449	0.95584	0.94235	0.96551	10.06	9.12	10.76
74	0.04824	0.06177	0.03874	0.95176	0.93823	0.96126	9.50	8.64	10.13
75	0.05207	0.06631	0.04224	0.94793	0.93369	0.95776	8.96	8.18	9.51
76	0.05557	0.06979	0.04583	0.94443	0.93021	0.95417	8.43	7.72	8.91
77	0.06348	0.07683	0.05448	0.93652	0.92317	0.94552	7.89	7.27	8.32
78	0.07050	0.08373	0.06171	0.92950	0.91627	0.93829	7.39	6.83	7.77
79	0.07856	0.09266	0.06934	0.92144	0.90734	0.93066	6.92	6.41	7.24
80	0.08824	0.10184	0.07971	0.91176	0.89816	0.92029	6.46	6.01	6.75
81	0.09876	0.11260	0.09030	0.90124	0.88740	0.90970	6.04	5.64	6.29
82	0.11105	0.12605	0.10200	0.88895	0.87395	0.89800	5.65	5.29	5.86
83	0.12119	0.13779	0.11151	0.87881	0.86221	0.88849	5.29	4.98	5.47
84	0.13161	0.14411	0.12456	0.86839	0.85589	0.87544	4.95	4.69	5.09
85	0.14580	0.16177	0.13699	0.85420	0.83823	0.86301	4.62	4.40	4.75
86	0.16181	0.17363	0.15540	0.83819	0.82637	0.84460	4.33	4.16	4.42
87	0.16714	0.17812	0.16118	0.83286	0.82188	0.83882	4.07	3.93	4.14
88	0.18269	0.19190	0.17781	0.81731	0.80613	0.82219	3.79	3.67	3.84
89	0.17747	0.18503	0.17351	0.79408	0.77884	0.80202	3.52	3.44	3.57
90	0.17698	0.19137	0.16937	0.77239	0.76331	0.77703	3.31	3.27	3.33
91	0.23231	0.24181	0.22750	0.75736	0.75248	0.75977	3.14	3.14	3.14
92	0.29082	0.30913	0.28160	0.74590	0.74419	0.74665	2.99	3.01	2.98
93	0.31163	0.33058	0.30209	0.73666	0.73748	0.73610	2.85	2.88	2.83
94	0.25440	0.26143	0.25100	0.72895	0.73185	0.72729	2.70	2.74	2.68
95	0.29668	0.28781	0.30079	0.72233	0.72701	0.71975	2.53	2.57	2.50
96	0.33396	0.34934	0.32660	0.71654	0.72277	0.71316	2.31	2.35	2.29
97	0.29525	0.29604	0.29486	0.71140	0.71900	0.70732	2.04	2.08	2.03
98	0.31197	0.27586	0.33001	0.70678	0.71560	0.70207	1.68	1.70	1.67
99	0.24286	0.21407	0.25727	0.70259	0.71252	0.69732	1.18	1.19	1.17
100+	0.25563	0.22662	0.27047	0.69876	0.70969	0.69297	0.48	0.48	0.48

Urban residence									
0	0.00771	0.00862	0.00676	0.99229	0.99138	0.99324	73.88	70.35	77.38
1	0.00054	0.00056	0.00052	0.99946	0.99944	0.99948	73.46	69.96	76.91
2	0.00028	0.00029	0.00027	0.99972	0.99971	0.99973	72.49	69.00	75.95
3	0.00032	0.00033	0.00031	0.99968	0.99967	0.99969	71.52	68.02	74.97
4	0.00020	0.00023	0.00017	0.99980	0.99977	0.99983	70.54	67.04	73.99
5	0.00030	0.00041	0.00017	0.99970	0.99959	0.99983	69.55	66.06	73.01
6	0.00031	0.00038	0.00023	0.99969	0.99962	0.99977	68.57	65.09	72.02
7	0.00022	0.00018	0.00026	0.99978	0.99982	0.99974	67.59	64.11	71.04
8	0.00019	0.00023	0.00015	0.99981	0.99977	0.99985	66.61	63.12	70.05
9	0.00027	0.00042	0.00011	0.99973	0.99958	0.99989	65.62	62.14	69.06
10	0.00022	0.00022	0.00021	0.99978	0.99978	0.99979	64.64	61.16	68.07
11	0.00024	0.00032	0.00017	0.99976	0.99968	0.99983	63.65	60.18	67.09
12	0.00024	0.00019	0.00030	0.99976	0.99981	0.99970	62.67	59.20	66.10
13	0.00025	0.00031	0.00019	0.99975	0.99969	0.99981	61.68	58.21	65.12
14	0.00029	0.00035	0.00022	0.99971	0.99965	0.99978	60.70	57.22	64.13
15	0.00032	0.00041	0.00022	0.99968	0.99959	0.99978	59.72	56.24	63.14
16	0.00040	0.00052	0.00028	0.99960	0.99948	0.99972	58.73	55.27	62.16
17	0.00058	0.00082	0.00032	0.99942	0.99918	0.99968	57.76	54.30	61.17
18	0.00061	0.00073	0.00049	0.99939	0.99927	0.99951	56.79	53.34	60.19
19	0.00065	0.00088	0.00041	0.99935	0.99912	0.99959	55.83	52.38	59.22
20	0.00058	0.00089	0.00025	0.99942	0.99911	0.99975	54.86	51.42	58.25
21	0.00071	0.00098	0.00042	0.99929	0.99902	0.99958	53.89	50.47	57.26
22	0.00071	0.00107	0.00035	0.99929	0.99893	0.99965	52.93	49.52	56.29
23	0.00066	0.00101	0.00031	0.99934	0.99899	0.99969	51.97	48.57	55.31
24	0.00069	0.00101	0.00036	0.99931	0.99899	0.99964	51.00	47.62	54.32
25	0.00094	0.00140	0.00046	0.99906	0.99860	0.99954	50.04	46.67	53.34
26	0.00078	0.00117	0.00039	0.99922	0.99883	0.99961	49.08	45.73	52.37
27	0.00090	0.00142	0.00037	0.99910	0.99858	0.99963	48.12	44.79	51.39
28	0.00089	0.00131	0.00046	0.99911	0.99869	0.99954	47.16	43.85	50.40
29	0.00090	0.00124	0.00055	0.99910	0.99876	0.99945	46.21	42.90	49.43
30	0.00088	0.00123	0.00051	0.99912	0.99877	0.99949	45.25	41.96	48.45
31	0.00094	0.00125	0.00062	0.99906	0.99875	0.99938	44.29	41.01	47.48
32	0.00097	0.00135	0.00058	0.99903	0.99865	0.99942	43.33	40.06	46.51
33	0.00125	0.00183	0.00067	0.99875	0.99817	0.99933	42.37	39.11	45.54
34	0.00124	0.00152	0.00096	0.99876	0.99848	0.99904	41.42	38.18	44.57
35	0.00118	0.00150	0.00086	0.99882	0.99850	0.99914	40.47	37.24	43.61
36	0.00147	0.00190	0.00104	0.99853	0.99810	0.99896	39.52	36.30	42.64
37	0.00153	0.00213	0.00093	0.99847	0.99787	0.99907	38.58	35.36	41.69
38	0.00156	0.00210	0.00102	0.99844	0.99790	0.99898	37.64	34.44	40.73
39	0.00184	0.00259	0.00109	0.99816	0.99741	0.99891	36.69	33.51	39.77
40	0.00190	0.00263	0.00119	0.99810	0.99737	0.99881	35.76	32.60	38.81
41	0.00197	0.00279	0.00117	0.99803	0.99721	0.99883	34.83	31.68	37.86
42	0.00252	0.00361	0.00146	0.99748	0.99639	0.99854	33.90	30.77	36.90
43	0.00270	0.00355	0.00189	0.99730	0.99645	0.99811	32.98	29.88	35.95
44	0.00333	0.00467	0.00204	0.99667	0.99533	0.99796	32.07	28.98	35.02
45	0.00356	0.00470	0.00248	0.99644	0.99530	0.99752	31.17	28.12	34.09
46	0.00391	0.00536	0.00255	0.99609	0.99464	0.99745	30.28	27.25	33.17
47	0.00464	0.00647	0.00293	0.99536	0.99353	0.99707	29.40	26.39	32.26
48	0.00492	0.00735	0.00265	0.99508	0.99265	0.99735	28.53	25.56	31.35
49	0.00515	0.00746	0.00300	0.99485	0.99254	0.99700	27.67	24.74	30.43
50	0.00596	0.00859	0.00355	0.99404	0.99141	0.99645	26.81	23.93	29.52
51	0.00666	0.00993	0.00368	0.99334	0.99007	0.99632	25.97	23.13	28.63
52	0.00703	0.00997	0.00438	0.99297	0.99003	0.99562	25.14	22.36	27.73
53	0.00797	0.01178	0.00457	0.99203	0.98822	0.99543	24.32	21.58	26.85

54	0.00843	0.01227	0.00502	0.99157	0.98773	0.99498	23.51	20.83	25.97
55	0.00945	0.01360	0.00577	0.99055	0.98640	0.99423	22.70	20.08	25.10
56	0.01027	0.01510	0.00599	0.98973	0.98490	0.99401	21.91	19.35	24.24
57	0.01108	0.01680	0.00608	0.98892	0.98320	0.99392	21.14	18.64	23.38
58	0.01244	0.01846	0.00725	0.98756	0.98154	0.99275	20.37	17.95	22.52
59	0.01265	0.01938	0.00690	0.98735	0.98062	0.99310	19.62	17.28	21.69
60	0.01345	0.02087	0.00718	0.98655	0.97913	0.99282	18.86	16.61	20.83
61	0.01515	0.02296	0.00860	0.98485	0.97704	0.99140	18.11	15.95	19.98
62	0.01619	0.02392	0.00972	0.98381	0.97608	0.99028	17.38	15.31	19.15
63	0.01678	0.02451	0.01033	0.98322	0.97549	0.98967	16.66	14.68	18.33
64	0.01939	0.02945	0.01104	0.98061	0.97055	0.98896	15.94	14.03	17.52
65	0.02104	0.03017	0.01359	0.97896	0.96983	0.98641	15.24	13.44	16.71
66	0.02196	0.03220	0.01379	0.97804	0.96780	0.98621	14.56	12.85	15.93
67	0.02366	0.03350	0.01597	0.97634	0.96650	0.98403	13.88	12.26	15.15
68	0.02595	0.03675	0.01770	0.97405	0.96325	0.98230	13.20	11.66	14.38
69	0.02888	0.04034	0.02040	0.97112	0.95966	0.97960	12.54	11.09	13.63
70	0.03287	0.04540	0.02384	0.96713	0.95460	0.97616	11.90	10.54	12.91
71	0.03575	0.04954	0.02596	0.96425	0.95046	0.97404	11.28	10.01	12.21
72	0.03839	0.05286	0.02834	0.96161	0.94714	0.97166	10.68	9.51	11.52
73	0.04352	0.05731	0.03422	0.95648	0.94269	0.96578	10.09	9.01	10.84
74	0.04771	0.06195	0.03840	0.95229	0.93805	0.96160	9.52	8.53	10.21
75	0.05244	0.06882	0.04196	0.94756	0.93118	0.95804	8.98	8.06	9.60
76	0.05634	0.07233	0.04623	0.94366	0.92767	0.95377	8.45	7.62	8.99
77	0.06304	0.08013	0.05234	0.93696	0.91987	0.94766	7.92	7.17	8.41
78	0.07064	0.08643	0.06083	0.92936	0.91357	0.93917	7.42	6.75	7.84
79	0.07745	0.09387	0.06732	0.92255	0.90613	0.93268	6.94	6.34	7.32
80	0.08774	0.10353	0.07830	0.91226	0.89647	0.92170	6.48	5.95	6.81
81	0.09761	0.11260	0.08884	0.90239	0.88740	0.91116	6.06	5.58	6.34
82	0.11006	0.12623	0.10077	0.88994	0.87377	0.89923	5.66	5.22	5.91
83	0.12104	0.14284	0.10897	0.87896	0.85716	0.89103	5.30	4.91	5.52
84	0.13069	0.14631	0.12236	0.86931	0.85369	0.87764	4.96	4.64	5.14
85	0.14435	0.16199	0.13518	0.85565	0.83801	0.86482	4.63	4.35	4.78
86	0.16116	0.17552	0.15387	0.83884	0.82448	0.84613	4.33	4.10	4.45
87	0.16433	0.18114	0.15553	0.83567	0.81886	0.84447	4.07	3.87	4.17
88	0.18071	0.19052	0.17569	0.81929	0.80948	0.82431	3.77	3.62	3.85
89	0.17816	0.18946	0.17248	0.79773	0.77967	0.80687	3.49	3.35	3.56
90	0.17668	0.19211	0.16893	0.77188	0.75904	0.77811	3.26	3.16	3.30
91	0.23511	0.24333	0.23107	0.75405	0.74473	0.75833	3.07	3.01	3.10
92	0.29350	0.31203	0.28453	0.74051	0.73382	0.74334	2.92	2.88	2.93
93	0.30679	0.33232	0.29460	0.72962	0.72503	0.73131	2.77	2.75	2.78
94	0.24488	0.26579	0.23549	0.72054	0.71767	0.72128	2.62	2.61	2.63
95	0.28273	0.27163	0.28747	0.71277	0.71136	0.71272	2.46	2.45	2.46
96	0.34112	0.36656	0.32973	0.70598	0.70584	0.70524	2.25	2.26	2.25
97	0.30966	0.34914	0.29025	0.69997	0.70094	0.69862	2.00	2.00	2.00
98	0.36652	0.34875	0.37479	0.69457	0.69654	0.69269	1.65	1.65	1.66
99	0.25979	0.22785	0.27523	0.68968	0.69254	0.68731	1.17	1.17	1.18
100+	0.26485	0.21352	0.29222	0.68521	0.68888	0.68241	0.48	0.48	0.48
Rural residence									
0	0.01124	0.01146	0.01102	0.98876	0.98854	0.98898	72.22	68.66	76.27
1	0.00091	0.00100	0.00081	0.99909	0.99900	0.99919	72.04	68.45	76.12
2	0.00061	0.00070	0.00051	0.99939	0.99930	0.99949	71.10	67.52	75.18
3	0.00050	0.00039	0.00062	0.99950	0.99961	0.99938	70.15	66.57	74.22
4	0.00056	0.00040	0.00073	0.99944	0.99960	0.99927	69.18	65.59	73.27
5	0.00030	0.00031	0.00028	0.99970	0.99969	0.99972	68.22	64.62	72.32
6	0.00035	0.00032	0.00039	0.99965	0.99968	0.99961	67.24	63.64	71.34

7	0.00032	0.00036	0.00027	0.99968	0.99964	0.99973	66.27	62.66	70.37
8	0.00033	0.00040	0.00026	0.99967	0.99960	0.99974	65.29	61.68	69.39
9	0.00041	0.00050	0.00032	0.99959	0.99950	0.99968	64.31	60.71	68.41
10	0.00019	0.00016	0.00023	0.99981	0.99984	0.99977	63.33	59.74	67.43
11	0.00030	0.00048	0.00011	0.99970	0.99952	0.99989	62.35	58.75	66.44
12	0.00046	0.00065	0.00027	0.99954	0.99935	0.99973	61.36	57.77	65.45
13	0.00046	0.00048	0.00045	0.99954	0.99952	0.99955	60.39	56.81	64.47
14	0.00039	0.00040	0.00037	0.99961	0.99960	0.99963	59.42	55.84	63.50
15	0.00052	0.00063	0.00040	0.99948	0.99937	0.99960	58.44	54.86	62.52
16	0.00064	0.00087	0.00039	0.99936	0.99913	0.99961	57.47	53.90	61.54
17	0.00065	0.00094	0.00033	0.99935	0.99906	0.99967	56.51	52.94	60.57
18	0.00072	0.00117	0.00024	0.99928	0.99883	0.99976	55.55	51.99	59.59
19	0.00083	0.00112	0.00052	0.99917	0.99888	0.99948	54.59	51.05	58.60
20	0.00099	0.00133	0.00061	0.99901	0.99867	0.99939	53.63	50.11	57.63
21	0.00077	0.00123	0.00025	0.99923	0.99877	0.99975	52.68	49.17	56.67
22	0.00069	0.00095	0.00040	0.99931	0.99905	0.99960	51.72	48.23	55.68
23	0.00109	0.00161	0.00052	0.99891	0.99839	0.99948	50.76	47.28	54.70
24	0.00120	0.00172	0.00063	0.99880	0.99828	0.99937	49.81	46.35	53.73
25	0.00090	0.00125	0.00052	0.99910	0.99875	0.99948	48.87	45.43	52.76
26	0.00124	0.00160	0.00082	0.99876	0.99840	0.99918	47.92	44.49	51.79
27	0.00099	0.00143	0.00045	0.99901	0.99857	0.99955	46.98	43.56	50.83
28	0.00098	0.00125	0.00066	0.99902	0.99875	0.99934	46.02	42.62	49.86
29	0.00104	0.00134	0.00068	0.99896	0.99866	0.99932	45.07	41.67	48.89
30	0.00138	0.00194	0.00075	0.99862	0.99806	0.99925	44.11	40.73	47.92
31	0.00108	0.00160	0.00049	0.99892	0.99840	0.99951	43.17	39.81	46.96
32	0.00141	0.00193	0.00083	0.99859	0.99807	0.99917	42.22	38.87	45.98
33	0.00087	0.00131	0.00039	0.99913	0.99869	0.99961	41.28	37.95	45.02
34	0.00164	0.00210	0.00113	0.99836	0.99790	0.99887	40.31	36.99	44.04
35	0.00163	0.00202	0.00120	0.99837	0.99798	0.99880	39.38	36.07	43.09
36	0.00198	0.00262	0.00123	0.99802	0.99738	0.99877	38.44	35.14	42.14
37	0.00205	0.00287	0.00110	0.99795	0.99713	0.99890	37.52	34.23	41.19
38	0.00214	0.00266	0.00153	0.99786	0.99734	0.99847	36.59	33.33	40.23
39	0.00240	0.00314	0.00155	0.99760	0.99686	0.99845	35.67	32.42	39.29
40	0.00275	0.00418	0.00113	0.99725	0.99582	0.99887	34.76	31.52	38.35
41	0.00297	0.00391	0.00189	0.99703	0.99609	0.99811	33.85	30.65	37.40
42	0.00322	0.00428	0.00199	0.99678	0.99572	0.99801	32.95	29.77	36.47
43	0.00387	0.00545	0.00205	0.99613	0.99455	0.99795	32.06	28.89	35.54
44	0.00378	0.00482	0.00259	0.99622	0.99518	0.99741	31.18	28.05	34.61
45	0.00482	0.00666	0.00270	0.99518	0.99334	0.99730	30.29	27.18	33.70
46	0.00530	0.00744	0.00284	0.99470	0.99256	0.99716	29.44	26.36	32.79
47	0.00578	0.00806	0.00315	0.99422	0.99194	0.99685	28.59	25.56	31.88
48	0.00628	0.00924	0.00286	0.99372	0.99076	0.99714	27.76	24.76	30.98
49	0.00672	0.00982	0.00318	0.99328	0.99018	0.99682	26.93	23.99	30.07
50	0.00815	0.01158	0.00431	0.99185	0.98842	0.99569	26.11	23.22	29.16
51	0.00874	0.01260	0.00447	0.99126	0.98740	0.99553	25.32	22.48	28.28
52	0.00875	0.01342	0.00368	0.99125	0.98658	0.99632	24.54	21.76	27.41
53	0.01064	0.01463	0.00633	0.98936	0.98537	0.99367	23.75	21.05	26.51
54	0.01127	0.01635	0.00583	0.98873	0.98365	0.99417	23.00	20.36	25.67
55	0.01161	0.01738	0.00561	0.98839	0.98262	0.99439	22.25	19.69	24.82
56	0.01203	0.01805	0.00602	0.98797	0.98195	0.99398	21.51	19.03	23.96
57	0.01462	0.02107	0.00830	0.98538	0.97893	0.99170	20.77	18.37	23.10
58	0.01504	0.02207	0.00823	0.98496	0.97793	0.99177	20.07	17.75	22.29
59	0.01483	0.02261	0.00743	0.98517	0.97739	0.99257	19.36	17.14	21.47
60	0.01621	0.02490	0.00810	0.98379	0.97510	0.99190	18.65	16.53	20.63
61	0.01676	0.02526	0.00904	0.98324	0.97474	0.99096	17.95	15.94	19.79
62	0.01844	0.02734	0.01067	0.98156	0.97266	0.98933	17.24	15.34	18.97

63	0.01861	0.02827	0.01055	0.98139	0.97173	0.98945	16.56	14.75	18.17
64	0.01984	0.02901	0.01244	0.98016	0.97099	0.98756	15.86	14.17	17.36
65	0.02162	0.03230	0.01308	0.97838	0.96770	0.98692	15.17	13.58	16.57
66	0.02366	0.03466	0.01489	0.97634	0.96534	0.98511	14.50	13.01	15.78
67	0.02484	0.03632	0.01576	0.97516	0.96368	0.98424	13.84	12.46	15.01
68	0.02474	0.03656	0.01546	0.97526	0.96344	0.98454	13.18	11.91	14.24
69	0.02827	0.03867	0.02016	0.97173	0.96133	0.97984	12.50	11.35	13.46
70	0.03269	0.04496	0.02312	0.96731	0.95504	0.97688	11.85	10.78	12.73
71	0.03541	0.04759	0.02596	0.96459	0.95241	0.97404	11.23	10.27	12.02
72	0.03850	0.05010	0.02953	0.96150	0.94990	0.97047	10.62	9.75	11.32
73	0.04496	0.05806	0.03485	0.95504	0.94194	0.96515	10.03	9.24	10.65
74	0.04890	0.06156	0.03919	0.95110	0.93844	0.96081	9.48	8.78	10.02
75	0.05161	0.06351	0.04261	0.94839	0.93649	0.95739	8.94	8.32	9.40
76	0.05460	0.06693	0.04530	0.94540	0.93307	0.95470	8.40	7.85	8.80
77	0.06404	0.07301	0.05739	0.93596	0.92699	0.94261	7.86	7.38	8.19
78	0.07033	0.08051	0.06293	0.92967	0.91949	0.93707	7.36	6.92	7.66
79	0.08003	0.09119	0.07216	0.91997	0.90881	0.92784	6.88	6.49	7.14
80	0.08890	0.09976	0.08165	0.91110	0.90024	0.91835	6.43	6.09	6.66
81	0.10025	0.11259	0.09227	0.89975	0.88741	0.90773	6.01	5.71	6.21
82	0.11230	0.12583	0.10362	0.88770	0.87417	0.89638	5.62	5.37	5.79
83	0.12138	0.13189	0.11484	0.87862	0.86811	0.88516	5.27	5.07	5.40
84	0.13277	0.14155	0.12746	0.86723	0.85845	0.87254	4.93	4.76	5.03
85	0.14765	0.16150	0.13940	0.85235	0.83850	0.86060	4.61	4.47	4.70
86	0.16263	0.17143	0.15745	0.83737	0.82857	0.84255	4.32	4.23	4.38
87	0.17069	0.17450	0.16852	0.82931	0.82550	0.83148	4.07	4.00	4.10
88	0.18519	0.19356	0.18056	0.81481	0.80644	0.81944	3.80	3.75	3.83
89	0.17659	0.17973	0.17486	0.79021	0.77838	0.79666	3.55	3.53	3.57
90	0.17735	0.19051	0.16996	0.77278	0.76784	0.77547	3.37	3.40	3.35
91	0.22872	0.23995	0.22282	0.76065	0.76044	0.76077	3.22	3.28	3.19
92	0.28739	0.30564	0.27772	0.75137	0.75476	0.74956	3.08	3.16	3.04
93	0.31749	0.32863	0.31152	0.74388	0.75014	0.74053	2.94	3.03	2.89
94	0.26560	0.25681	0.27020	0.73760	0.74627	0.73298	2.78	2.88	2.73
95	0.31300	0.30462	0.31726	0.73220	0.74292	0.72650	2.60	2.69	2.56
96	0.32558	0.33106	0.32275	0.72747	0.73999	0.72083	2.38	2.46	2.34
97	0.27833	0.23350	0.30025	0.72327	0.73737	0.71579	2.09	2.15	2.06
98	0.24935	0.20000	0.27600	0.71949	0.73501	0.71127	1.71	1.75	1.69
99	0.22626	0.20118	0.23926	0.71605	0.73286	0.70717	1.20	1.21	1.19
100+	0.24671	0.24000	0.25000	0.71291	0.73089	0.70341	0.48	0.48	0.48