

National Statistical Institute NSI, Republic of Bulgaria; Mortality and Life Expectancy by Sex and place of residence for the 2001 - 2003 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 2001-2003 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	0.01319	0.01460	0.01167	0.98681	0.98540	0.98833	72.07	68.68	75.59
1	0.00108	0.00127	0.00087	0.99892	0.99873	0.99913	72.03	68.70	75.48
2	0.00063	0.00055	0.00071	0.99937	0.99945	0.99929	71.11	67.79	74.54
3	0.00037	0.00038	0.00037	0.99963	0.99962	0.99963	70.15	66.82	73.60
4	0.00034	0.00032	0.00037	0.99966	0.99968	0.99963	69.18	65.85	72.63
5	0.00032	0.00033	0.00030	0.99968	0.99967	0.99970	68.20	64.87	71.65
6	0.00027	0.00030	0.00024	0.99973	0.99970	0.99976	67.23	63.89	70.67
7	0.00030	0.00039	0.00021	0.99970	0.99961	0.99979	66.24	62.91	69.69
8	0.00025	0.00028	0.00021	0.99975	0.99972	0.99979	65.26	61.93	68.71
9	0.00031	0.00039	0.00022	0.99969	0.99961	0.99978	64.28	60.95	67.72
10	0.00020	0.00029	0.00010	0.99980	0.99971	0.99990	63.30	59.97	66.73
11	0.00029	0.00042	0.00016	0.99971	0.99958	0.99984	62.31	58.99	65.74
12	0.00029	0.00034	0.00024	0.99971	0.99966	0.99976	61.33	58.02	64.75
13	0.00027	0.00029	0.00024	0.99973	0.99971	0.99976	60.35	57.04	63.77
14	0.00031	0.00041	0.00021	0.99969	0.99959	0.99979	59.36	56.05	62.78
15	0.00032	0.00041	0.00023	0.99968	0.99959	0.99977	58.38	55.07	61.80
16	0.00041	0.00060	0.00020	0.99959	0.99940	0.99980	57.40	54.10	60.81
17	0.00047	0.00063	0.00030	0.99953	0.99937	0.99970	56.42	53.13	59.82
18	0.00052	0.00074	0.00028	0.99948	0.99926	0.99972	55.45	52.16	58.84
19	0.00071	0.00098	0.00043	0.99929	0.99902	0.99957	54.48	51.20	57.86
20	0.00085	0.00117	0.00051	0.99915	0.99883	0.99949	53.52	50.25	56.88
21	0.00079	0.00114	0.00041	0.99921	0.99886	0.99959	52.56	49.31	55.91
22	0.00076	0.00110	0.00041	0.99924	0.99890	0.99959	51.60	48.36	54.93
23	0.00079	0.00115	0.00041	0.99921	0.99885	0.99959	50.64	47.42	53.95
24	0.00080	0.00112	0.00047	0.99920	0.99888	0.99953	49.68	46.47	52.98
25	0.00085	0.00119	0.00050	0.99915	0.99881	0.99950	48.72	45.52	52.00
26	0.00077	0.00110	0.00043	0.99923	0.99890	0.99957	47.76	44.58	51.03
27	0.00085	0.00122	0.00046	0.99915	0.99878	0.99954	46.80	43.62	50.05
28	0.00093	0.00128	0.00057	0.99907	0.99872	0.99943	45.84	42.68	49.07
29	0.00094	0.00132	0.00056	0.99906	0.99868	0.99944	44.88	41.73	48.10
30	0.00101	0.00142	0.00057	0.99899	0.99858	0.99943	43.92	40.79	47.13
31	0.00106	0.00148	0.00063	0.99894	0.99852	0.99937	42.97	39.84	46.15
32	0.00116	0.00154	0.00076	0.99884	0.99846	0.99924	42.01	38.90	45.18
33	0.00136	0.00181	0.00089	0.99864	0.99819	0.99911	41.06	37.96	44.21
34	0.00141	0.00182	0.00099	0.99859	0.99818	0.99901	40.11	37.03	43.25
35	0.00131	0.00175	0.00086	0.99869	0.99825	0.99914	39.17	36.09	42.30
36	0.00181	0.00245	0.00115	0.99819	0.99755	0.99885	38.22	35.16	41.33
37	0.00194	0.00258	0.00129	0.99806	0.99742	0.99871	37.29	34.24	40.38
38	0.00203	0.00270	0.00135	0.99797	0.99730	0.99865	36.36	33.33	39.43
39	0.00236	0.00322	0.00149	0.99764	0.99678	0.99851	35.43	32.42	38.48
40	0.00252	0.00335	0.00168	0.99748	0.99665	0.99832	34.52	31.52	37.54
41	0.00280	0.00396	0.00163	0.99720	0.99604	0.99837	33.60	30.63	36.60
42	0.00304	0.00440	0.00168	0.99696	0.99560	0.99832	32.69	29.75	35.66
43	0.00364	0.00524	0.00205	0.99636	0.99476	0.99795	31.79	28.87	34.72
44	0.00403	0.00587	0.00221	0.99597	0.99413	0.99779	30.91	28.02	33.79

45	0.00429	0.00594	0.00267	0.99571	0.99406	0.99733	30.03	27.19	32.86
46	0.00474	0.00685	0.00268	0.99526	0.99315	0.99732	29.16	26.35	31.95
47	0.00509	0.00720	0.00305	0.99491	0.99280	0.99695	28.29	25.52	31.04
48	0.00572	0.00825	0.00326	0.99428	0.99175	0.99674	27.44	24.71	30.13
49	0.00629	0.00926	0.00342	0.99371	0.99074	0.99658	26.59	23.91	29.23
50	0.00683	0.00990	0.00391	0.99317	0.99010	0.99609	25.76	23.13	28.32
51	0.00775	0.01144	0.00425	0.99225	0.98856	0.99575	24.93	22.35	27.43
52	0.00849	0.01227	0.00492	0.99151	0.98773	0.99508	24.12	21.60	26.55
53	0.00908	0.01364	0.00479	0.99092	0.98636	0.99521	23.32	20.87	25.68
54	0.00958	0.01426	0.00523	0.99042	0.98574	0.99477	22.53	20.15	24.80
55	0.01008	0.01441	0.00607	0.98992	0.98559	0.99393	21.74	19.43	23.93
56	0.01091	0.01601	0.00623	0.98909	0.98399	0.99377	20.96	18.71	23.07
57	0.01170	0.01717	0.00675	0.98830	0.98283	0.99325	20.19	18.01	22.21
58	0.01336	0.01982	0.00757	0.98664	0.98018	0.99243	19.42	17.31	21.36
59	0.01389	0.02074	0.00781	0.98611	0.97926	0.99219	18.68	16.65	20.52
60	0.01546	0.02260	0.00918	0.98454	0.97740	0.99082	17.93	15.99	19.67
61	0.01602	0.02369	0.00935	0.98398	0.97631	0.99065	17.21	15.35	18.85
62	0.01767	0.02551	0.01093	0.98233	0.97449	0.98907	16.48	14.71	18.02
63	0.02021	0.02943	0.01240	0.97979	0.97057	0.98760	15.76	14.08	17.22
64	0.02158	0.03040	0.01419	0.97842	0.96960	0.98581	15.08	13.50	16.43
65	0.02441	0.03396	0.01645	0.97559	0.96604	0.98355	14.40	12.90	15.66
66	0.02468	0.03420	0.01685	0.97532	0.96580	0.98315	13.75	12.34	14.91
67	0.02749	0.03764	0.01923	0.97251	0.96236	0.98077	13.08	11.76	14.16
68	0.03035	0.04044	0.02224	0.96965	0.95956	0.97776	12.44	11.20	13.42
69	0.03229	0.04369	0.02325	0.96771	0.95631	0.97675	11.81	10.65	12.72
70	0.03554	0.04697	0.02655	0.96446	0.95303	0.97345	11.19	10.11	12.01
71	0.03889	0.05058	0.02979	0.96111	0.94942	0.97021	10.58	9.59	11.32
72	0.04279	0.05501	0.03344	0.95721	0.94499	0.96656	9.99	9.07	10.65
73	0.04770	0.05919	0.03907	0.95230	0.94081	0.96093	9.42	8.57	10.01
74	0.05367	0.06621	0.04448	0.94633	0.93379	0.95552	8.86	8.08	9.39
75	0.06078	0.07410	0.05124	0.93922	0.92590	0.94876	8.34	7.61	8.81
76	0.06681	0.07975	0.05767	0.93319	0.92025	0.94233	7.84	7.18	8.25
77	0.07244	0.08731	0.06217	0.92756	0.91269	0.93783	7.37	6.76	7.73
78	0.07961	0.09247	0.07105	0.92039	0.90753	0.92895	6.90	6.36	7.21
79	0.08704	0.09857	0.07963	0.91296	0.90143	0.92037	6.46	5.96	6.72
80	0.09977	0.11502	0.09015	0.90023	0.88498	0.90985	6.03	5.55	6.26
81	0.10852	0.12253	0.09977	0.89148	0.87747	0.90023	5.64	5.21	5.83
82	0.11587	0.13187	0.10594	0.88413	0.86813	0.89406	5.26	4.87	5.42
83	0.11658	0.12668	0.10896	0.88342	0.87332	0.89104	4.89	4.53	5.00
84	0.11906	0.13453	0.11573	0.88094	0.86547	0.88427	4.47	4.12	4.55
85	0.15561	0.16787	0.14818	0.84439	0.83213	0.85182	4.01	3.68	4.08
86	0.20962	0.22558	0.20011	0.79038	0.77442	0.79989	3.65	3.32	3.70
87	0.21160	0.24100	0.21676	0.78840	0.75900	0.78324	3.49	3.15	3.51
88	0.22573	0.26862	0.22821	0.77427	0.73138	0.77179	3.29	2.99	3.34
89	0.24199	0.26911	0.23700	0.75801	0.73089	0.76300	3.11	2.91	3.19
90	0.25322	0.27053	0.24383	0.74678	0.72947	0.75617	2.95	2.81	3.03
91	0.25742	0.27169	0.25053	0.74258	0.72831	0.74947	2.79	2.68	2.85
92	0.27575	0.28902	0.26875	0.72425	0.71098	0.73125	2.59	2.50	2.64
93	0.30633	0.32248	0.29811	0.69367	0.67752	0.70189	2.40	2.32	2.43
94	0.32900	0.33318	0.32692	0.67100	0.66682	0.67308	2.24	2.20	2.26
95	0.33872	0.34000	0.33810	0.66128	0.66000	0.66190	2.11	2.07	2.13
96	0.33870	0.36158	0.34164	0.66130	0.63842	0.65836	1.95	1.89	1.98
97	0.37479	0.37218	0.35209	0.62521	0.62782	0.64791	1.71	1.70	1.76
98	0.38040	0.38202	0.37984	0.61960	0.61798	0.62016	1.46	1.44	1.47
99	0.39783	0.43114	0.39204	0.60217	0.56886	0.60796	1.07	1.04	1.08
100+	0.47153	0.54167	0.44320	0.52847	0.45833	0.55680	0.47	0.47	0.47

Urban residence									
0	0.01188	0.01332	0.01033	0.98812	0.98668	0.98967	72.47	69.08	75.85
1	0.00075	0.00088	0.00060	0.99925	0.99912	0.99940	72.34	69.01	75.64
2	0.00044	0.00032	0.00056	0.99956	0.99968	0.99944	71.39	68.07	74.69
3	0.00031	0.00036	0.00026	0.99969	0.99964	0.99974	70.42	67.09	73.73
4	0.00025	0.00024	0.00026	0.99975	0.99976	0.99974	69.45	66.12	72.75
5	0.00026	0.00025	0.00027	0.99974	0.99975	0.99973	68.46	65.13	71.77
6	0.00026	0.00026	0.00025	0.99974	0.99974	0.99975	67.48	64.15	70.79
7	0.00026	0.00031	0.00020	0.99974	0.99969	0.99980	66.50	63.17	69.81
8	0.00020	0.00021	0.00018	0.99980	0.99979	0.99982	65.52	62.19	68.82
9	0.00021	0.00023	0.00019	0.99979	0.99977	0.99981	64.53	61.20	67.83
10	0.00017	0.00027	0.00007	0.99983	0.99973	0.99993	63.54	60.21	66.84
11	0.00028	0.00039	0.00016	0.99972	0.99961	0.99984	62.55	59.23	65.86
12	0.00027	0.00035	0.00018	0.99973	0.99965	0.99982	61.57	58.25	64.87
13	0.00023	0.00026	0.00020	0.99977	0.99974	0.99980	60.59	57.27	63.88
14	0.00029	0.00038	0.00019	0.99971	0.99962	0.99981	59.60	56.29	62.89
15	0.00029	0.00037	0.00021	0.99971	0.99963	0.99979	58.62	55.31	61.90
16	0.00041	0.00062	0.00019	0.99959	0.99938	0.99981	57.63	54.33	60.92
17	0.00042	0.00057	0.00027	0.99958	0.99943	0.99973	56.66	53.36	59.93
18	0.00051	0.00074	0.00027	0.99949	0.99926	0.99973	55.68	52.39	58.94
19	0.00062	0.00083	0.00041	0.99938	0.99917	0.99959	54.71	51.43	57.96
20	0.00080	0.00112	0.00046	0.99920	0.99888	0.99954	53.74	50.47	56.98
21	0.00081	0.00122	0.00040	0.99919	0.99878	0.99960	52.79	49.53	56.01
22	0.00069	0.00106	0.00031	0.99931	0.99894	0.99969	51.83	48.59	55.03
23	0.00075	0.00109	0.00041	0.99925	0.99891	0.99959	50.86	47.64	54.05
24	0.00078	0.00110	0.00046	0.99922	0.99890	0.99954	49.90	46.69	53.07
25	0.00085	0.00116	0.00053	0.99915	0.99884	0.99947	48.94	45.74	52.09
26	0.00068	0.00096	0.00039	0.99932	0.99904	0.99961	47.98	44.80	51.12
27	0.00088	0.00129	0.00046	0.99912	0.99871	0.99954	47.01	43.84	50.14
28	0.00092	0.00125	0.00059	0.99908	0.99875	0.99941	46.05	42.89	49.16
29	0.00079	0.00109	0.00049	0.99921	0.99891	0.99951	45.10	41.95	48.19
30	0.00093	0.00135	0.00052	0.99907	0.99865	0.99948	44.13	40.99	47.22
31	0.00101	0.00136	0.00065	0.99899	0.99864	0.99935	43.17	40.05	46.24
32	0.00109	0.00144	0.00075	0.99891	0.99856	0.99925	42.22	39.10	45.27
33	0.00127	0.00162	0.00091	0.99873	0.99838	0.99909	41.26	38.16	44.30
34	0.00127	0.00175	0.00080	0.99873	0.99825	0.99920	40.31	37.22	43.34
35	0.00121	0.00158	0.00085	0.99879	0.99842	0.99915	39.36	36.28	42.38
36	0.00174	0.00244	0.00105	0.99826	0.99756	0.99895	38.41	35.34	41.41
37	0.00171	0.00231	0.00113	0.99829	0.99769	0.99887	37.48	34.42	40.46
38	0.00174	0.00227	0.00123	0.99826	0.99773	0.99877	36.54	33.50	39.50
39	0.00214	0.00287	0.00145	0.99786	0.99713	0.99855	35.60	32.58	38.55
40	0.00226	0.00291	0.00164	0.99774	0.99709	0.99836	34.68	31.67	37.60
41	0.00247	0.00344	0.00154	0.99753	0.99656	0.99846	33.76	30.76	36.67
42	0.00283	0.00405	0.00168	0.99717	0.99595	0.99832	32.84	29.86	35.72
43	0.00338	0.00485	0.00199	0.99662	0.99515	0.99801	31.93	28.98	34.78
44	0.00372	0.00544	0.00210	0.99628	0.99456	0.99790	31.04	28.12	33.85
45	0.00395	0.00541	0.00259	0.99605	0.99459	0.99741	30.15	27.27	32.92
46	0.00442	0.00629	0.00267	0.99558	0.99371	0.99733	29.27	26.42	32.00
47	0.00479	0.00666	0.00307	0.99521	0.99334	0.99693	28.40	25.58	31.09
48	0.00527	0.00748	0.00323	0.99473	0.99252	0.99677	27.53	24.75	30.18
49	0.00583	0.00861	0.00325	0.99417	0.99139	0.99675	26.67	23.93	29.28
50	0.00642	0.00913	0.00392	0.99358	0.99087	0.99608	25.83	23.14	28.37

51	0.00722	0.01047	0.00423	0.99278	0.98953	0.99577	24.99	22.35	27.48
52	0.00809	0.01159	0.00488	0.99191	0.98841	0.99512	24.17	21.58	26.60
53	0.00872	0.01308	0.00474	0.99128	0.98692	0.99526	23.36	20.82	25.72
54	0.00916	0.01356	0.00517	0.99084	0.98644	0.99483	22.56	20.09	24.84
55	0.00978	0.01399	0.00597	0.99022	0.98601	0.99403	21.77	19.36	23.97
56	0.01034	0.01510	0.00604	0.98966	0.98490	0.99396	20.98	18.63	23.11
57	0.01136	0.01659	0.00662	0.98864	0.98341	0.99338	20.19	17.91	22.25
58	0.01304	0.01902	0.00760	0.98696	0.98098	0.99240	19.42	17.20	21.39
59	0.01352	0.02049	0.00724	0.98648	0.97951	0.99276	18.67	16.53	20.55
60	0.01540	0.02234	0.00924	0.98460	0.97766	0.99076	17.92	15.86	19.70
61	0.01559	0.02330	0.00883	0.98441	0.97670	0.99117	17.19	15.21	18.88
62	0.01782	0.02567	0.01101	0.98218	0.97433	0.98899	16.45	14.56	18.04
63	0.02107	0.03051	0.01308	0.97893	0.96949	0.98692	15.74	13.93	17.24
64	0.02186	0.03083	0.01445	0.97814	0.96917	0.98555	15.07	13.36	16.46
65	0.02465	0.03423	0.01685	0.97535	0.96577	0.98315	14.39	12.76	15.69
66	0.02503	0.03436	0.01758	0.97497	0.96564	0.98242	13.75	12.20	14.95
67	0.02703	0.03701	0.01925	0.97297	0.96299	0.98075	13.09	11.61	14.21
68	0.03148	0.04159	0.02380	0.96852	0.95841	0.97620	12.44	11.04	13.48
69	0.03245	0.04527	0.02285	0.96755	0.95473	0.97715	11.82	10.50	12.80
70	0.03623	0.04977	0.02617	0.96377	0.95023	0.97383	11.20	9.97	12.08
71	0.03972	0.05216	0.03055	0.96028	0.94784	0.96945	10.60	9.47	11.40
72	0.04375	0.05706	0.03401	0.95625	0.94294	0.96599	10.02	8.96	10.74
73	0.04755	0.06061	0.03810	0.95245	0.93939	0.96190	9.46	8.47	10.10
74	0.05364	0.06641	0.04457	0.94636	0.93359	0.95543	8.91	7.99	9.48
75	0.06101	0.07427	0.05178	0.93899	0.92573	0.94822	8.38	7.52	8.90
76	0.06696	0.08152	0.05698	0.93304	0.91848	0.94302	7.89	7.08	8.36
77	0.07411	0.09039	0.06320	0.92589	0.90961	0.93680	7.42	6.67	7.83
78	0.07825	0.09325	0.06861	0.92175	0.90675	0.93139	6.98	6.28	7.32
79	0.08622	0.09866	0.07855	0.91378	0.90134	0.92145	6.53	5.88	6.83
80	0.09835	0.11637	0.08744	0.90165	0.88363	0.91256	6.10	5.47	6.37
81	0.10685	0.12370	0.09666	0.89315	0.87630	0.90334	5.71	5.12	5.93
82	0.11457	0.13160	0.10431	0.88543	0.86840	0.89569	5.33	4.77	5.51
83	0.11030	0.14313	0.10729	0.88970	0.85687	0.89271	4.96	4.42	5.09
84	0.11679	0.15761	0.11059	0.88321	0.84239	0.88941	4.51	4.08	4.65
85	0.15222	0.16915	0.14241	0.84778	0.83085	0.85759	4.04	3.75	4.16
86	0.20426	0.22220	0.19410	0.79574	0.77780	0.80590	3.67	3.41	3.77
87	0.21918	0.23283	0.21162	0.78082	0.76717	0.78838	3.49	3.24	3.55
88	0.22729	0.24912	0.22410	0.77271	0.75088	0.77590	3.33	3.08	3.37
89	0.23524	0.25964	0.23299	0.76476	0.74036	0.76701	3.17	2.94	3.21
90	0.25228	0.27239	0.24225	0.74772	0.72761	0.75775	2.99	2.80	3.04
91	0.26031	0.28610	0.25740	0.73969	0.71390	0.74260	2.84	2.67	2.86
92	0.26524	0.29817	0.26373	0.73476	0.70183	0.73627	2.67	2.55	2.68
93	0.29473	0.30600	0.28904	0.70527	0.69400	0.71096	2.46	2.43	2.47
94	0.32069	0.31063	0.32556	0.67931	0.68937	0.67444	2.29	2.30	2.28
95	0.32918	0.31293	0.33706	0.67082	0.68707	0.66294	2.15	2.13	2.14
96	0.33747	0.33833	0.33708	0.66253	0.66167	0.66292	1.97	1.88	2.00
97	0.36158	0.39535	0.34769	0.63842	0.60465	0.65231	1.74	1.60	1.78
98	0.38291	0.42215	0.37508	0.61709	0.57785	0.62492	1.46	1.33	1.47
99	0.39403	0.49623	0.39301	0.60597	0.50377	0.60699	1.08	0.97	1.08
100+	0.48207	0.63158	0.41714	0.51793	0.36842	0.58286	0.47	0.46	0.47

Rural residence									
0	0.01655	0.01789	0.01509	0.98345	0.98211	0.98491	70.96	67.49	74.92
1	0.00192	0.00227	0.00156	0.99808	0.99773	0.99844	71.16	67.71	75.06
2	0.00112	0.00113	0.00110	0.99888	0.99887	0.99890	70.29	66.87	74.18
3	0.00053	0.00041	0.00066	0.99947	0.99959	0.99934	69.37	65.94	73.26
4	0.00059	0.00052	0.00066	0.99941	0.99948	0.99934	68.41	64.97	72.31
5	0.00045	0.00051	0.00038	0.99955	0.99949	0.99962	67.45	64.00	71.35
6	0.00030	0.00038	0.00020	0.99970	0.99962	0.99980	66.48	63.04	70.38
7	0.00040	0.00055	0.00024	0.99960	0.99945	0.99976	65.50	62.06	69.40
8	0.00035	0.00043	0.00027	0.99965	0.99957	0.99973	64.52	61.09	68.41
9	0.00051	0.00072	0.00030	0.99949	0.99928	0.99970	63.55	60.12	67.43
10	0.00026	0.00034	0.00016	0.99974	0.99966	0.99984	62.58	59.16	66.45
11	0.00032	0.00047	0.00016	0.99968	0.99953	0.99984	61.60	58.18	65.46
12	0.00034	0.00031	0.00038	0.99966	0.99969	0.99962	60.61	57.21	64.47
13	0.00037	0.00038	0.00036	0.99963	0.99962	0.99964	59.64	56.23	63.50
14	0.00037	0.00047	0.00025	0.99963	0.99953	0.99975	58.66	55.25	62.52
15	0.00039	0.00052	0.00026	0.99961	0.99948	0.99974	57.68	54.27	61.53
16	0.00040	0.00055	0.00024	0.99960	0.99945	0.99976	56.70	53.30	60.55
17	0.00062	0.00081	0.00042	0.99938	0.99919	0.99958	55.72	52.33	59.56
18	0.00053	0.00075	0.00030	0.99947	0.99925	0.99970	54.76	51.37	58.59
19	0.00101	0.00146	0.00051	0.99899	0.99854	0.99949	53.79	50.41	57.61
20	0.00103	0.00135	0.00067	0.99897	0.99865	0.99933	52.84	49.48	56.64
21	0.00071	0.00091	0.00046	0.99929	0.99909	0.99954	51.90	48.55	55.67
22	0.00100	0.00121	0.00075	0.99900	0.99879	0.99925	50.93	47.59	54.70
23	0.00093	0.00133	0.00045	0.99907	0.99867	0.99955	49.98	46.65	53.74
24	0.00088	0.00121	0.00051	0.99912	0.99879	0.99949	49.03	45.71	52.76
25	0.00086	0.00128	0.00039	0.99914	0.99872	0.99961	48.07	44.77	51.79
26	0.00108	0.00154	0.00057	0.99892	0.99846	0.99943	47.11	43.82	50.81
27	0.00075	0.00099	0.00049	0.99925	0.99901	0.99951	46.16	42.89	49.84
28	0.00096	0.00139	0.00049	0.99904	0.99861	0.99951	45.20	41.93	48.86
29	0.00141	0.00199	0.00077	0.99859	0.99801	0.99923	44.24	40.99	47.89
30	0.00122	0.00164	0.00075	0.99878	0.99836	0.99925	43.30	40.07	46.92
31	0.00122	0.00180	0.00055	0.99878	0.99820	0.99945	42.35	39.14	45.96
32	0.00135	0.00183	0.00080	0.99865	0.99817	0.99920	41.40	38.21	44.98
33	0.00161	0.00231	0.00081	0.99839	0.99769	0.99919	40.46	37.27	44.02
34	0.00183	0.00203	0.00160	0.99817	0.99797	0.99840	39.52	36.36	43.05
35	0.00159	0.00221	0.00086	0.99841	0.99779	0.99914	38.60	35.43	42.12
36	0.00202	0.00248	0.00149	0.99798	0.99752	0.99851	37.66	34.51	41.16
37	0.00260	0.00330	0.00178	0.99740	0.99670	0.99822	36.73	33.59	40.22
38	0.00285	0.00382	0.00173	0.99715	0.99618	0.99827	35.83	32.70	39.29
39	0.00298	0.00414	0.00164	0.99702	0.99586	0.99836	34.93	31.83	38.36
40	0.00327	0.00454	0.00179	0.99673	0.99546	0.99821	34.03	30.96	37.42
41	0.00378	0.00535	0.00193	0.99622	0.99465	0.99807	33.14	30.10	36.49
42	0.00367	0.00533	0.00171	0.99633	0.99467	0.99829	32.26	29.26	35.55
43	0.00442	0.00629	0.00223	0.99558	0.99371	0.99777	31.38	28.41	34.61
44	0.00496	0.00703	0.00259	0.99504	0.99297	0.99741	30.52	27.59	33.69
45	0.00528	0.00737	0.00291	0.99472	0.99263	0.99709	29.67	26.78	32.78
46	0.00571	0.00837	0.00273	0.99429	0.99163	0.99727	28.82	25.97	31.87
47	0.00598	0.00867	0.00299	0.99402	0.99133	0.99701	27.99	25.19	30.96
48	0.00701	0.01031	0.00333	0.99299	0.98969	0.99667	27.15	24.40	30.05
49	0.00761	0.01098	0.00394	0.99239	0.98902	0.99606	26.34	23.65	29.15
50	0.00801	0.01194	0.00387	0.99199	0.98806	0.99613	25.54	22.91	28.26

51	0.00925	0.01401	0.00432	0.99075	0.98599	0.99568	24.74	22.18	27.37
52	0.00956	0.01400	0.00502	0.99044	0.98600	0.99498	23.96	21.49	26.48
53	0.01000	0.01502	0.00493	0.99000	0.98498	0.99507	23.19	20.79	25.62
54	0.01063	0.01592	0.00537	0.98937	0.98408	0.99463	22.42	20.10	24.74
55	0.01080	0.01540	0.00632	0.98920	0.98460	0.99368	21.66	19.41	23.87
56	0.01219	0.01803	0.00665	0.98781	0.98197	0.99335	20.89	18.71	23.02
57	0.01240	0.01837	0.00701	0.98760	0.98163	0.99299	20.14	18.04	22.17
58	0.01399	0.02140	0.00752	0.98601	0.97860	0.99248	19.38	17.37	21.32
59	0.01456	0.02119	0.00882	0.98544	0.97881	0.99118	18.65	16.74	20.48
60	0.01556	0.02305	0.00908	0.98444	0.97695	0.99092	17.92	16.09	19.66
61	0.01669	0.02431	0.01015	0.98331	0.97569	0.98985	17.20	15.46	18.83
62	0.01745	0.02526	0.01082	0.98255	0.97474	0.98918	16.48	14.83	18.02
63	0.01894	0.02783	0.01141	0.98106	0.97217	0.98859	15.76	14.20	17.21
64	0.02118	0.02980	0.01382	0.97882	0.97020	0.98618	15.06	13.59	16.41
65	0.02407	0.03360	0.01588	0.97593	0.96640	0.98412	14.37	13.00	15.63
66	0.02422	0.03398	0.01584	0.97578	0.96602	0.98416	13.71	12.43	14.87
67	0.02808	0.03840	0.01920	0.97192	0.96160	0.98080	13.04	11.85	14.10
68	0.02894	0.03912	0.02021	0.97106	0.96088	0.97979	12.40	11.30	13.37
69	0.03210	0.04191	0.02376	0.96790	0.95809	0.97624	11.76	10.74	12.64
70	0.03471	0.04379	0.02704	0.96529	0.95621	0.97296	11.13	10.19	11.93
71	0.03785	0.04875	0.02879	0.96215	0.95125	0.97121	10.51	9.64	11.25
72	0.04158	0.05257	0.03269	0.95842	0.94743	0.96731	9.91	9.10	10.57
73	0.04788	0.05750	0.04033	0.95212	0.94250	0.95967	9.32	8.58	9.91
74	0.05370	0.06598	0.04436	0.94630	0.93402	0.95564	8.76	8.07	9.30
75	0.06050	0.07392	0.05055	0.93950	0.92608	0.94945	8.23	7.61	8.71
76	0.06664	0.07774	0.05851	0.93336	0.92226	0.94149	7.73	7.18	8.15
77	0.07050	0.08388	0.06094	0.92950	0.91612	0.93906	7.24	6.74	7.62
78	0.08116	0.09162	0.07392	0.91884	0.90838	0.92608	6.75	6.31	7.08
79	0.08796	0.09847	0.08090	0.91204	0.90153	0.91910	6.30	5.90	6.61
80	0.10138	0.11357	0.09331	0.89862	0.88643	0.90669	5.86	5.49	6.15
81	0.11040	0.12128	0.10334	0.88960	0.87872	0.89666	5.47	5.12	5.73
82	0.11732	0.13216	0.10780	0.88268	0.86784	0.89220	5.09	4.76	5.33
83	0.12158	0.14039	0.11604	0.87842	0.85961	0.88396	4.70	4.41	4.91
84	0.12165	0.15334	0.12173	0.87835	0.84666	0.87827	4.28	4.05	4.49
85	0.15947	0.16649	0.15499	0.84053	0.83351	0.84501	3.80	3.70	4.05
86	0.21567	0.22918	0.20718	0.78433	0.77082	0.79282	3.43	3.34	3.70
87	0.23286	0.24925	0.21138	0.76714	0.75075	0.78862	3.23	3.18	3.53
88	0.25419	0.25612	0.22261	0.74581	0.74388	0.77739	3.06	3.07	3.35
89	0.25723	0.23034	0.23747	0.74277	0.76966	0.76253	2.94	2.97	3.17
90	0.26943	0.27064	0.24275	0.73057	0.72936	0.75725	2.80	2.72	3.01
91	0.27829	0.27561	0.24555	0.72171	0.72439	0.75445	2.66	2.54	2.82
92	0.28759	0.31181	0.27450	0.71241	0.68819	0.72550	2.50	2.33	2.58
93	0.31942	0.34084	0.30841	0.68058	0.65916	0.69159	2.31	2.17	2.37
94	0.33807	0.35674	0.32843	0.66193	0.64326	0.67157	2.17	2.05	2.22
95	0.34004	0.36992	0.33920	0.65996	0.63008	0.66080	2.04	1.92	2.07
96	0.34899	0.38200	0.34644	0.65101	0.61800	0.65356	1.85	1.78	1.89
97	0.38837	0.40914	0.35656	0.61163	0.59086	0.64344	1.59	1.59	1.65
98	0.45627	0.41763	0.45588	0.54373	0.58237	0.54412	1.30	1.37	1.30
99	0.45897	0.42986	0.46125	0.54103	0.57014	0.53875	1.00	1.03	1.00
100+	0.46092	0.44118	0.46832	0.53908	0.55882	0.53168	0.46	0.47	0.46