

National Statistical Institute (2023): **“Mortality and life expectancy at birth by sex and place of residence for the 2020-2022 period”**, in Population and Demographic Processes 2022, pp. 98-116. Sofia: National Statistical Institute. Downloaded from: [www.nsi.bg](http://www.nsi.bg) (16.02.2023).

# НАСЕЛЕНИЕ И ДЕМОГРАФСКИ ПРОЦЕСИ 2022 POPULATION AND DEMOGRAPHIC PROCESSES 2022



9. Смъртност и средна продължителност на предстоящия живот на населението в градовете и селата по пол през периода 2020 - 2022 година  
Mortality and life expectancy at birth by sex and residence for the 2020 - 2022 period

Възраст (в навършени години) Age (years)	Брой на доживелите до възраст x години Number of surviving to exact age		Брой на умрелите в интервала от x до x+1 години Number of dying from x to x+1 years		Вероятност за умирање в интервала от x до x+1 години Probability of dying from x to x+1 years		Вероятност за доживяване до възраст x+1 години Probability of surviving to x+1 years		Брой на живеещите на възраст x години Number of living at exact age		Брой на преживените човекогодини Number of surviving person years		Средна продължителност на предстоящия живот Life expectancy	
x	lx		dx		qx		px		Lx		Tx		ex	
	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female
В градовете Urban residence														
0	100000	100000	526	407	0.00526	0.00407	0.99474	0.99593	99585	99658	6906814	7657287	69.07	76.57
1	99474	99593	41	53	0.00041	0.00053	0.99959	0.99947	99440	99550	6807229	7557630	68.43	75.89
2	99433	99540	9	19	0.00009	0.00019	0.99991	0.99981	99426	99525	6707789	7458080	67.46	74.93
3	99424	99521	27	19	0.00027	0.00019	0.99973	0.99981	99401	99506	6608363	7358555	66.47	73.94
4	99397	99502	13	14	0.00014	0.00014	0.99986	0.99986	99386	99491	6508962	7259050	65.48	72.95
5	99384	99488	21	11	0.00021	0.00011	0.99979	0.99989	99373	99483	6409576	7159559	64.49	71.96
6	99362	99477	17	18	0.00017	0.00018	0.99983	0.99982	99354	99468	6310203	7060077	63.51	70.97
7	99345	99459	17	11	0.00017	0.00011	0.99983	0.99989	99337	99453	6210849	6960609	62.52	69.98
8	99328	99448	15	11	0.00015	0.00011	0.99985	0.99989	99321	99442	6111513	6861156	61.53	68.99
9	99313	99437	21	7	0.00021	0.00007	0.99979	0.99993	99303	99433	6012191	6761714	60.54	68.00
10	99292	99430	12	7	0.00012	0.00007	0.99988	0.99993	99286	99427	5912889	6662280	59.55	67.00
11	99280	99423	18	8	0.00018	0.00008	0.99982	0.99992	99271	99420	5813603	6562854	58.56	66.01
12	99262	99415	21	18	0.00022	0.00018	0.99978	0.99982	99252	99406	5714332	6463434	57.57	65.01
13	99241	99397	31	17	0.00032	0.00017	0.99968	0.99983	99225	99389	5615080	6364028	56.58	64.03
14	99209	99380	24	26	0.00025	0.00026	0.99975	0.99974	99197	99367	5515855	6264639	55.60	63.04
15	99185	99354	40	22	0.00040	0.00023	0.99960	0.99977	99166	99342	5416657	6165272	54.61	62.05
16	99145	99332	37	12	0.00038	0.00012	0.99962	0.99988	99127	99326	5317492	6065930	53.63	61.07
17	99108	99320	57	32	0.00057	0.00032	0.99943	0.99968	99080	99306	5218365	5966604	52.65	60.07
18	99051	99288	62	43	0.00062	0.00043	0.99938	0.99957	99021	99267	5119284	5867298	51.68	59.09
19	98989	99246	78	27	0.00079	0.00028	0.99921	0.99972	98951	99231	5020263	5768031	50.72	58.12
20	98911	99218	74	22	0.00074	0.00023	0.99926	0.99977	98874	99208	4921313	5668800	49.75	57.13
21	98837	99196	80	46	0.00081	0.00047	0.99919	0.99953	98798	99173	4822438	5569592	48.79	56.15
22	98758	99150	94	29	0.00095	0.00030	0.99905	0.99970	98712	99134	4723640	5470419	47.83	55.17
23	98664	99120	111	33	0.00113	0.00033	0.99887	0.99967	98609	99105	4624928	5371285	46.88	54.19
24	98552	99088	125	52	0.00127	0.00053	0.99873	0.99947	98489	99062	4526319	5272180	45.93	53.21
25	98428	99036	96	33	0.00098	0.00033	0.99902	0.99967	98378	99019	4427830	5173118	44.99	52.23
26	98331	99003	90	43	0.00091	0.00044	0.99909	0.99956	98288	98982	4329452	5074099	44.03	51.25
27	98241	98959	134	50	0.00137	0.00050	0.99863	0.99950	98175	98936	4231164	4975118	43.07	50.27
28	98107	98910	119	78	0.00122	0.00079	0.99878	0.99921	98048	98871	4132989	4876182	42.13	49.30
29	97987	98832	149	67	0.00152	0.00068	0.99848	0.99932	97913	98797	4034942	4777310	41.18	48.34
30	97838	98764	128	57	0.00131	0.00057	0.99869	0.99943	97774	98737	3937028	4678513	40.24	47.37
31	97711	98708	147	76	0.00151	0.00077	0.99849	0.99923	97638	98671	3839254	4579777	39.29	46.40
32	97563	98632	157	76	0.00160	0.00077	0.99840	0.99923	97486	98595	3741616	4481106	38.35	45.43
33	97407	98556	182	95	0.00187	0.00096	0.99813	0.99904	97316	98508	3644129	4382511	37.41	44.47
34	97225	98462	174	65	0.00179	0.00066	0.99821	0.99934	97138	98428	3546813	4284003	36.48	43.51
35	97051	98396	195	75	0.00200	0.00076	0.99800	0.99924	96956	98360	3449675	4185574	35.55	42.54
36	96856	98321	223	92	0.00230	0.00094	0.99770	0.99906	96747	98278	3352719	4087214	34.62	41.57
37	96633	98229	263	129	0.00272	0.00131	0.99728	0.99869	96505	98166	3255972	3988937	33.69	40.61

9. Смъртност и средна продължителност на предстоящия живот на населението в градовете и селата по пол през периода 2020 - 2022 година  
Mortality and life expectancy at birth by sex and residence for the 2020 - 2022 period

(Продължение)  
(Continued)

Възраст (в навършени години) Age (years)	Брой на доживелите до възраст x години Number of surviving to exact age		Брой на умрелите в интервала от x до x+1 години Number of dying from x to x+1 years		Вероятност за умираване в интервала от x до x+1 години Probability of dying from x to x+1 years		Вероятност за доживяване до възраст x+1 години Probability of surviving to x+1 years		Брой на живеещите на възраст x години Number of living at exact age		Брой на преживените човекогодини Number of surviving person years		Средна продължителност на предстоящия живот Life expectancy	
x	lx		dx		qx		px		Lx		Tx		ex	
	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female
38	96371	98100	302	129	0.00313	0.00131	0.99687	0.99869	96222	98038	3159467	3890770	32.78	39.66
39	96069	97972	329	167	0.00342	0.00171	0.99658	0.99829	95906	97890	3063245	3792733	31.89	38.71
40	95740	97805	333	182	0.00347	0.00186	0.99653	0.99814	95575	97714	2967339	3694842	30.99	37.78
41	95407	97622	370	187	0.00388	0.00192	0.99612	0.99808	95225	97529	2871764	3597128	30.10	36.85
42	95037	97435	394	200	0.00415	0.00205	0.99585	0.99795	94843	97335	2776539	3499599	29.22	35.92
43	94643	97235	443	196	0.00468	0.00202	0.99532	0.99798	94423	97138	2681696	3402263	28.33	34.99
44	94199	97039	451	230	0.00479	0.00237	0.99521	0.99763	93977	96926	2587272	3305125	27.47	34.06
45	93748	96808	514	250	0.00548	0.00259	0.99452	0.99741	93497	96685	2493296	3208200	26.60	33.14
46	93234	96558	586	280	0.00628	0.00290	0.99372	0.99710	92947	96421	2399799	3111514	25.74	32.22
47	92649	96278	646	332	0.00698	0.00345	0.99302	0.99655	92330	96114	2306852	3015093	24.90	31.32
48	92002	95946	697	343	0.00758	0.00357	0.99242	0.99643	91660	95775	2214522	2918979	24.07	30.42
49	91305	95603	799	341	0.00875	0.00356	0.99125	0.99644	90913	95436	2122862	2823204	23.25	29.53
50	90506	95262	861	437	0.00951	0.00459	0.99049	0.99541	90083	95048	2031950	2727768	22.45	28.63
51	89645	94825	970	454	0.01082	0.00478	0.98918	0.99522	89167	94601	1941867	2632720	21.66	27.76
52	88675	94372	1020	510	0.01150	0.00540	0.98850	0.99460	88172	94118	1852700	2538118	20.89	26.89
53	87655	93862	1136	494	0.01296	0.00527	0.98704	0.99473	87093	93616	1764527	2444000	20.13	26.04
54	86519	93367	1168	533	0.01350	0.00571	0.98650	0.99429	85944	93109	1677434	2350384	19.39	25.17
55	85351	92834	1343	690	0.01573	0.00744	0.98427	0.99256	84693	92496	1591490	2257275	18.65	24.32
56	84009	92144	1480	703	0.01761	0.00763	0.98239	0.99237	83276	91797	1506797	2164779	17.94	23.49
57	82529	91441	1517	801	0.01839	0.00876	0.98161	0.99124	81778	91043	1423521	2072982	17.25	22.67
58	81011	90640	1669	764	0.02060	0.00842	0.97940	0.99158	80186	90264	1341743	1981939	16.56	21.87
59	79343	89876	1730	935	0.02180	0.01040	0.97820	0.98960	78489	89417	1261557	1891675	15.90	21.05
60	77613	88942	1944	962	0.02504	0.01081	0.97496	0.98919	76652	88465	1183068	1802257	15.24	20.26
61	75669	87980	2002	1025	0.02645	0.01165	0.97355	0.98835	74673	87476	1106415	1713792	14.62	19.48
62	73668	86955	2044	1153	0.02775	0.01326	0.97225	0.98674	72654	86387	1031742	1626317	14.01	18.70
63	71624	85803	2207	1211	0.03082	0.01411	0.96918	0.98589	70537	85205	959088	1539930	13.39	17.95
64	69416	84592	2453	1345	0.03533	0.01590	0.96467	0.98410	68198	83927	888551	1454725	12.80	17.20
65	66964	83247	2404	1391	0.03590	0.01671	0.96410	0.98329	65767	82558	820353	1370798	12.25	16.47
66	64559	81856	2577	1503	0.03992	0.01836	0.96008	0.98164	63278	81113	754587	1288240	11.69	15.74
67	61982	80353	2592	1611	0.04182	0.02005	0.95818	0.97995	60691	79558	691308	1207126	11.15	15.02
68	59390	78742	2693	1767	0.04534	0.02244	0.95466	0.97756	58053	77864	630617	1127568	10.62	14.32
69	56697	76975	2820	1752	0.04974	0.02275	0.95026	0.97725	55299	76109	572564	1049704	10.10	13.64
70	53877	75223	2965	1998	0.05502	0.02656	0.94498	0.97344	52404	74241	517266	973595	9.60	12.94
71	50913	73226	3035	2141	0.05962	0.02923	0.94038	0.97077	49397	72165	464862	899355	9.13	12.28
72	47877	71085	3011	2227	0.06289	0.03133	0.93711	0.96867	46370	69979	415465	827190	8.68	11.64
73	44866	68858	2991	2320	0.06667	0.03370	0.93333	0.96630	43376	67710	369095	757211	8.23	11.00
74	41875	66537	3157	2520	0.07540	0.03787	0.92460	0.96213	40298	65292	325719	689502	7.78	10.36
75	38717	64018	3034	2674	0.07835	0.04178	0.92165	0.95822	37191	62689	285421	624209	7.37	9.75

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x	lx		dx		qx		px		Lx		Tx		ex	
	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female	мъже Male	жени Female
76	35684	61343	2916	2728	0.08173	0.04448	0.91827	0.95552	34229	59996	248230	561520	6.96	9.15
77	32767	58615	3105	3074	0.09476	0.05244	0.90524	0.94756	31218	57101	214002	501524	6.53	8.56
78	29662	55541	2983	3268	0.10056	0.05885	0.89944	0.94115	28159	53919	182784	444424	6.16	8.00
79	26680	52273	2815	3362	0.10552	0.06432	0.89448	0.93568	25265	50602	154625	390505	5.80	7.47
80	23864	48911	2810	3515	0.11777	0.07186	0.88223	0.92814	22456	47166	129360	339903	5.42	6.95
81	21054	45396	2729	3667	0.12961	0.08078	0.87039	0.91922	19677	43581	106905	292737	5.08	6.45
82	18325	41729	2520	3957	0.13754	0.09481	0.86246	0.90519	17049	39761	87227	249157	4.76	5.97
83	15805	37772	2353	3931	0.14886	0.10408	0.85114	0.89592	14615	35807	70178	209395	4.44	5.54
84	13452	33841	2192	3961	0.16294	0.11705	0.83706	0.88295	12341	31862	55563	173588	4.13	5.13
85	11260	29880	1984	3976	0.17618	0.13306	0.82382	0.86694	10255	27885	43222	141726	3.84	4.74
86	9276	25904	1879	3783	0.20258	0.14603	0.79742	0.85397	8321	23997	32967	113842	3.55	4.39
87	7397	22121	1596	3592	0.21571	0.16237	0.78429	0.83763	6578	20308	24647	89845	3.33	4.06
88	5801	18529	1379	3354	0.23771	0.18101	0.76229	0.81899	5090	16825	18068	69537	3.11	3.75
89	4422	15176	1070	2934	0.24192	0.19332	0.75808	0.80668	3867	13681	12978	52712	2.93	3.47
90	3353	12242	893	2688	0.26629	0.21954	0.73371	0.78046	2891	10872	9111	39031	2.72	3.19
91	2460	9554	707	2302	0.28724	0.24095	0.71276	0.75905	2091	8371	6220	28160	2.53	2.95
92	1753	7252	530	1903	0.30224	0.26242	0.69776	0.73758	1476	6268	4129	19789	2.35	2.73
93	1223	5349	401	1517	0.32816	0.28361	0.67184	0.71639	1012	4562	2653	13521	2.17	2.53
94	822	3832	286	1208	0.34783	0.31512	0.65217	0.68488	671	3199	1641	8960	2.00	2.34
95	536	2624	209	824	0.39022	0.31384	0.60978	0.68616	425	2188	970	5760	1.81	2.19
96	327	1801	132	626	0.42161	0.34767	0.59620	0.65233	256	1471	545	3572	1.67	1.98
97	195	1175	85	413	0.42716	0.35134	0.56131	0.64866	149	954	289	2101	1.48	1.79
98	109	762	50	276	0.41996	0.36248	0.54185	0.63752	82	614	140	1148	1.28	1.51
99	59	486	28	181	0.51852	0.37363	0.52846	0.62637	44	389	58	533	0.98	1.10
100+	31	304	15	129	0.47853	0.42241	0.51830	0.57759	14	145	14	145	0.46	0.48
В селата Rural residence														
0	100000	100000	815	916	0.00815	0.00916	0.99185	0.99084	99385	99323	6655590	7380417	66.56	73.80
1	99185	99084	66	123	0.00066	0.00125	0.99934	0.99875	99130	98987	6556205	7281093	66.10	73.48
2	99119	98961	79	82	0.00080	0.00083	0.99920	0.99917	99054	98896	6457075	7182106	65.14	72.58
3	99040	98879	26	14	0.00026	0.00014	0.99974	0.99986	99018	98868	6358021	7083210	64.20	71.64
4	99014	98865	29	14	0.00029	0.00014	0.99971	0.99986	98990	98854	6259003	6984342	63.21	70.65
5	98985	98851	32	13	0.00032	0.00014	0.99968	0.99986	98968	98845	6160013	6885488	62.23	69.65
6	98953	98838	13	14	0.00013	0.00014	0.99987	0.99986	98946	98832	6061045	6786643	61.25	68.66
7	98940	98824	12	40	0.00013	0.00041	0.99987	0.99959	98935	98804	5962099	6687811	60.26	67.67
8	98928	98784	25	7	0.00025	0.00007	0.99975	0.99993	98916	98781	5863164	6589007	59.27	66.70
9	98903	98777	19	39	0.00019	0.00039	0.99981	0.99961	98893	98758	5764249	6490226	58.28	65.71
10	98884	98738	6	13	0.00006	0.00013	0.99994	0.99987	98881	98733	5665356	6391468	57.29	64.73
11	98878	98725	12	62	0.00012	0.00063	0.99988	0.99937	98872	98695	5566475	6292736	56.30	63.74