

TABLE A.11. RUSSIAN FEDERATION, 1998 REVISION

RUSSIAN FEDERATION

Indicator	A. ESTIMATES									
	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995
Population (thousands)										
Total.....	102 192	111 402	119 906	126 749	130 392	134 233	138 660	143 329	148 292	148 097
Males.....	43 859	48 826	53 472	57 261	59 368	61 362	63 895	66 497	69 444	69 353
Females.....	58 333	62 576	66 434	69 488	71 024	72 870	74 765	76 832	78 848	78 744
Sex ratio (per 100 females).....	75.2	78.0	80.5	82.4	83.6	84.2	85.5	86.5	88.1	88.1
Age distribution:										
Percentage aged 0-4.....	9.8	11.3	11.2	9.6	7.2	7.5	7.7	8.1	7.8	5.2
Percentage aged 5-14.....	19.1	15.6	18.7	20.3	19.4	15.8	13.9	14.5	15.2	15.9
Percentage aged 15-24.....	21.1	19.8	16.2	13.5	16.9	18.7	17.7	14.7	13.3	14.3
Percentage aged 60 or over.....	9.2	9.1	9.3	10.4	11.9	13.6	13.5	13.9	16.0	16.7
Percentage aged 65 or over.....	6.2	6.3	6.3	6.6	7.7	8.9	10.2	9.7	10.0	11.9
Percentage of women aged 15-49.....	55.3	55.0	50.2	47.4	49.5	50.9	49.1	47.8	45.8	48.7
Median age (years).....	25.0	26.5	27.4	28.5	30.6	30.8	31.3	32.1	33.3	35.1
Population density (per sq km).....	6	7	7	7	8	8	8	8	9	9
	1950-1955	1955-1960	1960-1965	1965-1970	1970-1975	1975-1980	1980-1985	1985-1990	1990-1995	
Population change per year (thousands).....	1 842	1 701	1 369	729	768	885	934	993	- 39	
Births per year (thousands).....	2 592	2 772	2 489	1 920	2 011	2 156	2 355	2 333	1 566	
Deaths per year (thousands).....	908	993	1 009	1 080	1 204	1 405	1 565	1 560	1 979	
Population growth rate (percentage).....	1.73	1.47	1.11	0.57	0.58	0.65	0.66	0.68	-0.03	
Crude birth rate (per 1,000 population).....	24.3	24.0	20.2	14.9	15.2	15.8	16.7	16.0	10.6	
Crude death rate (per 1,000 population).....	8.5	8.6	8.2	8.4	9.1	10.3	11.1	10.7	13.4	
Total fertility rate (per woman).....	2.51	2.62	2.48	2.02	1.98	1.92	1.99	2.10	1.50	
Gross reproduction rate (per woman).....	1.23	1.28	1.21	0.99	0.97	0.94	0.97	1.02	0.73	
Net reproduction rate (per woman).....	1.16	1.22	1.16	0.95	0.93	0.90	0.94	0.99	0.71	
Infant mortality rate (per 1,000 births).....	98	57	39	31	28	30	26	24	18	
Life expectancy at birth (years)										
Males.....	62.5	63.0	64.0	63.9	63.1	61.9	62.1	64.3	60.6	
Females.....	70.5	71.0	72.6	73.5	73.5	73.1	73.4	74.3	72.8	
Both sexes combined.....	67.3	67.7	69.0	69.0	68.2	67.4	67.6	69.2	66.5	
	B. MEDIUM-VARIANT PROJECTIONS									
	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	148 097	146 934	145 549	144 418	142 945	140 639	137 933	135 207	128 875	121 256
Males.....	69 353	68 674	67 879	67 323	66 688	65 662	64 460	63 242	60 412	57 126
Females.....	78 744	78 260	77 670	77 095	76 258	74 977	73 473	71 965	68 463	64 129
Sex ratio (per 100 females).....	88.1	87.8	87.4	87.3	87.5	87.6	87.7	87.9	88.2	89.1
Age distribution:										
Percentage aged 0-4.....	5.2	4.8	5.2	5.5	5.3	4.8	4.7	4.8	4.7	4.5
Percentage aged 5-14.....	15.9	13.4	10.4	10.2	10.9	11.1	10.5	9.9	10.0	9.8
Percentage aged 15-24.....	14.3	15.6	16.3	13.7	10.7	10.6	11.4	11.6	10.4	10.6
Percentage aged 60 or over.....	16.7	18.5	17.4	18.2	20.3	22.9	25.0	25.8	28.6	33.4
Percentage aged 65 or over.....	11.9	12.5	14.0	12.9	13.7	15.6	18.1	19.9	21.5	25.0
Percentage in school ages 6-11.....	9.7	7.4	5.9	6.2	6.6	6.6	6.1	5.8	6.0	5.8
Percentage in school ages 12-14.....	4.7	5.0	3.5	3.0	3.2	3.4	3.4	3.1	3.0	3.1
Percentage in school ages 15-17.....	4.5	4.9	4.7	3.1	3.0	3.3	3.5	3.3	3.0	3.1
Percentage in school ages 18-23.....	8.5	9.2	10.0	9.0	6.3	6.2	6.8	7.1	6.2	6.4
Percentage of women aged 15-49.....	48.7	50.6	50.8	47.9	45.4	44.7	43.9	42.3	37.0	37.7
Median age (years).....	35.1	36.7	37.7	38.4	39.4	40.7	42.4	44.1	46.3	46.1
Population density (per sq km).....	9	9	9	8	8	8	8	8	8	7
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands).....	-233	-277	-226	-295	-461	-541	-545	-633	-762	
Births per year (thousands).....	1 421	1 522	1 610	1 533	1 381	1 313	1 305	1 251	1 135	
Deaths per year (thousands).....	2 048	2 098	2 041	1 982	1 947	1 909	1 905	1 939	1 951	
Net migration per year (thousands).....	394	299	204	154	104	55	55	55	55	
Population growth rate (percentage).....	-0.16	-0.19	-0.16	-0.21	-0.33	-0.39	-0.40	-0.48	-0.61	
Crude birth rate (per 1,000 population).....	9.6	10.4	11.1	10.7	9.7	9.4	9.6	9.5	9.1	
Crude death rate (per 1,000 population).....	13.9	14.3	14.1	13.8	13.7	13.7	13.9	14.7	15.6	
Net migration rate (per 1,000 population).....	2.7	2.0	1.4	1.1	0.7	0.4	0.4	0.4	0.4	
Total fertility rate (per woman).....	1.35	1.38	1.45	1.52	1.59	1.66	1.70	1.70	1.70	
Gross reproduction rate (per woman).....	0.66	0.67	0.71	0.74	0.78	0.81	0.83	0.83	0.83	
Net reproduction rate (per woman).....	0.64	0.65	0.69	0.72	0.76	0.79	0.81	0.82	0.82	
Infant mortality rate (per 1,000 births).....	18	18	16	15	14	13	12	10	9	
Mortality under age 5 (per 1,000 births).....	22	21	20	18	16	15	14	12	10	
Life expectancy at birth (years)										
Males.....	60.6	61.3	63.3	65.3	66.8	68.3	69.5	70.9	72.8	
Females.....	72.8	73.2	74.2	75.2	76.0	76.8	77.6	78.8	80.3	
Both sexes combined.....	66.6	67.1	68.7	70.3	71.5	72.7	73.7	75.0	76.7	

Source: United Nations Population Division, *World Population Prospects: The 1998 Revision*.

TABLE A.11 (continued)

RUSSIAN FEDERATION

C. HIGH-VARIANT PROJECTIONS										
	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	148 097	147 856	148 470	149 512	150 232	150 306	150 380	150 806	151 568	151 823
Males.....	69 353	69 145	69 372	69 927	70 412	70 603	70 820	71 211	72 000	72 723
Females.....	78 744	78 711	79 098	79 585	79 820	79 704	79 559	79 595	79 568	79 099
Age distribution:										
Percentage aged 0-4.....	5.2	5.4	6.4	6.8	6.5	6.1	6.2	6.4	6.4	6.4
Percentage aged 5-14.....	15.9	13.3	10.8	11.8	13.2	13.3	12.7	12.3	12.9	12.8
Percentage aged 15-24.....	14.3	15.5	16.0	13.3	10.8	11.8	13.2	13.3	12.2	12.9
Percentage aged 60 or over.....	16.7	18.4	17.1	17.6	19.3	21.4	22.9	23.1	24.3	26.7
Percentage aged 65 or over.....	11.9	12.4	13.7	12.5	13.0	14.6	16.6	17.9	18.3	20.0
Percentage of women aged 15-49.....	48.7	50.3	49.9	46.4	44.0	43.9	43.6	42.7	39.4	41.7
Median age (years).....	35.1	36.5	37.0	37.1	37.7	38.6	39.8	40.8	39.3	39.5
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands).....	- 48	123	208	144	15	15	85	76	25	
Population growth rate (percentage).....	- 0.03	0.08	0.14	0.10	0.01	0.01	0.06	0.05	0.02	
Crude birth rate (per 1,000 population).....	10.9	13.0	13.8	13.2	12.4	12.5	13.0	13.1	12.8	
Crude death rate (per 1,000 population).....	13.9	14.2	13.8	13.3	13.0	12.8	12.7	12.9	13.0	
Net migration rate (per 1,000 population).....	2.7	2.0	1.4	1.0	0.7	0.4	0.4	0.4	0.4	
Total fertility rate (per woman).....	1.52	1.75	1.85	1.95	2.05	2.10	2.10	2.10	2.10	
Gross reproduction rate (per woman).....	0.74	0.85	0.90	0.95	1.00	1.02	1.02	1.02	1.02	
Net reproduction rate (per woman).....	0.72	0.83	0.88	0.93	0.98	1.00	1.00	1.01	1.01	
D. LOW-VARIANT PROJECTIONS										
	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	148 097	146 675	144 561	142 315	139 469	135 613	131 063	126 190	115 164	102 544
Males.....	69 353	68 541	67 374	66 248	64 910	63 092	60 948	58 632	53 405	47 569
Females.....	78 744	78 133	77 187	76 067	74 559	72 521	70 115	67 558	61 759	54 975
Age distribution:										
Percentage aged 0-4.....	5.2	4.6	4.7	4.8	4.4	3.9	3.5	3.4	3.2	2.8
Percentage aged 5-14.....	15.9	13.4	10.3	9.7	9.9	9.7	8.8	7.9	7.3	6.8
Percentage aged 15-24.....	14.3	15.6	16.4	13.9	10.8	10.2	10.5	10.4	8.7	8.2
Percentage aged 60 or over.....	16.7	18.5	17.5	18.5	20.8	23.8	26.3	27.6	32.0	39.5
Percentage aged 65 or over.....	11.9	12.5	14.1	13.1	14.0	16.2	19.1	21.3	24.0	29.6
Percentage of women aged 15-49.....	48.7	50.6	51.1	48.6	46.3	45.6	44.5	42.6	35.6	34.1
Median age (years).....	35.1	36.8	38.0	38.9	40.2	41.9	43.9	46.1	50.5	52.4
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population change per year (thousands).....	-284	-423	-449	-569	-771	-910	-975	-1 103	-1 262	
Population growth rate (percentage).....	- 0.19	- 0.29	- 0.31	- 0.40	- 0.56	- 0.68	- 0.76	- 0.91	- 1.16	
Crude birth rate (per 1,000 population).....	9.3	9.4	9.6	8.9	7.7	7.0	6.7	6.4	5.7	
Crude death rate (per 1,000 population).....	13.9	14.4	14.2	14.0	14.1	14.3	14.7	16.0	17.8	
Net migration rate (per 1,000 population).....	2.7	2.1	1.4	1.1	0.8	0.4	0.4	0.5	0.5	
Total fertility rate (per woman).....	1.30	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
Gross reproduction rate (per woman).....	0.63	0.61	0.61	0.61	0.61	0.61	0.61	0.61	0.61	
Net reproduction rate (per woman).....	0.61	0.59	0.59	0.59	0.59	0.59	0.60	0.60	0.60	
E. CONSTANT-VARIANT PROJECTIONS										
	1995	2000	2005	2010	2015	2020	2025	2030	2040	2050
Population (thousands)										
Total.....	148 097	147 737	146 999	146 136	144 608	142 120	139 129	135 950	128 334	119 039
	1995-2000	2000-2005	2005-2010	2010-2015	2015-2020	2020-2025	2025-2030	2030-2040	2040-2050	
Population growth rate (percentage).....	- 0.05	- 0.10	- 0.12	- 0.21	- 0.35	- 0.43	- 0.46	- 0.58	- 0.75	
Crude birth rate (per 1,000 population).....	10.7	11.2	11.4	10.5	9.4	8.9	8.8	8.5	7.8	
Crude death rate (per 1,000 population).....	13.9	14.3	13.9	13.6	13.6	13.6	13.9	14.7	15.8	

Source: United Nations Population Division, *World Population Prospects: The 1998 Revision*.

TABLE A.12. RUSSIAN FEDERATION, REPLACEMENT MIGRATION SCENARIOS

RUSSIAN FEDERATION

Scenario	I	II	III	IV	V	VI
Period	Medium variant	Medium variant with zero migration	Constant total population	Constant age group 15-64	Ratio 15-64/65+ not less than 3.0	Constant ratio 15-64/65 years or older
<i>A. Average annual net migration (thousands)</i>						
1995-2000	394	0	611	0	0	746
2000-2005	299	0	539	95	0	3 801
2005-2010	204	0	387	79	0	-3 888
2010-2015	154	0	392	899	0	2 372
2015-2020	104	0	470	1 094	0	6 376
2020-2025	55	0	464	994	0	7 995
2025-2030	55	0	447	730	0	6 089
2030-2035	55	0	486	443	0	2 557
2035-2040	55	0	558	695	254	4 480
2040-2045	55	0	606	873	2 061	6 347
2045-2050	55	0	635	1 189	3 006	11 867
Grand total 1995-2050	7 417	0	27 971	35 454	26 604	243 709
<i>B. Total population (thousands)</i>						
1995	148 097	148 097	148 097	148 097	148 097	148 097
2000	146 934	144 960	148 097	144 960	144 960	148 791
2005	145 549	142 048	148 097	142 536	142 074	165 588
2010	144 418	139 796	148 097	140 718	139 907	144 436
2015	142 945	137 434	148 097	143 055	137 640	154 123
2020	140 639	134 582	148 097	146 223	134 798	185 030
2025	137 933	131 649	148 097	149 146	131 824	226 586
2030	135 207	128 727	148 097	150 974	128 858	260 764
2035	132 243	125 578	148 097	151 191	125 687	277 531
2040	128 875	122 027	148 097	152 318	123 471	303 736
2045	125 170	118 186	148 097	154 192	130 491	340 184
2050	121 256	114 178	148 097	157 658	143 093	406 551
<i>C. Age group 15-64 (thousands)</i>						
1995	99 200	99 200	99 200	99 200	99 200	99 200
2000	101 862	100 467	102 703	100 467	100 467	103 198
2005	102 592	100 119	104 480	100 467	100 111	116 950
2010	103 028	99 804	105 879	100 467	99 775	103 557
2015	100 229	96 455	104 349	100 467	96 398	109 032
2020	96 217	92 136	102 179	100 467	92 054	128 725
2025	92 021	87 876	100 056	100 467	87 764	156 042
2030	88 473	84 327	98 521	100 467	84 185	178 976
2035	85 819	81 700	97 915	100 467	81 532	191 288
2040	82 322	78 216	96 629	100 467	78 969	209 991
2045	78 365	74 244	95 067	100 467	82 658	235 545
2050	73 569	69 413	92 796	100 467	89 610	279 890
<i>D. Potential support ratio 15-64/65 or older</i>						
1995	5.62	5.62	5.62	5.62	5.62	5.62
2000	5.54	5.51	5.60	5.51	5.51	5.62
2005	5.04	5.00	5.16	5.02	4.99	5.62
2010	5.52	5.51	5.74	5.54	5.47	5.62
2015	5.13	5.15	5.45	5.31	5.08	5.62
2020	4.38	4.39	4.73	4.69	4.32	5.62
2025	3.68	3.69	4.05	4.09	3.63	5.62
2030	3.28	3.29	3.67	3.78	3.25	5.62
2035	3.17	3.20	3.58	3.74	3.15	5.62
2040	2.98	3.02	3.39	3.63	3.00	5.62
2045	2.74	2.78	3.16	3.43	3.00	5.62
2050	2.43	2.44	2.85	3.12	3.00	5.62

TABLE A.12 (continued)

RUSSIAN FEDERATION						
Scenario	I	II	III	IV	V	VI
Period	Medium variant	Medium variant with zero migration	Constant total population	Constant age group 15-64	Ratio 15-64/65+ not less than 3.0	Constant ratio 15-64/65 years or older
<i>E. Age group 65 or older (thousands)</i>						
1995	17 664	17 664	17 664	17 664	17 664	17 664
2000	18 393	18 249	18 353	18 249	18 249	18 376
2005	20 341	20 017	20 240	20 033	20 052	20 825
2010	18 670	18 104	18 436	18 139	18 251	18 440
2015	19 532	18 712	19 163	18 909	18 992	19 415
2020	21 985	20 985	21 598	21 423	21 310	22 922
2025	24 989	23 835	24 687	24 550	24 156	27 786
2030	26 938	25 603	26 830	26 594	25 914	31 870
2035	27 112	25 569	27 379	26 855	25 894	34 062
2040	27 661	25 919	28 481	27 683	26 323	37 393
2045	28 620	26 755	30 101	29 301	27 553	41 943
2050	30 315	28 398	32 504	32 168	29 870	49 840
<i>F. Percentage in age group 65 or older</i>						
1995	11.9	11.9	11.9	11.9	11.9	11.9
2000	12.5	12.6	12.4	12.6	12.6	12.4
2005	14.0	14.1	13.7	14.1	14.1	12.6
2010	12.9	13.0	12.4	12.9	13.0	12.8
2015	13.7	13.6	12.9	13.2	13.8	12.6
2020	15.6	15.6	14.6	14.7	15.8	12.4
2025	18.1	18.1	16.7	16.5	18.3	12.3
2030	19.9	19.9	18.1	17.6	20.1	12.2
2035	20.5	20.4	18.5	17.8	20.6	12.3
2040	21.5	21.2	19.2	18.2	21.3	12.3
2045	22.9	22.6	20.3	19.0	21.1	12.3
2050	25.0	24.9	21.9	20.4	20.9	12.3
<i>G. Age group 0-14 (thousands)</i>						
1995	31 232	31 232	31 232	31 232	31 232	31 232
2000	26 679	26 244	27 040	26 244	26 244	27 216
2005	22 617	21 911	23 377	22 036	21 910	27 813
2010	22 720	21 887	23 782	22 112	21 881	22 438
2015	23 185	22 267	24 584	23 679	22 250	25 676
2020	22 437	21 461	24 319	24 333	21 434	33 384
2025	20 923	19 938	23 353	24 129	19 905	42 759
2030	19 796	18 797	22 746	23 913	18 758	49 918
2035	19 313	18 309	22 803	23 869	18 261	52 181
2040	18 891	17 892	22 986	24 168	18 179	56 352
2045	18 185	17 187	22 929	24 423	20 280	62 696
2050	17 372	16 367	22 797	25 023	23 613	76 821
<i>H. Potential support ratio in 2050, by age at entry into non-working-age population</i>						
Age						
65	2.43	2.44	2.85	3.12	3.00	5.62
70	3.95	4.03	4.67	5.16	4.83	9.20
75	6.66	6.91	8.02	8.87	8.11	15.80
80	12.05	12.78	15.09	16.48	14.62	30.37

NOTE: The six scenarios can be described briefly as follows:

I – Corresponds to the medium variant of the official United Nations population projections (*World Population Prospects, 1998 Revision*).

II – This scenario amends the medium variant by assuming no migration after 1995.

III – This scenario keeps the total population figure constant at the highest level that it would reach in the absence of migration after 1995.

IV – This scenario keeps the number of persons aged 15-64 constant at the highest level that it would reach in the absence of migration after 1995.

V – This scenario prevents the ratio of persons aged 15-64 to persons aged 65 and above from falling below 3.0.

VI – This scenario keeps the ratio of persons aged 15-64 and above at the highest level that it would reach in the absence of migration after 1995.

This scenario is considered to be demographically unrealistic.