

Russian Federation

Detailed Human Capital projections to 2060

Demographic indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
Population (in millions)	143.0	142.1	138.5	134.9	132.2	128.9
Proportion age 65+	0.13	0.15	0.19	0.20	0.24	0.27
Proportion below age 20	0.21	0.22	0.21	0.19	0.20	0.20
	2005- 2010	2015- 2020	2025- 2030	2035- 2040	2045- 2050	2055- 2060
Total Fertility Rate	1.44	1.56	1.51	1.58	1.68	1.70
Life expectancy at birth (in years)						
Male	61.56	64.94	68.13	70.90	73.45	76.10
Female	74.03	76.00	78.09	79.99	81.89	83.99
Five-year immigration flow (in '000)	1399	1376	1431	1464	1466	1445
Five-year emigration flow (in '000)	267	167	151	142	129	122

Human Capital indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment						
E1 - no education	0.00	0.00	0.00	0.00	0.00	0.00
E2 - incomplete primary	0.00	0.00	0.00	0.00	0.00	0.00
E3 - primary	0.04	0.01	0.01	0.00	0.00	0.00
E4 - lower secondary	0.08	0.05	0.03	0.02	0.01	0.01
E5 - upper secondary	0.67	0.71	0.72	0.71	0.69	0.68
E6 - post-secondary	0.21	0.23	0.25	0.27	0.29	0.31
Mean years of schooling (in years)	10.44	10.93	11.24	11.53	11.80	12.05
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.65	0.80	0.89	0.89	0.90	0.93
E2 - incomplete primary	0.56	0.69	0.83	0.87	0.88	0.91
E3 - primary	0.62	0.66	0.86	1.13	1.21	1.20
E4 - lower secondary	0.92	1.00	1.15	1.24	1.21	1.14
E5 - upper secondary	1.08	1.08	1.08	1.08	1.08	1.07
E6 - post-secondary	0.88	0.81	0.79	0.79	0.82	0.87
minus female)	0.03	-0.10	-0.16	-0.15	-0.13	-0.09
Women age 20-39: highest educational attainment						
E1 - no education	0.00	0.00	0.00	0.00	0.00	0.00
E2 - incomplete primary	0.00	0.00	0.00	0.00	0.00	0.00
E3 - primary	0.00	0.00	0.00	0.00	0.00	0.00
E4 - lower secondary	0.04	0.03	0.03	0.03	0.02	0.03
E5 - upper secondary	0.72	0.70	0.68	0.66	0.64	0.63
E6 - post-secondary	0.24	0.28	0.29	0.31	0.34	0.34
Mean years of schooling (in years)	11.15	11.80	12.06	12.17	12.27	12.29

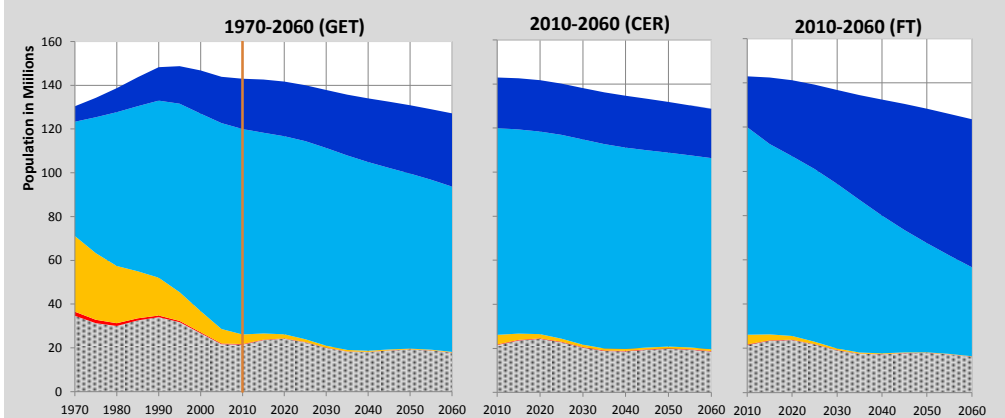
Education scenarios

GET : Global Education Trend Scenario (Medium assumption also used for SSP2)

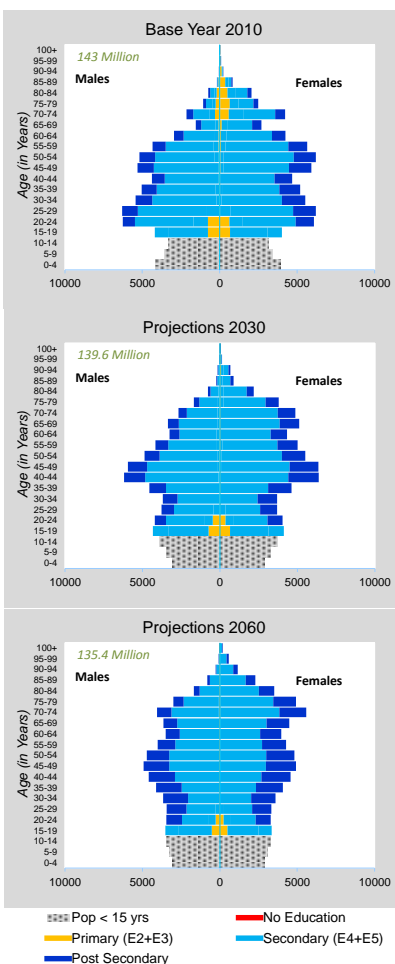
CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

FT: Fast Track Scenario (assumption of education expansion according to fastest historical experience)

Population size by educational attainment according to three education scenarios: GET, CER, and FT



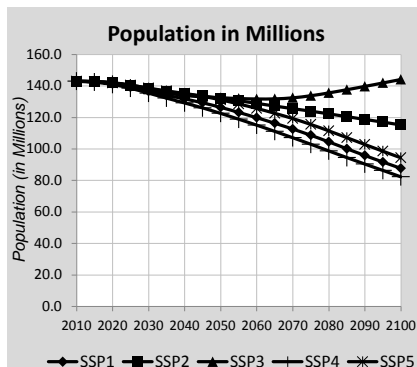
Pyramids by education, Medium Scenario



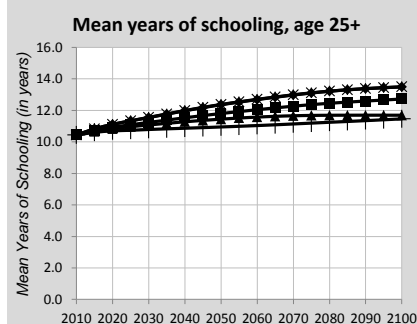
Russian Federation (Continued)

Alternative scenarios to 2100

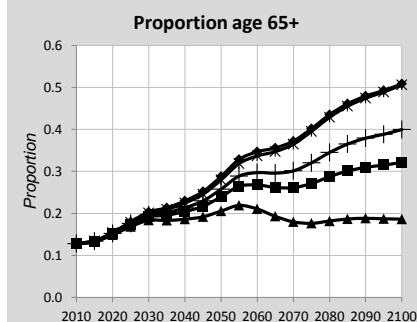
Projection results by scenario (SSP 1-5)



	2010	2020	2030	2040	2050	2075	2100
Population (in millions)							
SSP1 - Rapid Development	142.96	141.28	136.60	131.77	126.41	108.68	87.68
SSP2 - Medium	142.96	142.09	138.45	134.88	132.18	124.00	115.25
SSP3 - Stalled Development	142.96	141.94	137.85	134.01	132.52	133.81	144.13
SSP4 - Inequality	142.96	140.92	135.41	129.20	122.58	102.98	82.29
SSP5 - Conventional Dev.	142.96	141.91	138.64	135.25	131.17	115.56	94.37
Proportion age 65+							
SSP1 - Rapid Development	0.13	0.15	0.20	0.23	0.29	0.40	0.51
SSP2 - Medium	0.13	0.15	0.19	0.20	0.24	0.27	0.32
SSP3 - Stalled Development	0.13	0.15	0.18	0.19	0.21	0.18	0.19
SSP4 - Inequality	0.13	0.15	0.20	0.21	0.26	0.32	0.40
SSP5 - Conventional Dev.	0.13	0.15	0.20	0.22	0.28	0.40	0.51

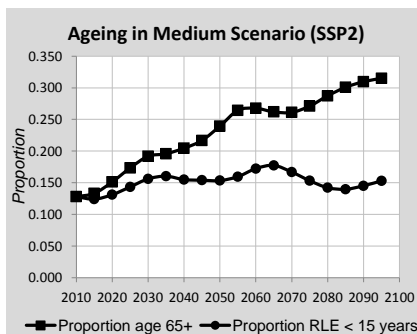


Proportion below age 20							
SSP1 - Rapid Development	0.21	0.21	0.19	0.15	0.15	0.12	0.10
SSP2 - Medium	0.21	0.22	0.21	0.19	0.20	0.19	0.18
SSP3 - Stalled Development	0.21	0.23	0.24	0.22	0.25	0.26	0.27
SSP4 - Inequality	0.21	0.22	0.19	0.16	0.16	0.14	0.13
SSP5 - Conventional Dev.	0.21	0.21	0.19	0.15	0.15	0.12	0.10
Proportion of Women age 20-39 with at least secondary education							
SSP1 - Rapid Development	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SSP2 - Medium	1.00	1.00	1.00	1.00	1.00	1.00	1.00
SSP3 - Stalled Development	1.00	0.99	0.99	0.99	0.99	0.99	0.99
SSP4 - Inequality	1.00	0.94	0.89	0.89	0.89	0.89	0.89
SSP5 - Conventional Dev.	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.44	11.11	11.55	11.98	12.36	13.11	13.50
SSP2 - Medium	10.44	10.93	11.24	11.53	11.80	12.37	12.73
SSP3 - Stalled Development	10.44	10.83	11.08	11.28	11.45	11.68	11.70
SSP4 - Inequality	10.44	10.70	10.79	10.87	10.95	11.20	11.46
SSP5 - Conventional Dev.	10.44	11.12	11.56	11.99	12.38	13.12	13.50



Demographic assumptions underlying SSPs

	2010-2015	2020-2025	2030-2035	2040-2045	2050-2055	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.49	1.28	1.19	1.21	1.24	1.26	1.27
SSP2 - Medium	1.58	1.54	1.53	1.63	1.70	1.71	1.72
SSP3 - Stalled Development	1.66	1.80	1.91	2.05	2.16	2.21	2.23
SSP4 - Inequality	1.50	1.34	1.26	1.27	1.30	1.32	1.33
SSP5 - Conventional Dev.	1.49	1.28	1.19	1.21	1.24	1.26	1.27
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.2	79.0	81.9	84.7	87.7	95.5	101.9
SSP2 - Medium	75.0	77.0	79.0	80.9	82.9	88.3	92.7
SSP3 - Stalled Development	75.3	76.1	77.1	77.9	78.9	81.6	83.9
SSP4 - Inequality	75.8	77.6	79.4	81.2	83.1	88.2	92.5
SSP5 - Conventional Dev.	76.2	79.0	81.9	84.7	87.7	95.5	101.9



Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.2	79.0	81.9	84.7	87.7	95.5	101.9
SSP2 - Medium	75.0	77.0	79.0	80.9	82.9	88.3	92.7
SSP3 - Stalled Development	75.3	76.1	77.1	77.9	78.9	81.6	83.9
SSP4 - Inequality	75.8	77.6	79.4	81.2	83.1	88.2	92.5
SSP5 - Conventional Dev.	76.2	79.0	81.9	84.7	87.7	95.5	101.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	1120	1223	1232	1150	1035	323	0
SSP2 - Medium	1155	1243	1296	1318	1308	557	0
SSP3 - Stalled Development	932	624	689	791	899	545	0
SSP4 - Inequality	1119	1224	1261	1255	1222	491	0
SSP5 - Conventional Dev.	1308	1819	1808	1656	1467	444	0

Ageing indicators, Medium Scenario (SSP2)

	2010	2020	2030	2040	2050	2075	2095
Median Age	37.81	39.63	43.37	45.59	44.59	47.57	49.76
Prospective Median Age	37.81	37.36	39.16	39.64	36.41	33.92	31.60
Proportion age 65+	0.13	0.15	0.19	0.20	0.24	0.27	0.31
Proportion RLE < 15 years	0.13	0.13	0.16	0.15	0.15	0.15	0.15