

# Kazakhstan

## Detailed Human Capital projections to 2060

Demographic indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
Population (in millions)	16.0	17.7	19.0	20.0	20.8	21.2
Proportion age 65+	0.07	0.08	0.11	0.13	0.16	0.20
Proportion below age 20	0.33	0.33	0.29	0.26	0.24	0.22
	2005-2010	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060
Total Fertility Rate	2.54	2.17	1.99	1.84	1.75	1.70
Life expectancy at birth (in years)						
Male	60.19	65.18	68.33	71.09	73.68	76.14
Female	71.52	75.21	77.40	79.39	81.39	83.39
Five-year immigration flow (in '000)	341	334	347	355	355	350
Five-year emigration flow (in '000)	334	250	254	259	246	234

Human Capital indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
<b>Population age 25+: highest educational attainment</b>						
E1 - no education	0.00	0.00	0.00	0.00	0.00	0.00
E2 - incomplete primary	0.01	0.01	0.00	0.00	0.00	0.00
E3 - primary	0.03	0.01	0.01	0.00	0.00	0.00
E4 - lower secondary	0.10	0.08	0.06	0.04	0.03	0.02
E5 - upper secondary	0.61	0.61	0.60	0.58	0.55	0.52
E6 - post-secondary	0.24	0.29	0.33	0.37	0.42	0.46
Mean years of schooling (in years)	10.57	11.26	11.69	12.10	12.42	12.69
<b>Gender gap (population age 25+): highest educational attainment (ratio male/female)</b>						
E1 - no education	0.56	0.73	0.92	0.97	0.93	0.91
E2 - incomplete primary	0.57	0.61	0.75	0.93	0.95	0.91
E3 - primary	0.55	0.54	0.72	1.00	1.11	1.07
E4 - lower secondary	1.06	1.10	1.15	1.15	1.11	1.04
E5 - upper secondary	1.08	1.07	1.07	1.08	1.08	1.06
E6 - post-secondary	0.89	0.87	0.86	0.88	0.90	0.93
minus female)	0.09	-0.04	-0.10	-0.11	-0.10	-0.08
<b>Women age 20-39: highest educational attainment</b>						
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	0.06	0.04	0.03	0.02	0.01	0.01
E5 - upper secondary	0.58	0.54	0.51	0.48	0.46	0.45
E6 - post-secondary	0.35	0.41	0.46	0.50	0.52	0.54
Mean years of schooling (in years)	11.81	12.51	12.76	12.94	13.05	13.13

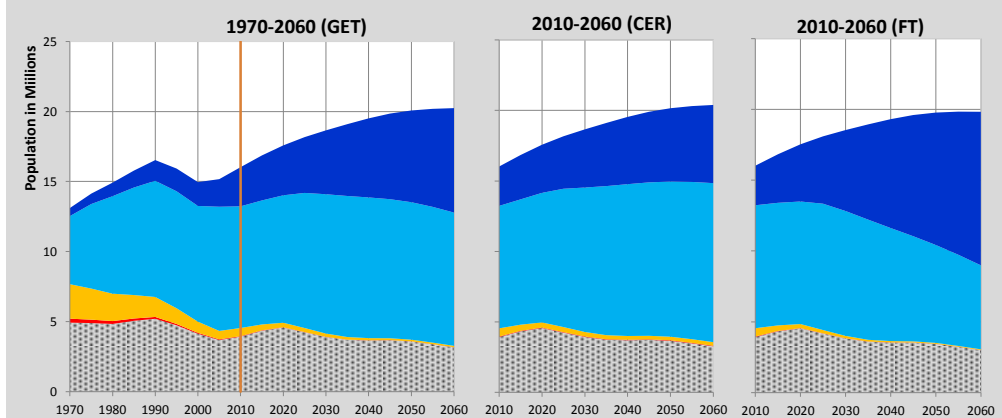
### Education scenarios

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

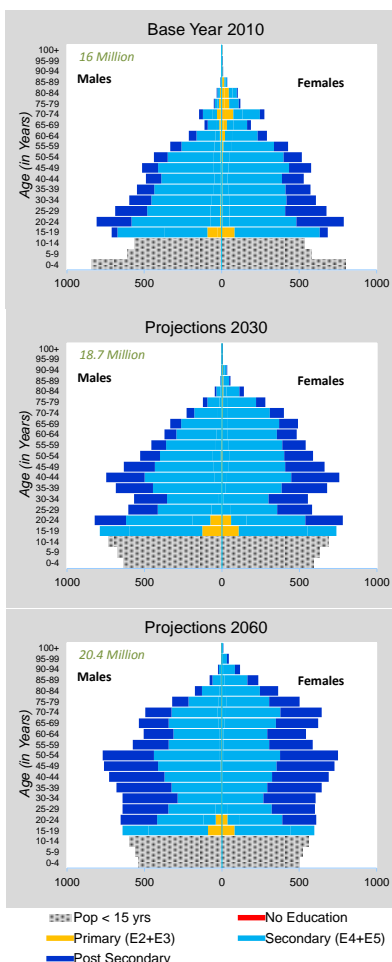
CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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



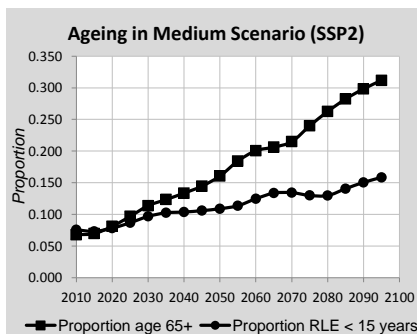
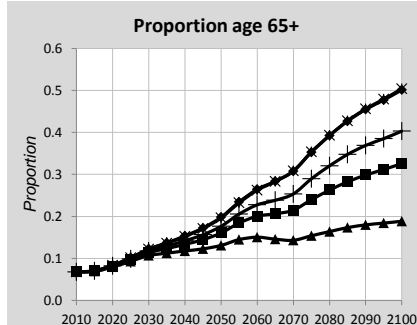
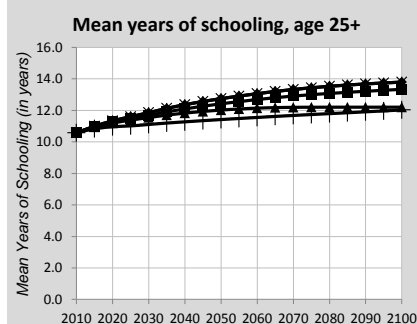
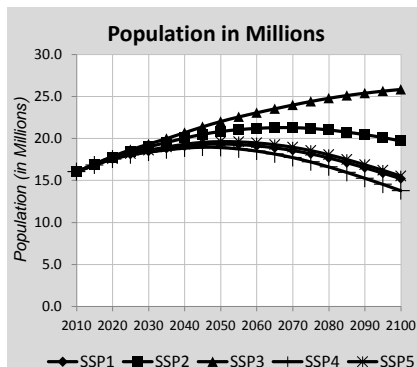
## Pyramids by education, Medium Scenario



## Kazakhstan (Continued)

### Alternative scenarios to 2100

#### Projection results by scenario (SSP 1-5)



	2010	2020	2030	2040	2050	2075	2100
<b>Population (in millions)</b>							
SSP1 - Rapid Development	16.03	17.56	18.47	19.09	19.34	18.16	15.21
SSP2 - Medium	16.03	17.75	19.00	20.04	20.83	21.20	19.71
SSP3 - Stalled Development	16.03	17.87	19.33	20.69	22.02	24.40	25.84
SSP4 - Inequality	16.03	17.53	18.37	18.85	18.92	17.20	13.78
SSP5 - Conventional Dev.	16.03	17.60	18.60	19.31	19.62	18.55	15.52
<b>Proportion age 65+</b>							
SSP1 - Rapid Development	0.07	0.08	0.12	0.15	0.20	0.35	0.50
SSP2 - Medium	0.07	0.08	0.11	0.13	0.16	0.24	0.33
SSP3 - Stalled Development	0.07	0.08	0.11	0.12	0.13	0.15	0.19
SSP4 - Inequality	0.07	0.08	0.12	0.14	0.18	0.29	0.40
SSP5 - Conventional Dev.	0.07	0.08	0.12	0.15	0.20	0.35	0.50
<b>Proportion below age 20</b>							
SSP1 - Rapid Development	0.33	0.32	0.26	0.21	0.19	0.12	0.09
SSP2 - Medium	0.33	0.33	0.29	0.26	0.24	0.19	0.17
SSP3 - Stalled Development	0.33	0.34	0.32	0.30	0.30	0.27	0.25
SSP4 - Inequality	0.33	0.32	0.27	0.22	0.20	0.14	0.12
SSP5 - Conventional Dev.	0.33	0.32	0.26	0.21	0.19	0.12	0.09
<b>Proportion of Women age 20-39 with at least secondary education</b>							
SSP1 - Rapid Development	0.99	1.00	1.00	1.00	1.00	1.00	1.00
SSP2 - Medium	0.99	1.00	1.00	1.00	1.00	1.00	1.00
SSP3 - Stalled Development	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SSP4 - Inequality	0.99	0.93	0.89	0.89	0.89	0.89	0.89
SSP5 - Conventional Dev.	0.99	1.00	1.00	1.00	1.00	1.00	1.00
<b>Mean years of schooling, age 25+</b>							
SSP1 - Rapid Development	10.57	11.34	11.85	12.36	12.75	13.44	13.80
SSP2 - Medium	10.57	11.26	11.69	12.10	12.42	13.00	13.34
SSP3 - Stalled Development	10.57	11.20	11.55	11.83	12.02	12.20	12.21
SSP4 - Inequality	10.57	10.96	11.11	11.28	11.42	11.74	12.03
SSP5 - Conventional Dev.	10.57	11.34	11.86	12.37	12.75	13.44	13.80

#### Demographic assumptions underlying SSPs

	2010-2015	2020-2025	2030-2035	2040-2045	2050-2055	2075-2080	2095-2100
<b>Total fertility rate</b>							
SSP1 - Rapid Development	2.18	1.75	1.48	1.35	1.27	1.18	1.19
SSP2 - Medium	2.32	2.07	1.92	1.79	1.71	1.58	1.61
SSP3 - Stalled Development	2.42	2.41	2.36	2.27	2.20	2.07	2.09
SSP4 - Inequality	2.19	1.80	1.55	1.41	1.33	1.24	1.25
SSP5 - Conventional Dev.	2.18	1.75	1.48	1.35	1.27	1.18	1.19
<b>Life expectancy at birth for females (in years)</b>							
SSP1 - Rapid Development	75.8	78.8	81.6	84.4	87.3	94.6	100.5
SSP2 - Medium	73.8	76.3	78.4	80.4	82.4	87.4	91.4
SSP3 - Stalled Development	75.0	76.1	77.1	78.0	78.9	81.0	82.8
SSP4 - Inequality	75.3	77.4	79.3	81.1	82.8	87.4	91.2
SSP5 - Conventional Dev.	75.8	78.8	81.6	84.4	87.3	94.6	100.5
<b>Migration – net flow over five years (in thousands)</b>							
SSP1 - Rapid Development	47	93	89	91	91	31	0
SSP2 - Medium	50	95	93	103	114	51	0
SSP3 - Stalled Development	39	47	48	61	77	50	0
SSP4 - Inequality	47	92	89	97	104	44	0
SSP5 - Conventional Dev.	55	137	128	127	124	40	0

#### Ageing indicators, Medium Scenario (SSP2)

	2010	2020	2030	2040	2050	2075	2095
Median Age	28.94	31.62	34.63	35.77	39.01	45.51	50.57
Prospective Median Age	28.94	29.02	29.99	29.17	30.55	32.44	33.77
Proportion age 65+	0.07	0.08	0.11	0.13	0.16	0.24	0.31
Proportion RLE < 15 years	0.08	0.08	0.10	0.10	0.11	0.13	0.16