

Ukraine

Detailed Human Capital projections to 2060

Demographic indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
Population (in millions)	45.4	43.0	40.6	38.4	36.6	34.8
Proportion age 65+	0.15	0.16	0.19	0.21	0.25	0.28
Proportion below age 20	0.20	0.21	0.20	0.18	0.19	0.19
	2005- 2010	2015- 2020	2025- 2030	2035- 2040	2045- 2050	2055- 2060
Total Fertility Rate	1.39	1.47	1.49	1.54	1.59	1.61
Life expectancy at birth (in years)						
Male	61.78	64.43	67.54	70.24	72.88	75.67
Female	73.55	74.89	76.99	78.89	80.89	83.19
Five-year immigration flow (in '000)	381	374	388	397	397	392
Five-year emigration flow (in '000)	422	260	223	203	181	166

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	0.01	0.00	0.00	0.00	0.00	0.00
E3 - primary	0.05	0.02	0.00	0.00	0.00	0.00
E4 - lower secondary	0.09	0.07	0.05	0.03	0.02	0.01
E5 - upper secondary	0.66	0.71	0.73	0.73	0.71	0.70
E6 - post-secondary	0.18	0.20	0.22	0.24	0.26	0.29
Mean years of schooling (in years)	10.07	10.61	10.96	11.28	11.59	11.87
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.54	0.75	0.90	0.91	0.92	0.94
E2 - incomplete primary	0.30	0.38	0.63	0.84	0.88	0.92
E3 - primary	0.72	0.70	0.91	2.40	4.43	3.48
E4 - lower secondary	0.86	0.94	1.07	1.15	1.15	1.12
E5 - upper secondary	1.08	1.06	1.06	1.06	1.06	1.05
E6 - post-secondary	0.95	0.86	0.82	0.81	0.83	0.88
minus female)	0.15	0.01	-0.05	-0.06	-0.04	-0.02
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	0.05	0.03	0.03	0.02	0.02	0.02
E5 - upper secondary	0.74	0.73	0.71	0.69	0.67	0.66
E6 - post-secondary	0.21	0.24	0.26	0.29	0.31	0.32
Mean years of schooling (in years)	10.80	11.50	11.97	12.07	12.18	12.23

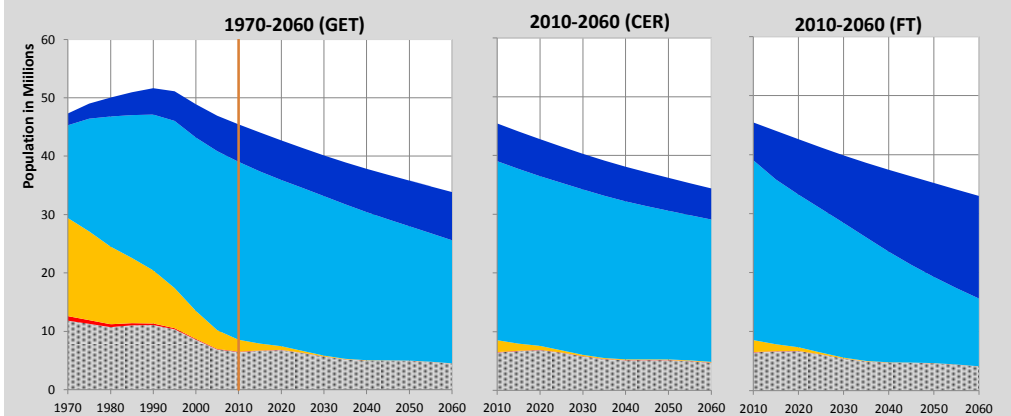
Education scenarios

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

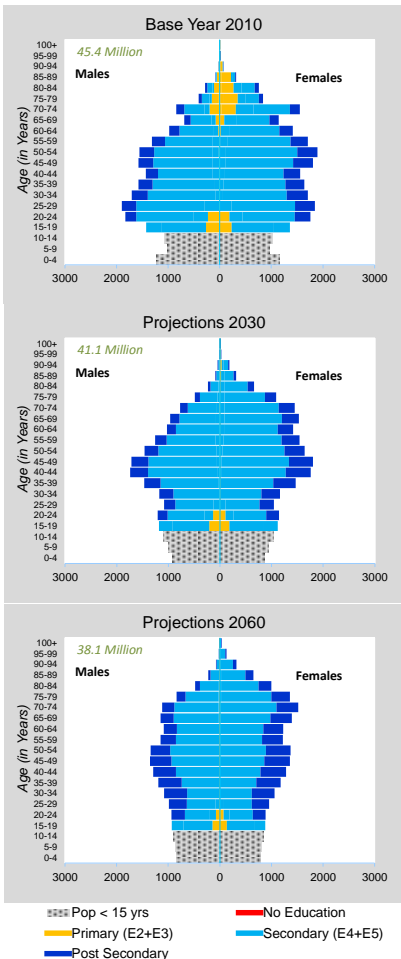
CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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

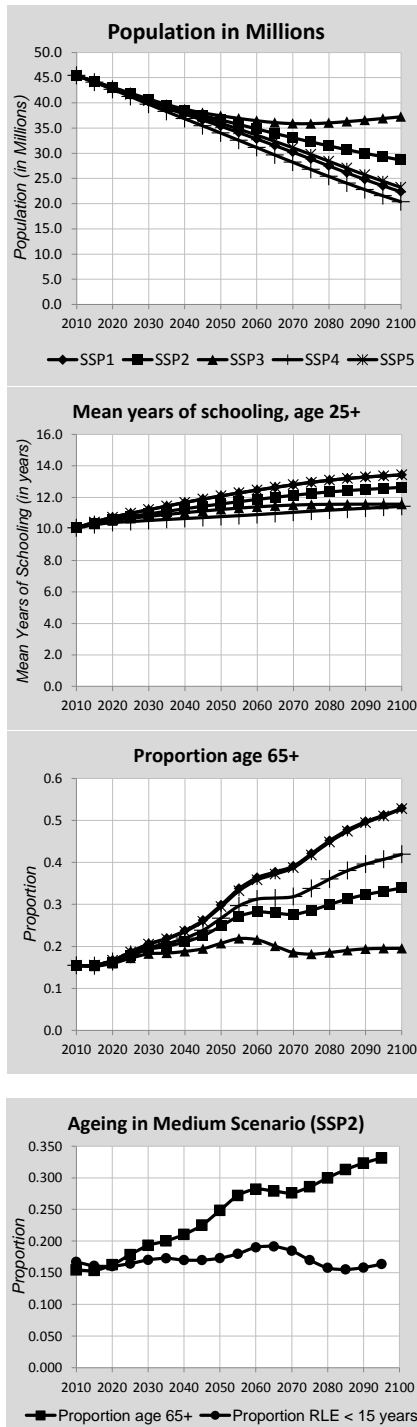
Population size by educational attainment according to three education scenarios: GET, CER, and FT



Pyramids by education, Medium Scenario



Ukraine (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	45.45	42.86	40.20	37.76	35.36	28.86	22.35
SSP2 - Medium	45.45	42.97	40.59	38.44	36.62	32.25	28.65
SSP3 - Stalled Development	45.45	43.09	40.78	38.75	37.44	35.88	37.24
SSP4 - Inequality	45.45	42.67	39.72	36.84	34.02	26.78	20.38
SSP5 - Conventional Dev.	45.45	42.91	40.42	38.17	35.96	29.77	23.23
Proportion age 65+							
SSP1 - Rapid Development	0.15	0.17	0.21	0.24	0.30	0.42	0.53
SSP2 - Medium	0.15	0.16	0.19	0.21	0.25	0.29	0.34
SSP3 - Stalled Development	0.15	0.16	0.18	0.19	0.21	0.18	0.20
SSP4 - Inequality	0.15	0.16	0.20	0.22	0.27	0.34	0.42
SSP5 - Conventional Dev.	0.15	0.17	0.21	0.24	0.29	0.42	0.53
Proportion below age 20							
SSP1 - Rapid Development	0.20	0.20	0.18	0.15	0.14	0.11	0.09
SSP2 - Medium	0.20	0.21	0.20	0.18	0.19	0.18	0.17
SSP3 - Stalled Development	0.20	0.22	0.23	0.22	0.24	0.25	0.26
SSP4 - Inequality	0.20	0.20	0.19	0.16	0.15	0.13	0.12
SSP5 - Conventional Dev.	0.20	0.20	0.18	0.15	0.14	0.11	0.09
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	1.00	1.00	1.00	1.00	1.00	1.00
SSP4 - Inequality	1.00	0.94	0.90	0.90	0.90	0.90	0.90
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	10.07	10.74	11.22	11.67	12.09	12.95	13.43
SSP2 - Medium	10.07	10.61	10.96	11.28	11.59	12.25	12.64
SSP3 - Stalled Development	10.07	10.52	10.80	11.03	11.23	11.55	11.57
SSP4 - Inequality	10.07	10.40	10.54	10.66	10.78	11.12	11.43
SSP5 - Conventional Dev.	10.07	10.74	11.22	11.68	12.10	12.96	13.43
Demographic assumptions underlying SSPs							
	2010-2015	2020-2025	2030-2035	2040-2045	2050-2055	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.38	1.23	1.17	1.16	1.17	1.20	1.22
SSP2 - Medium	1.46	1.48	1.51	1.56	1.60	1.63	1.65
SSP3 - Stalled Development	1.55	1.75	1.89	1.99	2.06	2.12	2.16
SSP4 - Inequality	1.40	1.29	1.23	1.23	1.23	1.26	1.28
SSP5 - Conventional Dev.	1.38	1.23	1.17	1.16	1.17	1.20	1.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	75.5	78.1	81.0	83.8	86.8	95.0	101.5
SSP2 - Medium	74.1	75.9	78.0	79.9	82.0	87.8	92.3
SSP3 - Stalled Development	74.6	75.2	76.1	77.0	78.1	81.1	83.5
SSP4 - Inequality	75.1	76.6	78.5	80.3	82.3	87.7	92.1
SSP5 - Conventional Dev.	75.5	78.1	81.0	83.8	86.8	95.0	101.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	49	144	173	181	177	55	0
SSP2 - Medium	52	147	181	206	221	92	0
SSP3 - Stalled Development	41	72	95	123	152	92	0
SSP4 - Inequality	49	143	175	195	204	81	0
SSP5 - Conventional Dev.	57	213	251	256	244	73	0
Ageing indicators, Medium Scenario (SSP2)							
	2010	2020	2030	2040	2050	2075	2095
Median Age	39.25	40.71	43.94	46.65	46.12	49.11	51.27
Prospective Median Age	39.25	38.60	39.66	40.66	37.87	34.99	32.58
Proportion age 65+	0.15	0.16	0.19	0.21	0.25	0.29	0.33
Proportion RLE < 15 years	0.17	0.16	0.17	0.17	0.17	0.17	0.16