Canada

Detailed Human Capital projections to 2060

Pyramids by education, CEPAM Medium Scenario

Demographic indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2040	2050	2060
Population (in millions)	35.95	37.30	39.97	42.21	44.29	46.47
Proportion age 65+	16.1%	18.4%	23.7%	25.8%	27.4%	29.4%
Proportion below age 20	21.9%	21.1%	20.9%	20.0%	19.6%	19.8%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.64	1.66	1.71	1.76	1.79	1.80
Life expectancy at birth (in years)						
Male	80.7	81.8	83.8	85.9	87.9	88.9
Female	84.4	85.5	87.7	89.9	92.0	94.2
Five-year net-migration flow (in thousands)	717.3	764.4	847.9	917.7	969.3	996.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)

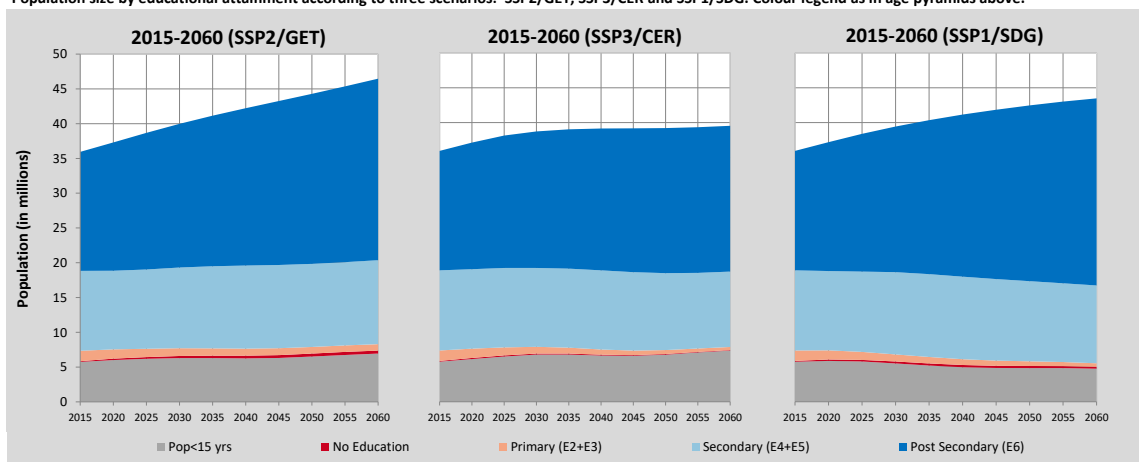|	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.4%	0.7%	1.0%	1.2%	1.3%	1.3%
E2 - incomplete primary	1.1%	1.0%	0.8%	0.8%	0.7%	0.7%
E3 - primary	4.2%	3.6%	2.8%	2.4%	2.1%	1.9%
E4 - lower secondary	9.1%	8.4%	7.3%	6.5%	5.7%	5.1%
E5 - upper secondary	22.9%	22.5%	21.9%	21.3%	20.7%	20.2%
E6 - post-secondary	62.3%	63.8%	66.1%	67.8%	69.4%	70.8%
Mean years of schooling (in years)	13.1	13.1	13.3	13.3	13.4	13.5
Gender gap (population age 25+): highest educational attainment (proportion males - proportion females)						
E1 - no education	0.0	0.0	0.0	0.0	0.0	0.0
E2 - incomplete primary	0.0	0.0	0.0	0.0	0.0	0.0
E3 - primary	1.0	1.0	0.0	0.0	0.0	0.0
E4 - lower secondary	0.0	0.0	1.0	1.0	1.0	1.0
E5 - upper secondary	-1.0	0.0	1.0	2.0	3.0	4.0
E6 - post-secondary	1.0	0.0	-2.0	-3.0	-5.0	-5.0
Mean years of schooling (male minus female)	0.1	0.0	0.0	-0.1	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.8%	0.9%	0.8%	0.6%	0.4%
E2 - incomplete primary	0.0%	0.4%	0.4%	0.4%	0.3%	0.2%
E3 - primary	0.9%	1.2%	1.3%	1.1%	0.8%	0.7%
E4 - lower secondary	7.4%	6.0%	3.8%	3.0%	2.3%	1.8%
E5 - upper secondary	23.9%	23.1%	22.5%	22.3%	21.4%	20.6%
E6 - post-secondary	67.5%	68.5%	71.0%	72.4%	74.6%	76.3%
Mean years of schooling (in years)	13.5	13.4	13.5	13.7	13.8	13.9

Education scenarios
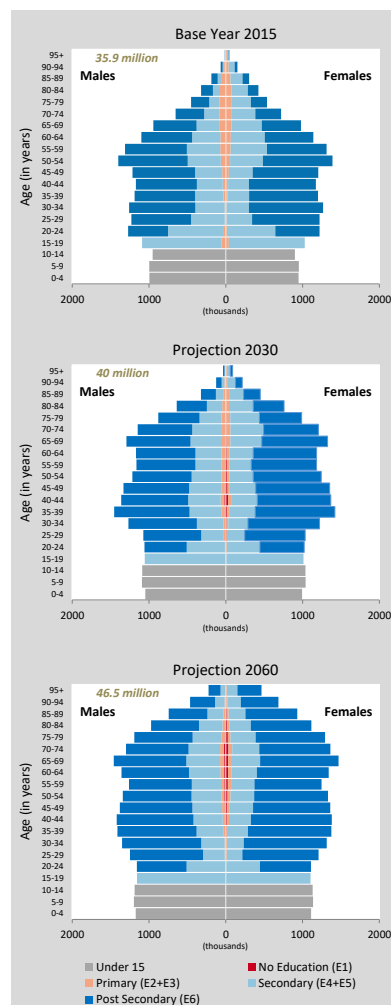*SSP2/GET: Global Education Trend Scenario (Medium assumption)*
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)
SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Base Year 2015
35.9 million
Males Females

Projection 2030
40 million
Males Females

Projection 2060
46.5 million
Males Females

Under 15 | No Education (E1)
Primary (E2+E3) | Secondary (E4+E5)
Post Secondary (E6)

Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.
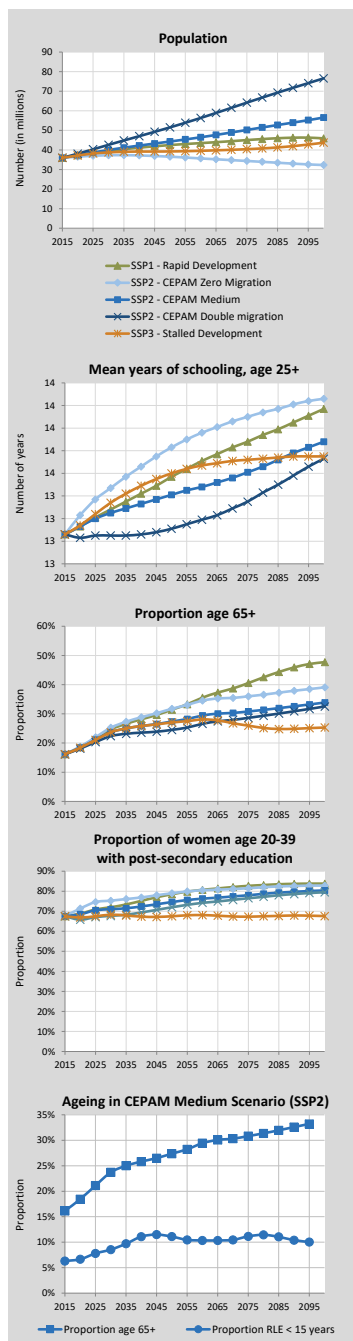

2015-2060 (SSP2/GET)   2015-2060 (SSP3/CER)   2015-2060 (SSP1/SDG)

Pop<15 yrs | No Education | Primary (E2+E3) | Secondary (E4+E5) | Post Secondary (E6)

Canada (Continued)

Population

Legend:
- SSP1 - Rapid Development
- SSP2 - CEPAM Zero Migration
- SSP2 - CEPAM Medium
- SSP2 - CEPAM Double migration
- SSP3 - Stalled Development

Mean years of schooling, age 25+

Proportion age 65+

Proportion of women age 20-39 with post-secondary education

Ageing in CEPAM Medium Scenario (SSP2)

Legend:
- Proportion age 65+
- Proportion RLE < 15 years

Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	35.95	37.21	39.45	42.48	43.48	45.03	45.90
SSP2 - CEPAM Zero Migration	35.95	36.54	37.27	36.54	35.66	34.36	32.29
SSP2 - CEPAM Medium	35.95	37.30	39.97	44.29	46.47	50.19	56.55
SSP2 - CEPAM Double Migration	35.95	38.07	42.59	51.52	56.33	64.15	76.57
SSP3 - Stalled Development	35.95	37.15	38.73	39.22	39.55	40.38	43.69
Proportion age 65+							
SSP1 - Rapid Development	16.1%	18.6%	24.7%	31.4%	35.6%	40.6%	47.7%
SSP2 - CEPAM Zero Migration	16.1%	18.8%	25.3%	31.8%	34.5%	36.0%	39.1%
SSP2 - CEPAM Medium	16.1%	18.4%	23.7%	27.4%	29.4%	30.8%	33.9%
SSP2 - CEPAM Double Migration	16.1%	18.1%	22.4%	24.5%	26.6%	28.6%	32.5%
SSP3 - Stalled Development	16.1%	18.4%	23.7%	27.1%	28.1%	26.0%	25.3%
Proportion below age 20							
SSP1 - Rapid Development	21.9%	20.8%	19.2%	15.4%	14.8%	13.3%	11.8%
SSP2 - CEPAM Zero Migration	21.9%	21.1%	20.5%	18.3%	18.5%	17.7%	17.0%
SSP2 - CEPAM Medium	21.9%	21.1%	20.9%	19.6%	19.8%	19.2%	18.4%
SSP2 - CEPAM Double Migration	21.9%	21.2%	21.3%	20.4%	20.5%	19.9%	18.8%
SSP3 - Stalled Development	21.9%	21.5%	22.6%	22.8%	24.2%	24.8%	25.2%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	67.5%	68.8%	72.0%	78.5%	80.7%	82.7%	83.8%
SSP2 - CEPAM Zero Migration	67.5%	71.4%	75.3%	79.0%	80.5%	81.5%	82.8%
SSP2 - CEPAM Medium	67.5%	68.5%	71.0%	74.6%	76.3%	78.0%	80.4%
SSP2 - CEPAM Double Migration	67.5%	65.8%	67.7%	72.0%	74.2%	76.5%	79.5%
SSP3 - Stalled Development	67.5%	66.9%	68.3%	67.5%	68.1%	67.3%	67.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	13.1	13.1	13.3	13.6	13.7	13.9	14.2
SSP2 - CEPAM Zero Migration	13.1	13.2	13.5	13.8	14.0	14.1	14.3
SSP2 - CEPAM Medium	13.1	13.1	13.3	13.4	13.5	13.6	13.9
SSP2 - CEPAM Double Migration	13.1	13.0	13.1	13.1	13.2	13.4	13.7
SSP3 - Stalled Development	13.1	13.1	13.3	13.6	13.7	13.7	13.8

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.52	1.43	1.34	1.34	1.35	1.35	1.34
SSP2 - CEPAM Zero Migration	1.64	1.66	1.72	1.80	1.80	1.80	1.78
SSP2 - CEPAM Medium	1.64	1.66	1.71	1.79	1.80	1.79	1.78
SSP2 - CEPAM Double Migration	1.64	1.65	1.71	1.79	1.79	1.79	1.78
SSP3 - Stalled Development	1.77	1.91	2.14	2.31	2.31	2.30	2.29
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.9	86.5	89.7	96.1	99.2	104.0	108.3
SSP2 - CEPAM Zero Migration	84.4	85.5	87.7	92.1	94.3	97.7	102.0
SSP2 - CEPAM Medium	84.4	85.5	87.7	92.0	94.2	97.5	101.8
SSP2 - CEPAM Double Migration	84.4	85.5	87.7	92.0	94.1	97.3	101.7
SSP3 - Stalled Development	83.9	84.5	85.7	88.1	89.3	91.1	93.4
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	717.9	759.3	813.9	863.5	853.3	798.6	684.3
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	717.3	764.4	847.9	969.3	996.8	996.4	938.2
SSP2 - CEPAM Double Migration	1433.5	1510.6	1639.0	1795.1	1803.8	1738.6	1549.7
SSP3 - Stalled Development	477.9	257.6	0.8	1.0	1.2	1.3	1.5

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	40.5	41.6	43.8	46.8	46.9	48.2	49.5
Proportion age 65+	16.1%	18.4%	23.7%	27.4%	29.4%	30.8%	33.2%
Proportion RLE < 15 years	6.3%	6.7%	8.5%	11.1%	10.3%	11.1%	10.0%