Singapore

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2040	2050	2060
Population (in millions)	5.54	5.83	6.41	6.89	7.26	7.58
Proportion age 65+	11.7%	15.0%	22.1%	26.8%	29.1%	30.9%
Proportion below age 20	21.9%	19.7%	18.2%	17.6%	16.7%	16.3%

	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.30	1.35	1.38	1.40	1.42	1.42
Life expectancy at birth (in years)						
Male	81.3	82.1	84.0	85.7	87.5	88.4
Female	85.2	86.2	88.1	90.0	91.9	93.8
Five-year net-migration flow (in thousands)	178.9	189.9	209.2	225.7	239.0	243.8

Human Capital indicators, CEPAM Medium Scenario (SSP2)

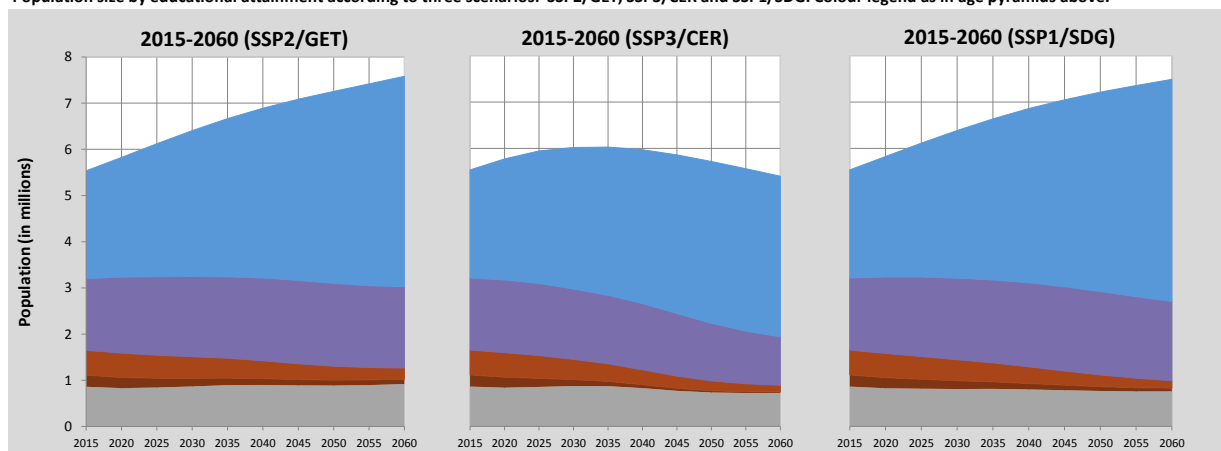|	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	6.4%	5.3%	3.5%	2.5%	2.0%	1.8%
E2 - incomplete primary	6.9%	6.0%	4.3%	3.0%	2.0%	1.4%
E3 - primary	6.5%	6.1%	5.1%	4.1%	3.2%	2.6%
E4 - lower secondary	9.7%	9.3%	8.1%	6.9%	5.7%	4.6%
E5 - upper secondary	18.6%	18.7%	18.6%	18.4%	17.8%	17.2%
E6 - post-secondary	51.8%	54.6%	60.3%	65.1%	69.3%	72.4%
Mean years of schooling (in years)	11.6	11.8	12.2	12.5	12.6	12.7
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.25	0.26	0.32	0.45	0.59	0.65
E2 - incomplete primary	1.27	1.18	1.01	0.89	0.82	0.81
E3 - primary	0.93	0.91	0.86	0.84	0.85	0.91
E4 - lower secondary	1.06	1.03	0.98	0.92	0.88	0.90
E5 - upper secondary	0.89	0.89	0.89	0.90	0.92	0.97
E6 - post-secondary	1.17	1.15	1.12	1.09	1.06	1.03
Mean years of schooling (male minus female)	0.5	0.5	0.3	0.2	0.1	0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.1%	1.0%	1.1%	1.0%	0.8%	0.5%
E2 - incomplete primary	0.7%	0.9%	0.7%	0.6%	0.4%	0.3%
E3 - primary	0.9%	1.5%	1.5%	1.3%	1.1%	1.0%
E4 - lower secondary	2.8%	3.3%	2.8%	2.4%	2.1%	1.8%
E5 - upper secondary	16.0%	18.5%	19.6%	20.1%	20.4%	20.0%
E6 - post-secondary	79.5%	74.8%	74.5%	74.6%	75.1%	76.4%
Mean years of schooling (in years)	13.1	12.7	12.7	12.7	12.8	12.9

Education scenarios

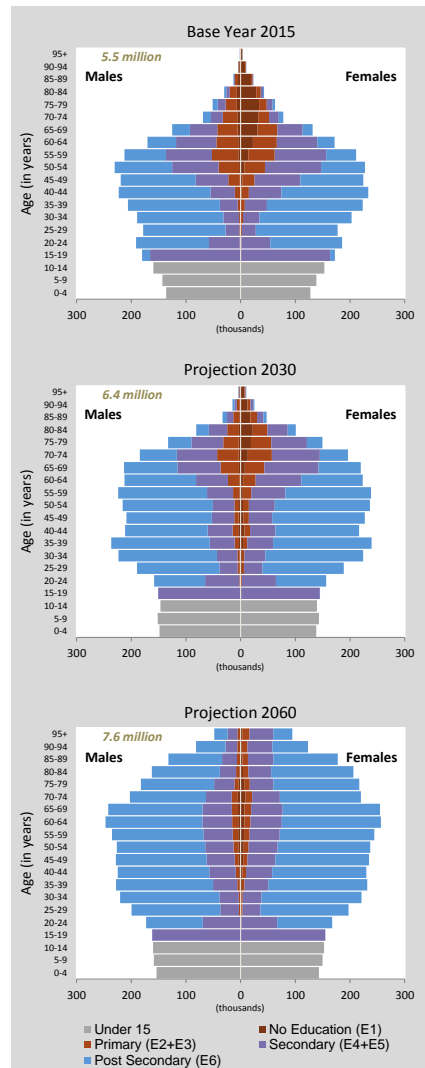*SSP2/GET: Global Education Trend Scenario (Medium assumption)*

SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)
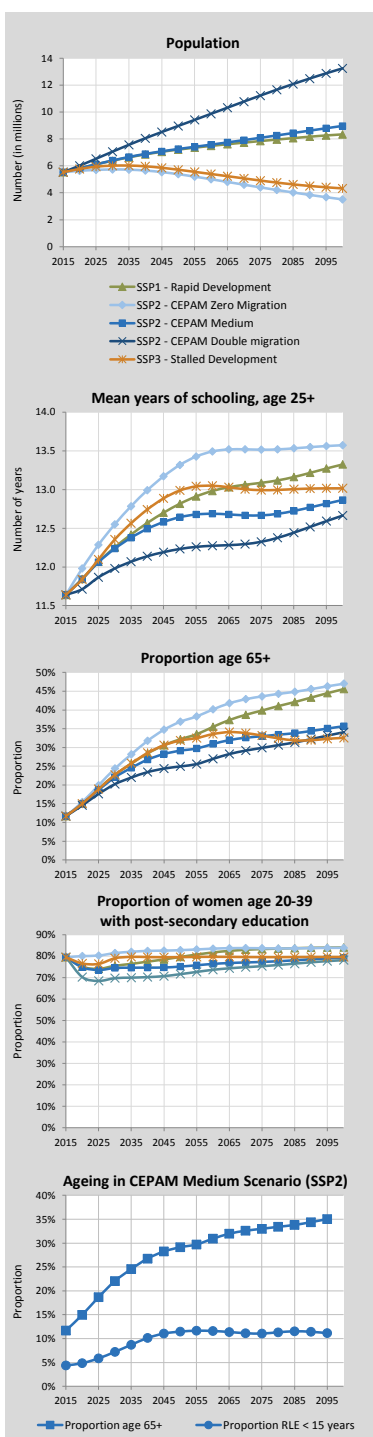
Pyramids by education, CEPAM Medium Scenario

Base Year 2015 — 5.5 million

Projection 2030 — 6.4 million

Projection 2060 — 7.6 million

Legend: 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)

Singapore (Continued)

Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	5.54	5.82	6.39	7.21	7.49	7.85	8.34
SSP2 - CEPAM Zero Migration	5.54	5.63	5.74	5.39	5.01	4.41	3.51
SSP2 - CEPAM Medium	5.54	5.83	6.41	7.26	7.58	8.09	8.97
SSP2 - CEPAM Double Migration	5.54	6.02	7.06	8.97	9.88	11.23	13.25
SSP3 - Stalled Development	5.54	5.77	6.02	5.72	5.40	4.91	4.33
Proportion age 65+							
SSP1 - Rapid Development	11.7%	15.1%	22.7%	32.2%	35.5%	39.9%	45.6%
SSP2 - CEPAM Zero Migration	11.7%	15.4%	24.4%	36.9%	40.2%	43.6%	47.0%
SSP2 - CEPAM Medium	11.7%	15.0%	22.1%	29.1%	30.9%	33.0%	35.7%
SSP2 - CEPAM Double Migration	11.7%	14.5%	20.2%	24.9%	27.0%	29.9%	34.1%
SSP3 - Stalled Development	11.7%	15.0%	22.7%	31.9%	33.6%	33.2%	32.6%
Proportion below age 20							
SSP1 - Rapid Development	21.9%	19.6%	17.3%	14.6%	13.7%	13.1%	12.1%
SSP2 - CEPAM Zero Migration	21.9%	19.6%	17.1%	14.3%	13.5%	13.2%	12.7%
SSP2 - CEPAM Medium	21.9%	19.7%	18.2%	16.7%	16.3%	16.3%	15.9%
SSP2 - CEPAM Double Migration	21.9%	19.8%	19.0%	17.9%	17.5%	17.2%	16.4%
SSP3 - Stalled Development	21.9%	19.9%	19.1%	17.6%	17.8%	18.7%	19.4%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	79.5%	75.0%	75.5%	79.6%	81.7%	83.3%	84.0%
SSP2 - CEPAM Zero Migration	79.5%	80.0%	81.4%	82.8%	83.5%	83.7%	83.9%
SSP2 - CEPAM Medium	79.5%	74.8%	74.5%	75.1%	76.4%	77.3%	79.3%
SSP2 - CEPAM Double Migration	79.5%	70.2%	69.7%	71.6%	73.6%	75.3%	78.1%
SSP3 - Stalled Development	79.5%	76.6%	79.0%	79.5%	79.7%	79.5%	79.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	11.6	11.8	12.3	12.8	13.0	13.1	13.3
SSP2 - CEPAM Zero Migration	11.6	12.0	12.5	13.3	13.5	13.5	13.6
SSP2 - CEPAM Medium	11.6	11.8	12.2	12.6	12.7	12.7	12.9
SSP2 - CEPAM Double Migration	11.6	11.7	12.0	12.2	12.3	12.3	12.7
SSP3 - Stalled Development	11.6	11.8	12.4	13.0	13.0	13.0	13.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.25	1.25	1.22	1.23	1.24	1.27	1.32
SSP2 - CEPAM Zero Migration	1.28	1.33	1.36	1.40	1.42	1.45	1.50
SSP2 - CEPAM Medium	1.30	1.35	1.38	1.42	1.43	1.46	1.51
SSP2 - CEPAM Double Migration	1.31	1.37	1.40	1.42	1.44	1.47	1.51
SSP3 - Stalled Development	1.38	1.52	1.64	1.74	1.76	1.81	1.87
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	85.7	87.2	90.1	95.9	98.8	103.1	109.0
SSP2 - CEPAM Zero Migration	85.2	86.2	88.1	92.0	94.0	96.9	100.7
SSP2 - CEPAM Medium	85.2	86.2	88.1	91.9	93.8	96.6	100.4
SSP2 - CEPAM Double Migration	85.2	86.2	88.1	91.8	93.6	96.4	100.3
SSP3 - Stalled Development	84.7	85.2	86.1	88.0	88.9	90.2	92.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	179.1	188.9	201.9	217.0	216.7	207.3	181.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	178.9	189.9	209.2	239.0	247.0	249.5	238.8
SSP2 - CEPAM Double Migration	357.8	374.6	400.8	433.1	435.2	421.0	379.9
SSP3 - Stalled Development	119.2	64.2	0.2	0.3	0.3	0.4	0.4

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	40.0	42.0	45.0	49.3	50.0	50.7	52.2
Proportion age 65+	11.7%	15.0%	22.1%	29.1%	30.9%	33.0%	35.0%
Proportion RLE < 15 years	4.4%	4.7%	6.6%	11.1%	11.7%	11.1%	11.2%

Population

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)