Australia

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)	23.80	25.13	27.75	30.18	32.57	34.91
Proportion age 65+	15.0%	16.5%	20.0%	22.7%	24.8%	27.5%
Proportion below age 20	25.1%	24.6%	23.7%	22.1%	21.1%	20.6%

	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.88	1.86	1.84	1.82	1.80	1.80
Life expectancy at birth (in years)						
Male	81.3	82.3	84.4	86.5	88.7	89.7
Female	85.0	86.1	88.3	90.4	92.6	94.7
Five-year net-migration flow (in thousands)	541.8	574.4	630.6	676.3	708.3	717.9

Human Capital indicators, CEPAM Medium Scenario (SSP2)

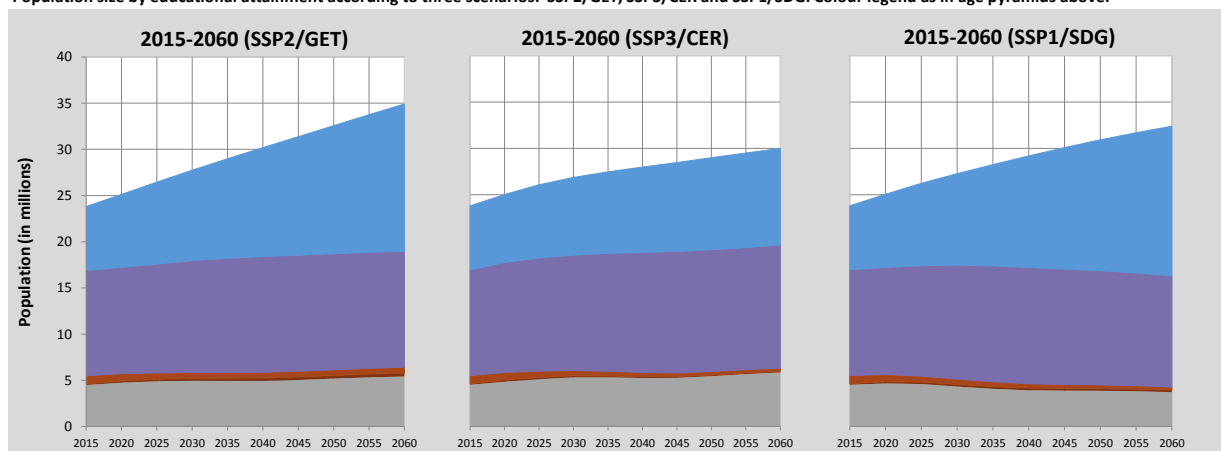|	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	0.8%	1.0%	1.3%	1.4%	1.4%	1.4%
E2 - incomplete primary	0.0%	0.2%	0.4%	0.6%	0.7%	0.7%
E3 - primary	5.1%	4.0%	2.8%	2.1%	1.9%	1.8%
E4 - lower secondary	4.3%	4.1%	3.6%	3.3%	3.0%	2.9%
E5 - upper secondary	50.2%	48.5%	45.6%	42.3%	38.8%	35.5%
E6 - post-secondary	39.7%	42.1%	46.3%	50.3%	54.1%	57.8%
Mean years of schooling (in years)	13.1	13.3	13.6	13.9	14.1	14.4
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.73	0.74	0.75	0.75	0.73	0.71
E2 - incomplete primary	1.04	1.05	1.04	1.03	1.02	0.99
E3 - primary	0.76	0.80	0.89	0.98	1.04	1.05
E4 - lower secondary	0.81	0.87	0.96	1.04	1.10	1.12
E5 - upper secondary	1.20	1.20	1.20	1.22	1.24	1.27
E6 - post-secondary	0.84	0.84	0.85	0.85	0.86	0.87
Mean years of schooling (male minus female)	0.0	0.0	-0.1	-0.1	-0.1	-0.1
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	0.2%	0.9%	0.9%	0.7%	0.5%	0.3%
E2 - incomplete primary	0.0%	0.4%	0.5%	0.4%	0.3%	0.2%
E3 - primary	0.9%	1.3%	1.2%	0.9%	0.8%	0.6%
E4 - lower secondary	2.0%	2.3%	1.9%	1.6%	1.4%	1.2%
E5 - upper secondary	52.0%	46.7%	41.3%	37.5%	34.0%	30.9%
E6 - post-secondary	45.0%	48.4%	54.3%	58.8%	63.1%	66.6%
Mean years of schooling (in years)	14.4	14.4	14.6	14.7	14.9	15.1

Education scenarios

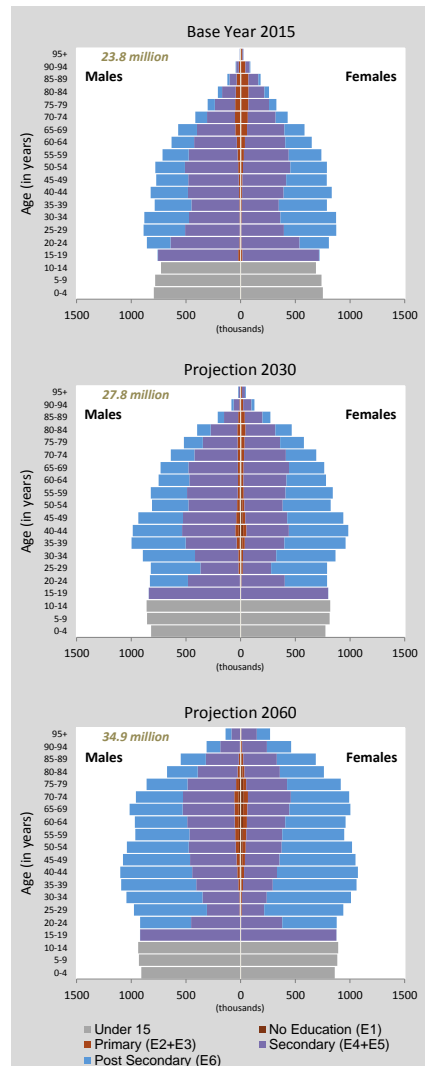*SSP2/GET: Global Education Trend Scenario (Medium assumption)*

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

Projection 2030

Projection 2060

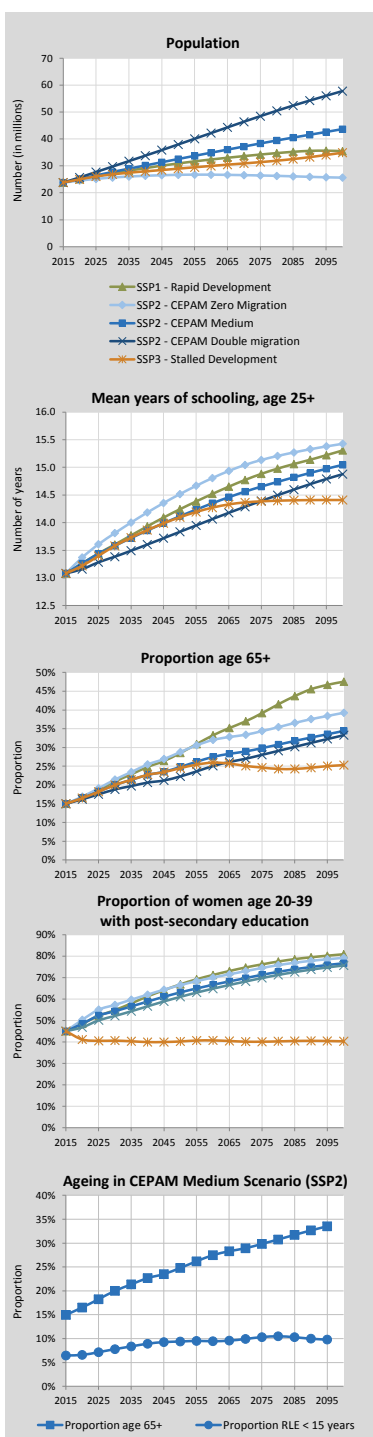Legend: Under 15 · No Education (E1) · Primary (E2+E3) · Secondary (E4+E5) · Post Secondary (E6)

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)

Australia (Continued)

Population

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)

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	23.80	25.05	27.27	30.92	32.39	34.23	35.49
SSP2 - CEPAM Zero Migration	23.80	24.54	25.68	26.69	26.74	26.45	25.64
SSP2 - CEPAM Medium	23.80	25.13	27.75	32.57	34.91	38.35	43.69
SSP2 - CEPAM Double Migration	23.80	25.71	29.76	37.97	42.21	48.50	57.83
SSP3 - Stalled Development	23.80	25.01	26.86	28.98	30.00	31.41	34.93
Proportion age 65+							
SSP1 - Rapid Development	15.0%	16.7%	20.9%	28.5%	33.3%	39.2%	47.5%
SSP2 - CEPAM Zero Migration	15.0%	16.9%	21.4%	28.8%	32.0%	34.4%	39.2%
SSP2 - CEPAM Medium	15.0%	16.5%	20.0%	24.8%	27.5%	29.8%	34.4%
SSP2 - CEPAM Double Migration	15.0%	16.2%	18.8%	22.3%	25.1%	28.0%	33.3%
SSP3 - Stalled Development	15.0%	16.5%	20.0%	24.5%	26.0%	24.6%	25.3%
Proportion below age 20							
SSP1 - Rapid Development	25.1%	24.2%	21.7%	16.8%	15.5%	13.6%	11.8%
SSP2 - CEPAM Zero Migration	25.1%	24.6%	23.3%	20.0%	19.5%	18.1%	16.9%
SSP2 - CEPAM Medium	25.1%	24.6%	23.7%	21.1%	20.6%	19.5%	18.3%
SSP2 - CEPAM Double Migration	25.1%	24.5%	24.0%	21.8%	21.2%	20.1%	18.6%
SSP3 - Stalled Development	25.1%	24.9%	25.6%	24.6%	25.3%	25.3%	25.3%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	45.0%	48.4%	54.8%	66.8%	71.2%	76.1%	80.9%
SSP2 - CEPAM Zero Migration	45.0%	50.3%	57.2%	66.5%	70.0%	74.5%	79.2%
SSP2 - CEPAM Medium	45.0%	48.4%	54.3%	63.1%	66.6%	71.3%	76.7%
SSP2 - CEPAM Double Migration	45.0%	46.8%	52.1%	61.0%	64.8%	69.8%	75.6%
SSP3 - Stalled Development	45.0%	41.1%	40.6%	40.2%	40.7%	40.1%	40.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	13.1	13.3	13.6	14.2	14.5	14.9	15.3
SSP2 - CEPAM Zero Migration	13.1	13.4	13.8	14.5	14.8	15.1	15.4
SSP2 - CEPAM Medium	13.1	13.3	13.6	14.1	14.4	14.7	15.0
SSP2 - CEPAM Double Migration	13.1	13.2	13.4	13.8	14.1	14.4	14.9
SSP3 - Stalled Development	13.1	13.2	13.6	14.1	14.3	14.4	14.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.75	1.61	1.44	1.34	1.34	1.34	1.34
SSP2 - CEPAM Zero Migration	1.87	1.86	1.84	1.80	1.79	1.79	1.78
SSP2 - CEPAM Medium	1.88	1.86	1.84	1.80	1.79	1.79	1.78
SSP2 - CEPAM Double Migration	1.88	1.87	1.84	1.80	1.80	1.79	1.78
SSP3 - Stalled Development	2.01	2.14	2.27	2.33	2.33	2.33	2.33
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	85.5	87.1	90.3	96.6	99.7	104.5	108.1
SSP2 - CEPAM Zero Migration	85.0	86.1	88.3	92.7	94.9	98.2	102.5
SSP2 - CEPAM Medium	85.0	86.1	88.3	92.6	94.7	98.0	102.3
SSP2 - CEPAM Double Migration	85.0	86.1	88.2	92.5	94.6	97.8	102.2
SSP3 - Stalled Development	84.5	85.1	86.3	88.6	89.8	91.5	93.8
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	542.3	571.6	610.6	650.8	644.4	608.4	528.0
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	541.8	574.4	630.6	708.3	722.8	715.8	663.5
SSP2 - CEPAM Double Migration	1083.6	1133.2	1208.7	1281.6	1267.2	1192.3	1023.2
SSP3 - Stalled Development	361.0	194.1	0.6	0.8	0.9	1.0	1.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	37.4	38.4	40.9	44.1	45.4	47.6	49.8
Proportion age 65+	15.0%	16.5%	20.0%	24.8%	27.5%	29.8%	33.5%
Proportion RLE < 15 years	6.5%	6.4%	7.5%	9.4%	9.6%	10.2%	9.7%