

New Zealand

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	4.61	4.80	5.15	5.44	5.69	5.91
Proportion age 65+	14.6%	16.4%	20.7%	23.6%	24.5%	26.9%
Proportion below age 20	26.9%	25.7%	24.1%	22.6%	21.5%	20.8%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.95	1.92	1.85	1.81	1.80	1.79
Life expectancy at birth (in years)						
Male	80.4	81.5	83.5	85.6	87.6	88.7
Female	83.7	84.8	86.9	89.0	91.1	93.2
Five-year net-migration flow (in thousands)	42.1	45.9	52.6	58.2	62.3	64.0

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	1.6%	1.8%	1.9%	1.9%	1.8%	1.6%
E2 - incomplete primary	0.0%	0.2%	0.4%	0.5%	0.6%	0.6%
E3 - primary	12.3%	10.1%	6.8%	4.7%	3.3%	2.5%
E4 - lower secondary	10.0%	9.5%	8.4%	7.3%	6.1%	5.1%
E5 - upper secondary	33.3%	33.8%	34.3%	34.1%	33.2%	31.8%
E6 - post-secondary	42.7%	44.6%	48.2%	51.6%	55.0%	58.4%
Mean years of schooling (in years)	13.0	13.2	13.5	13.8	14.1	14.3
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	-4.0	-4.0	-3.0	-2.0	-1.0	1.0
E6 - post-secondary	6.0	5.0	3.0	1.0	-1.0	-2.0
Mean years of schooling (in years)	13.0	13.2	13.5	13.8	14.1	14.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.2%	1.5%	1.2%	0.9%	0.6%	0.4%
E2 - incomplete primary	0.0%	0.3%	0.4%	0.3%	0.2%	0.2%
E3 - primary	3.2%	2.8%	1.5%	0.9%	0.6%	0.5%
E4 - lower secondary	6.1%	5.4%	3.6%	2.5%	1.8%	1.3%
E5 - upper secondary	39.6%	38.3%	37.3%	34.6%	31.7%	28.8%
E6 - post-secondary	49.8%	51.6%	56.0%	60.7%	65.0%	68.8%
Mean years of schooling (in years)	14.0	14.0	14.3	14.5	14.7	14.9

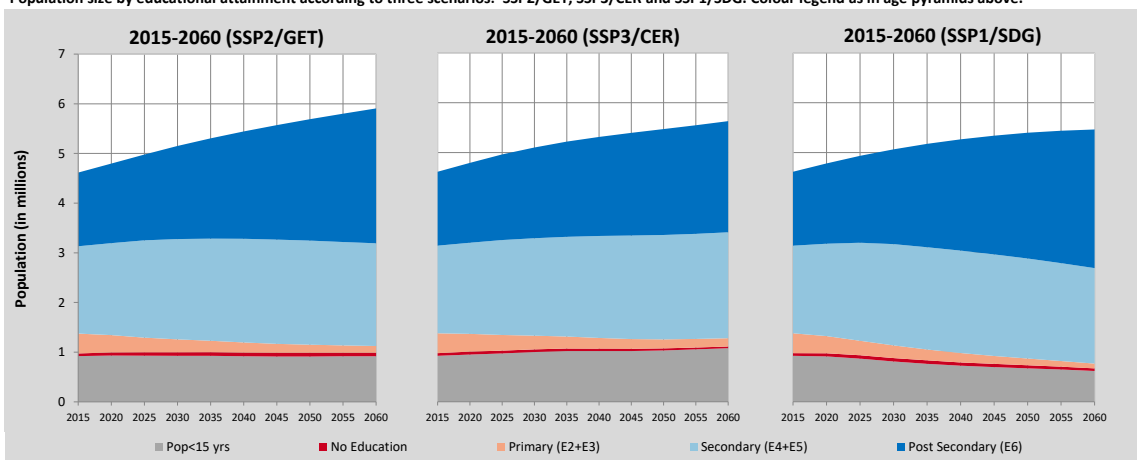
Education scenarios

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

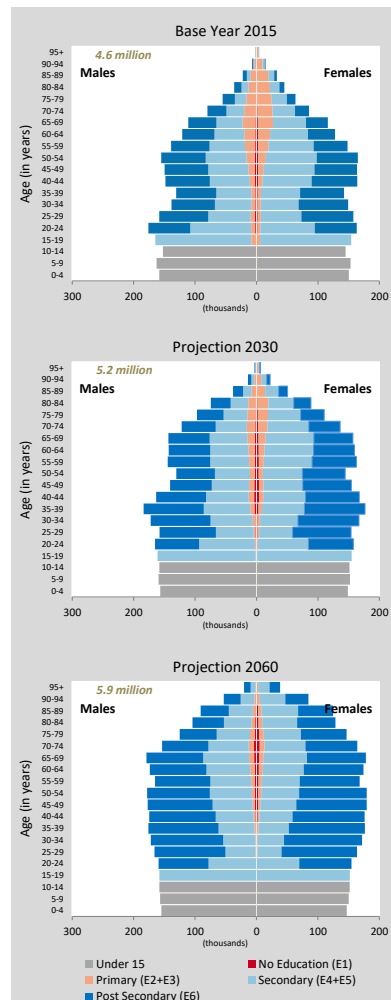
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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

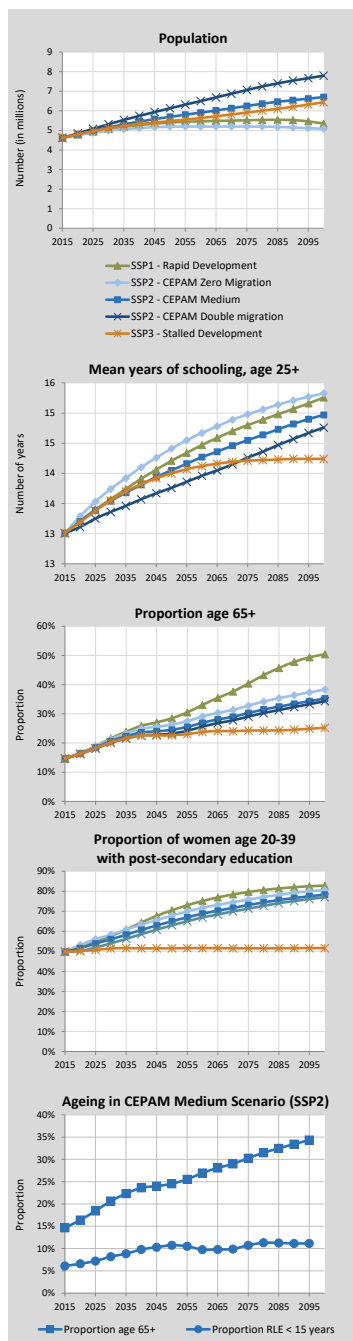
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



New Zealand (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	4.61	4.78	5.07	5.40	5.46	5.51	5.34
SSP2 - CEPAM Zero Migration	4.61	4.75	4.98	5.18	5.20	5.19	5.08
SSP2 - CEPAM Medium	4.61	4.80	5.15	5.69	5.91	6.25	6.70
SSP2 - CEPAM Double Migration	4.61	4.84	5.31	6.13	6.50	7.06	7.79
SSP3 - Stalled Development	4.61	4.79	5.10	5.47	5.63	5.91	6.44
Proportion age 65+							
SSP1 - Rapid Development	14.6%	16.5%	21.6%	28.5%	33.1%	40.4%	50.4%
SSP2 - CEPAM Zero Migration	14.6%	16.5%	21.3%	26.3%	29.1%	32.8%	38.3%
SSP2 - CEPAM Medium	14.6%	16.4%	20.7%	24.5%	26.9%	30.3%	35.2%
SSP2 - CEPAM Double Migration	14.6%	16.3%	20.1%	23.3%	25.6%	29.1%	34.3%
SSP3 - Stalled Development	14.6%	16.3%	20.2%	22.6%	23.8%	24.3%	25.2%
Proportion below age 20							
SSP1 - Rapid Development	26.9%	25.3%	22.2%	17.0%	15.5%	13.4%	11.3%
SSP2 - CEPAM Zero Migration	26.9%	25.7%	23.9%	20.9%	20.1%	18.7%	17.2%
SSP2 - CEPAM Medium	26.9%	25.7%	24.1%	21.5%	20.8%	19.7%	18.2%
SSP2 - CEPAM Double Migration	26.9%	25.7%	24.3%	22.0%	21.3%	20.2%	18.7%
SSP3 - Stalled Development	26.9%	26.0%	25.7%	25.0%	25.2%	25.1%	24.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	49.8%	52.0%	57.6%	70.5%	75.1%	79.6%	82.8%
SSP2 - CEPAM Zero Migration	49.8%	53.2%	58.3%	67.8%	71.7%	75.8%	80.6%
SSP2 - CEPAM Medium	49.8%	51.6%	56.0%	65.0%	68.8%	73.1%	78.3%
SSP2 - CEPAM Double Migration	49.8%	50.1%	54.0%	63.0%	66.9%	71.3%	77.0%
SSP3 - Stalled Development	49.8%	50.2%	51.4%	51.5%	51.6%	51.5%	51.6%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	13.0	13.2	13.6	14.2	14.5	14.8	15.3
SSP2 - CEPAM Zero Migration	13.0	13.3	13.7	14.4	14.7	15.0	15.3
SSP2 - CEPAM Medium	13.0	13.2	13.5	14.1	14.3	14.6	15.0
SSP2 - CEPAM Double Migration	13.0	13.1	13.4	13.8	14.0	14.3	14.8
SSP3 - Stalled Development	13.0	13.2	13.6	14.0	14.1	14.2	14.2
Demographic assumptions underlying SSPs							
	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.81	1.66	1.44	1.35	1.34	1.34	1.34
SSP2 - CEPAM Zero Migration	1.95	1.92	1.85	1.80	1.80	1.79	1.79
SSP2 - CEPAM Medium	1.95	1.92	1.85	1.80	1.79	1.79	1.78
SSP2 - CEPAM Double Migration	1.95	1.92	1.84	1.80	1.79	1.78	1.78
SSP3 - Stalled Development	2.06	2.13	2.21	2.25	2.25	2.25	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.2	85.8	88.9	95.1	98.2	102.9	106.8
SSP2 - CEPAM Zero Migration	83.7	84.8	86.9	91.2	93.3	96.5	100.7
SSP2 - CEPAM Medium	83.7	84.8	86.9	91.1	93.2	96.4	100.6
SSP2 - CEPAM Double Migration	83.7	84.8	86.9	91.0	93.1	96.3	100.5
SSP3 - Stalled Development	83.2	83.8	84.9	87.1	88.3	89.9	92.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	42.1	45.4	49.3	52.7	51.4	45.2	34.7
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	42.1	45.9	52.6	62.3	64.0	61.5	53.4
SSP2 - CEPAM Double Migration	84.1	89.5	97.8	106.2	103.6	91.0	67.2
SSP3 - Stalled Development	28.1	15.6	0.1	0.1	0.1	0.1	0.1
Ageing indicators, CEPAM Medium Scenario (SSP2)							
	2015	2020	2030	2050	2060	2075	2095
Median age	37.3	38.0	40.0	43.9	45.5	47.8	50.5
Proportion age 65+	14.6%	16.4%	20.7%	24.5%	26.9%	30.3%	34.3%
Proportion RLE < 15 years	6.1%	6.6%	8.2%	10.8%	9.8%	10.7%	11.1%