

# 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	5.45	5.70	5.92
Proportion age 65+	14.6%	16.4%	20.6%	23.6%	24.5%	26.9%
Proportion below age 20	26.9%	25.7%	24.2%	22.7%	21.6%	20.8%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.96	1.91	1.85	1.82	1.80	1.79
Life expectancy at birth (in years)						
Male	80.5	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	58.4	62.7	64.1

### Human Capital indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2040	2050	2060
<b>Population age 25+: highest educational attainment (columns sum to 100%)</b>						
E1 - no education	1.3%	1.6%	1.8%	1.9%	1.9%	1.7%
E2 - incomplete primary	0.0%	0.2%	0.4%	0.5%	0.6%	0.6%
E3 - primary	11.1%	9.4%	6.7%	4.7%	3.3%	2.5%
E4 - lower secondary	11.0%	10.2%	8.7%	7.3%	6.1%	5.1%
E5 - upper secondary	34.4%	34.3%	34.2%	33.8%	32.7%	31.2%
E6 - post-secondary	42.2%	44.3%	48.2%	51.8%	55.4%	58.9%
Mean years of schooling (in years)	13.0	13.2	13.5	13.8	14.0	14.2
<b>Gender gap (population age 25+): highest educational attainment (ratio male/female)</b>						
E1 - no education	1.03	0.96	0.90	0.87	0.84	0.81
E2 - incomplete primary	1.09	1.05	1.04	1.03	1.01	0.99
E3 - primary	1.04	1.04	1.03	1.04	1.08	1.09
E4 - lower secondary	0.98	1.01	1.06	1.13	1.19	1.23
E5 - upper secondary	0.86	0.88	0.91	0.95	0.99	1.03
E6 - post-secondary	1.12	1.09	1.05	1.02	0.99	0.97
Mean years of schooling (male minus female)	0.0	0.0	0.0	0.0	0.0	0.0
<b>Women age 20-39: highest educational attainment (columns sum to 100%)</b>						
E1 - no education	1.3%	1.6%	1.3%	1.1%	0.7%	0.4%
E2 - incomplete primary	0.0%	0.3%	0.4%	0.3%	0.2%	0.2%
E3 - primary	3.8%	3.3%	1.8%	1.0%	0.7%	0.6%
E4 - lower secondary	7.3%	6.4%	4.3%	3.0%	2.2%	1.7%
E5 - upper secondary	39.1%	38.1%	37.2%	35.2%	32.7%	30.0%
E6 - post-secondary	48.4%	50.3%	55.0%	59.3%	63.5%	67.1%
Mean years of schooling (in years)	13.9	13.9	14.2	14.4	14.7	14.8

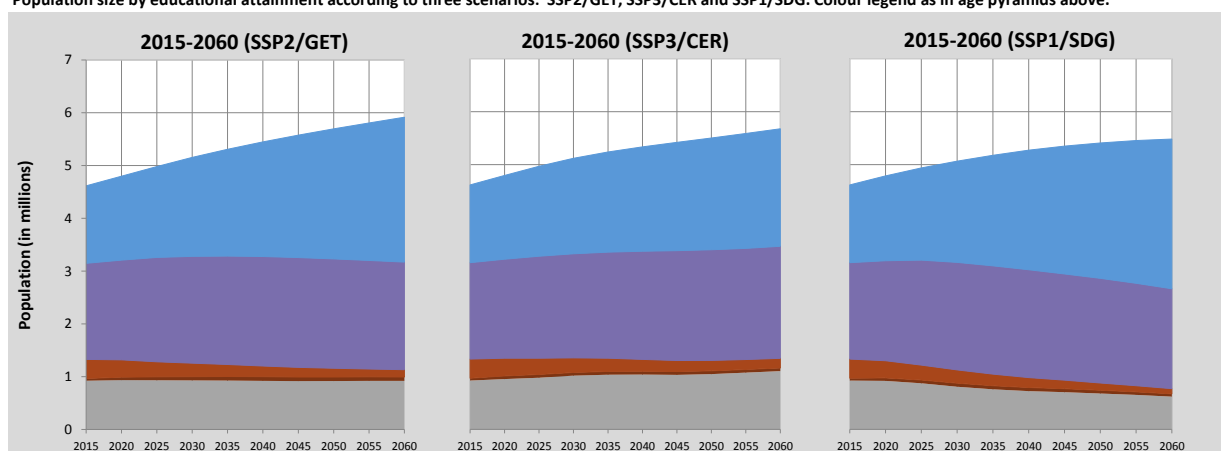
### Education scenarios

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

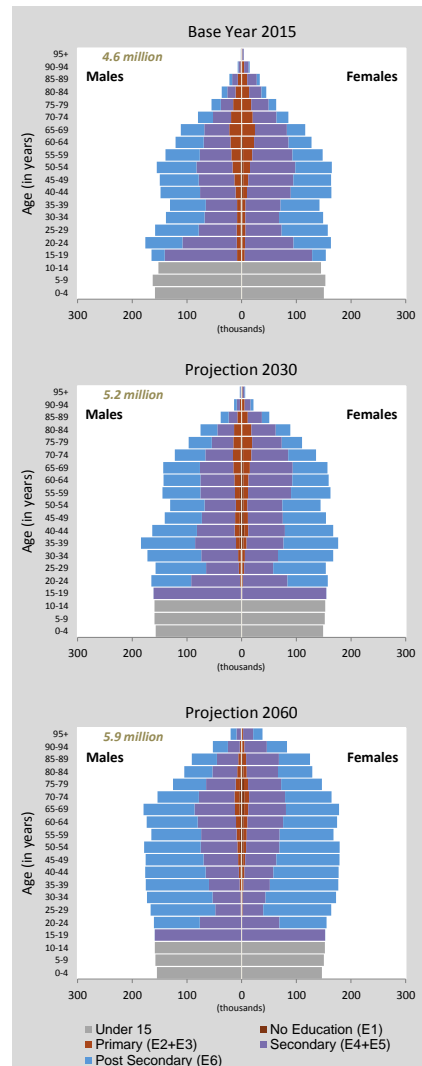
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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

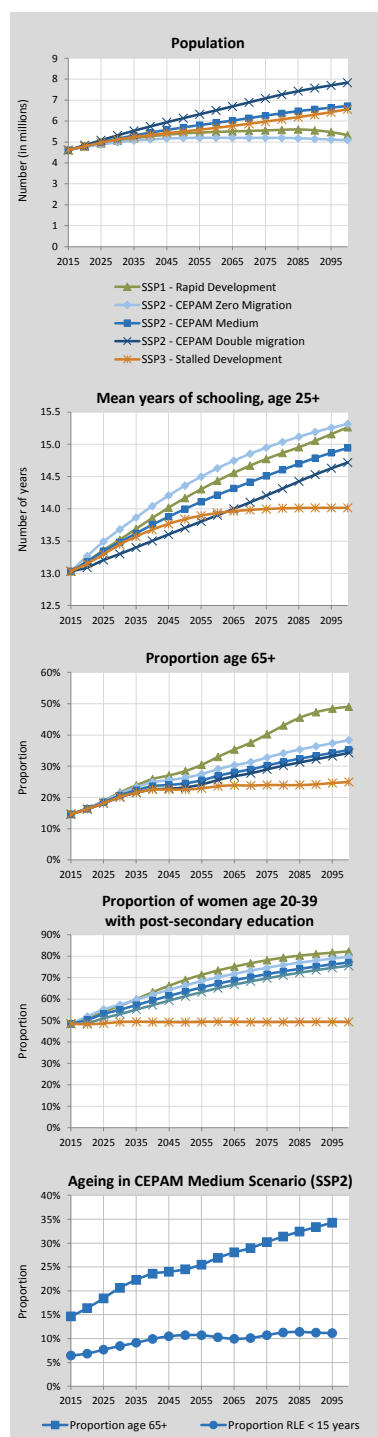
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



## 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
<b>Population (in millions)</b>							
SSP1 - Rapid Development	4.61	4.79	5.06	5.41	5.48	5.55	5.33
SSP2 - CEPAM Zero Migration	4.61	4.75	4.98	5.19	5.20	5.20	5.09
SSP2 - CEPAM Medium	4.61	4.80	5.15	5.70	5.92	6.26	6.72
SSP2 - CEPAM Double Migration	4.61	4.85	5.32	6.14	6.51	7.08	7.84
SSP3 - Stalled Development	4.61	4.80	5.12	5.50	5.68	5.98	6.56
<b>Proportion age 65+</b>							
SSP1 - Rapid Development	14.6%	16.5%	21.6%	28.4%	33.0%	40.2%	49.0%
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%	20.6%	24.5%	26.9%	30.2%	35.2%
SSP2 - CEPAM Double Migration	14.6%	16.2%	20.1%	23.2%	25.6%	29.0%	34.2%
SSP3 - Stalled Development	14.6%	16.3%	20.2%	22.5%	23.6%	24.0%	24.9%
<b>Proportion below age 20</b>							
SSP1 - Rapid Development	26.9%	25.4%	22.1%	17.1%	15.5%	13.4%	11.5%
SSP2 - CEPAM Zero Migration	26.9%	25.7%	24.0%	20.9%	20.1%	18.7%	17.1%
SSP2 - CEPAM Medium	26.9%	25.7%	24.2%	21.6%	20.8%	19.7%	18.2%
SSP2 - CEPAM Double Migration	26.9%	25.7%	24.4%	22.0%	21.3%	20.2%	18.6%
SSP3 - Stalled Development	26.9%	26.0%	25.9%	25.2%	25.4%	25.3%	25.1%
<b>Proportion of women age 20-39 with post-secondary education</b>							
SSP1 - Rapid Development	48.4%	50.8%	56.8%	68.9%	73.3%	78.1%	82.1%
SSP2 - CEPAM Zero Migration	48.4%	51.8%	57.3%	66.3%	70.1%	74.6%	79.6%
SSP2 - CEPAM Medium	48.4%	50.3%	55.0%	63.5%	67.1%	71.6%	77.0%
SSP2 - CEPAM Double Migration	48.4%	48.7%	53.0%	61.2%	65.0%	69.6%	75.5%
SSP3 - Stalled Development	48.4%	48.2%	49.2%	49.2%	49.4%	49.2%	49.3%
<b>Mean years of schooling, age 25+</b>							
SSP1 - Rapid Development	13.0	13.2	13.5	14.2	14.4	14.8	15.3
SSP2 - CEPAM Zero Migration	13.0	13.3	13.7	14.4	14.6	14.9	15.3
SSP2 - CEPAM Medium	13.0	13.2	13.5	14.0	14.2	14.5	14.9
SSP2 - CEPAM Double Migration	13.0	13.1	13.3	13.7	13.9	14.2	14.7
SSP3 - Stalled Development	13.0	13.2	13.4	13.8	13.9	14.0	14.0

## Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
<b>Total fertility rate</b>							
SSP1 - Rapid Development	1.83	1.65	1.45	1.35	1.34	1.34	1.34
SSP2 - CEPAM Zero Migration	1.96	1.91	1.85	1.81	1.79	1.79	1.79
SSP2 - CEPAM Medium	1.96	1.91	1.85	1.80	1.79	1.79	1.78
SSP2 - CEPAM Double Migration	1.96	1.91	1.85	1.80	1.79	1.79	1.78
SSP3 - Stalled Development	2.08	2.15	2.24	2.27	2.27	2.28	2.28
<b>Life expectancy at birth for females (in years)</b>							
SSP1 - Rapid Development	84.2	85.8	88.9	95.1	98.2	102.8	104.7
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	88.2	89.9	92.0
<b>Migration – net flow over five years (in thousands)</b>							
SSP1 - Rapid Development	42.1	45.5	50.2	56.2	56.2	51.9	44.7
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	62.7	64.7	62.8	55.4
SSP2 - CEPAM Double Migration	84.2	89.8	98.1	107.2	105.1	93.4	70.8
SSP3 - Stalled Development	28.1	15.7	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	45.4	47.7	50.5
Proportion age 65+	14.6%	16.4%	20.6%	24.5%	26.9%	30.2%	34.3%
Proportion RLE < 15 years	6.5%	6.6%	8.2%	11.0%	10.8%	10.6%	11.0%