New Zealand

Detailed Human Capital projections to 2060

	2045	`	2020	2010	2050	2000
	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 Me	dium Scenario	(SSP2)				
	2015	2020	2030	2040	2050	2060
Population age 25+: highest education	nal attainment	(columns su	ım to 100%)		
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
Gender gap (population age 25+): high	nest education	ıl attainme	nt (ratio mo	ale/female)		
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	0.0	0.0	0.0	0.0	0.0	0.0
(male minus female)						
Women age 20-39: highest educations	al attainment (d	columns sui	n to 100%)			
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

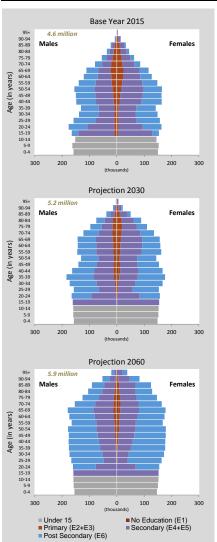
Education scenarios

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

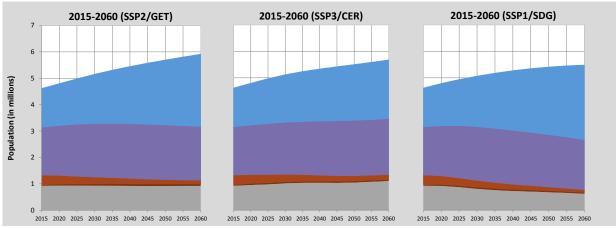
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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

Pyramids by education, CEPAM Medium Scenario







New Zealand (Continued)

Alternative Scenarios to 2100

Median age

Proportion RLE < 15 years

37.3

14.6%

38.0

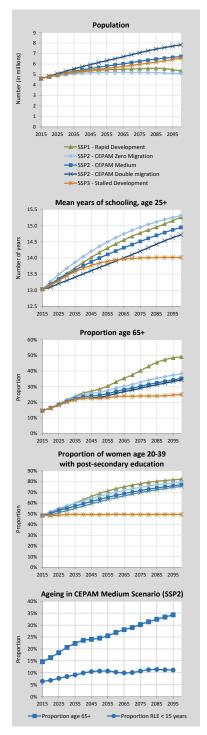
16.4%

40.0

20.6%

43.9

24.5%



Projection Results by Scenar							
Population (in millions)	2015	2020	2030	2050	2060	2075	210
SSP1 - Rapid Development	4.61	4.79	5.06	5.41	5.48	5.55	5.3
SSP2 - CEPAM Zero Migration	4.61	4.75	4.98	5.19	5.20	5.20	5.0
SSP2 - CEPAM Medium	4.61	4.80	5.15	5.70	5.92	6.26	6.7
SSP2 - CEPAM Double Migration	4.61	4.85	5.32	6.14	6.51	7.08	7.8
SSP3 - Stalled Development	4.61	4.80	5.12	5.50	5.68	5.98	6.5
Proportion age 65+							
SSP1 - Rapid Development	14.6%	16.5%	21.6%	28.4%	33.0%	40.2%	49.09
SSP2 - CEPAM Zero Migration	14.6%	16.5%	21.3%	26.3%	29.1%	32.8%	38.39
SSP2 - CEPAM Medium	14.6%	16.4%	20.6%	24.5%	26.9%	30.2%	35.29
SSP2 - CEPAM Double Migration	14.6%	16.2%	20.1%	23.2%	25.6%	29.0%	34.29
SSP3 - Stalled Development	14.6%	16.3%	20.2%	22.5%	23.6%	24.0%	24.99
Proportion below age 20							
SSP1 - Rapid Development	26.9%	25.4%	22.1%	17.1%	15.5%	13.4%	11.59
SSP2 - CEPAM Zero Migration	26.9%	25.7%	24.0%	20.9%	20.1%	18.7%	17.19
SSP2 - CEPAM Medium	26.9%	25.7%	24.2%	21.6%	20.8%	19.7%	18.29
SSP2 - CEPAM Double Migration	26.9%	25.7%	24.4%	22.0%	21.3%	20.2%	18.69
SSP3 - Stalled Development	26.9%	26.0%	25.9%	25.2%	25.4%	25.3%	25.19
Proportion of women age 20		t-secondary	education				
SSP1 - Rapid Development	48.4%	50.8%	56.8%	68.9%	73.3%	78.1%	82.19
SSP2 - CEPAM Zero Migration	48.4%	51.8%	57.3%	66.3%	70.1%	74.6%	79.69
SSP2 - CEPAM Medium	48.4%	50.3%	55.0%	63.5%	67.1%	71.6%	77.09
SSP2 - CEPAM Double Migration	48.4%	48.7%	53.0%	61.2%	65.0%	69.6%	75.59
SSP3 - Stalled Development	48.4%	48.2%	49.2%	49.2%	49.4%	49.2%	49.3
Mean years of schooling, ag	e 25+						
SSP1 - Rapid Development	13.0	13.2	13.5	14.2	14.4	14.8	15.
SSP2 - CEPAM Zero Migration	13.0	13.3	13.7	14.4	14.6	14.9	15.
SSP2 - CEPAM Medium	13.0	13.2	13.5	14.0	14.2	14.5	14.
			40.0	13.7	13.9	14.2	14.
SSP2 - CEPAM Double Migration	13.0	13.1	13.3	13.7	13.5	14.2	17.
SSP2 - CEPAM Double Migration SSP3 - Stalled Development	13.0 13.0	13.1 13.2	13.4	13.8	13.9	14.2	
	13.0	13.2					
SSP3 - Stalled Development	13.0	13.2 Ps	13.4	13.8	13.9	14.0	14.
SSP3 - Stalled Development Demographic assumptions u	13.0	13.2 Ps	13.4	13.8	13.9		14.
SSP3 - Stalled Development Demographic assumptions u Total fertility rate	13.0 underlying SS 2015-2020	13.2 Ps 2020-2025	13.4 2030-2035	13.8 2050-2055	13.9 2060-2065	14.0 2075-2080	2095-210
SSP3 - Stalled Development Demographic assumptions to Total fertility rate SSP1 - Rapid Development	13.0 underlying SS 2015-2020	13.2 Ps 2020-2025	13.4 2030-2035	13.8 2050-2055 1.35	13.9 2060-2065 1.34	2075-2080	2095-210
SSP3 - Stalled Development Demographic assumptions to Total fertility rate SSP1 - Rapid Development SSP2 - CEPAM Zero Migration	13.0 underlying SS 2015-2020 1.83 1.96	13.2 Ps 2020-2025 1.65 1.91	2030-2035 1.45 1.85	2050-2055 1.35 1.81	2060-2065 1.34 1.79	14.0 2075-2080 1.34 1.79	2095-210 1.3 1.7
SSP3 - Stalled Development Demographic assumptions to Total fertility rate SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Medium	13.0 underlying SS 2015-2020 1.83 1.96 1.96	13.2 Ps 2020-2025 1.65 1.91 1.91	13.4 2030-2035 1.45 1.85 1.85	13.8 2050-2055 1.35 1.81 1.80	13.9 2060-2065 1.34 1.79 1.79	14.0 2075-2080 1.34 1.79 1.79	14. 2095-210 1.3 1.7 1.7
SSP3 - Stalled Development Demographic assumptions to Total fertility rate SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Medium SSP2 - CEPAM Double Migration	13.0 underlying SS 2015-2020 1.83 1.96 1.96 1.96	13.2 Ps 2020-2025 1.65 1.91 1.91	13.4 2030-2035 1.45 1.85 1.85 1.85	13.8 2050-2055 1.35 1.81 1.80 1.80	13.9 2060-2065 1.34 1.79 1.79 1.79	1.34 1.79 1.79 1.79	14. 2095-210 1.3 1.7 1.7
SSP3 - Stalled Development Demographic assumptions to Total fertility rate SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Medium SSP2 - CEPAM Double Migration SSP3 - Stalled Development	13.0 underlying SS 2015-2020 1.83 1.96 1.96 1.96 2.08	13.2 Ps 2020-2025 1.65 1.91 1.91 1.91 2.15	13.4 2030-2035 1.45 1.85 1.85	13.8 2050-2055 1.35 1.81 1.80	13.9 2060-2065 1.34 1.79 1.79	14.0 2075-2080 1.34 1.79 1.79	14. 2095-210 1.3 1.7 1.7
Demographic assumptions to Total fertility rate SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Medium SSP2 - CEPAM Double Migration SSP3 - Stalled Development Life expectancy at birth for f	13.0 2015-2020 1.83 1.96 1.96 2.08 semales (in year)	13.2 Ps 2020-2025 1.65 1.91 1.91 1.91 2.15	13.4 2030-2035 1.45 1.85 1.85 1.85 2.24	13.8 2050-2055 1.35 1.81 1.80 1.80 2.27	13.9 2060-2065 1.34 1.79 1.79 1.79 2.27	14.0 2075-2080 1.34 1.79 1.79 1.79 2.28	1.3 1.7 1.7 1.7 2.2
Demographic assumptions to Total fertility rate SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Medium SSP2 - CEPAM Double Migration SSP3 - Stalled Development Life expectancy at birth for fr SSP1 - Rapid Development	13.0 underlying SS 2015-2020 1.83 1.96 1.96 2.08 semales (in ye) 84.2	13.2 Ps 2020-2025 1.65 1.91 1.91 1.91 2.15 ears) 85.8	2030-2035 1.45 1.85 1.85 2.24 88.9	2050-2055 1.35 1.81 1.80 1.80 2.27	2060-2065 1.34 1.79 1.79 2.27 98.2	14.0 2075-2080 1.34 1.79 1.79 2.28 102.8	2095-210 1.3 1.7 1.7 1.7 2.2
Demographic assumptions to the state of the	13.0 underlying SS 2015-2020 1.83 1.96 1.96 2.08 iemales (in ye) 84.2 83.7	13.2 PS 2020-2025 1.65 1.91 1.91 1.91 2.15 2035 85.8 84.8	13.4 2030-2035 1.45 1.85 1.85 2.24 88.9 86.9	13.8 2050-2055 1.35 1.81 1.80 2.27 95.1 91.2	13.9 2060-2065 1.34 1.79 1.79 2.27 98.2 93.3	14.0 2075-2080 1.34 1.79 1.79 2.28 102.8 96.5	14. 2095-210 1.3 1.7 1.7 1.7 2.2 104. 100.
Demographic assumptions to Total fertility rate SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Development SSP3 - Stalled Development Life expectancy at birth for f SSP1 - Rapid Development Life expectancy at birth for f SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Zero Migration SSP2 - CEPAM Zero Migration	13.0 underlying SS 2015-2020 1.83 1.96 1.96 2.08 temales (in ye) 84.2 83.7 83.7	13.2 Ps 2020-2025 1.65 1.91 1.91 2.15 ars) 85.8 84.8 84.8	2030-2035 1.45 1.85 1.85 2.24 88.9 86.9 86.9	2050-2055 1.35 1.81 1.80 2.27 95.1 91.2 91.1	2060-2065 1.34 1.79 1.79 1.79 2.27 98.2 93.3 93.2	2075-2080 1.34 1.79 1.79 2.28 102.8 96.5 96.4	14. 2095-210 1.3 1.7 1.7 2.2 104. 100. 100.
Demographic assumptions to Total fertility rate SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Medium SSP2 - CEPAM Double Migration SSP3 - Stalled Development Life expectancy at birth for fi SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Zero Migration SSP2 - CEPAM Zero Migration SSP2 - CEPAM Development SSP2 - CEPAM Development	13.0 underlying SS 2015-2020 1.83 1.96 1.96 2.08 84.2 83.7 83.7 83.7	13.2 Ps 2020-2025 1.65 1.91 1.91 1.91 2.15 ars) 85.8 84.8 84.8 84.8	2030-2035 1.45 1.85 1.85 2.24 88.9 86.9 86.9 86.9	2050-2055 1.35 1.81 1.80 2.27 95.1 91.2 91.1 91.0	2060-2065 1.34 1.79 1.79 2.27 98.2 93.3 93.2 93.1	14.0 2075-2080 1.34 1.79 1.79 2.28 102.8 96.5 96.4 96.3	14. 2095-210 1.3 1.7 1.7 2.2 104. 100. 100.
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Demographic assumptions to Total fertility rate SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Double Migration SSP3 - Stalled Development Life expectancy at birth for f SSP1 - Rapid Development SSP2 - CEPAM Medium SSP1 - Rapid Development SSP2 - CEPAM Medium SSP3 - Stalled Development SSP3 - Stalled Development SSP3 - Stalled Development Migration - net flow over fi SSP1 - Rapid Development	13.0 2015-2020 1.83 1.96 1.96 2.08 84.2 83.7 83.7 83.7 83.7 83.2 ve years (in t.	13.2 Ps 2020-2025 1.65 1.91 1.91 2.15 ars) 85.8 84.8 84.8 84.8 83.8 housands) 45.5	2030-2035 1.45 1.85 1.85 2.24 88.9 86.9 86.9 86.9 84.9	2050-2055 1.35 1.81 1.80 1.80 2.27 95.1 91.2 91.1 91.0 87.1	2060-2065 1.34 1.79 1.79 2.27 98.2 93.3 93.2 93.1 88.2	14.0 2075-2080 1.34 1.79 1.79 2.28 102.8 96.5 96.4 96.3 89.9	14. 2095-210 1.3 1.7 1.7 1.7 2.2 104. 100. 100. 92.
Demographic assumptions to the company of the compa	13.0 Inderlying SS 2015-2020 1.83 1.96 1.96 2.08 84.2 83.7 83.7 83.7 83.7 83.7 83.2 In eye years (in to years) 42.1 0.0	13.2 PS 2020-2025 1.65 1.91 1.91 2.15 2.15 2.15 48.8 84.8 84.8 84.8 84.8 84.8 84.8 84.	2030-2035 1.45 1.85 1.85 2.24 88.9 86.9 86.9 84.9	2050-2055 1.35 1.81 1.80 2.27 95.1 91.2 91.1 91.0 87.1	13.9 2060-2065 1.34 1.79 1.79 2.27 98.2 93.3 93.3 93.2 93.1 88.2 56.2 0.0	14.0 2075-2080 1.34 1.79 1.79 2.28 102.8 96.5 96.4 96.3 89.9 51.9 0.0	14. 2095-210 1.3 1.7 1.7 1.7 2.2 104. 100. 100. 92. 44. 0.
Demographic assumptions to Total fertility rate SSP1 - Rapid Development SSP2 - CEPAM Zero Migration SSP2 - CEPAM Double Migration SSP3 - Stalled Development Life expectancy at birth for f SSP1 - Rapid Development SSP2 - CEPAM Medium SSP1 - Rapid Development SSP2 - CEPAM Medium SSP3 - Stalled Development SSP3 - Stalled Development SSP3 - Stalled Development Migration - net flow over fi SSP1 - Rapid Development	13.0 2015-2020 1.83 1.96 1.96 2.08 84.2 83.7 83.7 83.7 83.7 83.2 ve years (in t.	13.2 Ps 2020-2025 1.65 1.91 1.91 2.15 ars) 85.8 84.8 84.8 84.8 83.8 housands) 45.5	2030-2035 1.45 1.85 1.85 2.24 88.9 86.9 86.9 86.9 84.9	2050-2055 1.35 1.81 1.80 1.80 2.27 95.1 91.2 91.1 91.0 87.1	2060-2065 1.34 1.79 1.79 2.27 98.2 93.3 93.2 93.1 88.2	14.0 2075-2080 1.34 1.79 1.79 2.28 102.8 96.5 96.4 96.3 89.9	14. 2095-210 1.3 1.7 1.7 1.7 2.2 104. 100. 100. 92.

47.7

30.2%

45.4

26.9%

50.5

34.3%