

New Zealand

Detailed Human Capital projections to 2060

Demographic indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
Population (in millions)	4.4	4.9	5.4	5.8	6.2	6.6
Proportion age 65+	0.13	0.16	0.20	0.22	0.24	0.26
Proportion below age 20	0.28	0.26	0.24	0.23	0.22	0.21
	2005- 2010	2015- 2020	2025- 2030	2035- 2040	2045- 2050	2055- 2060
Total Fertility Rate	2.14	1.99	1.88	1.83	1.81	1.80
Life expectancy at birth (in years)						
Male	78.03	80.69	82.87	84.93	86.91	88.88
Female	82.16	84.39	86.51	88.61	90.61	92.61
Five-year immigration flow (in '000)	247	242	251	257	257	253
Five-year emigration flow (in '000)	182	143	147	152	154	155

Human Capital indicators, Medium Scenario (SSP2)						
	2010	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment						
E1 - no education	0.01	0.00	0.00	0.00	0.00	0.00
E2 - incomplete primary	0.01	0.01	0.00	0.00	0.00	0.00
E3 - primary	0.09	0.06	0.04	0.03	0.02	0.01
E4 - lower secondary	0.14	0.12	0.10	0.08	0.06	0.04
E5 - upper secondary	0.42	0.44	0.44	0.45	0.44	0.42
E6 - post-secondary	0.34	0.38	0.41	0.45	0.48	0.52
Mean years of schooling (in years)	12.92	13.34	13.75	14.11	14.44	14.73
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	1.14	1.10	1.04	0.97	0.90	0.84
E2 - incomplete primary	0.94	0.97	0.99	1.03	1.08	1.07
E3 - primary	0.99	1.00	1.01	1.05	1.09	1.12
E4 - lower secondary	1.06	1.10	1.14	1.16	1.17	1.17
E5 - upper secondary	0.88	0.89	0.91	0.93	0.94	0.95
E6 - post-secondary minus female)	1.15	1.11	1.08	1.05	1.03	1.02
	0.12	0.08	0.06	0.04	0.03	0.03
Women age 20-39: highest educational attainment						
E1 - no education	0.00	0.00	0.00	0.00	0.00	0.00
E2 - incomplete primary	0.00	0.00	0.00	0.00	0.00	0.00
E3 - primary	0.02	0.02	0.01	0.01	0.00	0.00
E4 - lower secondary	0.08	0.05	0.03	0.02	0.01	0.01
E5 - upper secondary	0.52	0.51	0.49	0.46	0.44	0.41
E6 - post-secondary	0.37	0.42	0.47	0.51	0.55	0.58
Mean years of schooling (in years)	13.69	14.21	14.68	14.91	15.09	15.24

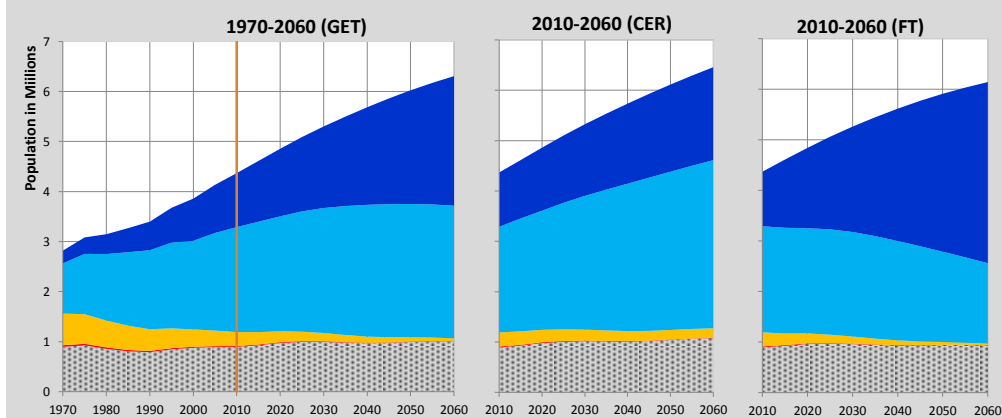
Education scenarios

GET : Global Education Trend Scenario (Medium assumption also used for SSP2)

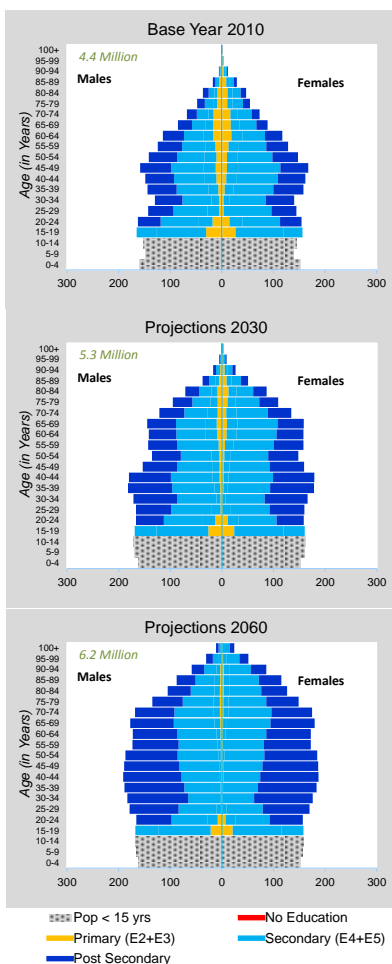
CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

FT: Fast Track Scenario (assumption of education expansion according to fastest historical experience)

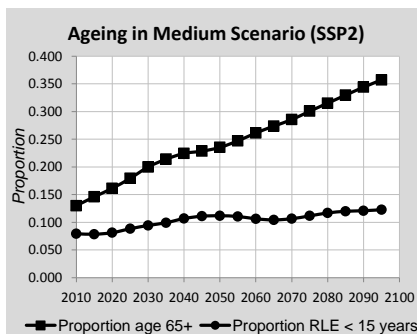
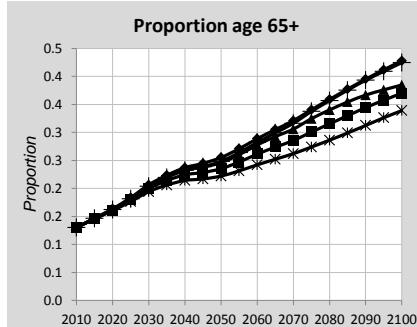
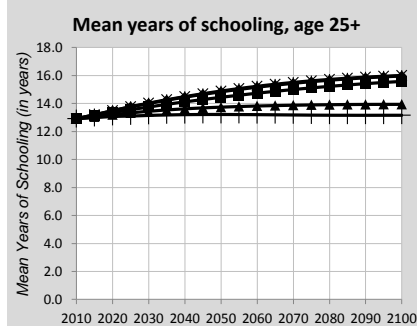
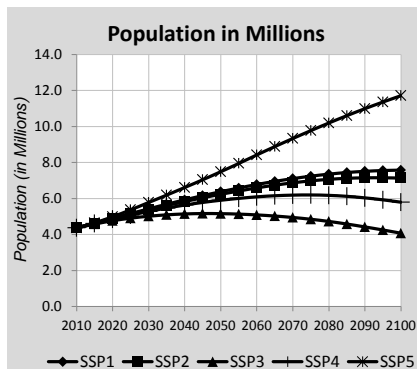
Population size by educational attainment according to three education scenarios: GET, CER, and FT



Pyramids by education, Medium Scenario



New Zealand (Continued)



Alternative scenarios to 2100

Projection results by scenario (SSP 1-5)

	2010	2020	2030	2040	2050	2075	2100
Population (in millions)							
SSP1 - Rapid Development	4.37	4.88	5.42	5.92	6.38	7.24	7.58
SSP2 - Medium	4.37	4.87	5.38	5.83	6.23	6.98	7.13
SSP3 - Stalled Development	4.37	4.76	5.01	5.14	5.16	4.85	4.07
SSP4 - Inequality	4.37	4.84	5.28	5.63	5.90	6.20	5.79
SSP5 - Conventional Dev.	4.37	4.99	5.78	6.61	7.49	9.77	11.71
Proportion age 65+							
SSP1 - Rapid Development	0.13	0.16	0.21	0.24	0.26	0.34	0.43
SSP2 - Medium	0.13	0.16	0.20	0.22	0.24	0.30	0.37
SSP3 - Stalled Development	0.13	0.16	0.20	0.23	0.25	0.32	0.38
SSP4 - Inequality	0.13	0.16	0.20	0.23	0.25	0.34	0.42
SSP5 - Conventional Dev.	0.13	0.16	0.19	0.21	0.22	0.27	0.34
Proportion below age 20							
SSP1 - Rapid Development	0.28	0.26	0.24	0.22	0.21	0.18	0.16
SSP2 - Medium	0.28	0.26	0.24	0.23	0.22	0.19	0.17
SSP3 - Stalled Development	0.28	0.25	0.22	0.20	0.18	0.16	0.14
SSP4 - Inequality	0.28	0.25	0.23	0.21	0.19	0.16	0.14
SSP5 - Conventional Dev.	0.28	0.26	0.26	0.26	0.25	0.23	0.21
Proportion of Women age 20-39 with at least secondary education							
SSP1 - Rapid Development	0.97	0.99	0.99	1.00	1.00	1.00	1.00
SSP2 - Medium	0.97	0.98	0.99	0.99	1.00	1.00	1.00
SSP3 - Stalled Development	0.97	0.97	0.97	0.97	0.97	0.97	0.97
SSP4 - Inequality	0.97	0.97	0.97	0.97	0.97	0.97	0.97
SSP5 - Conventional Dev.	0.97	0.99	0.99	1.00	1.00	1.00	1.00
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.92	13.48	14.00	14.45	14.83	15.55	15.96
SSP2 - Medium	12.92	13.34	13.75	14.11	14.44	15.11	15.57
SSP3 - Stalled Development	12.92	13.20	13.44	13.62	13.73	13.89	13.93
SSP4 - Inequality	12.92	13.07	13.14	13.20	13.21	13.17	13.16
SSP5 - Conventional Dev.	12.92	13.49	14.02	14.49	14.89	15.61	16.00

Demographic assumptions underlying SSPs

	2010-2015	2020-2025	2030-2035	2040-2045	2050-2055	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.04	1.90	1.81	1.78	1.77	1.77	1.77
SSP2 - Medium	2.05	1.94	1.84	1.82	1.80	1.79	1.78
SSP3 - Stalled Development	1.96	1.68	1.51	1.45	1.42	1.44	1.44
SSP4 - Inequality	1.97	1.74	1.58	1.52	1.49	1.50	1.51
SSP5 - Conventional Dev.	2.14	2.18	2.20	2.20	2.21	2.22	2.22
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	84.2	87.3	90.3	93.2	96.2	103.7	109.7
SSP2 - Medium	83.3	85.5	87.5	89.6	91.6	96.6	100.6
SSP3 - Stalled Development	83.2	84.4	85.4	86.3	87.3	89.6	91.5
SSP4 - Inequality	83.7	85.8	87.8	89.8	91.8	96.5	100.3
SSP5 - Conventional Dev.	84.2	87.3	90.3	93.2	96.2	103.7	109.7
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	86	101	102	99	93	35	0
SSP2 - Medium	85	99	101	100	97	40	0
SSP3 - Stalled Development	72	50	51	49	47	18	0
SSP4 - Inequality	86	101	103	100	96	39	0
SSP5 - Conventional Dev.	100	153	159	161	159	68	0

Ageing indicators, Medium Scenario (SSP2)

	2010	2020	2030	2040	2050	2075	2095
Median Age	36.61	37.37	39.24	41.41	42.99	47.93	52.09
Prospective Median Age	36.61	35.11	35.17	35.41	35.14	35.48	35.89
Proportion age 65+	0.13	0.16	0.20	0.22	0.24	0.30	0.36
Proportion RLE < 15 years	0.08	0.08	0.09	0.11	0.11	0.11	0.12