Malaysia

Detailed Human Capital projections to 2060

Pyramids by education, Medium Scenario

Demographic indicators, Medium Scenario (SSP2)

	2010	2020	2030	2040	2050	2060
Population (in millions)	28.4	33.1	37.6	41.4	44.3	46.4
Proportion age 65+	0.05	0.07	0.11	0.14	0.17	0.20
Proportion below age 20	0.40	0.35	0.31	0.28	0.25	0.23
	2005-2010	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060
Total Fertility Rate	2.72	2.37	2.13	1.95	1.84	1.75
Life expectancy at birth (in years)						
Male	71.25	74.23	76.50	78.60	80.59	82.68
Female	75.73	78.61	80.91	83.01	85.01	87.09
Five-year immigration flow (in '000)	721	706	733	748	748	736
Five-year emigration flow (in '000)	635	526	560	571	572	561

Human Capital indicators, Medium Scenario (SSP2)

	2010	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment						
E1 - no education	0.09	0.05	0.03	0.02	0.01	0.00
E2 - incomplete primary	0.07	0.05	0.03	0.02	0.01	0.00
E3 - primary	0.13	0.10	0.07	0.05	0.03	0.02
E4 - lower secondary	0.21	0.19	0.16	0.13	0.09	0.07
E5 - upper secondary	0.35	0.41	0.44	0.46	0.46	0.44
E6 - post-secondary	0.14	0.21	0.27	0.34	0.40	0.47
Mean years of schooling (in years)	9.89	11.17	12.25	13.09	13.79	14.34
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.54	0.55	0.58	0.64	0.72	0.85
E2 - incomplete primary	0.84	0.80	0.78	0.82	0.89	0.98
E3 - primary	1.01	0.96	0.89	0.87	0.90	0.95
E4 - lower secondary	1.21	1.19	1.18	1.15	1.13	1.12
E5 - upper secondary	1.04	1.03	1.03	1.03	1.02	1.01
E6 - post-secondary	1.09	1.00	0.96	0.96	0.96	0.97
minus female)	0.70	0.38	0.17	0.04	-0.04	-0.05
Women age 20-39: highest educational attainment						
E1 - no education	0.02	0.01	0.01	0.01	0.01	0.01
E2 - incomplete primary	0.02	0.01	0.00	0.00	0.00	0.00
E3 - primary	0.05	0.03	0.01	0.01	0.00	0.00
E4 - lower secondary	0.17	0.11	0.06	0.04	0.03	0.02
E5 - upper secondary	0.47	0.48	0.47	0.43	0.38	0.35
E6 - post-secondary	0.27	0.37	0.45	0.52	0.58	0.63
Mean years of schooling (in years)	12.34	13.48	14.32	14.78	15.10	15.32

Base Year 2010 — 28.4 Million — Males / Females

Projections 2030 — 37.2 Million — Males / Females

Projections 2060 — 45.1 Million — Males / Females

Legend: Pop < 15 yrs; No Education; Primary (E2+E3); Secondary (E4+E5); Post Secondary
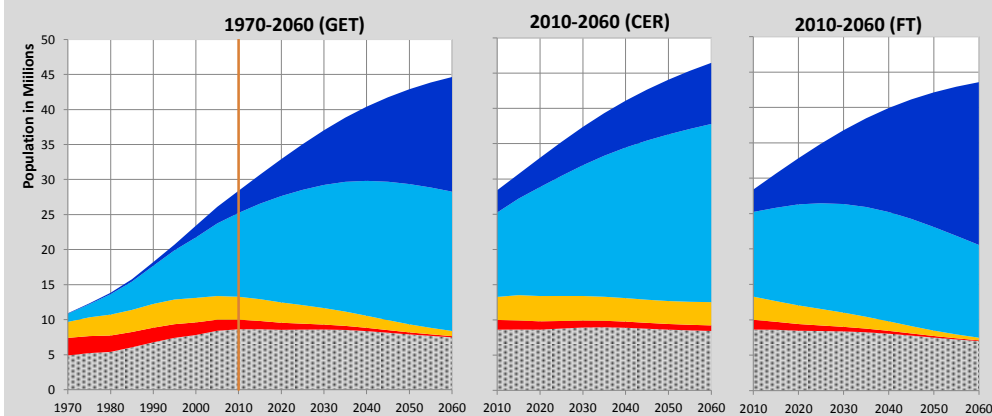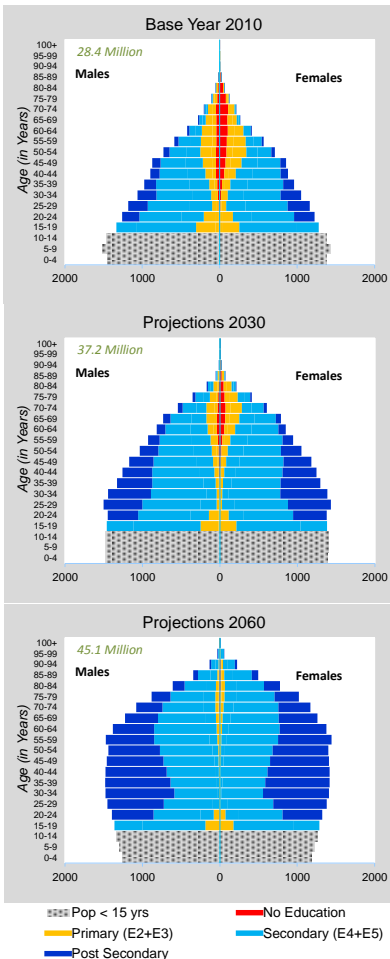
Education scenarios

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

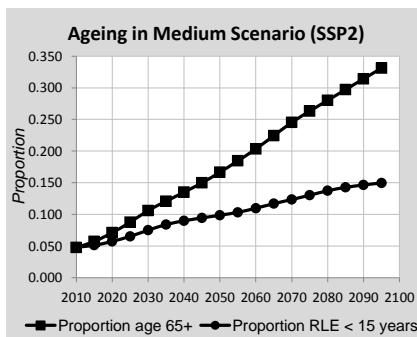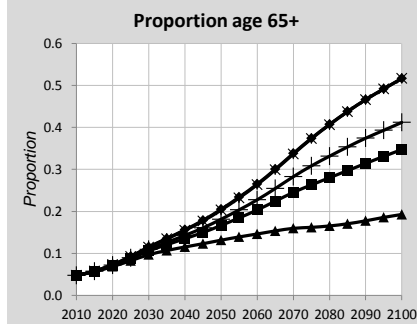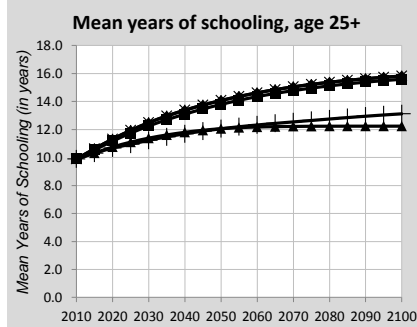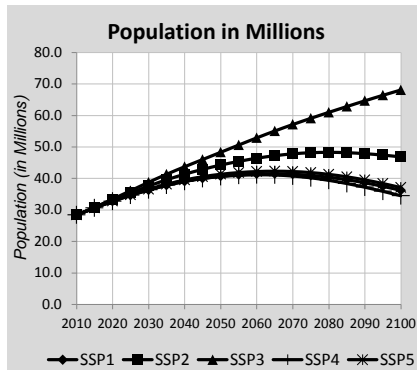*CER: Constant Enrollment Rates Scenario (assumption of no future improvements)*

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

1970-2060 (GET)   2010-2060 (CER)   2010-2060 (FT)

Malaysia (Continued)

Population in Millions

Mean years of schooling, age 25+

Proportion age 65+

Ageing in Medium Scenario (SSP2)

Alternative scenarios to 2100

Projection results by scenario (SSP 1-5)

	2010	2020	2030	2040	2050	2075	2100
Population (in millions)							
SSP1 - Rapid Development	28.40	32.72	36.30	39.04	40.70	40.97	36.24
SSP2 - Medium	28.40	33.13	37.59	41.36	44.26	48.18	46.85
SSP3 - Stalled Development	28.40	33.46	38.80	43.73	48.32	59.10	68.10
SSP4 - Inequality	28.40	32.75	36.38	39.08	40.61	40.20	34.52
SSP5 - Conventional Dev.	28.40	32.81	36.58	39.51	41.34	41.87	37.11
Proportion age 65+							
SSP1 - Rapid Development	0.05	0.07	0.12	0.16	0.21	0.37	0.52
SSP2 - Medium	0.05	0.07	0.11	0.14	0.17	0.26	0.35
SSP3 - Stalled Development	0.05	0.07	0.10	0.12	0.13	0.16	0.19
SSP4 - Inequality	0.05	0.07	0.11	0.14	0.18	0.31	0.41
SSP5 - Conventional Dev.	0.05	0.07	0.11	0.15	0.20	0.37	0.52
Proportion below age 20							
SSP1 - Rapid Development	0.40	0.34	0.28	0.23	0.19	0.13	0.10
SSP2 - Medium	0.40	0.35	0.31	0.28	0.25	0.20	0.17
SSP3 - Stalled Development	0.40	0.36	0.34	0.33	0.31	0.29	0.27
SSP4 - Inequality	0.40	0.34	0.29	0.25	0.21	0.16	0.12
SSP5 - Conventional Dev.	0.40	0.34	0.28	0.23	0.19	0.13	0.10
Proportion of Women age 20-39 with at least secondary education							
SSP1 - Rapid Development	0.91	0.97	0.99	0.99	0.99	1.00	1.00
SSP2 - Medium	0.91	0.95	0.98	0.99	0.99	0.99	0.99
SSP3 - Stalled Development	0.91	0.90	0.90	0.90	0.90	0.90	0.90
SSP4 - Inequality	0.91	0.84	0.81	0.81	0.81	0.81	0.81
SSP5 - Conventional Dev.	0.91	0.97	0.99	0.99	0.99	1.00	1.00
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.89	11.31	12.48	13.37	14.06	15.21	15.81
SSP2 - Medium	9.89	11.17	12.25	13.09	13.79	14.95	15.58
SSP3 - Stalled Development	9.89	10.74	11.38	11.79	12.05	12.22	12.23
SSP4 - Inequality	9.89	10.67	11.22	11.69	12.05	12.64	13.12
SSP5 - Conventional Dev.	9.89	11.31	12.49	13.38	14.07	15.22	15.81

Demographic assumptions underlying SSPs

	2010-2015	2020-2025	2030-2035	2040-2045	2050-2055	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.37	1.88	1.57	1.42	1.32	1.22	1.18
SSP2 - Medium	2.52	2.23	2.04	1.89	1.79	1.65	1.59
SSP3 - Stalled Development	2.66	2.68	2.63	2.54	2.46	2.30	2.24
SSP4 - Inequality	2.40	1.97	1.69	1.53	1.43	1.31	1.27
SSP5 - Conventional Dev.	2.37	1.88	1.57	1.42	1.32	1.22	1.18
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.3	81.6	84.8	87.8	90.7	98.2	104.2
SSP2 - Medium	77.3	79.8	81.9	84.0	86.0	91.1	95.1
SSP3 - Stalled Development	77.4	78.8	79.9	80.9	81.7	83.8	85.6
SSP4 - Inequality	77.9	80.3	82.3	84.3	86.1	90.7	94.5
SSP5 - Conventional Dev.	78.3	81.6	84.8	87.8	90.7	98.2	104.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	147	168	166	155	137	52	0
SSP2 - Medium	152	173	177	179	176	87	0
SSP3 - Stalled Development	123	88	96	111	127	96	0
SSP4 - Inequality	147	169	171	169	162	79	0
SSP5 - Conventional Dev.	172	249	240	217	187	67	0

Ageing indicators, Medium Scenario (SSP2)

	2010	2020	2030	2040	2050	2075	2095
Median Age	26.00	29.03	32.27	35.68	38.70	45.91	51.07
Propspective Median Age	26.00	26.69	27.99	29.50	30.73	33.30	34.71
Proportion age 65+	0.05	0.07	0.11	0.14	0.17	0.26	0.33
Proportion RLE < 15 years	0.05	0.06	0.07	0.09	0.10	0.13	0.15