

Malaysia

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	30.72	32.99	37.46	41.02	43.91	46.35
Proportion age 65+	5.9%	7.0%	9.6%	12.4%	16.5%	22.3%
Proportion below age 20	34.4%	31.8%	29.9%	27.2%	23.8%	22.2%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.08	2.06	1.99	1.91	1.82	1.74
Life expectancy at birth (in years)						
Male	73.4	74.5	76.6	78.8	81.0	82.1
Female	77.9	79.0	81.1	83.3	85.4	87.6
Five-year net-migration flow (in thousands)	268.3	281.4	302.7	321.6	336.0	342.9

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	7.2%	5.7%	3.6%	2.4%	1.6%	1.1%
E2 - incomplete primary	6.2%	4.9%	3.1%	2.0%	1.3%	0.8%
E3 - primary	11.0%	9.4%	6.5%	4.4%	2.8%	1.9%
E4 - lower secondary	20.5%	19.5%	17.5%	15.0%	12.1%	9.4%
E5 - upper secondary	38.8%	41.7%	46.0%	48.1%	48.4%	47.2%
E6 - post-secondary	16.4%	18.8%	23.3%	28.1%	33.8%	39.6%
Mean years of schooling (in years)	10.7	11.3	12.2	12.9	13.5	14.0
Gender gap (population age 25+): highest educational attainment (proportion males - proportion females)						
E1 - no education	-4.0	-3.0	-2.0	-1.0	0.0	0.0
E2 - incomplete primary	-1.0	-1.0	-1.0	0.0	0.0	0.0
E3 - primary	0.0	0.0	0.0	0.0	0.0	0.0
E4 - lower secondary	4.0	3.0	3.0	3.0	2.0	2.0
E5 - upper secondary	1.0	1.0	0.0	1.0	1.0	2.0
E6 - post-secondary	1.0	1.0	0.0	-2.0	-3.0	-4.0
Mean years of schooling (in years)	0.6	0.4	0.2	0.0	-0.1	-0.2
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	2.1%	1.7%	0.4%	0.3%	0.2%	0.1%
E2 - incomplete primary	2.2%	1.5%	0.3%	0.2%	0.1%	0.1%
E3 - primary	2.9%	2.6%	1.1%	0.6%	0.3%	0.2%
E4 - lower secondary	15.8%	13.9%	9.3%	5.1%	2.6%	1.3%
E5 - upper secondary	52.0%	53.7%	56.1%	52.8%	46.8%	40.1%
E6 - post-secondary	25.1%	26.7%	32.7%	41.2%	50.0%	58.1%
Mean years of schooling (in years)	12.8	13.1	13.9	14.5	14.9	15.3

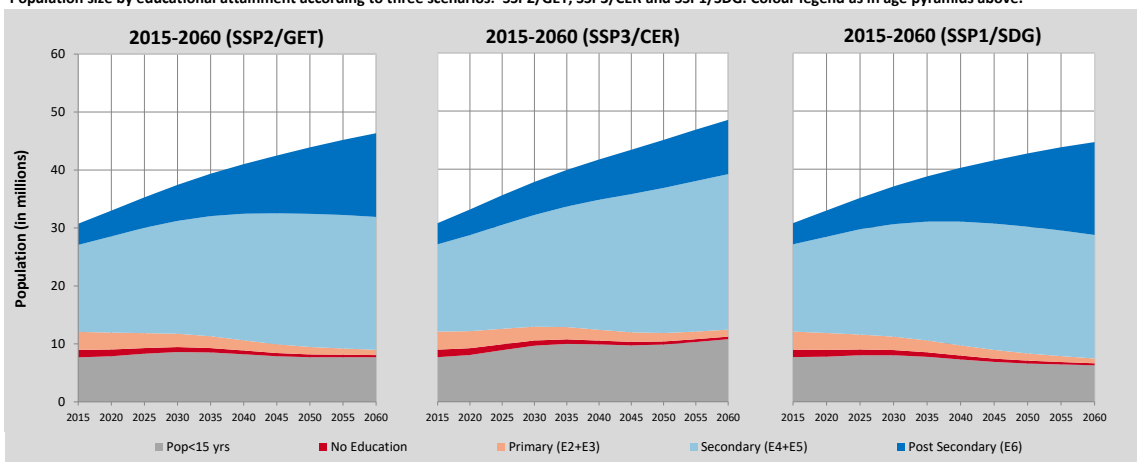
Education scenarios

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

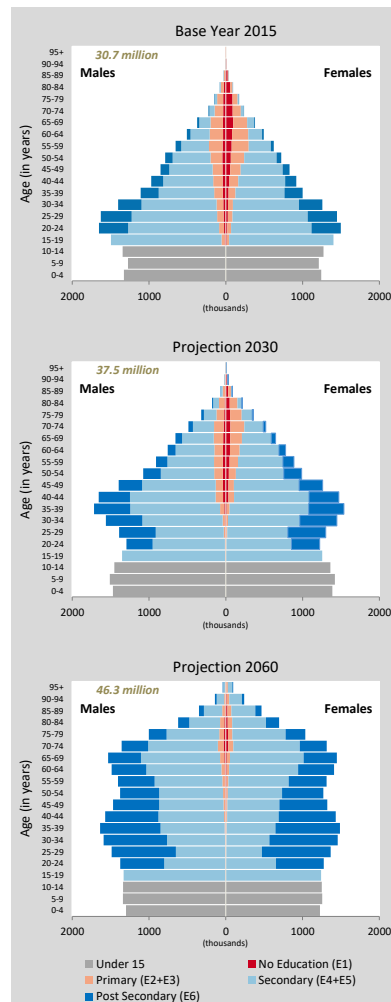
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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

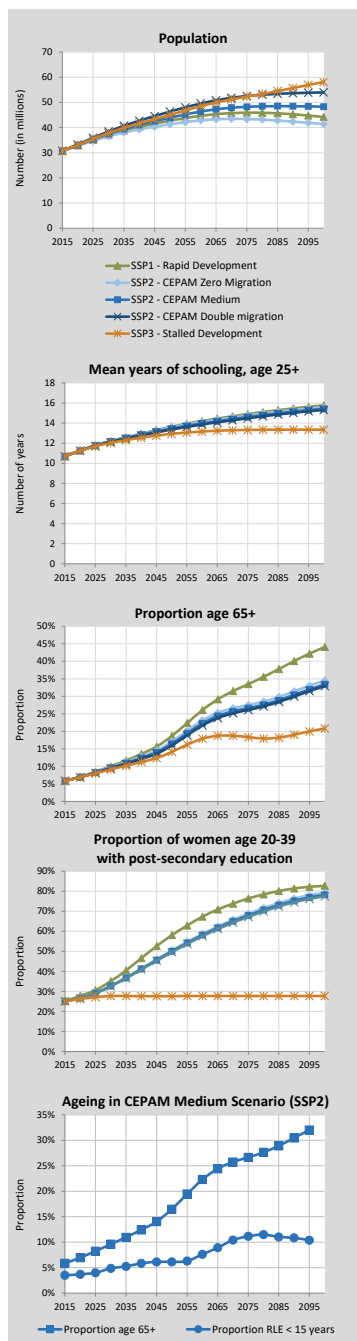
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Malaysia (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	30.72	32.90	37.03	42.71	44.66	45.91	44.19
SSP2 - CEPAM Zero Migration	30.72	32.70	36.48	41.30	42.84	43.38	41.41
SSP2 - CEPAM Medium	30.72	32.99	37.46	43.91	46.35	48.25	48.29
SSP2 - CEPAM Double Migration	30.72	33.27	38.41	46.33	49.54	52.52	53.97
SSP3 - Stalled Development	30.72	33.06	37.81	45.04	48.48	52.26	58.08
Proportion age 65+							
SSP1 - Rapid Development	5.9%	7.0%	10.1%	18.7%	26.1%	33.5%	44.1%
SSP2 - CEPAM Zero Migration	5.9%	7.0%	9.8%	17.1%	23.1%	27.5%	34.5%
SSP2 - CEPAM Medium	5.9%	7.0%	9.6%	16.5%	22.3%	26.6%	33.4%
SSP2 - CEPAM Double Migration	5.9%	6.9%	9.4%	16.0%	21.7%	26.1%	32.9%
SSP3 - Stalled Development	5.9%	6.9%	9.1%	14.1%	17.9%	18.3%	20.8%
Proportion below age 20							
SSP1 - Rapid Development	34.4%	31.5%	28.7%	21.1%	19.0%	16.1%	12.8%
SSP2 - CEPAM Zero Migration	34.4%	31.9%	30.0%	23.9%	22.3%	20.0%	17.1%
SSP2 - CEPAM Medium	34.4%	31.8%	29.9%	23.8%	22.2%	19.9%	17.0%
SSP2 - CEPAM Double Migration	34.4%	31.7%	29.8%	23.7%	22.1%	19.8%	16.9%
SSP3 - Stalled Development	34.4%	32.3%	32.4%	29.1%	28.8%	27.9%	25.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	25.1%	27.8%	35.1%	58.1%	67.3%	76.4%	82.7%
SSP2 - CEPAM Zero Migration	25.1%	26.8%	32.8%	50.5%	58.7%	68.8%	79.2%
SSP2 - CEPAM Medium	25.1%	26.7%	32.7%	50.0%	58.1%	67.9%	78.2%
SSP2 - CEPAM Double Migration	25.1%	26.7%	32.6%	49.6%	57.6%	67.2%	77.5%
SSP3 - Stalled Development	25.1%	26.2%	27.7%	27.6%	27.7%	27.7%	27.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	10.7	11.3	12.2	13.6	14.2	14.9	15.8
SSP2 - CEPAM Zero Migration	10.7	11.3	12.2	13.6	14.1	14.8	15.6
SSP2 - CEPAM Medium	10.7	11.3	12.2	13.5	14.0	14.6	15.4
SSP2 - CEPAM Double Migration	10.7	11.2	12.1	13.4	13.9	14.5	15.3
SSP3 - Stalled Development	10.7	11.3	12.0	12.9	13.2	13.3	13.4

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.00	1.91	1.76	1.57	1.51	1.44	1.38
SSP2 - CEPAM Zero Migration	2.08	2.05	1.99	1.82	1.74	1.66	1.58
SSP2 - CEPAM Medium	2.08	2.06	1.99	1.82	1.74	1.66	1.58
SSP2 - CEPAM Double Migration	2.09	2.06	2.00	1.82	1.74	1.66	1.58
SSP3 - Stalled Development	2.24	2.35	2.49	2.41	2.33	2.23	2.12
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	78.4	80.0	83.1	89.5	92.6	97.3	103.7
SSP2 - CEPAM Zero Migration	77.9	79.0	81.2	85.5	87.6	90.9	95.1
SSP2 - CEPAM Medium	77.9	79.0	81.1	85.4	87.6	90.8	95.1
SSP2 - CEPAM Double Migration	77.9	79.0	81.1	85.4	87.5	90.8	95.0
SSP3 - Stalled Development	77.4	78.0	79.1	81.4	82.5	84.1	86.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	268.6	279.1	287.2	286.1	273.7	247.7	203.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	268.3	281.4	302.7	336.0	342.9	346.0	334.5
SSP2 - CEPAM Double Migration	536.1	555.9	584.4	622.7	622.8	612.3	573.0
SSP3 - Stalled Development	178.7	94.8	0.3	0.4	0.4	0.5	0.5

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	27.7	29.8	33.8	39.6	42.0	46.1	49.8
Proportion age 65+	5.9%	7.0%	9.6%	16.5%	22.3%	26.6%	32.0%
Proportion RLE < 15 years	3.5%	3.7%	4.9%	6.1%	7.6%	11.2%	10.4%