

# 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     | 37.45     | 40.96     | 43.82     | 46.24     |
| Proportion age 65+                                   | 5.9%      | 7.0%      | 9.5%      | 12.2%     | 16.1%     | 21.9%     |
| Proportion below age 20                              | 34.4%     | 31.8%     | 30.0%     | 27.2%     | 23.8%     | 22.2%     |
|  | 2015-2020 | 2020-2025 | 2030-2035 | 2040-2045 | 2050-2055 | 2055-2060 |
| Total Fertility Rate                                 | 2.08      | 2.07      | 1.98      | 1.89      | 1.81      | 1.76      |
| 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)          | 268.2     | 281.7     | 303.1     | 323.0     | 338.9     | 343.8     |

| 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  | 7.2%  | 5.7%  | 3.5%  | 2.3%  | 1.6%  | 1.0%  |
| E2 - incomplete primary  | 6.2%  | 4.9%  | 3.1%  | 2.0%  | 1.3%  | 0.8%  |
| E3 - primary   | 10.9% | 9.4%  | 6.4%  | 4.3%  | 2.8%  | 1.8%  |
| E4 - lower secondary   | 20.3% | 19.3% | 17.3% | 14.7% | 11.8% | 9.1%  |
| E5 - upper secondary   | 38.5% | 41.4% | 45.7% | 47.7% | 47.8% | 46.5% |
| E6 - post-secondary  | 16.8% | 19.3% | 24.0% | 28.9% | 34.8% | 40.8% |
| Mean years of schooling (in years)   | 10.6  | 11.2  | 12.1  | 12.8  | 13.4  | 13.9  |
| <b>Gender gap (population age 25+): highest educational attainment (ratio male/female)</b> |       |       |       |       |       |       |
| E1 - no education  | 0.54  | 0.57  | 0.64  | 0.72  | 0.79  | 0.83  |
| E2 - incomplete primary  | 0.80  | 0.78  | 0.78  | 0.83  | 0.90  | 0.96  |
| E3 - primary   | 1.00  | 0.97  | 0.92  | 0.91  | 0.97  | 1.04  |
| E4 - lower secondary   | 1.22  | 1.21  | 1.23  | 1.24  | 1.26  | 1.30  |
| E5 - upper secondary   | 1.01  | 1.01  | 0.99  | 1.00  | 1.01  | 1.03  |
| E6 - post-secondary  | 1.07  | 1.04  | 0.99  | 0.95  | 0.93  | 0.92  |
| Mean years of schooling (male minus female)  | 0.3   | 0.2   | 0.1   | 0.0   | -0.1  | -0.1  |
| <b>Women age 20-39: highest educational attainment (columns sum to 100%)</b>               |       |       |       |       |       |       |
| E1 - no education  | 2.1%  | 1.7%  | 0.5%  | 0.3%  | 0.2%  | 0.1%  |
| E2 - incomplete primary  | 2.3%  | 1.6%  | 0.4%  | 0.2%  | 0.1%  | 0.1%  |
| E3 - primary   | 3.3%  | 2.8%  | 1.3%  | 0.7%  | 0.4%  | 0.3%  |
| E4 - lower secondary   | 17.5% | 15.2% | 10.6% | 6.1%  | 3.5%  | 2.0%  |
| E5 - upper secondary   | 49.9% | 52.4% | 55.2% | 53.2% | 48.4% | 42.7% |
| E6 - post-secondary  | 24.9% | 26.3% | 32.0% | 39.4% | 47.4% | 54.8% |
| Mean years of schooling (in years)   | 12.8  | 13.1  | 13.8  | 14.4  | 14.9  | 15.2  |

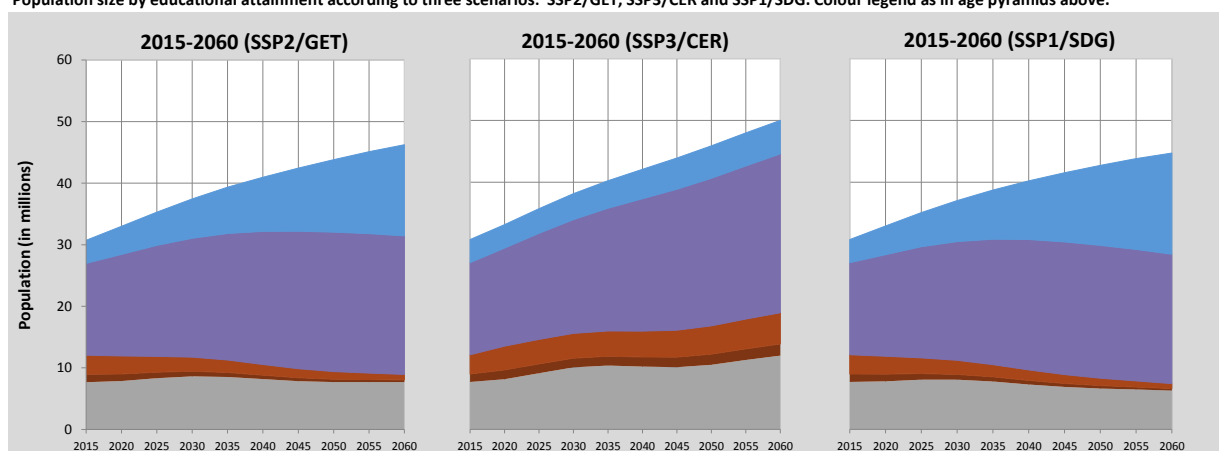
### Education scenarios

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

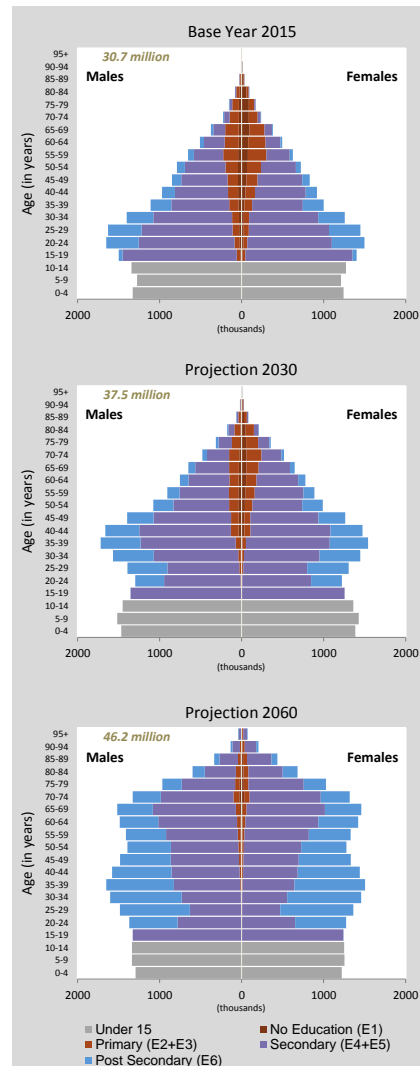
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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

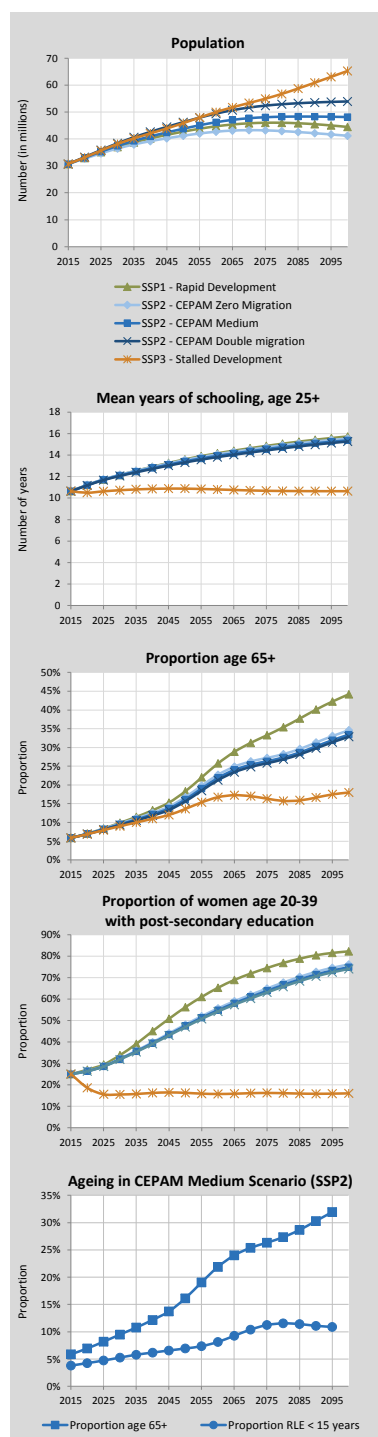
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



## 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  |
| <b>Population (in millions)</b>                                    |       |       |       |       |       |       |       |
| SSP1 - Rapid Development   | 30.72 | 32.92 | 37.04 | 42.74 | 44.72 | 46.05 | 44.49 |
| SSP2 - CEPAM Zero Migration  | 30.72 | 32.70 | 36.47 | 41.22 | 42.72 | 43.21 | 41.21 |
| SSP2 - CEPAM Medium  | 30.72 | 32.99 | 37.45 | 43.82 | 46.24 | 48.10 | 48.17 |
| SSP2 - CEPAM Double Migration                                      | 30.72 | 33.27 | 38.41 | 46.26 | 49.45 | 52.41 | 53.95 |
| SSP3 - Stalled Development   | 30.72 | 33.13 | 38.15 | 45.90 | 50.01 | 54.98 | 65.30 |
| <b>Proportion age 65+</b>  |       |       |       |       |       |       |       |
| SSP1 - Rapid Development   | 5.9%  | 7.0%  | 9.9%  | 18.3% | 25.7% | 33.3% | 44.2% |
| SSP2 - CEPAM Zero Migration  | 5.9%  | 7.0%  | 9.7%  | 16.7% | 22.7% | 27.2% | 34.6% |
| SSP2 - CEPAM Medium  | 5.9%  | 7.0%  | 9.5%  | 16.1% | 21.9% | 26.3% | 33.4% |
| SSP2 - CEPAM Double Migration                                      | 5.9%  | 6.9%  | 9.3%  | 15.6% | 21.3% | 25.8% | 32.9% |
| SSP3 - Stalled Development   | 5.9%  | 6.9%  | 9.0%  | 13.6% | 16.7% | 16.3% | 18.0% |
| <b>Proportion below age 20</b>                                     |       |       |       |       |       |       |       |
| SSP1 - Rapid Development   | 34.4% | 31.6% | 28.7% | 21.2% | 19.0% | 15.9% | 12.6% |
| SSP2 - CEPAM Zero Migration  | 34.4% | 31.9% | 30.1% | 23.9% | 22.3% | 19.9% | 16.9% |
| SSP2 - CEPAM Medium  | 34.4% | 31.8% | 30.0% | 23.8% | 22.2% | 19.8% | 16.9% |
| SSP2 - CEPAM Double Migration                                      | 34.4% | 31.7% | 29.9% | 23.7% | 22.1% | 19.7% | 16.8% |
| SSP3 - Stalled Development   | 34.4% | 32.4% | 33.0% | 30.1% | 30.7% | 29.9% | 29.0% |
| <b>Proportion of women age 20-39 with post-secondary education</b> |       |       |       |       |       |       |       |
| SSP1 - Rapid Development   | 24.9% | 27.0% | 33.8% | 56.2% | 65.2% | 74.4% | 82.2% |
| SSP2 - CEPAM Zero Migration  | 24.9% | 26.4% | 32.2% | 48.0% | 55.6% | 64.9% | 76.1% |
| SSP2 - CEPAM Medium  | 24.9% | 26.3% | 32.0% | 47.4% | 54.8% | 63.8% | 74.8% |
| SSP2 - CEPAM Double Migration                                      | 24.9% | 26.3% | 31.8% | 46.9% | 54.2% | 63.0% | 74.0% |
| SSP3 - Stalled Development   | 24.9% | 18.6% | 15.4% | 16.2% | 15.7% | 16.1% | 16.0% |
| <b>Mean years of schooling, age 25+</b>                            |       |       |       |       |       |       |       |
| SSP1 - Rapid Development   | 10.6  | 11.2  | 12.1  | 13.6  | 14.2  | 14.9  | 15.7  |
| SSP2 - CEPAM Zero Migration  | 10.6  | 11.2  | 12.2  | 13.5  | 14.1  | 14.7  | 15.5  |
| SSP2 - CEPAM Medium  | 10.6  | 11.2  | 12.1  | 13.4  | 13.9  | 14.6  | 15.4  |
| SSP2 - CEPAM Double Migration                                      | 10.6  | 11.2  | 12.1  | 13.3  | 13.8  | 14.4  | 15.3  |
| SSP3 - Stalled Development   | 10.6  | 10.5  | 10.7  | 10.9  | 10.8  | 10.7  | 10.6  |

## 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                                   | 2.01      | 1.92      | 1.76      | 1.56      | 1.50      | 1.42      | 1.37      |
| SSP2 - CEPAM Zero Migration                                | 2.08      | 2.06      | 1.98      | 1.80      | 1.73      | 1.64      | 1.57      |
| SSP2 - CEPAM Medium  | 2.08      | 2.07      | 1.98      | 1.81      | 1.73      | 1.64      | 1.57      |
| SSP2 - CEPAM Double Migration                              | 2.08      | 2.07      | 1.99      | 1.81      | 1.73      | 1.64      | 1.57      |
| SSP3 - Stalled Development                                 | 2.28      | 2.47      | 2.57      | 2.55      | 2.49      | 2.44      | 2.39      |
| <b>Life expectancy at birth for females (in years)</b>     |           |           |           |           |           |           |           |
| SSP1 - Rapid Development                                   | 78.4      | 80.0      | 83.1      | 89.4      | 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      | 87.6      | 90.8      | 95.0      |
| SSP3 - Stalled Development                                 | 77.4      | 77.9      | 79.0      | 81.0      | 82.0      | 83.4      | 85.6      |
| <b>Migration – net flow over five years (in thousands)</b> |           |           |           |           |           |           |           |
| SSP1 - Rapid Development                                   | 268.6     | 279.9     | 290.7     | 300.9     | 293.9     | 276.6     | 241.1     |
| SSP2 - CEPAM Zero Migration                                | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       | 0.0       |
| SSP2 - CEPAM Medium  | 268.2     | 281.7     | 303.1     | 338.9     | 347.1     | 353.1     | 344.9     |
| SSP2 - CEPAM Double Migration                              | 536.5     | 557.2     | 586.3     | 629.1     | 631.8     | 626.2     | 592.9     |
| SSP3 - Stalled Development                                 | 178.7     | 94.9      | 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 | 39.5  | 41.9  | 46.0  | 49.8  |
| Proportion age 65+        | 5.9% | 7.0% | 9.5% | 16.1% | 21.9% | 26.3% | 31.9% |
| Proportion RLE < 15 years | 3.6% | 4.1% | 5.1% | 6.9%  | 7.9%  | 11.1% | 11.0% |