# East Timor

**Detailed Human Capital projections to 2060**

**Pyramids by education, CEPAM Medium Scenario**

**Demographic indicators, CEPAM Medium Scenario (SSP2)**

| | 2015 | 2020 | 2030 | 2040 | 2050 | 2060 |
|---|---|---|---|---|---|---|
| *Population (in millions)* | 1.24 | 1.40 | 1.76 | 2.13 | 2.45 | 2.72 |
| *Proportion age 65+* | 3.5% | 3.6% | 3.9% | 4.7% | 4.5% | 5.4% |
| *Proportion below age 20* | 56.5% | 54.2% | 51.6% | 48.2% | 43.2% | 38.2% |
| | 2015-2020 | 2020-2025 | 2030-2035 | 2040-2045 | 2050-2055 | 2055-2060 |
| *Total Fertility Rate* | 5.42 | 4.90 | 4.02 | 3.28 | 2.71 | 2.50 |
| *Life expectancy at birth (in years)* | | | | | | |
| *Male* | 67.6 | 68.2 | 69.2 | 70.3 | 71.4 | 72.0 |
| *Female* | 71.3 | 71.8 | 73.0 | 74.2 | 75.3 | 76.5 |
| *Five-year net-migration flow (in thousands)* | -33.4 | -38.0 | -48.4 | -58.8 | -68.1 | -72.3 |

**Human Capital indicators, CEPAM Medium Scenario (SSP2)**

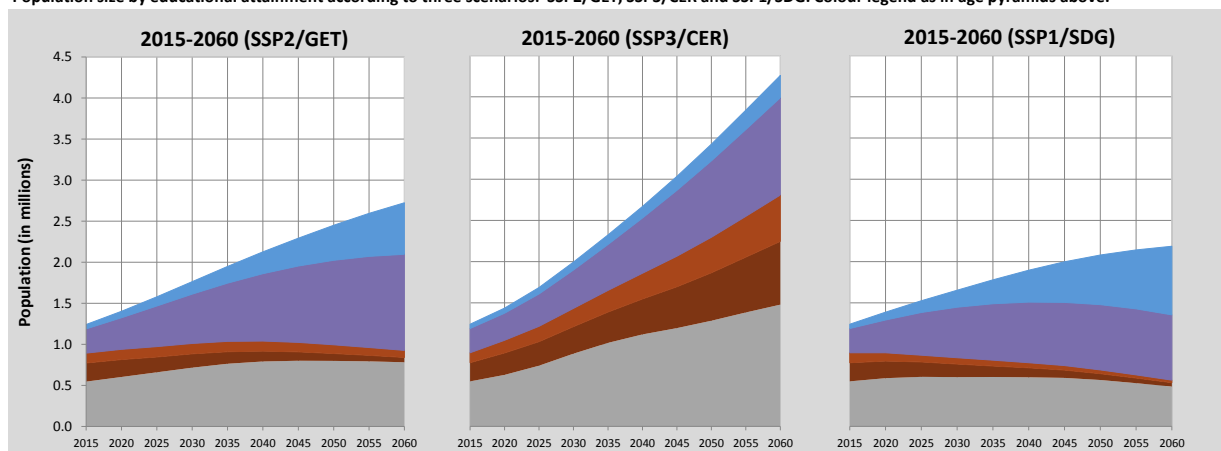| | 2015 | 2020 | 2030 | 2040 | 2050 | 2060 |
|---|---|---|---|---|---|---|
| ***Population age 25+: highest educational attainment (columns sum to 100%)*** | | | | | | |
| *E1 - no education* | 44.2% | 37.0% | 22.9% | 13.5% | 7.5% | 4.1% |
| *E2 - incomplete primary* | 11.6% | 10.8% | 8.2% | 5.8% | 3.8% | 2.3% |
| *E3 - primary* | 6.2% | 6.7% | 7.0% | 6.1% | 4.8% | 3.5% |
| *E4 - lower secondary* | 9.3% | 10.3% | 12.1% | 12.2% | 10.9% | 9.0% |
| *E5 - upper secondary* | 20.0% | 24.1% | 32.7% | 38.9% | 42.9% | 44.1% |
| *E6 - post-secondary* | 8.7% | 11.1% | 17.1% | 23.5% | 30.1% | 37.0% |
| *Mean years of schooling (in years)* | 5.4 | 6.4 | 8.5 | 10.1 | 11.4 | 12.3 |
| ***Gender gap (population age 25+): highest educational attainment (ratio male/female)*** | | | | | | |
| *E1 - no education* | 0.71 | 0.70 | 0.66 | 0.65 | 0.67 | 0.70 |
| *E2 - incomplete primary* | 1.12 | 1.04 | 0.91 | 0.82 | 0.78 | 0.75 |
| *E3 - primary* | 1.77 | 1.69 | 1.48 | 1.36 | 1.31 | 1.27 |
| *E4 - lower secondary* | 1.02 | 0.99 | 0.92 | 0.87 | 0.84 | 0.85 |
| *E5 - upper secondary* | 1.27 | 1.17 | 1.04 | 0.98 | 0.94 | 0.93 |
| *E6 - post-secondary* | 1.84 | 1.71 | 1.53 | 1.38 | 1.26 | 1.17 |
| *Mean years of schooling (male minus female)* | 0.8 | 0.8 | 0.7 | 0.5 | 0.4 | 0.2 |
| ***Women age 20-39: highest educational attainment (columns sum to 100%)*** | | | | | | |
| *E1 - no education* | 22.1% | 16.4% | 7.6% | 3.4% | 1.4% | 0.6% |
| *E2 - incomplete primary* | 9.5% | 7.4% | 4.4% | 2.3% | 1.0% | 0.4% |
| *E3 - primary* | 7.3% | 7.2% | 6.3% | 4.2% | 2.4% | 1.1% |
| *E4 - lower secondary* | 12.3% | 12.9% | 13.2% | 10.9% | 7.7% | 5.0% |
| *E5 - upper secondary* | 35.2% | 39.7% | 46.0% | 49.7% | 50.6% | 48.2% |
| *E6 - post-secondary* | 13.6% | 16.4% | 22.6% | 29.5% | 36.9% | 44.7% |
| *Mean years of schooling (in years)* | 7.9 | 8.9 | 10.6 | 11.9 | 12.8 | 13.4 |

*Education scenarios*

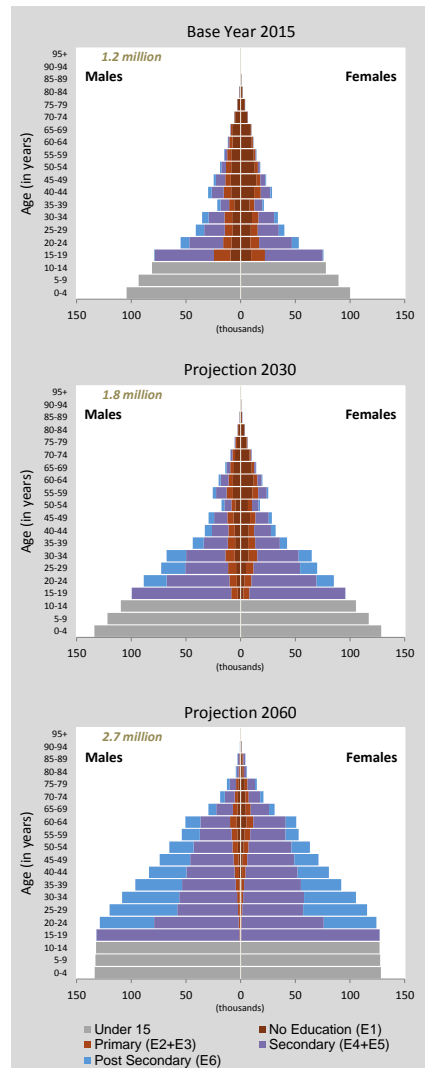*SSP2/GET: Global Education Trend Scenario (Medium assumption)*

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

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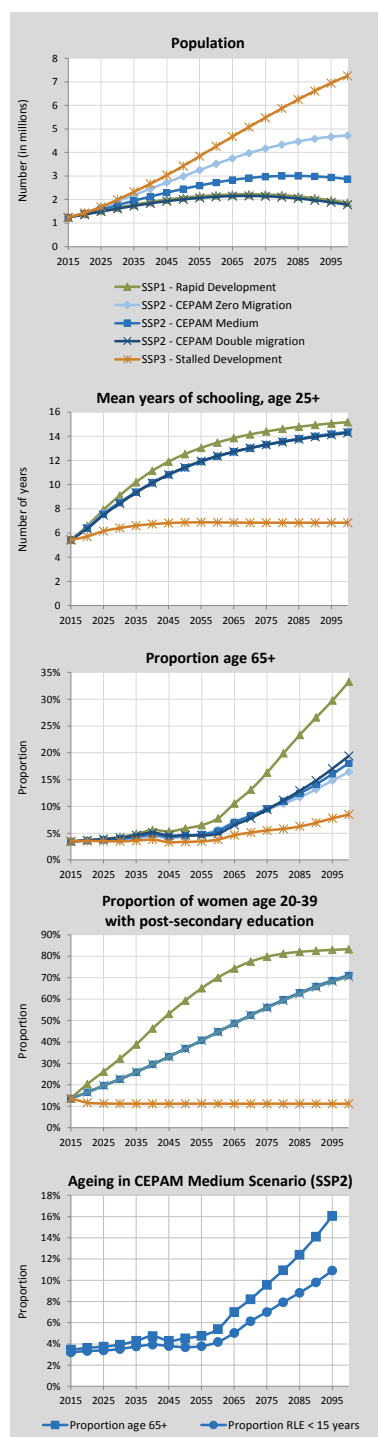


Base Year 2015 — 1.2 million — Males / Females

Projection 2030 — 1.8 million — Males / Females

Projection 2060 — 2.7 million — Males / Females

Legend: Under 15 | No Education (E1) | Primary (E2+E3) | Secondary (E4+E5) | Post Secondary (E6)

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



2015-2060 (SSP2/GET)

2015-2060 (SSP3/CER)

2015-2060 (SSP1/SDG)

# East Timor (Continued)

**Alternative Scenarios to 2100**

## Population



## Mean years of schooling, age 25+



## Proportion age 65+



## Proportion of women age 20-39 with post-secondary education



## Ageing in CEPAM Medium Scenario (SSP2)



**Projection Results by Scenario (SSP1-3)**

| | 2015 | 2020 | 2030 | 2050 | 2060 | 2075 | 2100 |
|---|---|---|---|---|---|---|---|
| *Population (in millions)* | | | | | | | |
| SSP1 - Rapid Development | 1.24 | 1.39 | 1.65 | 2.08 | 2.19 | 2.22 | 1.87 |
| SSP2 - CEPAM Zero Migration | 1.24 | 1.44 | 1.93 | 2.99 | 3.51 | 4.17 | 4.72 |
| SSP2 - CEPAM Medium | 1.24 | 1.40 | 1.76 | 2.45 | 2.72 | 2.97 | 2.87 |
| SSP2 - CEPAM Double Migration | 1.24 | 1.36 | 1.61 | 2.01 | 2.12 | 2.14 | 1.78 |
| SSP3 - Stalled Development | 1.24 | 1.44 | 1.99 | 3.43 | 4.26 | 5.48 | 7.26 |
| *Proportion age 65+* | | | | | | | |
| SSP1 - Rapid Development | 3.5% | 3.7% | 4.3% | 5.9% | 7.8% | 16.3% | 33.2% |
| SSP2 - CEPAM Zero Migration | 3.5% | 3.6% | 3.7% | 4.4% | 5.6% | 9.4% | 16.4% |
| SSP2 - CEPAM Medium | 3.5% | 3.6% | 3.9% | 4.5% | 5.4% | 9.6% | 18.0% |
| SSP2 - CEPAM Double Migration | 3.5% | 3.7% | 4.2% | 4.6% | 4.9% | 9.4% | 19.4% |
| SSP3 - Stalled Development | 3.5% | 3.5% | 3.5% | 3.4% | 3.8% | 5.5% | 8.5% |
| *Proportion below age 20* | | | | | | | |
| SSP1 - Rapid Development | 56.5% | 53.5% | 48.0% | 36.4% | 30.5% | 23.2% | 14.8% |
| SSP2 - CEPAM Zero Migration | 56.5% | 53.5% | 50.7% | 41.9% | 37.1% | 31.0% | 24.1% |
| SSP2 - CEPAM Medium | 56.5% | 54.2% | 51.6% | 43.2% | 38.2% | 31.7% | 23.9% |
| SSP2 - CEPAM Double Migration | 56.5% | 54.8% | 52.7% | 44.8% | 39.6% | 32.6% | 23.9% |
| SSP3 - Stalled Development | 56.5% | 54.6% | 54.1% | 48.2% | 44.5% | 39.3% | 33.9% |
| *Proportion of women age 20-39 with post-secondary education* | | | | | | | |
| SSP1 - Rapid Development | 13.6% | 20.3% | 32.2% | 59.3% | 70.0% | 79.7% | 83.2% |
| SSP2 - CEPAM Zero Migration | 13.6% | 16.4% | 22.5% | 36.9% | 44.7% | 56.2% | 71.3% |
| SSP2 - CEPAM Medium | 13.6% | 16.4% | 22.6% | 36.9% | 44.7% | 56.1% | 70.9% |
| SSP2 - CEPAM Double Migration | 13.6% | 16.5% | 22.7% | 36.8% | 44.6% | 55.9% | 70.4% |
| SSP3 - Stalled Development | 13.6% | 11.6% | 11.2% | 11.2% | 11.2% | 11.1% | 11.1% |
| *Mean years of schooling, age 25+* | | | | | | | |
| SSP1 - Rapid Development | 5.4 | 6.6 | 9.1 | 12.5 | 13.5 | 14.4 | 15.2 |
| SSP2 - CEPAM Zero Migration | 5.4 | 6.5 | 8.6 | 11.4 | 12.3 | 13.3 | 14.4 |
| SSP2 - CEPAM Medium | 5.4 | 6.4 | 8.5 | 11.4 | 12.3 | 13.3 | 14.3 |
| SSP2 - CEPAM Double Migration | 5.4 | 6.4 | 8.4 | 11.4 | 12.4 | 13.3 | 14.3 |
| SSP3 - Stalled Development | 5.4 | 5.7 | 6.4 | 6.9 | 6.9 | 6.9 | 6.9 |

**Demographic assumptions underlying SSPs**

| | 2015-2020 | 2020-2025 | 2030-2035 | 2050-2055 | 2060-2065 | 2075-2080 | 2095-2100 |
|---|---|---|---|---|---|---|---|
| *Total fertility rate* | | | | | | | |
| SSP1 - Rapid Development | 4.99 | 4.12 | 3.04 | 1.99 | 1.72 | 1.47 | 1.29 |
| SSP2 - CEPAM Zero Migration | 5.42 | 4.90 | 4.02 | 2.71 | 2.32 | 1.98 | 1.73 |
| SSP2 - CEPAM Medium | 5.42 | 4.90 | 4.02 | 2.71 | 2.32 | 1.98 | 1.73 |
| SSP2 - CEPAM Double Migration | 5.42 | 4.90 | 4.02 | 2.71 | 2.32 | 1.98 | 1.73 |
| SSP3 - Stalled Development | 5.88 | 5.74 | 5.12 | 3.62 | 3.14 | 2.77 | 2.53 |
| *Life expectancy at birth for females (in years)* | | | | | | | |
| SSP1 - Rapid Development | 71.8 | 73.0 | 75.2 | 79.5 | 81.7 | 85.1 | 89.4 |
| SSP2 - CEPAM Zero Migration | 71.3 | 71.8 | 73.0 | 75.3 | 76.5 | 78.3 | 80.6 |
| SSP2 - CEPAM Medium | 71.3 | 71.8 | 73.0 | 75.3 | 76.5 | 78.3 | 80.6 |
| SSP2 - CEPAM Double Migration | 71.3 | 71.9 | 73.0 | 75.4 | 76.5 | 78.3 | 80.6 |
| SSP3 - Stalled Development | 70.6 | 70.4 | 70.1 | 69.2 | 68.7 | 68.3 | 68.2 |
| *Migration – net flow over five years (in thousands)* | | | | | | | |
| SSP1 - Rapid Development | -33.4 | -37.6 | -45.2 | -57.5 | -60.5 | -60.8 | -52.6 |
| SSP2 - CEPAM Zero Migration | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSP2 - CEPAM Medium | -33.4 | -38.0 | -48.4 | -68.1 | -75.9 | -82.3 | -80.0 |
| SSP2 - CEPAM Double Migration | -66.8 | -73.7 | -87.7 | -110.2 | -116.2 | -116.1 | -98.9 |
| SSP3 - Stalled Development | -22.3 | -13.0 | 0.0 | -0.1 | -0.1 | -0.1 | -0.2 |

**Ageing indicators, CEPAM Medium Scenario (SSP2)**

| | 2015 | 2020 | 2030 | 2050 | 2060 | 2075 | 2095 |
|---|---|---|---|---|---|---|---|
| *Median age* | 17.4 | 18.1 | 19.3 | 23.4 | 26.5 | 31.6 | 38.5 |
| *Proportion age 65+* | 3.5% | 3.6% | 3.9% | 4.5% | 5.4% | 9.6% | 16.1% |
| *Proportion RLE < 15 years* | 3.1% | 3.3% | 3.4% | 3.6% | 4.0% | 6.7% | 10.5% |