# Madagascar

**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) | 20.7 | 26.9 | 33.3 | 39.5 | 45.2 | 50.1 |
| Proportion age 65+ | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.10 |
| Proportion below age 20 | 0.54 | 0.49 | 0.44 | 0.39 | 0.34 | 0.30 |
| | 2005-2010 | 2015-2020 | 2025-2030 | 2035-2040 | 2045-2050 | 2055-2060 |
| Total Fertility Rate | 4.83 | 3.71 | 2.97 | 2.51 | 2.18 | 2.00 |
| Life expectancy at birth (in years) | | | | | | |
| Male | 64.27 | 68.70 | 69.93 | 71.38 | 73.08 | 75.20 |
| Female | 67.30 | 72.38 | 73.98 | 75.49 | 77.19 | 79.29 |
| Five-year immigration flow (in '000) | 3 | 3 | 3 | 3 | 3 | 3 |
| Five-year emigration flow (in '000) | 8 | 9 | 11 | 13 | 14 | 15 |

## Human Capital indicators, Medium Scenario (SSP2)

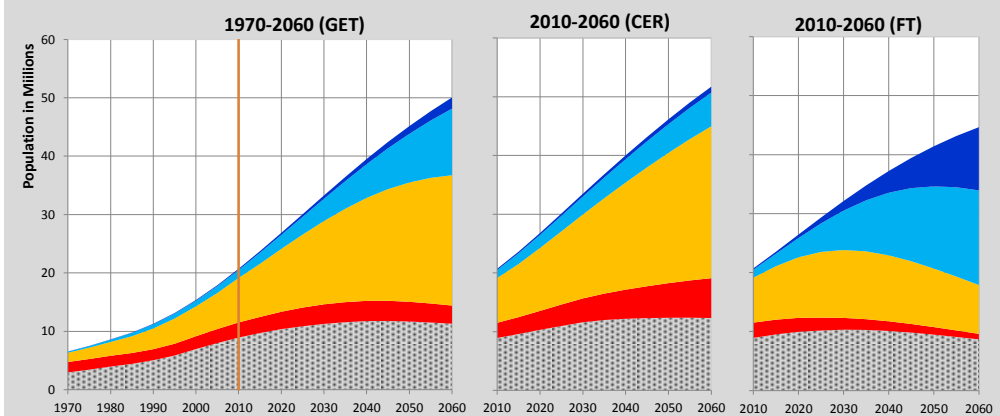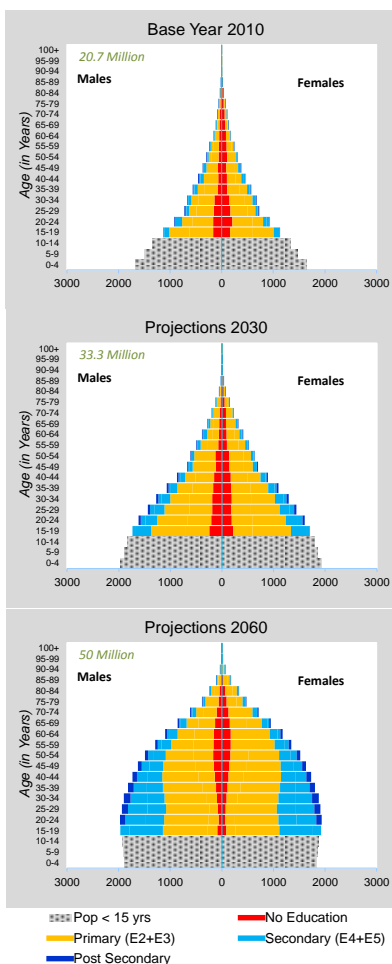| | 2010 | 2020 | 2030 | 2040 | 2050 | 2060 |
|---|---|---|---|---|---|---|
| **Population age 25+: highest educational attainment** | | | | | | |
| E1 - no education | 0.25 | 0.20 | 0.18 | 0.15 | 0.13 | 0.10 |
| E2 - incomplete primary | 0.42 | 0.41 | 0.38 | 0.34 | 0.29 | 0.24 |
| E3 - primary | 0.19 | 0.23 | 0.27 | 0.31 | 0.35 | 0.38 |
| E4 - lower secondary | 0.08 | 0.09 | 0.11 | 0.12 | 0.14 | 0.15 |
| E5 - upper secondary | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 | 0.08 |
| E6 - post-secondary | 0.02 | 0.03 | 0.03 | 0.04 | 0.04 | 0.05 |
| Mean years of schooling (in years) | 4.02 | 4.32 | 4.65 | 5.08 | 5.55 | 6.07 |
| **Gender gap (population age 25+): highest educational attainment (ratio male/female)** | | | | | | |
| E1 - no education | 0.74 | 0.80 | 0.86 | 0.91 | 0.95 | 0.95 |
| E2 - incomplete primary | 1.04 | 1.05 | 1.06 | 1.07 | 1.07 | 1.06 |
| E3 - primary | 1.05 | 0.96 | 0.93 | 0.92 | 0.93 | 0.95 |
| E4 - lower secondary | 1.35 | 1.24 | 1.16 | 1.11 | 1.07 | 1.05 |
| E5 - upper secondary | 1.43 | 1.25 | 1.15 | 1.07 | 1.04 | 1.04 |
| E6 - post-secondary | 1.58 | 1.29 | 1.11 | 1.01 | 0.98 | 0.99 |
| minus female) | 0.68 | 0.41 | 0.21 | 0.07 | 0.02 | 0.03 |
| **Women age 20-39: highest educational attainment** | | | | | | |
| E1 - no education | 0.22 | 0.17 | 0.14 | 0.11 | 0.08 | 0.06 |
| E2 - incomplete primary | 0.43 | 0.39 | 0.34 | 0.27 | 0.22 | 0.16 |
| E3 - primary | 0.23 | 0.29 | 0.33 | 0.38 | 0.41 | 0.42 |
| E4 - lower secondary | 0.07 | 0.09 | 0.11 | 0.13 | 0.15 | 0.16 |
| E5 - upper secondary | 0.03 | 0.04 | 0.05 | 0.07 | 0.10 | 0.14 |
| E6 - post-secondary | 0.02 | 0.03 | 0.03 | 0.04 | 0.05 | 0.06 |
| Mean years of schooling (in years) | 3.84 | 4.48 | 5.08 | 5.74 | 6.41 | 7.07 |

**Education scenarios**

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

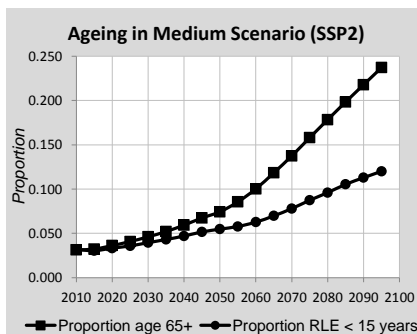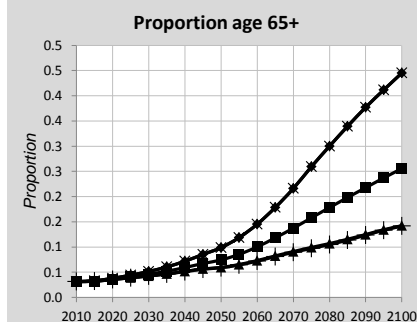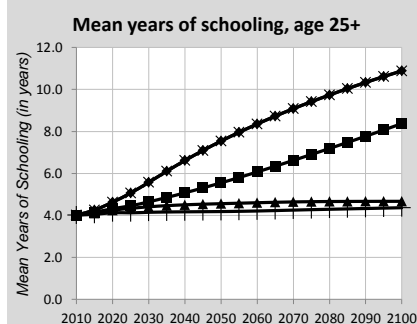CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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



Base Year 2010 — 20.7 Million — Males / Females

Projections 2030 — 33.3 Million — Males / Females

Projections 2060 — 50 Million — Males / Females

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

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



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

# Madagascar (Continued)
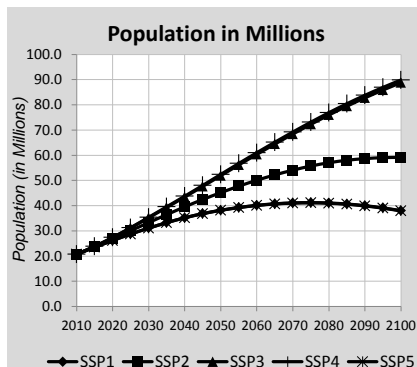
## Alternative scenarios to 2100


**Population in Millions**


**Mean years of schooling, age 25+**


**Proportion age 65+**


**Ageing in Medium Scenario (SSP2)**

### Projection results by scenario (SSP 1-5)

| | 2010 | 2020 | 2030 | 2040 | 2050 | 2075 | 2100 |
|---|---|---|---|---|---|---|---|
| **Population (in millions)** | | | | | | | |
| SSP1 - Rapid Development | 20.71 | 26.18 | 31.09 | 35.21 | 38.19 | 41.21 | 38.03 |
| SSP2 - Medium | 20.71 | 26.87 | 33.29 | 39.54 | 45.17 | 55.73 | 59.17 |
| SSP3 - Stalled Development | 20.71 | 27.35 | 35.21 | 43.44 | 51.91 | 72.28 | 88.81 |
| SSP4 - Inequality | 20.71 | 27.40 | 35.41 | 43.77 | 52.41 | 73.14 | 89.87 |
| SSP5 - Conventional Dev. | 20.71 | 26.17 | 31.08 | 35.18 | 38.14 | 41.12 | 37.92 |
| **Proportion age 65+** | | | | | | | |
| SSP1 - Rapid Development | 0.03 | 0.04 | 0.05 | 0.07 | 0.10 | 0.26 | 0.45 |
| SSP2 - Medium | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.16 | 0.26 |
| SSP3 - Stalled Development | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.10 | 0.14 |
| SSP4 - Inequality | 0.03 | 0.04 | 0.04 | 0.05 | 0.06 | 0.10 | 0.14 |
| SSP5 - Conventional Dev. | 0.03 | 0.04 | 0.05 | 0.07 | 0.10 | 0.26 | 0.45 |
| **Proportion below age 20** | | | | | | | |
| SSP1 - Rapid Development | 0.54 | 0.48 | 0.40 | 0.33 | 0.27 | 0.16 | 0.11 |
| SSP2 - Medium | 0.54 | 0.49 | 0.44 | 0.39 | 0.34 | 0.26 | 0.20 |
| SSP3 - Stalled Development | 0.54 | 0.50 | 0.47 | 0.44 | 0.40 | 0.34 | 0.30 |
| SSP4 - Inequality | 0.54 | 0.50 | 0.48 | 0.44 | 0.41 | 0.34 | 0.30 |
| SSP5 - Conventional Dev. | 0.54 | 0.48 | 0.40 | 0.33 | 0.27 | 0.16 | 0.11 |
| **Proportion of Women age 20-39 with at least secondary education** | | | | | | | |
| SSP1 - Rapid Development | 0.12 | 0.23 | 0.37 | 0.51 | 0.60 | 0.72 | 0.82 |
| SSP2 - Medium | 0.12 | 0.15 | 0.20 | 0.24 | 0.30 | 0.46 | 0.65 |
| SSP3 - Stalled Development | 0.12 | 0.15 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 |
| SSP4 - Inequality | 0.12 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 |
| SSP5 - Conventional Dev. | 0.12 | 0.23 | 0.37 | 0.51 | 0.60 | 0.72 | 0.82 |
| **Mean years of schooling, age 25+** | | | | | | | |
| SSP1 - Rapid Development | 4.02 | 4.63 | 5.58 | 6.62 | 7.54 | 9.42 | 10.88 |
| SSP2 - Medium | 4.02 | 4.32 | 4.65 | 5.08 | 5.55 | 6.90 | 8.37 |
| SSP3 - Stalled Development | 4.02 | 4.25 | 4.41 | 4.51 | 4.56 | 4.66 | 4.67 |
| SSP4 - Inequality | 4.02 | 4.13 | 4.15 | 4.17 | 4.19 | 4.28 | 4.37 |
| SSP5 - Conventional Dev. | 4.02 | 4.63 | 5.58 | 6.62 | 7.54 | 9.42 | 10.88 |

### Demographic assumptions underlying SSPs

| | 2010-2015 | 2020-2025 | 2030-2035 | 2040-2045 | 2050-2055 | 2075-2080 | 2095-2100 |
|---|---|---|---|---|---|---|---|
| **Total fertility rate** | | | | | | | |
| SSP1 - Rapid Development | 3.92 | 2.69 | 1.98 | 1.63 | 1.43 | 1.25 | 1.16 |
| SSP2 - Medium | 4.24 | 3.28 | 2.70 | 2.33 | 2.08 | 1.81 | 1.66 |
| SSP3 - Stalled Development | 4.38 | 3.89 | 3.39 | 2.99 | 2.72 | 2.39 | 2.27 |
| SSP4 - Inequality | 4.40 | 3.95 | 3.44 | 3.02 | 2.73 | 2.38 | 2.26 |
| SSP5 - Conventional Dev. | 3.92 | 2.69 | 1.98 | 1.63 | 1.43 | 1.25 | 1.16 |
| **Life expectancy at birth for females (in years)** | | | | | | | |
| SSP1 - Rapid Development | 73.1 | 76.1 | 78.5 | 80.9 | 83.7 | 91.4 | 97.6 |
| SSP2 - Medium | 70.4 | 73.2 | 74.7 | 76.3 | 78.3 | 83.5 | 87.7 |
| SSP3 - Stalled Development | 72.3 | 73.3 | 74.0 | 74.5 | 75.2 | 77.4 | 79.1 |
| SSP4 - Inequality | 72.3 | 73.3 | 74.0 | 74.4 | 75.1 | 77.3 | 79.0 |
| SSP5 - Conventional Dev. | 73.1 | 76.1 | 78.5 | 80.9 | 83.7 | 91.4 | 97.6 |
| **Migration – net flow over five years (in thousands)** | | | | | | | |
| SSP1 - Rapid Development | -5 | -7 | -9 | -10 | -10 | -4 | 0 |
| SSP2 - Medium | -5 | -7 | -9 | -11 | -12 | -6 | 0 |
| SSP3 - Stalled Development | -5 | -3 | -4 | -5 | -6 | -3 | 0 |
| SSP4 - Inequality | -5 | -7 | -9 | -11 | -13 | -7 | 0 |
| SSP5 - Conventional Dev. | -6 | -11 | -14 | -16 | -17 | -8 | 0 |

### Ageing indicators, Medium Scenario (SSP2)

| | 2010 | 2020 | 2030 | 2040 | 2050 | 2075 | 2095 |
|---|---|---|---|---|---|---|---|
| Median Age | 18.06 | 20.25 | 22.97 | 26.04 | 29.33 | 37.93 | 44.09 |
| Propspective Median Age | 18.06 | 18.69 | 20.37 | 22.32 | 24.00 | 28.46 | 31.26 |
| Proportion age 65+ | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.16 | 0.24 |
| Proportion RLE < 15 years | 0.03 | 0.03 | 0.04 | 0.05 | 0.05 | 0.09 | 0.12 |