

Tajikistan

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)

| | 2015 | 2020 | 2030 | 2040 | 2050 | 2060 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|
| Population (in millions) | 8.55 | 9.42 | 10.84 | 12.02 | 12.96 | 13.46 |
| Proportion age 65+ | 3.3% | 3.8% | 5.8% | 7.6% | 9.6% | 13.3% |
| Proportion below age 20 | 45.3% | 43.7% | 39.7% | 33.3% | 30.2% | 27.0% |
| | 2015-2020 | 2020-2025 | 2030-2035 | 2040-2045 | 2050-2055 | 2055-2060 |
| Total Fertility Rate | 3.08 | 2.72 | 2.32 | 2.04 | 1.88 | 1.83 |
| Life expectancy at birth (in years) | | | | | | |
| Male | 68.4 | 69.4 | 71.2 | 73.0 | 74.8 | 75.7 |
| Female | 74.4 | 75.3 | 76.9 | 78.6 | 80.3 | 81.9 |
| Five-year net-migration flow (in thousands) | -82.5 | -92.0 | -106.8 | -118.7 | -127.9 | -130.5 |

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 | 0.6% | 0.4% | 0.2% | 0.2% | 0.1% | 0.1% |
| E2 - incomplete primary | 0.3% | 0.2% | 0.1% | 0.1% | 0.1% | 0.1% |
| E3 - primary | 1.3% | 0.9% | 0.4% | 0.3% | 0.2% | 0.2% |
| E4 - lower secondary | 7.8% | 6.2% | 3.9% | 2.4% | 1.4% | 0.8% |
| E5 - upper secondary | 67.1% | 68.3% | 69.5% | 69.2% | 68.0% | 66.4% |
| E6 - post-secondary | 23.0% | 24.0% | 25.9% | 27.9% | 30.1% | 32.4% |
| Mean years of schooling (in years) | 11.6 | 11.7 | 11.9 | 12.0 | 12.1 | 12.2 |
| Gender gap (population age 25+): highest educational attainment (ratio male/female) | | | | | | |
| E1 - no education | 0.35 | 0.35 | 0.50 | 0.62 | 0.65 | 0.64 |
| E2 - incomplete primary | 0.30 | 0.31 | 0.46 | 0.66 | 0.77 | 0.82 |
| E3 - primary | 0.44 | 0.41 | 0.45 | 0.59 | 0.73 | 0.82 |
| E4 - lower secondary | 0.60 | 0.59 | 0.59 | 0.61 | 0.64 | 0.68 |
| E5 - upper secondary | 0.92 | 0.92 | 0.92 | 0.92 | 0.93 | 0.94 |
| E6 - post-secondary | 1.64 | 1.55 | 1.40 | 1.30 | 1.22 | 1.16 |
| Mean years of schooling (male minus female) | 0.3 | 0.3 | 0.2 | 0.2 | 0.1 | 0.1 |
| Women age 20-39: highest educational attainment (columns sum to 100%) | | | | | | |
| E1 - no education | 0.1% | 0.1% | 0.1% | 0.0% | 0.0% | 0.0% |
| E2 - incomplete primary | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% |
| E3 - primary | 0.3% | 0.2% | 0.1% | 0.1% | 0.1% | 0.0% |
| E4 - lower secondary | 4.5% | 2.8% | 0.6% | 0.2% | 0.1% | 0.1% |
| E5 - upper secondary | 72.6% | 72.7% | 72.4% | 70.1% | 67.4% | 65.0% |
| E6 - post-secondary | 22.5% | 24.2% | 26.8% | 29.5% | 32.3% | 34.9% |
| Mean years of schooling (in years) | 11.6 | 11.7 | 11.9 | 12.1 | 12.2 | 12.3 |

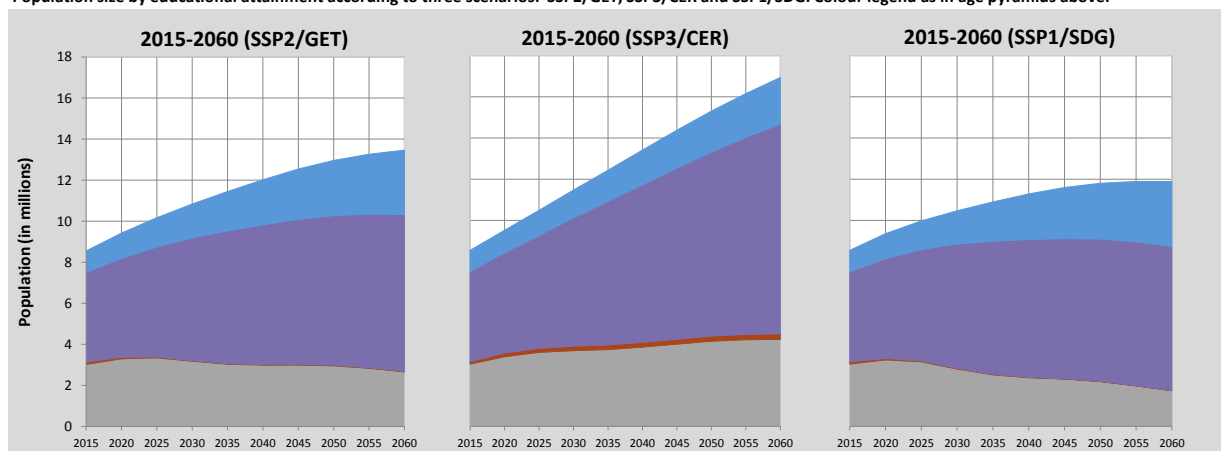
Education scenarios

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

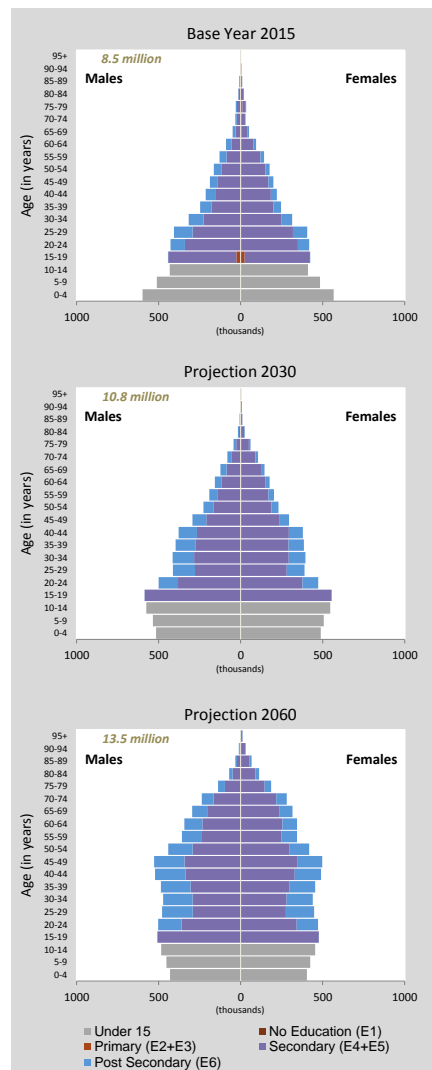
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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

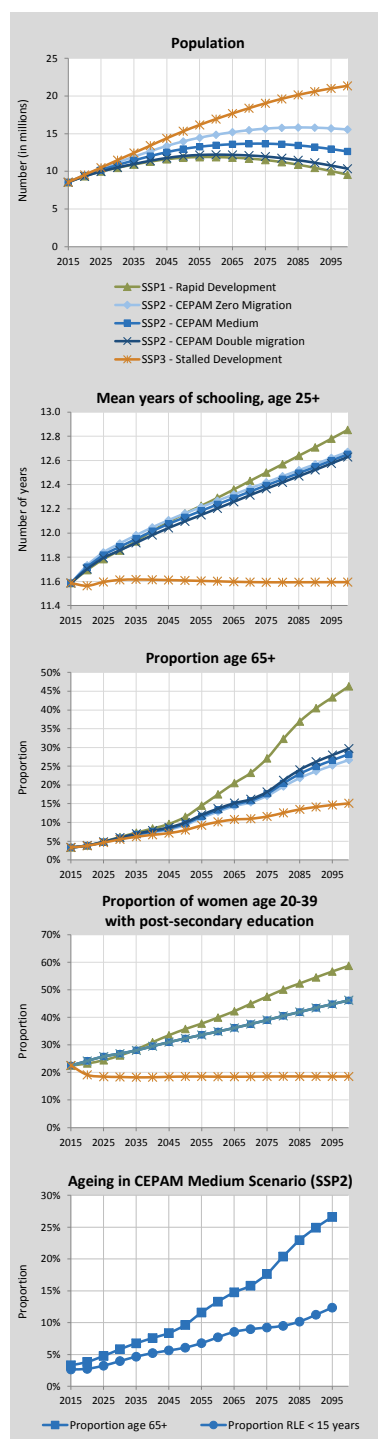
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



Tajikistan (Continued)



Alternative Scenarios to 2100

| Projection Results by Scenario (SSP1-3) | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|
| | 2015 | 2020 | 2030 | 2050 | 2060 | 2075 | 2100 |
| Population (in millions) | | | | | | | |
| SSP1 - Rapid Development | 8.55 | 9.35 | 10.47 | 11.80 | 11.89 | 11.50 | 9.55 |
| SSP2 - CEPAM Zero Migration | 8.55 | 9.51 | 11.18 | 13.97 | 14.86 | 15.66 | 15.55 |
| SSP2 - CEPAM Medium | 8.55 | 9.42 | 10.84 | 12.96 | 13.46 | 13.67 | 12.64 |
| SSP2 - CEPAM Double Migration | 8.55 | 9.33 | 10.50 | 12.03 | 12.21 | 11.96 | 10.35 |
| SSP3 - Stalled Development | 8.55 | 9.53 | 11.48 | 15.31 | 16.94 | 19.03 | 21.35 |
| Proportion age 65+ | | | | | | | |
| SSP1 - Rapid Development | 3.3% | 3.9% | 6.1% | 11.5% | 17.5% | 27.1% | 46.3% |
| SSP2 - CEPAM Zero Migration | 3.3% | 3.8% | 5.7% | 9.3% | 12.9% | 17.1% | 26.7% |
| SSP2 - CEPAM Medium | 3.3% | 3.8% | 5.8% | 9.6% | 13.3% | 17.7% | 28.2% |
| SSP2 - CEPAM Double Migration | 3.3% | 3.9% | 6.0% | 10.0% | 13.7% | 18.2% | 29.7% |
| SSP3 - Stalled Development | 3.3% | 3.8% | 5.5% | 8.0% | 10.1% | 11.6% | 15.1% |
| Proportion below age 20 | | | | | | | |
| SSP1 - Rapid Development | 45.3% | 43.3% | 37.4% | 24.8% | 20.6% | 15.4% | 10.2% |
| SSP2 - CEPAM Zero Migration | 45.3% | 43.6% | 39.5% | 30.1% | 27.0% | 23.1% | 18.8% |
| SSP2 - CEPAM Medium | 45.3% | 43.7% | 39.7% | 30.2% | 27.0% | 22.9% | 18.3% |
| SSP2 - CEPAM Double Migration | 45.3% | 43.9% | 40.0% | 30.4% | 27.0% | 22.7% | 17.9% |
| SSP3 - Stalled Development | 45.3% | 44.1% | 41.9% | 35.1% | 32.9% | 30.2% | 27.4% |
| Proportion of women age 20-39 with post-secondary education | | | | | | | |
| SSP1 - Rapid Development | 22.5% | 23.3% | 26.2% | 35.8% | 39.9% | 47.5% | 58.7% |
| SSP2 - CEPAM Zero Migration | 22.5% | 24.2% | 26.9% | 32.3% | 34.9% | 39.0% | 46.2% |
| SSP2 - CEPAM Medium | 22.5% | 24.2% | 26.8% | 32.3% | 34.9% | 39.0% | 46.1% |
| SSP2 - CEPAM Double Migration | 22.5% | 24.2% | 26.8% | 32.4% | 34.8% | 39.1% | 46.2% |
| SSP3 - Stalled Development | 22.5% | 19.1% | 18.4% | 18.5% | 18.5% | 18.5% | 18.5% |
| Mean years of schooling, age 25+ | | | | | | | |
| SSP1 - Rapid Development | 11.6 | 11.7 | 11.9 | 12.2 | 12.3 | 12.5 | 12.9 |
| SSP2 - CEPAM Zero Migration | 11.6 | 11.7 | 11.9 | 12.2 | 12.3 | 12.4 | 12.7 |
| SSP2 - CEPAM Medium | 11.6 | 11.7 | 11.9 | 12.1 | 12.2 | 12.4 | 12.7 |
| SSP2 - CEPAM Double Migration | 11.6 | 11.7 | 11.9 | 12.1 | 12.2 | 12.4 | 12.6 |
| SSP3 - Stalled Development | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 | 11.6 |

Demographic assumptions underlying SSPs

| | 2015-2020 | 2020-2025 | 2030-2035 | 2050-2055 | 2060-2065 | 2075-2080 | 2095-2100 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Total fertility rate | | | | | | | |
| SSP1 - Rapid Development | 2.87 | 2.35 | 1.82 | 1.40 | 1.33 | 1.26 | 1.17 |
| SSP2 - CEPAM Zero Migration | 3.08 | 2.72 | 2.32 | 1.88 | 1.79 | 1.70 | 1.59 |
| SSP2 - CEPAM Medium | 3.08 | 2.72 | 2.32 | 1.88 | 1.79 | 1.70 | 1.59 |
| SSP2 - CEPAM Double Migration | 3.08 | 2.72 | 2.32 | 1.88 | 1.79 | 1.70 | 1.59 |
| SSP3 - Stalled Development | 3.30 | 3.12 | 2.87 | 2.43 | 2.33 | 2.23 | 2.10 |
| Life expectancy at birth for females (in years) | | | | | | | |
| SSP1 - Rapid Development | 74.9 | 76.3 | 78.9 | 84.3 | 87.0 | 91.0 | 96.3 |
| SSP2 - CEPAM Zero Migration | 74.4 | 75.3 | 76.9 | 80.3 | 82.0 | 84.5 | 87.8 |
| SSP2 - CEPAM Medium | 74.4 | 75.3 | 76.9 | 80.3 | 81.9 | 84.5 | 87.8 |
| SSP2 - CEPAM Double Migration | 74.4 | 75.2 | 76.9 | 80.3 | 81.9 | 84.4 | 87.8 |
| SSP3 - Stalled Development | 73.9 | 74.1 | 74.7 | 76.0 | 76.6 | 77.6 | 79.0 |
| Migration – net flow over five years (in thousands) | | | | | | | |
| SSP1 - Rapid Development | -82.5 | -91.3 | -103.1 | -116.4 | -116.6 | -111.0 | -93.3 |
| SSP2 - CEPAM Zero Migration | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| SSP2 - CEPAM Medium | -82.5 | -92.0 | -106.8 | -127.9 | -132.1 | -132.5 | -122.5 |
| SSP2 - CEPAM Double Migration | -165.0 | -181.7 | -205.3 | -233.0 | -233.5 | -223.4 | -191.6 |
| SSP3 - Stalled Development | -55.0 | -31.1 | -0.1 | -0.1 | -0.2 | -0.2 | -0.2 |

Ageing indicators, CEPAM Medium Scenario (SSP2)

| | 2015 | 2020 | 2030 | 2050 | 2060 | 2075 | 2095 |
|---------------------------|------|------|------|------|-------|-------|-------|
| Median age | 22.4 | 23.5 | 25.9 | 32.9 | 36.5 | 40.8 | 47.0 |
| Proportion age 65+ | 3.3% | 3.8% | 5.8% | 9.6% | 13.3% | 17.7% | 26.6% |
| Proportion RLE < 15 years | 2.2% | 2.1% | 3.3% | 5.6% | 6.8% | 9.0% | 12.0% |