

Zambia

Detailed Human Capital projections to 2060

| Demographic indicators, Medium Scenario (SSP2) | | | | | | |
|--|---------------|---------------|---------------|---------------|---------------|---------------|
| | 2010 | 2020 | 2030 | 2040 | 2050 | 2060 |
| Population (in millions) | 13.1 | 17.0 | 21.4 | 25.8 | 29.9 | 33.4 |
| Proportion age 65+ | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.05 |
| Proportion below age 20 | 0.57 | 0.57 | 0.54 | 0.50 | 0.45 | 0.40 |
| | 2005- 2010 | 2015- 2020 | 2025- 2030 | 2035- 2040 | 2045- 2050 | 2055- 2060 |
| Total Fertility Rate | 6.20 | 5.27 | 4.40 | 3.49 | 2.84 | 2.43 |
| Life expectancy at birth (in years) | | | | | | |
| Male | 46.49 | 50.49 | 52.08 | 53.31 | 55.12 | 58.15 |
| Female | 47.27 | 51.30 | 54.00 | 56.40 | 58.92 | 62.09 |
| Five-year immigration flow (in '000) | 42 | 41 | 43 | 44 | 44 | 43 |
| Five-year emigration flow (in '000) | 127 | 123 | 158 | 198 | 234 | 262 |

| Human Capital indicators, Medium Scenario (SSP2) | | | | | | |
|--|------|------|------|------|-------|-------|
| | 2010 | 2020 | 2030 | 2040 | 2050 | 2060 |
| Population age 25+: highest educational attainment | | | | | | |
| E1 - no education | 0.12 | 0.06 | 0.03 | 0.01 | 0.01 | 0.00 |
| E2 - incomplete primary | 0.24 | 0.17 | 0.11 | 0.07 | 0.04 | 0.02 |
| E3 - primary | 0.28 | 0.31 | 0.33 | 0.32 | 0.30 | 0.27 |
| E4 - lower secondary | 0.20 | 0.23 | 0.25 | 0.25 | 0.24 | 0.22 |
| E5 - upper secondary | 0.11 | 0.15 | 0.20 | 0.25 | 0.31 | 0.36 |
| E6 - post-secondary | 0.06 | 0.07 | 0.08 | 0.10 | 0.11 | 0.13 |
| Mean years of schooling (in years) | 7.32 | 8.34 | 9.14 | 9.76 | 10.25 | 10.69 |
| Gender gap (population age 25+): highest educational attainment (ratio male/female) | | | | | | |
| E1 - no education | 0.37 | 0.39 | 0.45 | 0.54 | 0.61 | 0.67 |
| E2 - incomplete primary | 0.68 | 0.68 | 0.71 | 0.77 | 0.84 | 0.93 |
| E3 - primary | 0.99 | 0.85 | 0.80 | 0.79 | 0.81 | 0.86 |
| E4 - lower secondary | 1.33 | 1.07 | 0.96 | 0.91 | 0.90 | 0.90 |
| E5 - upper secondary | 2.79 | 2.17 | 1.74 | 1.45 | 1.26 | 1.14 |
| E6 - post-secondary | 2.03 | 1.86 | 1.63 | 1.43 | 1.27 | 1.16 |
| minus female) | 2.05 | 1.53 | 1.08 | 0.76 | 0.53 | 0.33 |
| Women age 20-39: highest educational attainment | | | | | | |
| E1 - no education | 0.06 | 0.02 | 0.01 | 0.00 | 0.00 | 0.00 |
| E2 - incomplete primary | 0.25 | 0.17 | 0.13 | 0.09 | 0.07 | 0.05 |
| E3 - primary | 0.33 | 0.36 | 0.34 | 0.30 | 0.25 | 0.20 |
| E4 - lower secondary | 0.23 | 0.26 | 0.26 | 0.25 | 0.24 | 0.22 |
| E5 - upper secondary | 0.10 | 0.15 | 0.21 | 0.27 | 0.35 | 0.42 |
| E6 - post-secondary | 0.04 | 0.05 | 0.06 | 0.07 | 0.09 | 0.11 |
| Mean years of schooling (in years) | 7.61 | 8.50 | 9.13 | 9.67 | 10.21 | 10.73 |

Education scenarios

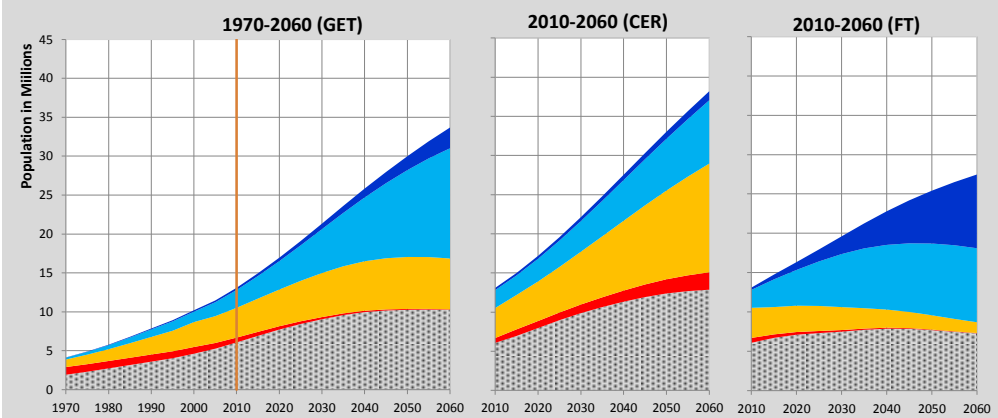
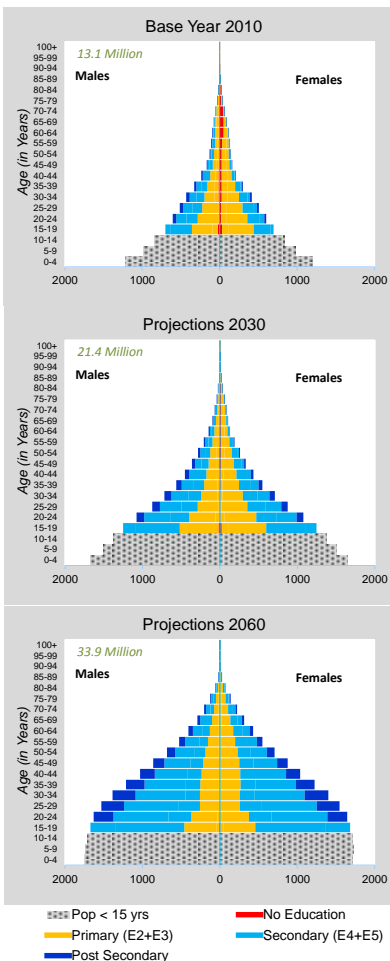
GET : Global Education Trend Scenario (Medium assumption also used for SSP2)

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

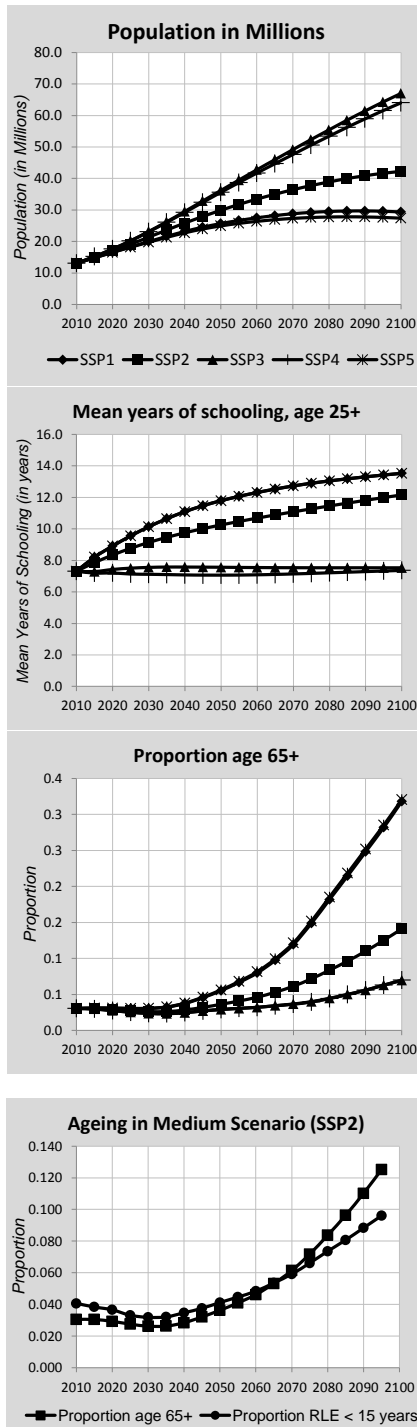
FT: Fast Track Scenario (assumption of education expansion according to fastest historical experience)

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

Pyramids by education, Medium Scenario



Zambia (Continued)



Alternative scenarios to 2100

Projection results by scenario (SSP 1-5)

| | 2010 | 2020 | 2030 | 2040 | 2050 | 2075 | 2100 |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Population (in millions) | | | | | | | |
| SSP1 - Rapid Development | 13.09 | 16.58 | 19.96 | 23.17 | 25.68 | 29.23 | 29.37 |
| SSP2 - Medium | 13.09 | 16.99 | 21.37 | 25.84 | 29.90 | 37.73 | 42.25 |
| SSP3 - Stalled Development | 13.09 | 17.62 | 23.17 | 29.53 | 36.18 | 52.33 | 66.99 |
| SSP4 - Inequality | 13.09 | 17.60 | 23.07 | 29.23 | 35.58 | 50.55 | 64.01 |
| SSP5 - Conventional Dev. | 13.09 | 16.53 | 19.76 | 22.73 | 24.94 | 27.61 | 27.40 |
| Proportion age 65+ | | | | | | | |
| SSP1 - Rapid Development | 0.03 | 0.03 | 0.03 | 0.04 | 0.06 | 0.15 | 0.32 |
| SSP2 - Medium | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.07 | 0.14 |
| SSP3 - Stalled Development | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 | 0.04 | 0.07 |
| SSP4 - Inequality | 0.03 | 0.03 | 0.02 | 0.02 | 0.03 | 0.04 | 0.07 |
| SSP5 - Conventional Dev. | 0.03 | 0.03 | 0.03 | 0.04 | 0.06 | 0.15 | 0.32 |
| Proportion below age 20 | | | | | | | |
| SSP1 - Rapid Development | 0.57 | 0.55 | 0.48 | 0.42 | 0.36 | 0.23 | 0.15 |
| SSP2 - Medium | 0.57 | 0.57 | 0.54 | 0.50 | 0.45 | 0.34 | 0.26 |
| SSP3 - Stalled Development | 0.57 | 0.58 | 0.58 | 0.55 | 0.52 | 0.43 | 0.38 |
| SSP4 - Inequality | 0.57 | 0.58 | 0.58 | 0.56 | 0.52 | 0.43 | 0.37 |
| SSP5 - Conventional Dev. | 0.57 | 0.55 | 0.48 | 0.42 | 0.36 | 0.23 | 0.15 |
| Proportion of Women age 20-39 with at least secondary education | | | | | | | |
| SSP1 - Rapid Development | 0.37 | 0.61 | 0.72 | 0.79 | 0.83 | 0.92 | 0.97 |
| SSP2 - Medium | 0.37 | 0.45 | 0.53 | 0.60 | 0.68 | 0.83 | 0.94 |
| SSP3 - Stalled Development | 0.37 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 |
| SSP4 - Inequality | 0.37 | 0.27 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 |
| SSP5 - Conventional Dev. | 0.37 | 0.61 | 0.72 | 0.79 | 0.83 | 0.92 | 0.97 |
| Mean years of schooling, age 25+ | | | | | | | |
| SSP1 - Rapid Development | 7.32 | 8.92 | 10.14 | 11.10 | 11.80 | 12.90 | 13.53 |
| SSP2 - Medium | 7.32 | 8.34 | 9.14 | 9.76 | 10.25 | 11.27 | 12.16 |
| SSP3 - Stalled Development | 7.32 | 7.43 | 7.56 | 7.58 | 7.57 | 7.54 | 7.53 |
| SSP4 - Inequality | 7.32 | 7.20 | 7.12 | 7.08 | 7.07 | 7.18 | 7.37 |
| SSP5 - Conventional Dev. | 7.32 | 8.91 | 10.13 | 11.09 | 11.79 | 12.90 | 13.53 |
| Demographic assumptions underlying SSPs | | | | | | | |
| | 2010-2015 | 2020-2025 | 2030-2035 | 2040-2045 | 2050-2055 | 2075-2080 | 2095-2100 |
| Total fertility rate | | | | | | | |
| SSP1 - Rapid Development | 5.34 | 3.71 | 2.75 | 2.17 | 1.81 | 1.41 | 1.27 |
| SSP2 - Medium | 5.74 | 4.85 | 3.93 | 3.12 | 2.62 | 1.97 | 1.75 |
| SSP3 - Stalled Development | 6.30 | 6.18 | 5.47 | 4.54 | 3.80 | 2.85 | 2.57 |
| SSP4 - Inequality | 6.32 | 6.27 | 5.54 | 4.55 | 3.79 | 2.82 | 2.53 |
| SSP5 - Conventional Dev. | 5.34 | 3.71 | 2.75 | 2.17 | 1.81 | 1.41 | 1.27 |
| Life expectancy at birth for females (in years) | | | | | | | |
| SSP1 - Rapid Development | 53.7 | 60.6 | 64.8 | 69.2 | 73.5 | 83.8 | 92.0 |
| SSP2 - Medium | 50.0 | 52.7 | 55.3 | 57.6 | 60.5 | 68.7 | 75.2 |
| SSP3 - Stalled Development | 52.4 | 50.2 | 50.8 | 52.4 | 53.7 | 58.2 | 62.2 |
| SSP4 - Inequality | 52.4 | 50.2 | 50.7 | 52.3 | 53.6 | 58.2 | 62.2 |
| SSP5 - Conventional Dev. | 53.7 | 60.6 | 64.8 | 69.2 | 73.5 | 83.8 | 92.0 |
| Migration – net flow over five years (in thousands) | | | | | | | |
| SSP1 - Rapid Development | -74 | -95 | -130 | -159 | -180 | -86 | 0 |
| SSP2 - Medium | -76 | -97 | -135 | -173 | -206 | -115 | 0 |
| SSP3 - Stalled Development | -61 | -46 | -63 | -82 | -99 | -60 | 0 |
| SSP4 - Inequality | -73 | -93 | -132 | -174 | -215 | -130 | 0 |
| SSP5 - Conventional Dev. | -86 | -144 | -204 | -257 | -302 | -161 | 0 |
| Ageing indicators, Medium Scenario (SSP2) | | | | | | | |
| | 2010 | 2020 | 2030 | 2040 | 2050 | 2075 | 2095 |
| Median Age | 16.60 | 16.93 | 18.24 | 20.17 | 22.52 | 29.51 | 35.59 |
| Prospective Median Age | 16.60 | 16.22 | 15.98 | 16.82 | 17.42 | 17.77 | 18.12 |
| Proportion age 65+ | 0.03 | 0.03 | 0.03 | 0.03 | 0.04 | 0.07 | 0.13 |
| Proportion RLE < 15 years | 0.04 | 0.04 | 0.03 | 0.03 | 0.04 | 0.07 | 0.10 |