Bolivia

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)	10.72	11.52	12.97	14.19	15.11	15.70
Proportion age 65+	6.5%	7.1%	8.3%	10.2%	13.3%	16.8%
Proportion below age 20	42.5%	40.2%	35.8%	32.2%	28.8%	26.0%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.81	2.60	2.32	2.13	1.98	1.92
Life expectancy at birth (in years)						
Male	67.1	68.0	69.9	71.7	73.5	74.4
Female	72.2	73.1	74.8	76.5	78.2	80.0
Five-year net-migration flow (in thousands)	-69.7	-75.0	-84.7	-92.7	-98.4	-100.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)

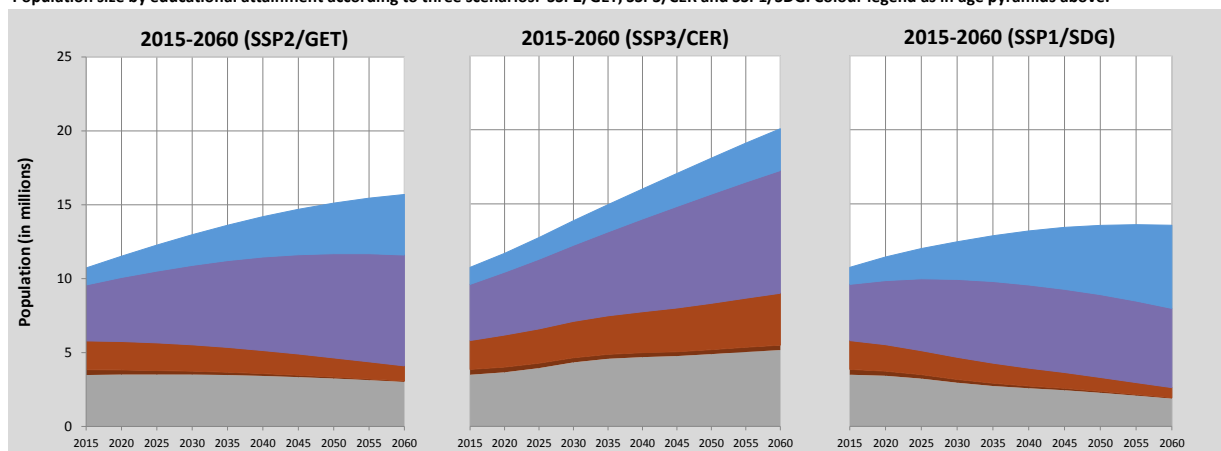|	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	6.8%	5.3%	3.1%	1.8%	1.1%	0.6%
E2 - incomplete primary	16.7%	13.7%	9.3%	6.3%	4.1%	2.5%
E3 - primary	15.6%	15.1%	13.3%	11.0%	8.9%	6.9%
E4 - lower secondary	17.2%	17.8%	17.9%	17.1%	15.7%	14.0%
E5 - upper secondary	24.5%	26.9%	31.5%	35.3%	38.4%	40.5%
E6 - post-secondary	19.1%	21.2%	24.9%	28.5%	31.9%	35.4%
Mean years of schooling (in years)	8.8	9.3	10.2	10.9	11.5	11.9
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.38	0.37	0.38	0.41	0.46	0.53
E2 - incomplete primary	0.79	0.76	0.70	0.65	0.61	0.59
E3 - primary	1.09	1.07	1.02	0.98	0.95	0.93
E4 - lower secondary	1.21	1.16	1.12	1.10	1.09	1.09
E5 - upper secondary	1.21	1.19	1.16	1.15	1.15	1.16
E6 - post-secondary	1.04	1.01	0.97	0.92	0.89	0.87
Mean years of schooling (male minus female)	0.5	0.4	0.3	0.2	0.1	0.0
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.5%	1.0%	0.4%	0.2%	0.1%	0.0%
E2 - incomplete primary	5.5%	3.3%	1.8%	1.5%	0.8%	0.3%
E3 - primary	13.5%	12.3%	9.2%	5.7%	3.4%	2.0%
E4 - lower secondary	24.1%	21.7%	16.9%	13.7%	10.9%	8.4%
E5 - upper secondary	34.5%	37.8%	43.0%	46.0%	47.8%	48.0%
E6 - post-secondary	20.8%	23.8%	28.8%	33.0%	37.0%	41.1%
Mean years of schooling (in years)	10.3	10.9	11.6	12.2	12.6	13.0

Education scenarios

SSP2/GET: Global Education Trend Scenario (Medium assumption)
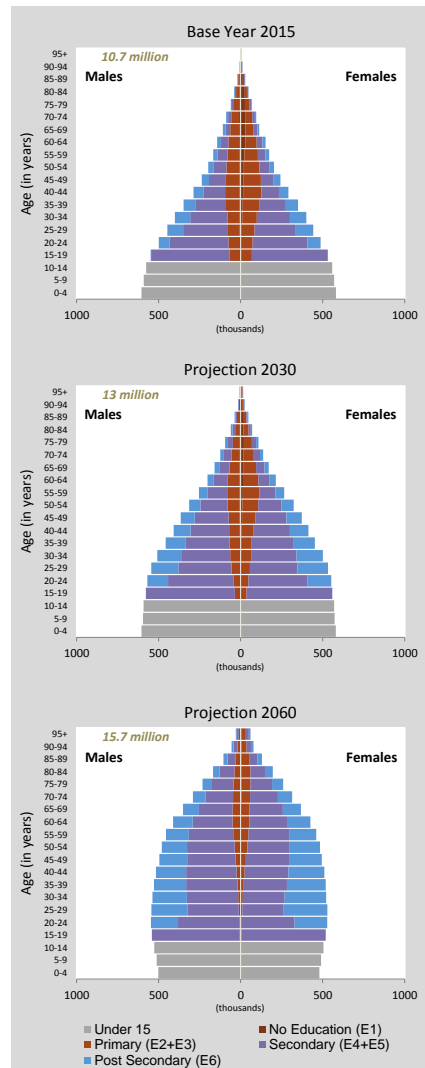
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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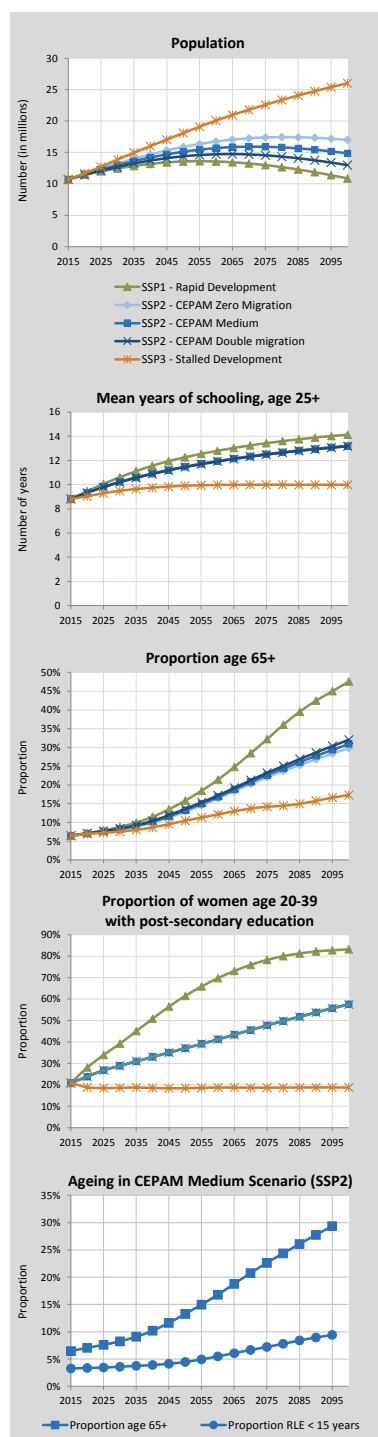

Base Year 2015 — 10.7 million — Males / Females

Projection 2030 — 13 million — Males / Females

Projection 2060 — 15.7 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)

Bolivia (Continued)

Population

Number (in millions)

- SSP1 - Rapid Development
- SSP2 - CEPAM Zero Migration
- SSP2 - CEPAM Medium
- SSP2 - CEPAM Double migration
- SSP3 - Stalled Development

Mean years of schooling, age 25+

Number of years

Proportion age 65+

Proportion

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

Proportion

Ageing in CEPAM Medium Scenario (SSP2)

Proportion

- Proportion age 65+
- Proportion RLE < 15 years

Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	10.72	11.43	12.45	13.56	13.56	12.99	10.87
SSP2 - CEPAM Zero Migration	10.72	11.59	13.24	15.88	16.75	17.39	17.01
SSP2 - CEPAM Medium	10.72	11.52	12.97	15.11	15.70	15.90	14.85
SSP2 - CEPAM Double Migration	10.72	11.44	12.71	14.39	14.71	14.55	12.99
SSP3 - Stalled Development	10.72	11.67	13.86	18.09	20.07	22.59	26.02
Proportion age 65+							
SSP1 - Rapid Development	6.5%	7.2%	8.8%	15.9%	21.4%	32.2%	47.6%
SSP2 - CEPAM Zero Migration	6.5%	7.0%	8.1%	12.9%	16.4%	22.1%	29.8%
SSP2 - CEPAM Medium	6.5%	7.1%	8.3%	13.3%	16.8%	22.6%	30.9%
SSP2 - CEPAM Double Migration	6.5%	7.1%	8.4%	13.6%	17.2%	23.2%	32.1%
SSP3 - Stalled Development	6.5%	6.9%	7.6%	10.5%	12.2%	14.2%	17.3%
Proportion below age 20							
SSP1 - Rapid Development	42.5%	39.7%	32.8%	22.9%	19.3%	15.0%	10.8%
SSP2 - CEPAM Zero Migration	42.5%	40.1%	35.7%	28.8%	25.9%	22.5%	18.9%
SSP2 - CEPAM Medium	42.5%	40.2%	35.8%	28.8%	26.0%	22.4%	18.6%
SSP2 - CEPAM Double Migration	42.5%	40.3%	36.0%	28.9%	26.0%	22.3%	18.4%
SSP3 - Stalled Development	42.5%	40.9%	39.4%	35.3%	33.5%	31.0%	28.7%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	20.8%	28.0%	39.2%	61.5%	69.7%	78.2%	83.2%
SSP2 - CEPAM Zero Migration	20.8%	23.8%	28.8%	37.1%	41.2%	47.7%	57.6%
SSP2 - CEPAM Medium	20.8%	23.8%	28.8%	37.0%	41.1%	47.7%	57.5%
SSP2 - CEPAM Double Migration	20.8%	23.8%	28.8%	37.0%	41.1%	47.6%	57.4%
SSP3 - Stalled Development	20.8%	18.8%	18.6%	18.3%	18.7%	18.6%	18.7%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.8	9.5	10.6	12.3	12.8	13.4	14.1
SSP2 - CEPAM Zero Migration	8.8	9.3	10.2	11.5	12.0	12.5	13.2
SSP2 - CEPAM Medium	8.8	9.3	10.2	11.5	11.9	12.5	13.2
SSP2 - CEPAM Double Migration	8.8	9.3	10.2	11.4	11.9	12.5	13.2
SSP3 - Stalled Development	8.8	9.0	9.5	9.9	10.0	10.0	10.0

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.58	2.16	1.74	1.45	1.36	1.28	1.24
SSP2 - CEPAM Zero Migration	2.81	2.60	2.32	1.98	1.86	1.74	1.68
SSP2 - CEPAM Medium	2.81	2.60	2.32	1.98	1.86	1.74	1.68
SSP2 - CEPAM Double Migration	2.81	2.60	2.32	1.98	1.86	1.74	1.68
SSP3 - Stalled Development	3.11	3.20	3.10	2.67	2.54	2.44	2.40
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	72.7	74.2	77.2	82.7	85.4	89.5	94.9
SSP2 - CEPAM Zero Migration	72.2	73.1	74.8	78.2	80.0	82.5	86.0
SSP2 - CEPAM Medium	72.2	73.1	74.8	78.2	80.0	82.5	86.0
SSP2 - CEPAM Double Migration	72.2	73.1	74.8	78.2	79.9	82.5	86.0
SSP3 - Stalled Development	71.6	71.7	72.0	72.7	73.1	73.8	75.0
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-69.7	-74.4	-81.2	-88.0	-87.4	-82.5	-70.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-69.7	-75.0	-84.7	-98.4	-101.8	-102.0	-95.7
SSP2 - CEPAM Double Migration	-139.3	-148.8	-165.4	-186.1	-189.0	-183.9	-165.0
SSP3 - Stalled Development	-46.4	-25.4	-0.1	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	24.1	25.3	28.3	34.5	37.7	42.3	47.7
Proportion age 65+	6.5%	7.1%	8.3%	13.3%	16.8%	22.6%	29.4%
Proportion RLE < 15 years	3.0%	3.2%	3.4%	4.2%	5.2%	7.0%	9.3%