Paraguay

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)	6.64	7.10	7.90	8.52	8.96	9.20
Proportion age 65+	6.0%	6.9%	8.9%	11.0%	14.8%	20.0%
Proportion below age 20	40.5%	37.7%	33.7%	29.9%	26.4%	23.6%

	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.45	2.30	2.09	1.94	1.83	1.76
Life expectancy at birth (in years)						
Male	71.1	72.2	74.3	76.5	78.7	79.7
Female	75.5	76.6	78.7	80.8	82.9	85.0
Five-year net-migration flow (in thousands)	-54.2	-58.1	-64.8	-69.6	-72.7	-73.6

Human Capital indicators, CEPAM Medium Scenario (SSP2)

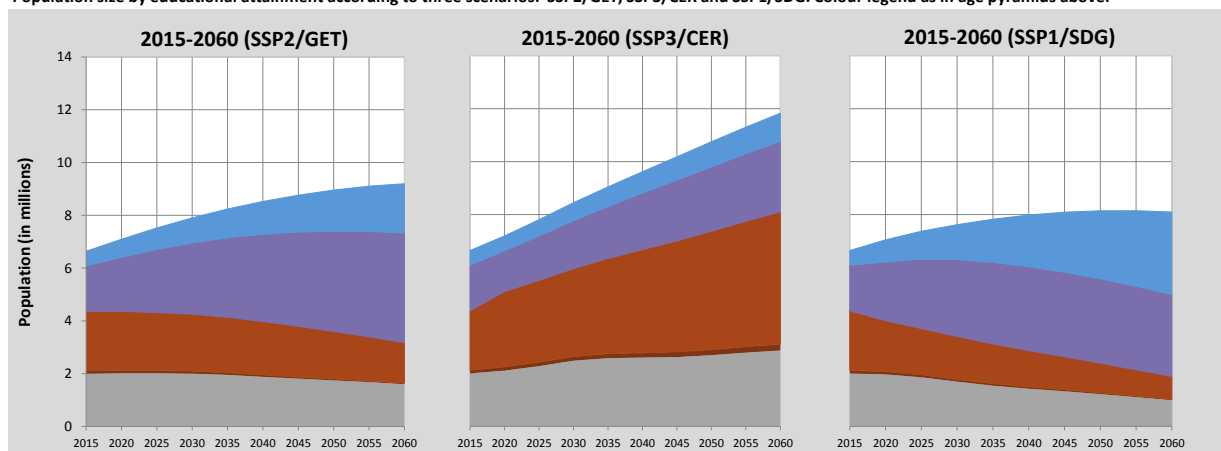|	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	3.2%	2.7%	1.9%	1.3%	0.9%	0.7%
E2 - incomplete primary	22.5%	19.3%	13.9%	10.1%	7.1%	4.9%
E3 - primary	30.4%	29.7%	27.7%	24.8%	21.4%	18.0%
E4 - lower secondary	12.6%	13.4%	14.7%	15.4%	15.7%	15.5%
E5 - upper secondary	17.2%	19.4%	23.6%	27.6%	31.3%	34.4%
E6 - post-secondary	14.2%	15.6%	18.2%	20.8%	23.6%	26.5%
Mean years of schooling (in years)	8.2	8.7	9.4	10.1	10.7	11.2
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.74	0.77	0.82	0.86	0.90	0.95
E2 - incomplete primary	0.95	0.94	0.92	0.92	0.91	0.90
E3 - primary	1.06	1.07	1.09	1.10	1.12	1.14
E4 - lower secondary	1.22	1.20	1.17	1.18	1.20	1.23
E5 - upper secondary	1.07	1.07	1.08	1.09	1.11	1.13
E6 - post-secondary	0.79	0.78	0.76	0.74	0.72	0.71
Mean years of schooling (male minus female)	0.0	-0.1	-0.1	-0.2	-0.2	-0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.3%	1.1%	0.6%	0.3%	0.2%	0.1%
E2 - incomplete primary	12.4%	9.7%	5.0%	2.6%	1.3%	0.6%
E3 - primary	28.6%	26.4%	22.1%	16.6%	11.7%	7.7%
E4 - lower secondary	16.1%	16.3%	16.8%	16.4%	15.4%	13.6%
E5 - upper secondary	25.5%	28.6%	34.2%	39.4%	43.0%	45.4%
E6 - post-secondary	16.1%	17.9%	21.3%	24.6%	28.4%	32.5%
Mean years of schooling (in years)	9.7	10.2	11.0	11.8	12.4	12.9

Education scenarios

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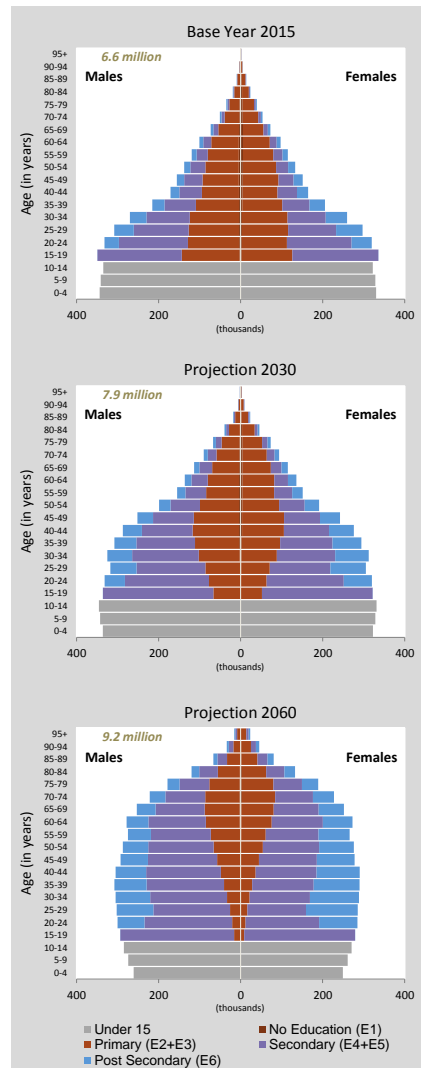
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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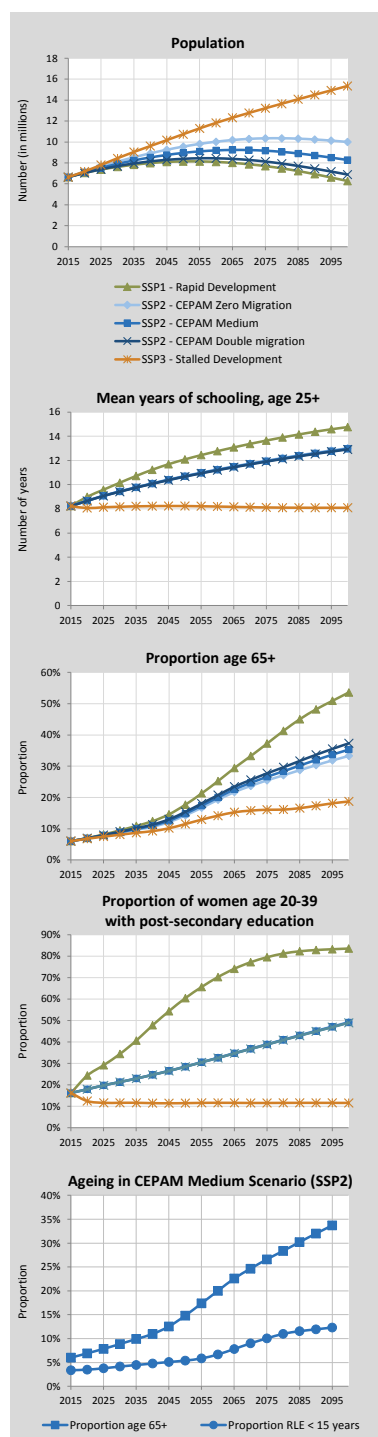

Base Year 2015 · 6.6 million · Males · Females

Projection 2030 · 7.9 million · Males · Females

Projection 2060 · 9.2 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)

Paraguay (Continued)

Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)

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)

	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	6.64	7.04	7.62	8.14	8.10	7.70	6.27
SSP2 - CEPAM Zero Migration	6.64	7.16	8.12	9.56	10.03	10.35	10.01
SSP2 - CEPAM Medium	6.64	7.10	7.90	8.96	9.20	9.17	8.28
SSP2 - CEPAM Double Migration	6.64	7.04	7.70	8.39	8.44	8.13	6.89
SSP3 - Stalled Development	6.64	7.19	8.45	10.75	11.83	13.22	15.36
Proportion age 65+							
SSP1 - Rapid Development	6.0%	7.0%	9.5%	17.7%	25.2%	37.2%	53.6%
SSP2 - CEPAM Zero Migration	6.0%	6.9%	8.7%	14.2%	19.2%	25.5%	33.3%
SSP2 - CEPAM Medium	6.0%	6.9%	8.9%	14.8%	20.0%	26.6%	35.3%
SSP2 - CEPAM Double Migration	6.0%	7.0%	9.0%	15.4%	20.8%	27.7%	37.3%
SSP3 - Stalled Development	6.0%	6.8%	8.1%	11.5%	14.2%	16.1%	18.7%
Proportion below age 20							
SSP1 - Rapid Development	40.5%	37.1%	30.8%	20.7%	17.1%	13.0%	8.9%
SSP2 - CEPAM Zero Migration	40.5%	37.6%	33.6%	26.5%	23.8%	20.7%	17.4%
SSP2 - CEPAM Medium	40.5%	37.7%	33.7%	26.4%	23.6%	20.3%	16.7%
SSP2 - CEPAM Double Migration	40.5%	37.8%	33.8%	26.3%	23.4%	19.9%	16.0%
SSP3 - Stalled Development	40.5%	38.4%	37.2%	33.0%	31.7%	29.9%	28.5%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	16.1%	24.3%	34.3%	60.4%	70.2%	79.5%	83.5%
SSP2 - CEPAM Zero Migration	16.1%	17.9%	21.3%	28.4%	32.6%	38.9%	49.2%
SSP2 - CEPAM Medium	16.1%	17.9%	21.3%	28.4%	32.5%	38.8%	49.0%
SSP2 - CEPAM Double Migration	16.1%	17.9%	21.3%	28.4%	32.5%	38.7%	48.9%
SSP3 - Stalled Development	16.1%	12.4%	11.6%	11.4%	11.6%	11.5%	11.5%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	8.2	9.0	10.2	12.1	12.8	13.6	14.8
SSP2 - CEPAM Zero Migration	8.2	8.7	9.4	10.7	11.3	12.0	13.0
SSP2 - CEPAM Medium	8.2	8.7	9.4	10.7	11.2	11.9	13.0
SSP2 - CEPAM Double Migration	8.2	8.7	9.4	10.7	11.2	11.9	12.9
SSP3 - Stalled Development	8.2	8.1	8.2	8.2	8.2	8.1	8.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.24	1.91	1.58	1.33	1.26	1.23	1.17
SSP2 - CEPAM Zero Migration	2.45	2.30	2.09	1.83	1.74	1.68	1.59
SSP2 - CEPAM Medium	2.45	2.30	2.09	1.83	1.74	1.68	1.59
SSP2 - CEPAM Double Migration	2.45	2.30	2.09	1.83	1.74	1.68	1.59
SSP3 - Stalled Development	2.73	2.84	2.77	2.48	2.41	2.39	2.33
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	76.1	77.7	80.9	87.1	90.3	94.9	101.3
SSP2 - CEPAM Zero Migration	75.5	76.6	78.7	82.9	85.0	88.1	92.3
SSP2 - CEPAM Medium	75.5	76.6	78.7	82.9	85.0	88.1	92.3
SSP2 - CEPAM Double Migration	75.5	76.6	78.7	82.9	85.0	88.1	92.3
SSP3 - Stalled Development	74.9	75.2	76.1	77.8	78.6	79.9	81.9
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-54.3	-57.7	-62.4	-65.9	-65.0	-60.4	-49.4
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-54.2	-58.1	-64.8	-72.7	-74.0	-72.3	-65.0
SSP2 - CEPAM Double Migration	-108.4	-114.9	-125.3	-133.9	-132.6	-123.4	-102.7
SSP3 - Stalled Development	-36.1	-19.7	0.0	-0.1	-0.1	-0.1	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	24.9	26.6	30.1	36.9	40.5	45.7	51.2
Proportion age 65+	6.0%	6.9%	8.9%	14.8%	20.0%	26.6%	33.7%
Proportion RLE < 15 years	3.2%	3.3%	4.0%	5.4%	6.6%	10.1%	12.4%