

India

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	1309.28	1386.22	1519.54	1618.72	1681.22	1709.44
Proportion age 65+	5.6%	6.6%	8.5%	10.7%	13.6%	17.0%
Proportion below age 20	38.1%	35.7%	31.3%	28.3%	25.5%	23.4%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	2.31	2.18	2.03	1.92	1.82	1.77
Life expectancy at birth (in years)						
Male	67.4	68.4	70.3	72.2	74.2	75.1
Female	70.5	71.5	73.5	75.6	77.6	79.6
Five-year net-migration flow (in thousands)	-436.0	-459.4	-493.8	-502.4	-482.1	-465.3

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	36.0%	31.4%	23.8%	17.8%	12.6%	8.5%
E2 - incomplete primary	6.6%	6.2%	5.3%	4.4%	3.5%	2.6%
E3 - primary	14.2%	14.4%	13.8%	12.5%	10.8%	8.9%
E4 - lower secondary	12.1%	13.2%	14.7%	15.4%	15.5%	14.8%
E5 - upper secondary	19.5%	21.5%	25.6%	29.5%	32.9%	35.6%
E6 - post-secondary	11.8%	13.3%	16.7%	20.5%	24.8%	29.6%
Mean years of schooling (in years)	6.2	6.8	7.9	8.9	9.9	10.8
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.55	0.55	0.55	0.56	0.56	0.58
E2 - incomplete primary	1.10	1.07	1.01	0.97	0.93	0.91
E3 - primary	1.14	1.08	1.01	0.97	0.93	0.90
E4 - lower secondary	1.43	1.30	1.19	1.15	1.11	1.09
E5 - upper secondary	1.58	1.46	1.29	1.18	1.11	1.06
E6 - post-secondary	1.60	1.48	1.31	1.21	1.14	1.09
Mean years of schooling (male minus female)	1.2	1.1	0.9	0.7	0.5	0.3
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	21.2%	16.5%	9.8%	6.5%	3.5%	1.6%
E2 - incomplete primary	5.1%	4.7%	3.6%	2.3%	1.4%	0.8%
E3 - primary	15.0%	14.5%	12.0%	8.5%	5.6%	3.6%
E4 - lower secondary	16.1%	16.8%	17.1%	15.6%	13.7%	11.0%
E5 - upper secondary	27.7%	30.4%	35.7%	40.1%	42.9%	43.9%
E6 - post-secondary	14.9%	17.1%	21.7%	27.0%	32.9%	39.1%
Mean years of schooling (in years)	7.3	8.2	9.7	10.8	11.8	12.6

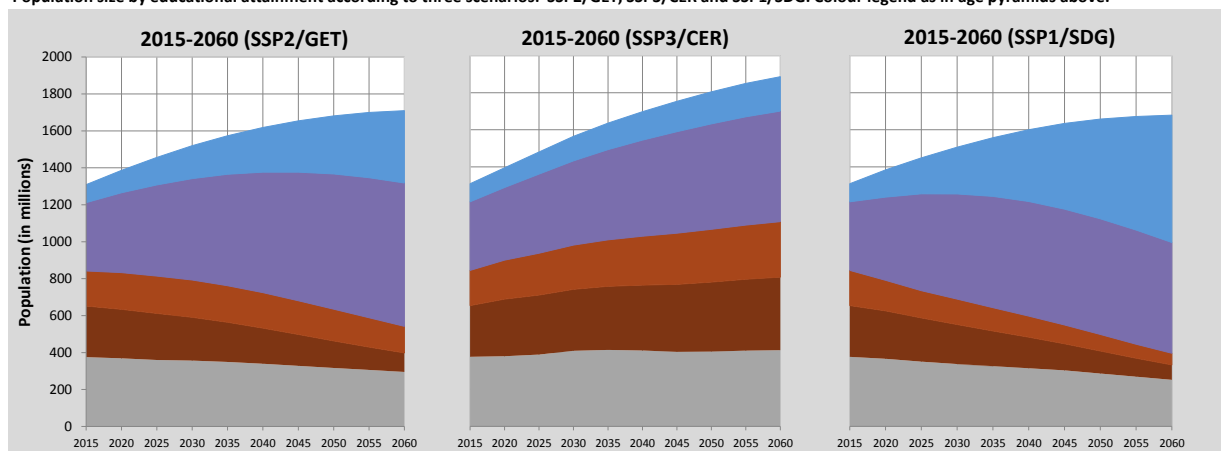
Education scenarios

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

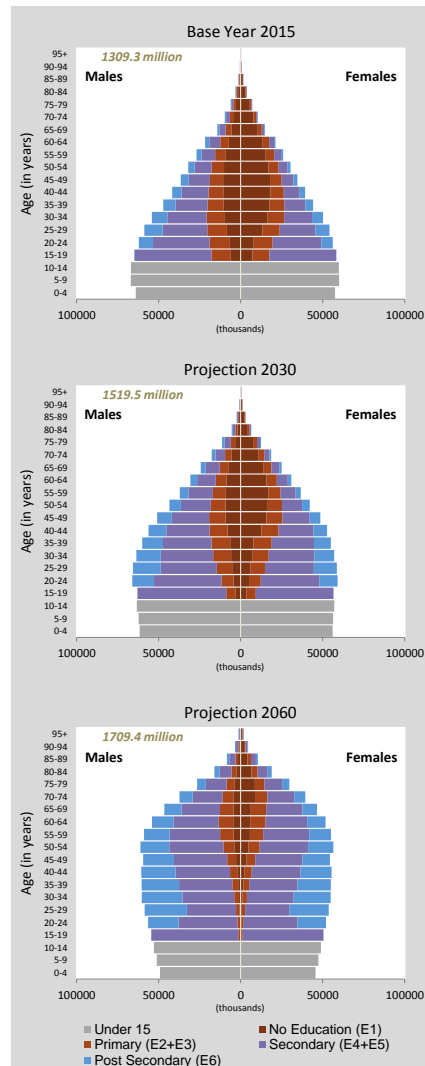
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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

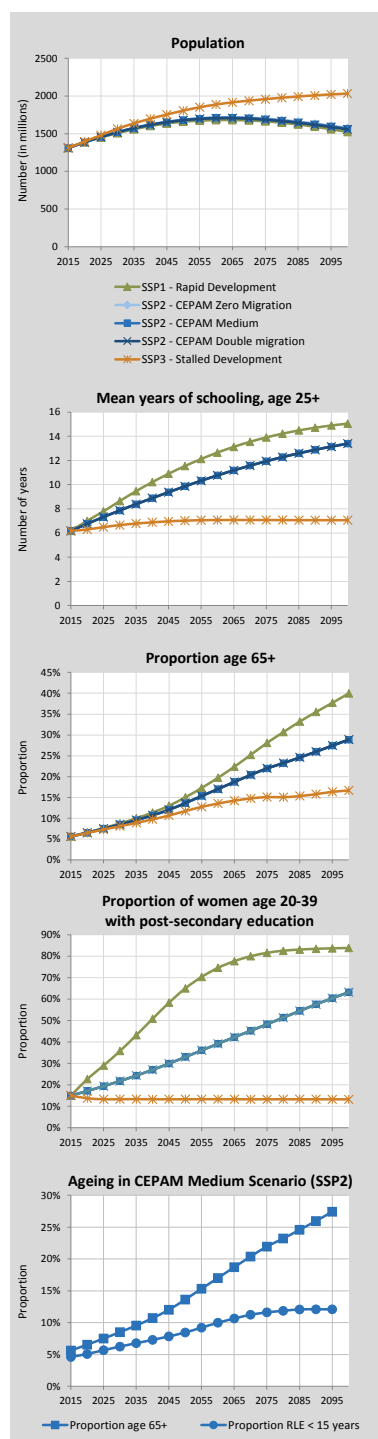
Population size by educational attainment according to three scenarios: SSP2/GET, SSP3/CER and SSP1/SDG. Colour legend as in age pyramids above.



Pyramids by education, CEPAM Medium Scenario



India (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario (SSP1-3)							
	2015	2020	2030	2050	2060	2075	2100
Population (in millions)							
SSP1 - Rapid Development	1309.3	1383.5	1506.0	1657.6	1679.2	1662.9	1520.9
SSP2 - CEPAM Zero Migration	1309.3	1386.7	1521.1	1685.4	1714.9	1699.1	1575.0
SSP2 - CEPAM Medium	1309.3	1386.2	1519.5	1681.2	1709.4	1691.9	1565.9
SSP2 - CEPAM Double Migration	1309.3	1385.8	1517.9	1676.9	1703.7	1684.3	1556.0
SSP3 - Stalled Development	1309.3	1395.2	1564.3	1805.1	1886.5	1957.9	2032.5
Proportion age 65+							
SSP1 - Rapid Development	5.6%	6.6%	8.8%	15.0%	19.7%	28.1%	40.0%
SSP2 - CEPAM Zero Migration	5.6%	6.5%	8.5%	13.6%	17.0%	21.9%	28.8%
SSP2 - CEPAM Medium	5.6%	6.6%	8.5%	13.6%	17.0%	22.0%	28.9%
SSP2 - CEPAM Double Migration	5.6%	6.6%	8.5%	13.7%	17.0%	22.0%	28.9%
SSP3 - Stalled Development	5.6%	6.5%	8.1%	11.7%	13.5%	15.1%	16.7%
Proportion below age 20							
SSP1 - Rapid Development	38.1%	35.5%	30.3%	23.6%	20.6%	17.4%	13.5%
SSP2 - CEPAM Zero Migration	38.1%	35.7%	31.3%	25.5%	23.4%	21.1%	18.1%
SSP2 - CEPAM Medium	38.1%	35.7%	31.3%	25.5%	23.4%	21.1%	18.1%
SSP2 - CEPAM Double Migration	38.1%	35.7%	31.3%	25.5%	23.4%	21.1%	18.1%
SSP3 - Stalled Development	38.1%	36.2%	33.7%	29.8%	28.8%	27.7%	26.9%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	14.9%	22.6%	35.7%	65.0%	74.5%	81.5%	83.8%
SSP2 - CEPAM Zero Migration	14.9%	17.1%	21.7%	32.9%	39.1%	48.2%	63.2%
SSP2 - CEPAM Medium	14.9%	17.1%	21.7%	32.9%	39.1%	48.2%	63.1%
SSP2 - CEPAM Double Migration	14.9%	17.1%	21.7%	32.9%	39.1%	48.2%	63.1%
SSP3 - Stalled Development	14.9%	13.7%	13.2%	13.2%	13.2%	13.2%	13.2%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	6.2	7.0	8.6	11.5	12.6	13.9	15.0
SSP2 - CEPAM Zero Migration	6.2	6.8	7.9	9.9	10.8	11.9	13.4
SSP2 - CEPAM Medium	6.2	6.8	7.9	9.9	10.8	11.9	13.4
SSP2 - CEPAM Double Migration	6.2	6.8	7.9	9.9	10.8	11.9	13.4
SSP3 - Stalled Development	6.2	6.3	6.7	7.0	7.1	7.1	7.1

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	2.23	2.04	1.85	1.61	1.51	1.44	1.39
SSP2 - CEPAM Zero Migration	2.31	2.18	2.03	1.82	1.74	1.66	1.59
SSP2 - CEPAM Medium	2.31	2.18	2.03	1.82	1.74	1.66	1.59
SSP2 - CEPAM Double Migration	2.31	2.18	2.03	1.82	1.74	1.66	1.59
SSP3 - Stalled Development	2.51	2.52	2.47	2.27	2.23	2.21	2.17
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	71.1	72.8	76.0	81.8	84.9	89.6	95.8
SSP2 - CEPAM Zero Migration	70.5	71.5	73.5	77.6	79.6	82.7	86.7
SSP2 - CEPAM Medium	70.5	71.5	73.5	77.6	79.6	82.7	86.7
SSP2 - CEPAM Double Migration	70.5	71.5	73.5	77.6	79.6	82.7	86.7
SSP3 - Stalled Development	69.9	70.1	70.7	72.0	72.6	73.7	75.5
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	-436.0	-464.5	-525.0	-595.2	-609.1	-613.8	-588.6
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-436.0	-459.4	-493.8	-482.1	-444.4	-361.5	-245.9
SSP2 - CEPAM Double Migration	-871.9	-924.4	-1005.2	-1002.6	-935.2	-776.1	-546.4
SSP3 - Stalled Development	-290.7	-153.6	-0.7	-0.6	-0.5	-0.3	-0.1

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	26.7	28.2	31.4	37.6	40.2	43.6	47.5
Proportion age 65+	5.6%	6.6%	8.5%	13.6%	17.0%	22.0%	27.4%
Proportion RLE < 15 years	4.6%	5.0%	6.1%	8.4%	9.9%	11.3%	11.8%