Brazil

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)								
	2015	2020	2030	2040	2050	2060		
Population (in millions)	205.94	214.26	225.68	230.76	230.18	224.51		
Proportion age 65+	8.0%	9.5%	13.6%	17.9%	23.3%	28.3%		
Proportion below age 20	31.0%	28.5%	24.7%	21.3%	18.8%	17.1%		
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060		
Total Fertility Rate	1.76	1.67	1.56	1.51	1.47	1.50		
Life expectancy at birth (in years)								
Male	72.2	73.3	75.5	77.7	79.9	81.0		
Female	79.4	80.4	82.4	84.4	86.4	88.4		
Five-year net-migration flow (in thousands)	2.5	5.4	13.3	23.2	34.2	45.3		

Human Capital indicators, CEPAM Med	lium Scenario (SSP2)							
	2015	2020	2030	2040	2050	2060			
Population age 25+: highest education	al attainment	(columns su	ım to 100%)					
E1 - no education	9.0%	7.6%	5.3%	3.7%	2.6%	1.7%			
E2 - incomplete primary	15.0%	13.2%	10.1%	7.5%	5.3%	3.6%			
E3 - primary	20.5%	19.6%	17.6%	15.3%	12.8%	10.4%			
E4 - lower secondary	15.6%	16.1%	16.6%	16.6%	16.0%	15.1%			
E5 - upper secondary	27.6%	30.1%	35.0%	39.4%	43.5%	47.0%			
E6 - post-secondary	12.3%	13.4%	15.3%	17.4%	19.7%	22.2%			
Mean years of schooling (in years)	6.7	7.2	8.1	8.9	9.5	10.1			
Gender gap (population age 25+): high	est educationa	ıl attainme	nt (proport	ion males -	proportion	females)			
E1 - no education	0.0	0.0	0.0	0.0	0.0	0.0			
E2 - incomplete primary	1.0	1.0	1.0	0.0	0.0	0.0			
E3 - primary	1.0	1.0	1.0	1.0	1.0	1.0			
E4 - lower secondary	1.0	1.0	2.0	2.0	2.0	3.0			
E5 - upper secondary	-1.0	-1.0	0.0	1.0	2.0	3.0			
E6 - post-secondary	-3.0	-3.0	-4.0	-5.0	-6.0	-7.0			
Mean years of schooling (male minus female)	-0.2	-0.3	-0.3	-0.3	-0.3	-0.4			
Women age 20-39: highest educational attainment (columns sum to 100%)									
E1 - no education	2.9%	2.2%	1.1%	0.6%	0.3%	0.1%			
E2 - incomplete primary	5.7%	4.1%	2.8%	1.6%	0.7%	0.3%			
E3 - primary	15.8%	14.0%	10.5%	6.7%	4.1%	2.2%			
E4 - lower secondary	18.1%	17.2%	15.3%	12.9%	10.2%	7.6%			
E5 - upper secondary	42.2%	44.9%	48.6%	52.1%	54.0%	54.2%			
E6 - post-secondary	15.3%	17.6%	21.8%	26.1%	30.8%	35.6%			
Mean years of schooling (in years)	9.0	9.7	10.3	10.9	11.4	11.8			

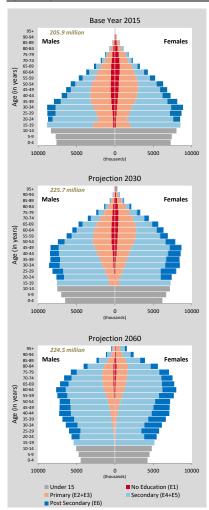
Education scenarios

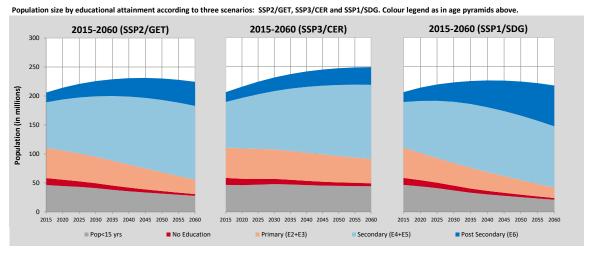
SSP2/GET: Global Education Trend Scenario (Medium assumption)

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

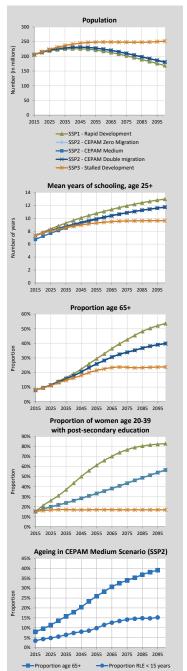
SSP1/SDG: Sustainable Development Goal Scenario (universal primary and secondary education by 2030)

Pyramids by education, CEPAM Medium Scenario





Brazil (Continued)



Alternative Scenarios to 2100

Projection Results by Scenario							
OI-ti (iilli)	2015	2020	2030	2050	2060	2075	2100
Population (in millions)	205.04	242.64	222.77	224.24	247.44	202.45	460.00
SSP1 - Rapid Development	205.94	213.64	222.77	224.21	217.44	202.15	168.80
SSP2 - CEPAM Zero Migration	205.94	214.25	225.66	230.08	224.34	209.64	179.63
SSP2 - CEPAM Medium	205.94	214.26	225.68	230.18	224.51	209.99	180.38
SSP2 - CEPAM Double Migration	205.94	214.26	225.69	230.26	224.65	210.27	181.00
SSP3 - Stalled Development	205.94	215.28	231.12	247.13	248.96	248.29	251.99
Proportion age 65+							
SSP1 - Rapid Development	8.0%	9.6%	14.1%	26.0%	32.8%	42.5%	53.6%
SSP2 - CEPAM Zero Migration	8.0%	9.5%	13.6%	23.3%	28.3%	33.9%	40.0%
SSP2 - CEPAM Medium	8.0%	9.5%	13.6%	23.3%	28.3%	33.9%	39.9%
SSP2 - CEPAM Double Migration	8.0%	9.5%	13.6%	23.3%	28.2%	33.9%	39.8%
SSP3 - Stalled Development	8.0%	9.4%	12.9%	19.9%	22.5%	23.6%	23.8%
Proportion below age 20							
SSP1 - Rapid Development	31.0%	28.2%	23.2%	15.7%	13.5%	11.6%	10.3%
SSP2 - CEPAM Zero Migration	31.0%	28.5%	24.7%	18.8%	17.1%	15.8%	15.3%
SSP2 - CEPAM Medium	31.0%	28.5%	24.7%	18.8%	17.1%	15.8%	15.3%
SSP2 - CEPAM Double Migration	31.0%	28.5%	24.7%	18.8%	17.1%	15.8%	15.3%
SSP3 - Stalled Development	31.0%	28.9%	27.0%	24.3%	23.7%	23.8%	25.0%
Proportion of women age 20-3	39 with post-	secondary e	ducation				
SSP1 - Rapid Development	15.3%	21.2%	31.1%	56.1%	66.2%	76.9%	83.0%
SSP2 - CEPAM Zero Migration	15.3%	17.6%	21.8%	30.8%	35.6%	43.5%	56.6%
SSP2 - CEPAM Medium	15.3%	17.6%	21.8%	30.8%	35.6%	43.5%	56.6%
SSP2 - CEPAM Double Migration	15.3%	17.6%	21.8%	30.8%	35.6%	43.6%	56.6%
SSP3 - Stalled Development	15.3%	16.2%	17.1%	16.9%	17.0%	16.9%	16.9%
Mean years of schooling, age	25+						
SSP1 - Rapid Development	7.3	7.9	8.8	10.4	11.1	11.9	13.0
SSP2 - CEPAM Zero Migration	7.3	7.7	8.5	9.7	10.2	10.9	11.7
SSP2 - CEPAM Medium	6.7	7.2	8.1	9.5	10.1	10.9	11.7
SSP2 - CEPAM Double Migration	7.3	7.7	8.5	9.7	10.2	10.9	11.7
SSP3 - Stalled Development	7.3	7.7	8.3	9.1	9.4	9.6	9.6

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.66	1.48	1.31	1.23	1.26	1.37	1.40
SSP2 - CEPAM Zero Migration	1.76	1.67	1.56	1.47	1.50	1.61	1.64
SSP2 - CEPAM Medium	1.76	1.67	1.56	1.47	1.50	1.61	1.64
SSP2 - CEPAM Double Migration	1.76	1.67	1.56	1.47	1.50	1.61	1.64
SSP3 - Stalled Development	1.91	1.97	2.02	1.97	2.01	2.14	2.26
Life expectancy at birth for f	emales (in ye	ars)					
SSP1 - Rapid Development	79.9	81.5	84.5	90.5	93.5	98.0	104.2
SSP2 - CEPAM Zero Migration	79.4	80.4	82.4	86.4	88.4	91.4	95.4
SSP2 - CEPAM Medium	79.4	80.4	82.4	86.4	88.4	91.4	95.4
SSP2 - CEPAM Double Migration	79.4	80.4	82.4	86.4	88.4	91.4	95.4
SSP3 - Stalled Development	78.9	79.4	80.3	82.2	83.1	84.5	86.3
Migration – net flow over fi	ve years (in t	housands)					
SSP1 - Rapid Development	2.5	4.8	9.4	20.0	24.8	29.7	31.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	2.5	5.4	13.3	34.2	45.3	59.8	72.2
SSP2 - CEPAM Double Migration	4.8	9.8	23.8	62.1	82.8	110.4	134.1
SSP3 - Stalled Development	1.6	1.9	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	31.3	33.4	37.7	45.6	48.7	52.7	55.9	
Proportion age 65+	8.0%	9.5%	13.6%	23.3%	28.3%	33.9%	39.1%	
Proportion RLE < 15 years	3.5%	4.3%	5.5%	8.5%	11.4%	14.1%	15.2%	