Lebanon

Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2040	2050	2060
Population (in millions)	5.85	6.29	7.11	7.73	8.20	8.57
Proportion age 65+	8.1%	8.9%	11.6%	14.3%	18.5%	24.8%
Proportion below age 20	33.5%	30.0%	26.6%	22.7%	19.2%	17.9%

	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	1.71	1.61	1.48	1.41	1.44	1.55
Life expectancy at birth (in years)						
Male	78.2	78.9	80.2	81.4	82.7	83.3
Female	81.6	82.3	83.7	85.1	86.5	87.9
Five-year net-migration flow (in thousands)	111.7	116.5	124.7	133.1	140.4	144.4

Human Capital indicators, CEPAM Medium Scenario (SSP2)

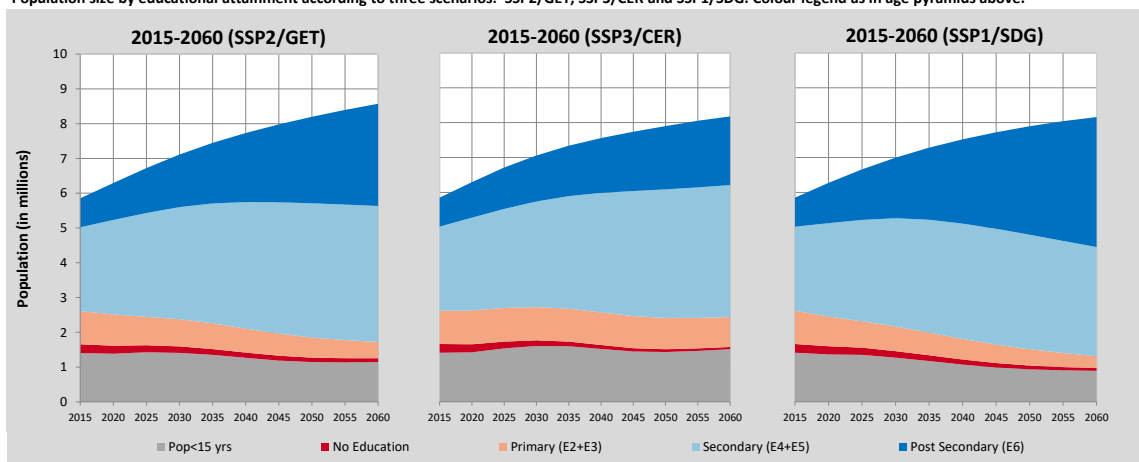|	2015	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment (columns sum to 100%)						
E1 - no education	7.3%	5.9%	3.8%	2.7%	2.1%	1.7%
E2 - incomplete primary	3.6%	2.9%	1.9%	1.4%	1.1%	0.9%
E3 - primary	19.9%	17.8%	13.9%	10.9%	8.2%	6.1%
E4 - lower secondary	29.4%	28.9%	27.7%	25.6%	22.7%	19.7%
E5 - upper secondary	18.7%	20.8%	23.9%	26.4%	28.4%	30.0%
E6 - post-secondary	21.0%	23.7%	28.7%	33.0%	37.4%	41.7%
Mean years of schooling (in years)	9.6	10.1	10.9	11.5	12.0	12.5
Gender gap (population age 25+): highest educational attainment (proportion males - proportion females)						
E1 - no education	-4.0	-3.0	-2.0	-1.0	0.0	0.0
E2 - incomplete primary	0.0	0.0	0.0	0.0	0.0	0.0
E3 - primary	5.0	4.0	3.0	2.0	2.0	1.0
E4 - lower secondary	-1.0	0.0	1.0	2.0	2.0	3.0
E5 - upper secondary	0.0	0.0	0.0	0.0	1.0	0.0
E6 - post-secondary	0.0	-1.0	-3.0	-5.0	-6.0	-8.0
Mean years of schooling (male minus female)	0.2	0.0	-0.2	-0.3	-0.4	-0.4
Women age 20-39: highest educational attainment (columns sum to 100%)						
E1 - no education	1.1%	1.3%	0.9%	0.8%	0.6%	0.4%
E2 - incomplete primary	0.5%	0.7%	0.5%	0.4%	0.3%	0.2%
E3 - primary	11.7%	9.0%	4.8%	2.6%	1.4%	1.0%
E4 - lower secondary	29.1%	26.0%	21.7%	15.9%	10.9%	7.1%
E5 - upper secondary	27.5%	29.4%	31.4%	33.3%	33.4%	32.1%
E6 - post-secondary	30.1%	33.6%	40.7%	47.1%	53.4%	59.2%
Mean years of schooling (in years)	11.5	11.9	12.6	13.2	13.7	14.1

Education scenarios

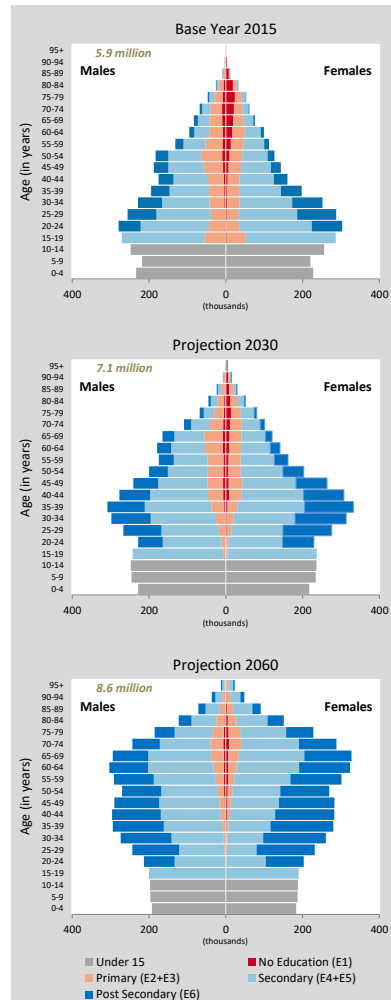*SSP2/GET: Global Education Trend Scenario (Medium assumption)*

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

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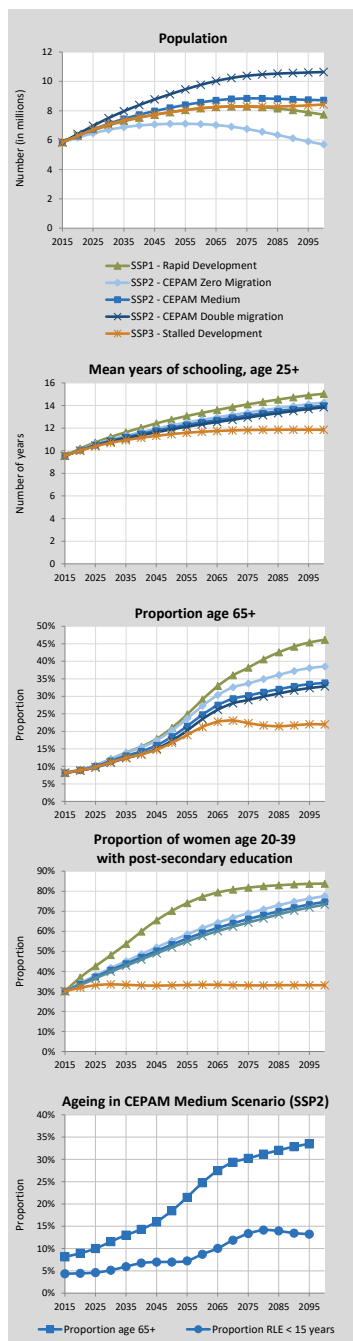
Pyramids by education, CEPAM Medium Scenario

Base Year 2015

Projection 2030

Projection 2060

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)

Pop<15 yrs | No Education | Primary (E2+E3) | Secondary (E4+E5) | Post Secondary (E6)

Lebanon (Continued)

Population

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

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)

- 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	5.85	6.27	7.00	7.90	8.16	8.29	7.74
SSP2 - CEPAM Zero Migration	5.85	6.17	6.70	7.11	7.09	6.76	5.70
SSP2 - CEPAM Medium	5.85	6.29	7.11	8.20	8.57	8.84	8.72
SSP2 - CEPAM Double Migration	5.85	6.41	7.50	9.13	9.76	10.38	10.64
SSP3 - Stalled Development	5.85	6.29	7.06	7.90	8.18	8.30	8.43
Proportion age 65+							
SSP1 - Rapid Development	8.1%	9.0%	12.1%	21.0%	29.1%	38.2%	46.2%
SSP2 - CEPAM Zero Migration	8.1%	9.1%	12.1%	20.3%	27.3%	33.7%	38.5%
SSP2 - CEPAM Medium	8.1%	8.9%	11.6%	18.5%	24.8%	30.2%	33.8%
SSP2 - CEPAM Double Migration	8.1%	8.8%	11.1%	17.4%	23.5%	29.0%	32.8%
SSP3 - Stalled Development	8.1%	8.9%	11.2%	16.7%	21.3%	22.4%	22.0%
Proportion below age 20							
SSP1 - Rapid Development	33.5%	29.7%	24.9%	16.4%	14.8%	13.5%	12.5%
SSP2 - CEPAM Zero Migration	33.5%	30.1%	26.6%	18.8%	17.3%	16.4%	15.9%
SSP2 - CEPAM Medium	33.5%	30.0%	26.6%	19.2%	17.9%	17.2%	17.0%
SSP2 - CEPAM Double Migration	33.5%	29.9%	26.6%	19.5%	18.2%	17.6%	17.2%
SSP3 - Stalled Development	33.5%	30.6%	29.3%	24.4%	24.1%	24.6%	25.8%
Proportion of women age 20-39 with post-secondary education							
SSP1 - Rapid Development	30.1%	37.0%	48.1%	70.2%	77.2%	81.8%	83.8%
SSP2 - CEPAM Zero Migration	30.1%	34.1%	41.7%	55.3%	61.6%	69.0%	77.6%
SSP2 - CEPAM Medium	30.1%	33.6%	40.7%	53.4%	59.2%	66.1%	74.7%
SSP2 - CEPAM Double Migration	30.1%	33.1%	39.8%	52.0%	57.7%	64.4%	73.3%
SSP3 - Stalled Development	30.1%	31.8%	33.5%	33.0%	33.3%	33.0%	33.1%
Mean years of schooling, age 25+							
SSP1 - Rapid Development	9.6	10.2	11.2	12.8	13.4	14.1	15.0
SSP2 - CEPAM Zero Migration	9.6	10.1	11.0	12.2	12.7	13.4	14.3
SSP2 - CEPAM Medium	9.6	10.1	10.9	12.0	12.5	13.1	14.0
SSP2 - CEPAM Double Migration	9.6	10.0	10.8	11.9	12.3	12.9	13.9
SSP3 - Stalled Development	9.6	10.0	10.7	11.5	11.7	11.8	11.9

Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.61	1.43	1.23	1.21	1.33	1.39	1.41
SSP2 - CEPAM Zero Migration	1.71	1.61	1.48	1.44	1.54	1.60	1.61
SSP2 - CEPAM Medium	1.71	1.61	1.48	1.44	1.55	1.60	1.62
SSP2 - CEPAM Double Migration	1.71	1.62	1.49	1.45	1.55	1.60	1.62
SSP3 - Stalled Development	1.86	1.93	1.98	2.01	2.13	2.21	2.25
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	82.2	83.4	85.8	90.6	93.0	96.7	101.6
SSP2 - CEPAM Zero Migration	81.6	82.4	83.8	86.6	88.0	90.1	92.9
SSP2 - CEPAM Medium	81.6	82.3	83.7	86.5	87.9	90.0	92.8
SSP2 - CEPAM Double Migration	81.6	82.3	83.7	86.5	87.9	89.9	92.7
SSP3 - Stalled Development	81.1	81.3	81.7	82.3	82.7	83.1	83.6
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	111.8	115.5	118.0	117.8	112.9	102.1	85.5
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	111.7	116.5	124.7	140.4	144.4	147.6	144.6
SSP2 - CEPAM Double Migration	223.1	226.4	229.5	234.3	230.1	221.7	202.7
SSP3 - Stalled Development	74.4	39.4	0.1	0.2	0.2	0.2	0.3

Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	28.5	30.8	35.4	43.8	46.5	50.0	51.1
Proportion age 65+	8.1%	8.9%	11.6%	18.5%	24.8%	30.2%	33.5%
Proportion RLE < 15 years	4.4%	4.5%	5.2%	7.0%	8.7%	13.3%	13.3%