

# Zambia

## Detailed Human Capital projections to 2060

Demographic indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
Population (in millions)	16.10	18.78	24.61	30.89	37.07	42.55
Proportion age 65+	2.5%	2.4%	2.6%	3.3%	4.5%	5.8%
Proportion below age 20	56.6%	55.3%	51.7%	47.4%	42.9%	38.1%
	2015-2020	2020-2025	2030-2035	2040-2045	2050-2055	2055-2060
Total Fertility Rate	5.00	4.56	3.83	3.18	2.64	2.27
Life expectancy at birth (in years)						
Male	59.6	60.3	61.7	63.1	64.6	65.3
Female	65.0	65.7	67.0	68.2	69.5	70.8
Five-year net-migration flow (in thousands)	-5.6	-12.3	-27.9	-46.0	-64.6	-81.5

Human Capital indicators, CEPAM Medium Scenario (SSP2)						
	2015	2020	2030	2040	2050	2060
<b>Population age 25+: highest educational attainment (columns sum to 100%)</b>						
E1 - no education	16.6%	13.7%	9.0%	6.0%	3.8%	2.3%
E2 - incomplete primary	21.2%	19.7%	16.2%	12.6%	9.2%	6.4%
E3 - primary	21.0%	21.3%	21.2%	19.6%	17.4%	14.7%
E4 - lower secondary	17.8%	19.3%	21.6%	23.2%	23.6%	22.8%
E5 - upper secondary	10.3%	11.9%	15.6%	19.9%	24.4%	28.8%
E6 - post-secondary	13.1%	14.2%	16.4%	18.7%	21.6%	24.9%
Mean years of schooling (in years)	7.6	8.0	8.9	9.7	10.4	11.1
<b>Gender gap (population age 25+): highest educational attainment (proportion males - proportion females)</b>						
E1 - no education	-11.0	-8.0	-4.0	-2.0	-1.0	0.0
E2 - incomplete primary	-8.0	-8.0	-6.0	-4.0	-2.0	-1.0
E3 - primary	0.0	0.0	-1.0	-1.0	-1.0	-1.0
E4 - lower secondary	5.0	4.0	1.0	-1.0	-3.0	-4.0
E5 - upper secondary	7.0	7.0	5.0	4.0	3.0	2.0
E6 - post-secondary	7.0	6.0	5.0	4.0	4.0	4.0
Mean years of schooling (in years)	7.6	8.0	8.9	9.7	10.4	11.1
<b>Women age 20-39: highest educational attainment (columns sum to 100%)</b>						
E1 - no education	13.5%	10.1%	4.3%	2.0%	0.9%	0.4%
E2 - incomplete primary	22.6%	18.7%	12.5%	7.6%	4.2%	2.1%
E3 - primary	21.7%	21.7%	20.6%	17.6%	13.6%	9.8%
E4 - lower secondary	19.6%	22.0%	25.6%	26.8%	25.8%	22.4%
E5 - upper secondary	12.3%	15.4%	21.5%	27.4%	33.4%	39.1%
E6 - post-secondary	10.2%	12.2%	15.5%	18.6%	22.2%	26.2%
Mean years of schooling (in years)	7.6	8.4	9.7	10.5	11.3	11.9

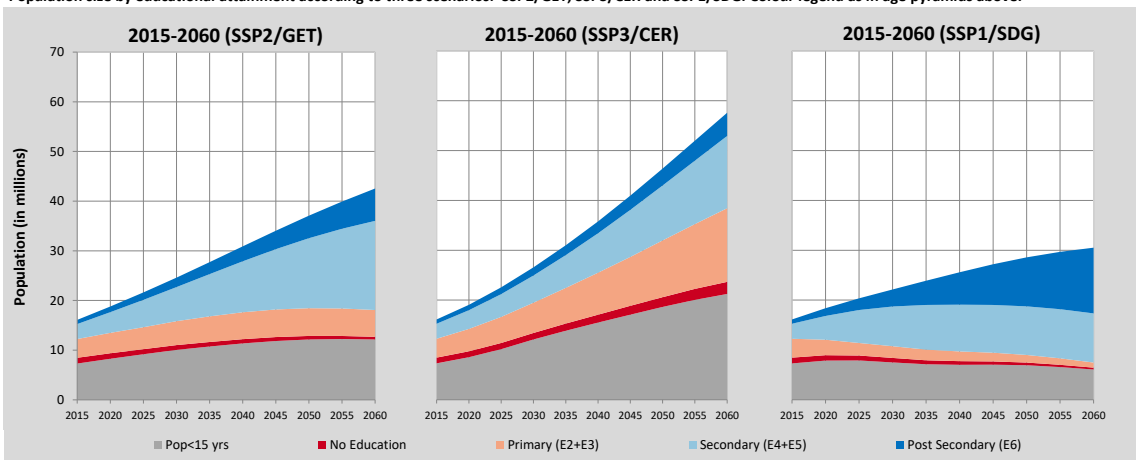
### Education scenarios

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

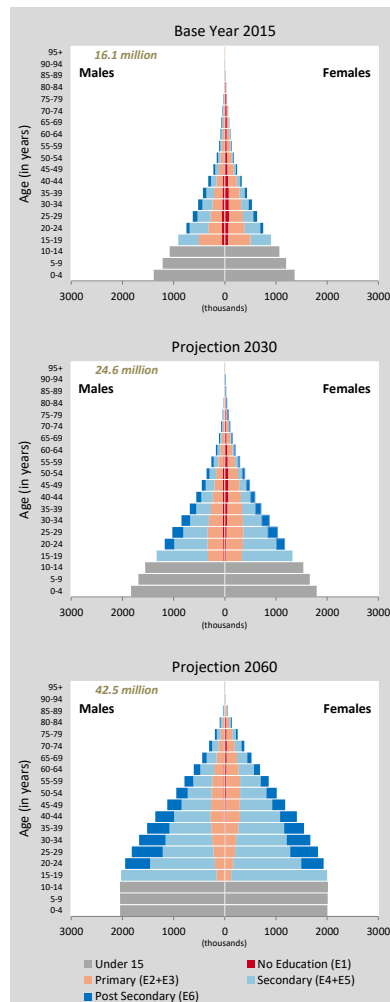
SSP3/CER: Constant Enrollment Rates Scenario (assumption of no future improvements)

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

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

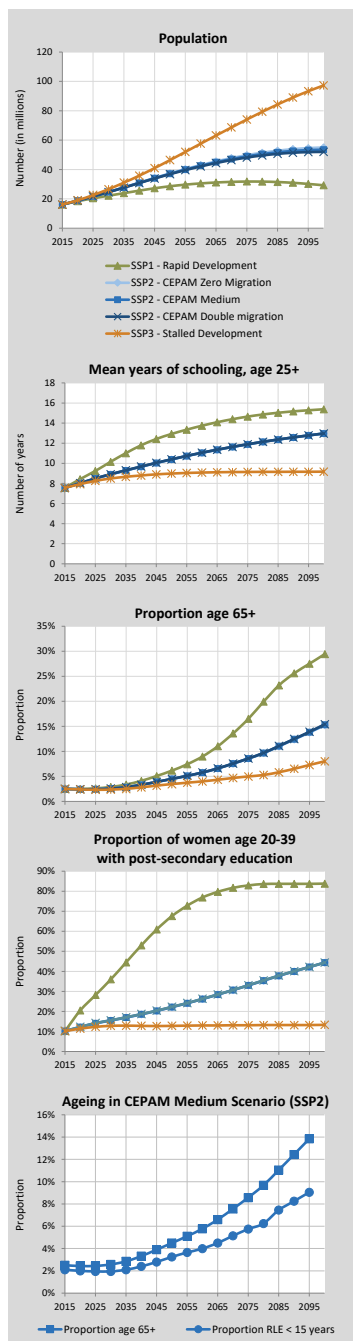


## Pyramids by education, CEPAM Medium Scenario



## Zambia (Continued)

### Alternative Scenarios to 2100



#### Projection Results by Scenario (SSP1-3)

	2015	2020	2030	2050	2060	2075	2100
<b>Population (in millions)</b>							
SSP1 - Rapid Development	16.10	18.39	22.14	28.58	30.52	31.78	29.24
SSP2 - CEPAM Zero Migration	16.10	18.79	24.66	37.34	43.00	49.75	54.99
SSP2 - CEPAM Medium	16.10	18.78	24.61	37.07	42.55	48.94	53.47
SSP2 - CEPAM Double Migration	16.10	18.78	24.56	36.80	42.09	48.13	51.98
SSP3 - Stalled Development	16.10	19.06	26.58	46.38	57.58	74.05	97.27
<b>Proportion age 65+</b>							
SSP1 - Rapid Development	2.5%	2.5%	2.9%	6.2%	9.0%	16.5%	29.4%
SSP2 - CEPAM Zero Migration	2.5%	2.4%	2.6%	4.5%	5.8%	8.5%	15.2%
SSP2 - CEPAM Medium	2.5%	2.4%	2.6%	4.5%	5.8%	8.6%	15.3%
SSP2 - CEPAM Double Migration	2.5%	2.4%	2.6%	4.5%	5.8%	8.6%	15.4%
SSP3 - Stalled Development	2.5%	2.4%	2.4%	3.5%	4.0%	5.0%	8.0%
<b>Proportion below age 20</b>							
SSP1 - Rapid Development	56.6%	54.3%	45.9%	32.3%	27.5%	21.3%	15.5%
SSP2 - CEPAM Zero Migration	56.6%	55.3%	51.7%	42.8%	38.0%	31.8%	24.9%
SSP2 - CEPAM Medium	56.6%	55.3%	51.7%	42.9%	38.1%	31.8%	24.9%
SSP2 - CEPAM Double Migration	56.6%	55.3%	51.7%	42.9%	38.1%	31.9%	24.9%
SSP3 - Stalled Development	56.6%	56.0%	55.4%	51.0%	47.4%	41.7%	35.2%
<b>Proportion of women age 20-39 with post-secondary education</b>							
SSP1 - Rapid Development	10.2%	20.5%	36.0%	67.6%	76.9%	82.9%	83.8%
SSP2 - CEPAM Zero Migration	10.2%	12.1%	15.4%	22.1%	26.2%	33.0%	44.3%
SSP2 - CEPAM Medium	10.2%	12.2%	15.5%	22.2%	26.2%	33.0%	44.4%
SSP2 - CEPAM Double Migration	10.2%	12.3%	15.6%	22.3%	26.3%	33.1%	44.4%
SSP3 - Stalled Development	10.2%	11.4%	12.8%	12.8%	13.0%	13.1%	13.3%
<b>Mean years of schooling, age 25+</b>							
SSP1 - Rapid Development	7.6	8.4	10.2	12.9	13.7	14.7	15.4
SSP2 - CEPAM Zero Migration	7.6	8.0	8.9	10.4	11.0	11.9	13.0
SSP2 - CEPAM Medium	7.6	8.0	8.9	10.4	11.1	11.9	13.0
SSP2 - CEPAM Double Migration	7.6	8.0	8.9	10.4	11.1	11.9	13.0
SSP3 - Stalled Development	7.6	7.9	8.5	9.0	9.1	9.1	9.2

#### Demographic assumptions underlying SSPs

	2015-2020	2020-2025	2030-2035	2050-2055	2060-2065	2075-2080	2095-2100
<b>Total fertility rate</b>							
SSP1 - Rapid Development	4.39	3.41	2.39	1.74	1.56	1.40	1.26
SSP2 - CEPAM Zero Migration	5.00	4.57	3.83	2.64	2.27	1.97	1.75
SSP2 - CEPAM Medium	5.00	4.56	3.83	2.64	2.27	1.97	1.75
SSP2 - CEPAM Double Migration	5.00	4.56	3.83	2.64	2.27	1.97	1.75
SSP3 - Stalled Development	5.45	5.46	5.21	3.79	3.24	2.80	2.52
<b>Life expectancy at birth for females (in years)</b>							
SSP1 - Rapid Development	65.6	67.1	69.9	74.6	76.8	80.2	84.6
SSP2 - CEPAM Zero Migration	65.0	65.7	66.9	69.5	70.7	72.7	75.2
SSP2 - CEPAM Medium	65.0	65.7	67.0	69.5	70.8	72.7	75.2
SSP2 - CEPAM Double Migration	65.0	65.7	67.0	69.5	70.8	72.7	75.2
SSP3 - Stalled Development	64.5	64.5	64.5	64.1	63.9	63.7	63.6
<b>Migration – net flow over five years (in thousands)</b>							
SSP1 - Rapid Development	-5.6	-11.2	-21.1	-40.3	-47.0	-52.8	-51.1
SSP2 - CEPAM Zero Migration	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SSP2 - CEPAM Medium	-5.6	-12.3	-27.9	-64.6	-81.5	-102.0	-116.5
SSP2 - CEPAM Double Migration	-11.2	-24.9	-56.6	-129.5	-162.5	-201.5	-226.9
SSP3 - Stalled Development	-3.7	-4.3	0.0	-0.1	-0.1	-0.1	-0.2

#### Ageing indicators, CEPAM Medium Scenario (SSP2)

	2015	2020	2030	2050	2060	2075	2095
Median age	17.0	17.7	19.2	23.8	26.7	31.3	37.1
Proportion age 65+	2.5%	2.4%	2.6%	4.5%	5.8%	8.6%	13.8%
Proportion RLE < 15 years	2.1%	2.0%	2.0%	3.2%	4.0%	5.7%	9.1%