Japan

Detailed Human Capital projections to 2060

Demographic indicators, Medium Scenario (SSP2)

	2010	2020	2030	2040	2050	2060
Population (in millions)	126.5	124.5	119.9	114.0	107.5	100.8
Proportion age 65+	0.23	0.29	0.31	0.36	0.40	0.42
Proportion below age 20	0.18	0.17	0.15	0.14	0.14	0.14
	2005-2010	2015-2020	2025-2030	2035-2040	2045-2050	2055-2060
Total Fertility Rate	1.32	1.38	1.40	1.40	1.40	1.42
Life expectancy at birth (in years)						
Male	79.24	81.04	83.18	85.25	87.26	89.32
Female	86.05	88.11	90.21	92.19	94.19	96.20
Five-year immigration flow (in '000)	439	431	448	459	459	453
Five-year emigration flow (in '000)	171	109	95	84	73	66

Human Capital indicators, Medium Scenario (SSP2)

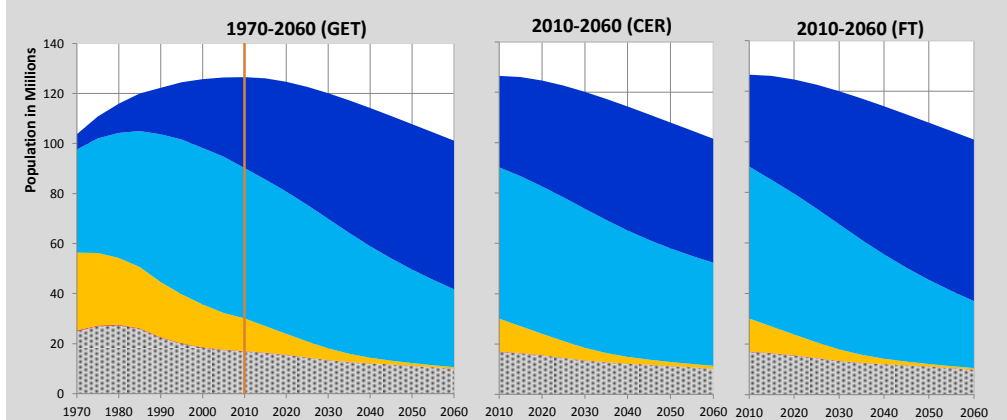|	2010	2020	2030	2040	2050	2060
Population age 25+: highest educational attainment						
E1 - no education	0.00	0.00	0.00	0.00	0.00	0.00
E2 - incomplete primary	0.01	0.01	0.00	0.00	0.00	0.00
E3 - primary	0.11	0.07	0.04	0.02	0.01	0.00
E4 - lower secondary	0.06	0.05	0.04	0.03	0.02	0.02
E5 - upper secondary	0.46	0.44	0.42	0.38	0.33	0.29
E6 - post-secondary	0.35	0.42	0.50	0.57	0.64	0.69
Mean years of schooling (in years)	12.46	13.05	13.59	14.06	14.42	14.69
Gender gap (population age 25+): highest educational attainment (ratio male/female)						
E1 - no education	0.71	0.78	0.85	0.91	0.94	0.95
E2 - incomplete primary	0.34	0.33	0.34	0.45	0.78	1.04
E3 - primary	0.68	0.62	0.58	0.62	0.81	1.05
E4 - lower secondary	1.48	1.39	1.30	1.25	1.28	1.28
E5 - upper secondary	0.94	0.95	0.96	0.97	1.00	1.02
E6 - post-secondary	1.18	1.11	1.06	1.02	0.99	0.98
minus female)	0.51	0.38	0.23	0.09	-0.02	-0.06
Women age 20-39: highest educational attainment						
E1 - no education	0.00	0.00	0.00	0.00	0.00	0.00
E2 - incomplete primary	0.00	0.00	0.00	0.00	0.00	0.00
E3 - primary	0.01	0.00	0.00	0.00	0.00	0.00
E4 - lower secondary	0.03	0.02	0.01	0.01	0.01	0.00
E5 - upper secondary	0.41	0.34	0.29	0.26	0.24	0.23
E6 - post-secondary	0.55	0.64	0.69	0.73	0.75	0.77
Mean years of schooling (in years)	14.03	14.46	14.72	14.89	14.98	15.03

Education scenarios

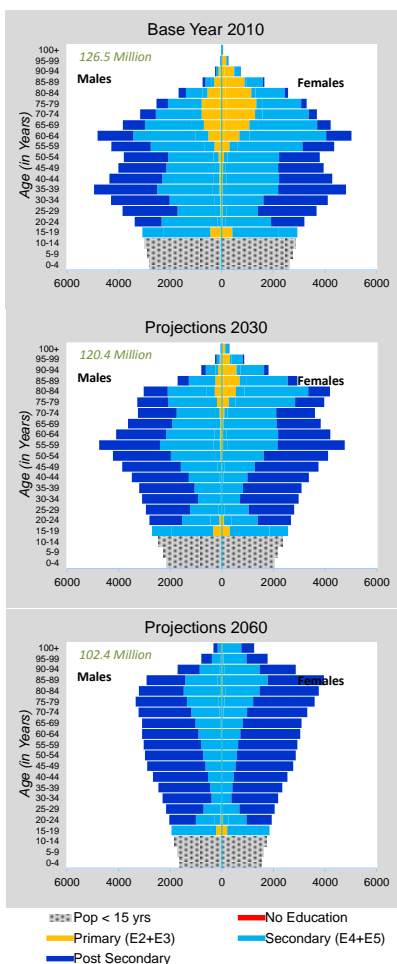*GET : Global Education Trend Scenario (Medium assumption also used for SSP2)*

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

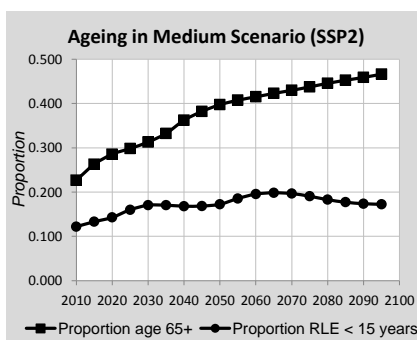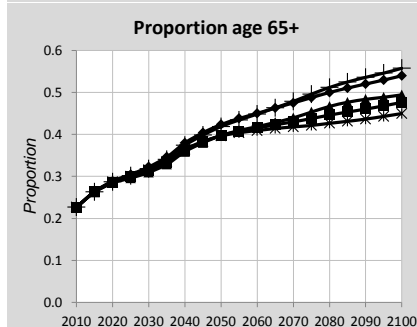*FT: Fast Track Scenario (assumption of education expansion according to fastest historical experience)*

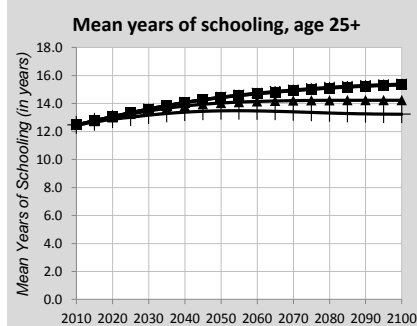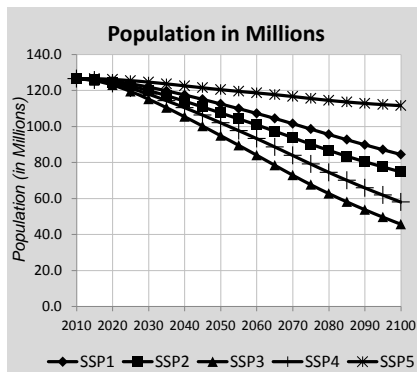**Population size by educational attainment according to three education scenarios: GET, CER, and FT**

Pyramids by education, Medium Scenario

Base Year 2010 — 126.5 Million

Projections 2030 — 120.4 Million

Projections 2060 — 102.4 Million

Legend: Pop < 15 yrs; No Education; Primary (E2+E3); Secondary (E4+E5); Post Secondary

1970-2060 (GET)

2010-2060 (CER)

2010-2060 (FT)

Japan (Continued)

Population in Millions

Mean years of schooling, age 25+

Proportion age 65+

Ageing in Medium Scenario (SSP2)

Alternative scenarios to 2100

Projection results by scenario (SSP 1-5)

	2010	2020	2030	2040	2050	2075	2100
Population (in millions)							
SSP1 - Rapid Development	126.54	125.24	121.85	117.47	112.49	98.52	84.43
SSP2 - Medium	126.54	124.53	119.93	114.02	107.48	90.16	74.74
SSP3 - Stalled Development	126.54	123.00	115.12	105.37	94.85	67.63	45.66
SSP4 - Inequality	126.54	123.86	117.92	110.41	102.00	79.10	57.99
SSP5 - Conventional Dev.	126.54	126.13	124.65	122.57	120.45	115.53	111.56
Proportion age 65+							
SSP1 - Rapid Development	0.23	0.29	0.32	0.38	0.42	0.49	0.54
SSP2 - Medium	0.23	0.29	0.31	0.36	0.40	0.44	0.48
SSP3 - Stalled Development	0.23	0.28	0.31	0.36	0.40	0.45	0.49
SSP4 - Inequality	0.23	0.29	0.32	0.37	0.42	0.50	0.56
SSP5 - Conventional Dev.	0.23	0.29	0.32	0.36	0.40	0.42	0.45
Proportion below age 20							
SSP1 - Rapid Development	0.18	0.17	0.15	0.14	0.13	0.12	0.11
SSP2 - Medium	0.18	0.17	0.15	0.14	0.14	0.13	0.13
SSP3 - Stalled Development	0.18	0.16	0.14	0.12	0.12	0.10	0.10
SSP4 - Inequality	0.18	0.16	0.14	0.12	0.12	0.10	0.09
SSP5 - Conventional Dev.	0.18	0.17	0.17	0.16	0.16	0.16	0.16
Proportion of Women age 20-39 with at least secondary education							
SSP1 - Rapid Development	0.99	1.00	1.00	1.00	1.00	1.00	1.00
SSP2 - Medium	0.99	1.00	1.00	1.00	1.00	1.00	1.00
SSP3 - Stalled Development	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SSP4 - Inequality	0.99	0.99	0.99	0.99	0.99	0.99	0.99
SSP5 - Conventional Dev.	0.99	1.00	1.00	1.00	1.00	1.00	1.00
Mean years of schooling, age 25+							
SSP1 - Rapid Development	12.46	13.06	13.60	14.07	14.43	15.02	15.36
SSP2 - Medium	12.46	13.05	13.59	14.06	14.42	15.01	15.32
SSP3 - Stalled Development	12.46	13.00	13.46	13.81	14.03	14.21	14.23
SSP4 - Inequality	12.46	12.87	13.16	13.37	13.47	13.36	13.23
SSP5 - Conventional Dev.	12.46	13.06	13.60	14.08	14.45	15.06	15.38

Demographic assumptions underlying SSPs

	2010-2015	2020-2025	2030-2035	2040-2045	2050-2055	2075-2080	2095-2100
Total fertility rate							
SSP1 - Rapid Development	1.37	1.38	1.39	1.40	1.41	1.46	1.51
SSP2 - Medium	1.37	1.39	1.40	1.40	1.41	1.47	1.51
SSP3 - Stalled Development	1.31	1.19	1.11	1.08	1.07	1.12	1.15
SSP4 - Inequality	1.31	1.20	1.14	1.11	1.10	1.14	1.18
SSP5 - Conventional Dev.	1.44	1.59	1.69	1.73	1.76	1.83	1.89
Life expectancy at birth for females (in years)							
SSP1 - Rapid Development	88.1	91.1	94.0	96.9	99.8	107.2	113.2
SSP2 - Medium	87.1	89.2	91.2	93.2	95.2	100.2	104.2
SSP3 - Stalled Development	87.1	88.1	89.0	89.9	90.9	93.2	95.1
SSP4 - Inequality	87.6	89.7	91.6	93.5	95.4	100.1	103.9
SSP5 - Conventional Dev.	88.1	91.1	94.0	96.9	99.8	107.2	113.2
Migration – net flow over five years (in thousands)							
SSP1 - Rapid Development	291	337	360	368	363	132	0
SSP2 - Medium	300	342	368	383	386	150	0
SSP3 - Stalled Development	242	170	185	192	192	73	0
SSP4 - Inequality	291	336	356	361	356	134	0
SSP5 - Conventional Dev.	340	501	537	565	578	237	0

Ageing indicators, Medium Scenario (SSP2)

	2010	2020	2030	2040	2050	2075	2095
Median Age	44.67	48.40	52.31	54.90	56.38	59.81	62.09
Propspective Median Age	44.67	46.45	48.56	49.35	48.93	47.70	46.03
Proportion age 65+	0.23	0.29	0.31	0.36	0.40	0.44	0.47
Proportion RLE < 15 years	0.12	0.14	0.17	0.17	0.17	0.19	0.17