

Online Appendix Tables:

Appendix Table 1: Summary of Statistics Canada Short-Term Projection Scenario Assumptions, Canada

Component	Historic (2019)	Projection assumptions (2038)		
		Low growth	Medium growth	High growth
Fertility (period total fertility rate)	1.54	1.4	1.58	1.74
Immigration (rate per thousand)	8.2	6.8	8.6	10.9
Life expectancy at birth, males	81.0	81.9	83.2	84.3
Life expectancy at birth, females	84.2	85.8	88.1	88.2
Non-permanent residents (number)	1,104,522	1,080,910	1,388,313	1,896,577
Emigration (gross migraproduction rate per thousand)	1.2	1.3	1.7	2.3
Return emigration (rate per thousand)	0.8	0.8	1	1.3
Net temporary emigration (rate per thousand)	0.8	0.8	0.8	0.8

Note: The low-growth (LG) and high-growth (HG) scenarios bring together assumptions that are consistent with either lower or higher population growth than in the medium-growth scenarios at the Canada level. For example, assumptions that entail high fertility, low mortality, high immigration, low emigration and high numbers of non-permanent residents are the foundation of the high-growth scenario. More information is available at “Population Projections for Canada (2018 to 2068), Provinces and Territories (2018 to 2043)”

Source: “Population Projections for Canada (2018 to 2068), Provinces and Territories (2018 to 2043)” Statistics Canada

Appendix Table 1A: Period total fertility rate, Provinces, By Assumptions

Region	Historic (2019)	Projected (assumptions) (2038)		
		Low	Medium	High
	number of children per woman			
Newfoundland and Labrador	1.35	1.23	1.38	1.54
Prince Edward Island	1.51	1.37	1.54	1.72
Nova Scotia	1.42	1.29	1.45	1.62
New Brunswick	1.54	1.39	1.57	1.76
Quebec	1.60	1.44	1.63	1.82
Ontario	1.48	1.34	1.51	1.68
Manitoba	1.87	1.69	1.90	2.13
Saskatchewan	1.95	1.77	1.99	2.23
Alberta	1.64	1.49	1.67	1.87
British Columbia	1.32	1.19	1.34	1.50

Source: “Population Projections for Canada (2018 to 2068), Provinces and Territories (2018 to 2043)” Statistics Canada

Appendix Table 1B: Life expectancy at birth, Male, By Provinces, By Assumptions

Region	Historic (2019)	Projected (assumptions) (2038)		
		Low	Medium	High
	In Years			
Newfoundland and Labrador	77.8	81.9	81.4	82.5
Prince Edward Island	80.2	79.5	83.4	84.5
Nova Scotia	78.5	81.4	82.1	83.2
New Brunswick	78.9	80.1	82.5	83.5
Quebec	80.9	80.5	83.8	84.9
Ontario	80.6	81.9	83.7	84.8
Manitoba	78.2	81.8	81.8	82.9
Saskatchewan	78.2	79.9	81.9	83.0
Alberta	79.5	79.9	82.9	84.0
British Columbia	80.5	81	83.9	84.9

Source: “Population Projections for Canada (2018 to 2068), Provinces and Territories (2018 to 2043)” Statistics Canada

Appendix Table 1C: Life expectancy at birth, Female, By Provinces, By Assumptions

Region	Historic (2019)	Projected (assumptions) (2038)		
		Low	Medium	High
	In Years			
Newfoundland and Labrador	82	83.6	85.3	86.6
Prince Edward Island	84.1	85.2	86.9	88.2
Nova Scotia	82.8	84.4	86	87.3
New Brunswick	83.2	84.6	86.2	87.5
Quebec	84.4	85.3	86.9	88.2
Ontario	84.6	85.5	87	88.4
Manitoba	82.4	84	85.6	86.9
Saskatchewan	82.9	84.4	86	87.3
Alberta	84	85.3	87	88.3
British Columbia	84.8	85.8	87.5	88.8

Source: “Population Projections for Canada (2018 to 2068), Provinces and Territories (2018 to 2043)” Statistics Canada

Appendix Table 1D: Average Net Interprovincial Migration Rates Observed, Various Reference Periods, by province

Region	1991/1992 to 2016/2017 period			Average net migration rates for each scenario				
	Average	Average (-)	Average (+)	M1	M2	M3	M4	M5
				1991/1992 to 2016/2017	1995/1996 to 2010/2011	2003/2004 to 2008/2009	2009/2010 to 2016/2017	2014/2015 to 2016/2017
	percent							
N.L.	-0.49	-0.67	-0.27	-0.49	-0.62	-0.29	0.04	-0.07
P.E.I.	-0.10	-0.22	0.01	-0.10	-0.12	-0.36	-0.25	-0.05
N.S.	-0.14	-0.20	-0.09	-0.14	-0.15	-0.24	-0.09	0.04
N.B.	-0.19	-0.24	-0.13	-0.19	-0.18	-0.21	-0.19	-0.15
Que.	-0.13	-0.15	-0.11	-0.13	-0.12	-0.12	-0.12	-0.14
Ont.	-0.03	-0.06	0.00	-0.03	-0.01	-0.12	-0.03	0.03
Man.	-0.39	-0.43	-0.34	-0.39	-0.36	-0.43	-0.38	-0.43
Sask.	-0.30	-0.44	-0.17	-0.30	-0.27	-0.09	-0.12	-0.43
Alta.	0.53	0.36	0.70	0.53	0.72	0.76	0.31	-0.07
B.C.	0.24	0.08	0.37	0.24	0.05	0.26	0.22	0.46

Appendix Table 1E: Distribution of Total Immigrants by Province, Per cent

Region	2019			2038		
	Historic	Proportion of Population Relative to Canada	Immigration Distribution Relative to Population (Base = 100)	Projected	Proportion of Population Relative to Canada	Immigration Distribution Relative to Population (Base = 100)
	(1)	(2)	(3) = (1)/(2)*100	(3)	(4)	(5) = (3)/(4)*100
Newfoundland and Labrador	0.35	1.39	25.14	0.31	1.06	29.11
Prince Edward Island	0.57	0.42	136.15	0.54	0.43	126.78
Nova Scotia	1.52	2.58	58.91	1.27	2.23	56.89
New Brunswick	1.22	2.07	59.03	1.05	1.78	58.85
Quebec	14.73	22.61	65.13	16.77	20.69	81.04
Ontario	45.04	38.68	116.44	41.89	39.32	106.53
Manitoba	4.21	3.64	115.55	4.78	3.70	129.03
Saskatchewan	4.73	3.12	151.69	4.4	3.39	129.92
Alberta	13.39	11.60	115.41	14.67	13.66	107.43
British Columbia	14.02	13.55	103.47	14.12	13.41	105.32

Source: "Population Projections for Canada (2018 to 2068), Provinces and Territories (2018 to 2043)" Statistics Canada, Statistics Canada Table: 17-10-0005-01

Appendix Table 2: Working Age Population (compound annual per cent growth rates)

	00-17	17-19	00-19	(00-19) – (00-17)	2017-2038 (2018 Projection)	2019-2038 Projection	2019-2050 Projection	(19-38) – (17-38)
	1	2	3	4 = 3-1	5	6	7	8
Canada	1.25	1.55	1.28	0.03	0.86	1.02	0.89	0.16
NFLD	0.25	-0.21	0.20	-0.05	-0.52	-0.36		0.16
PEI	0.88	2.47	1.05	0.17	0.85	1.26		-0.28
NS	0.38	1.14	0.46	0.08	-0.01	0.26		0.27
NB	0.34	0.75	0.38	0.04	0.02	0.25		0.23
Quebec	0.89	1.14	0.91	0.03	0.58	0.57		-0.01
ON	1.37	1.90	1.43	0.06	0.82	1.09		0.27
MAN	1.00	1.28	1.03	0.03	1.03	1.08		0.05
SAS	0.90	0.85	0.89	-0.01	0.72	1.41		0.69
ALB	2.22	1.54	2.15	-0.07	1.77	1.92		0.15
BC	1.43	1.85	1.48	0.04	1.02	1.01		-0.01

Note: Projections for Provinces are from 2019-2043

Source: Column 1-3: Statistics Canada. Table 14-10-0327-01

Column 5: CSLS report, Sharpe and Iglesias (2018)

Projections Column 6-7: Table 17-10-0057-01

Appendix Table 2A: Working Age Population (15-24) (compound annual per cent growth rates)

	00-17	17-19	00-19	(00-19) – (00- 17)	2019-2038 Projection	2019-2050 Projection
	1	2	3	4 = 3-1	5	6
Canada	0.45	1.09	0.51	0.07	0.78	0.65
NFLD	-1.84	-0.71	-1.72	0.12	-1.09	
PEI	-0.19	4.52	0.30	0.49	0.98	
NS	-0.63	0.69	-0.49	0.14	-0.05	
NB	-1.20	0.18	-1.06	0.14	0.00	
Quebec	-0.31	-0.36	-0.31	-0.01	0.57	
ON	0.98	1.82	1.07	0.09	0.62	
MAN	0.70	0.86	0.71	0.02	1.05	
SAS	-0.29	0.30	-0.23	0.06	1.61	
ALB	0.93	0.83	0.92	-0.01	1.74	
BC	0.61	1.84	0.74	0.13	0.76	

Note: Projections for Provinces are from 2019-2043

Source: Column 1-3: Statistics Canada. Table 14-10-0327-01

Column 4: Calculated using Columns 3 and 1

Projections Column 5-6: Table 17-10-0057-01

Appendix Table 2B: Working Age Population (25-54) (compound annual per cent growth rates)

	00-17	17-19	00-19	(00-19) – (00-17)	2019-2038 Projection	2019-2050 Projection
	1	2	3	4 = 3-1	5	6
Canada	0.37	0.72	0.40	0.04	0.72	0.61
NFLD	-0.99	-2.24	-1.12	-0.13	-1.22	
PEI	-0.26	1.60	-0.06	0.19	0.86	
NS	-0.91	0.13	-0.80	0.11	-0.11	
NB	-0.98	-0.62	-0.94	0.04	-0.30	
Quebec	-0.12	0.45	-0.06	0.06	0.17	
ON	0.43	1.07	0.50	0.07	0.82	
MAN	0.36	0.77	0.40	0.04	0.89	
SAS	0.59	0.13	0.54	-0.05	1.29	
ALB	1.75	0.55	1.62	-0.13	1.59	
BC	0.48	1.01	0.54	0.06	0.64	

Note: Projections for Provinces are from 2019-2043

Source: Column 1-3: Statistics Canada. Table 14-10-0327-01

Column 4: Calculated using Columns 3 and 1

Projections Column 5-6: Table 17-10-0057-01

Appendix Table 2C: Working Age Population (55+) (compound annual per cent growth rates)

	00-17	17-19	00-19	(00-19) – (00-17)	2019-2038 Projection	2019-2050 Projection
	1	2	3	4 = 3-1	5	6
Canada	3.20	2.85	3.16	-0.04	1.46	1.30
NFLD	3.19	2.13	3.08	-0.11	0.56	
PEI	3.11	2.68	3.06	-0.05	1.57	
NS	2.72	2.36	2.68	-0.04	0.70	
NB	2.99	2.37	2.92	-0.07	0.80	
Quebec	3.07	2.50	3.01	-0.06	1.00	
ON	3.22	3.05	3.20	-0.02	1.58	
MAN	2.26	2.19	2.25	-0.01	1.35	
SAS	2.02	2.10	2.03	0.01	1.48	
ALB	4.12	3.66	4.07	-0.05	2.52	
BC	3.44	2.93	3.38	-0.05	1.51	

Note: Projections for Provinces are from 2019-2043

Source: Column 1-3: Statistics Canada. Table 14-10-0327-01

Column 4: Calculated using Columns 3 and 1

Projections Column 5-6: Table 17-10-0057-01

Appendix Table 3: Shares of the Working Age Population by Age Group, Canada, Per Cent

	1976 Level	1997 Level	2019 Level	CAGR 00-19	2038 Level	2050 Level	CAGR (2019- 2038)
	1	2	3	4	5	6	7
15-24	26.7	17.0	14.6	-0.76	13.8	13.4	-0.28
25-54	51.1	57.5	48.5	-0.87	45.2	43.9	-0.33
55+	22.2	25.5	36.8	1.85	41.0	42.7	0.50

Source: Column 1: Statistics Canada. Table 14-10-0327-01 and CSLS Calculations
 Column 2-4: CSLS Calculations

Appendix Table 4: Shares of the Working Age Population by Age Group, Provinces, Per Cent

		2019	2038	2050
		1	2	3
	15-24	14.5	13.9	13.4
Canada	25-54	47.8	45.2	43.9
	55+	37.7	40.9	42.7
	15-24	12.2	10.6	-
NFLD	25-54	44.1	37.4	-
	55+	43.7	52.0	-
	15-24	15.0	16.1	-
PEI	25-54	40.0	36.4	-
	55+	45.0	47.5	-
	15-24	13.4	12.6	-
NS	25-54	43.6	40.6	-
	55+	43.0	46.7	-
	15-24	12.6	12.0	-
NB	25-54	43.6	39.3	-
	55+	43.8	48.7	-
	15-24	12.9	12.9	-
QC	25-54	46.5	43.1	-
	55+	40.5	43.9	-
	15-24	15.4	14.1	-
ON	25-54	47.7	45.4	-
	55+	37.0	40.5	-
	15-24	16.6	16.5	-
MB	25-54	48.5	46.9	-
	55+	34.9	36.7	-
	15-24	15.4	15.9	-
SK	25-54	49.1	48.0	-
	55+	35.6	36.1	-
	15-24	15.0	14.5	-
AB	25-54	53.4	50.2	-
	55+	31.6	35.3	-
	15-24	14.1	13.4	-
BC	25-54	47.2	44.0	-
	55+	38.8	42.6	-

Source: Statistics Canada Table 17-10-0057-01, CSLS Calculations

Appendix Table 5: Labour Force Participation Rate (compound annual per cent growth rates)

	00-17	17-19	00-19	(00-19) – (00-17)	2017-2038 2018 Projection	2019-2038 Projection	2019-2050 Projection	(19-38) –(17-38)
	1	2	3	4 = 3 - 1	5	6	8	
Canada	-0.02	0.00	-0.02	0.00	-0.07	-0.07	0.11	0.00
NFLD	0.33	-0.51	0.24	-0.09	-0.36	-0.15	-	0.21
PEI	-0.09	0.61	-0.02	0.07	-0.09	0.06	-	0.15
NS	0.02	0.33	0.05	0.03	-0.17	-0.17	-	0.00
NB	-0.03	-0.16	-0.04	-0.01	-0.18	-0.20	-	-0.02
Quebec	0.15	0.15	0.15	0.00	-0.09	-0.13	-	-0.04
ON	-0.21	0.15	-0.17	0.04	-0.08	-0.05	-	0.03
MAN	-0.09	-0.22	-0.10	-0.01	-0.01	0.05	-	0.06
SAS	0.16	-0.07	0.13	-0.02	-0.03	0.16	-	0.19
ALB	-0.02	-0.77	-0.10	-0.08	-0.04	0.00	-	0.04
BC	0.10	0.08	0.10	0.00	-0.06	-0.06	-	0.00

Note: Projections for Provinces are from 2019-2043

Source columns 1-3: Statistics Canada. Table 14-10-0327-01

Column 5: CSLs report, Sharpe and Iglesias (2018)

Column 6: Based on CSLs calculation

Appendix Table 5A: LFPR (15-24) (compound annual per cent growth rates)

	00-17	17-19	00-19	(00-19)- (00-17)	2017- 2038	2019- 2038	(19- 38)- (17-38)
	1	2	3	4 = 3 - 1	5	6	7 = 6 - 5
Canada	0.01	0.31	0.04	0.03	0.04	0.04	0.00
NFLD	1.57	-1.30	1.26	-0.31	0.04	0.04	0.00
PEI	0.01	1.52	0.17	0.16	0.04	0.04	0.00
NS	0.18	4.43	0.62	0.44	0.04	0.04	0.00
NB	0.13	3.05	0.44	0.30	0.04	0.04	0.00
Quebec	0.60	1.83	0.72	0.13	0.04	0.04	0.00
ON	-0.45	0.24	-0.38	0.07	0.04	0.04	0.00
MAN	-0.39	-0.30	-0.38	0.01	0.04	0.04	0.00
SAS	-0.01	-0.38	-0.05	-0.04	0.04	0.04	0.00
ALB	-0.32	-1.66	-0.46	-0.14	0.04	0.04	0.00
BC	0.53	-0.82	0.39	-0.14	0.04	0.04	0.00

Source columns 1-3: Statistics Canada. Table 14-10-0327-01

Column 5: CSLs report, Sharpe and Iglesias (2018)

Column 6: Based on CSLs calculation

Appendix Table 5B: LFPR (25-54) (compound annual per cent growth rates)

	00-17	17-19	00-19	(00-19)- (00-17)	2017-2038 (2018 Projection)	2019- 2038	(19-38)- (17-38)
	1	2	3	4 = 3 - 1	5	6	7 = 6 - 5
Canada	0.14	0.29	0.15	0.02	0.00	0.00	0.00
NFLD	0.58	0.00	0.52	-0.06	0.00	0.00	0.00
PEI	0.05	0.11	0.05	0.01	0.00	0.00	0.00
NS	0.29	0.47	0.31	0.02	0.00	0.00	0.00
NB	0.32	0.29	0.32	0.00	0.00	0.00	0.00
Quebec	0.38	0.11	0.35	-0.03	0.00	0.00	0.00
ON	-0.03	0.41	0.02	0.05	0.00	0.00	0.00
MAN	-0.05	-0.17	-0.06	-0.01	0.00	0.00	0.00
SAS	0.03	0.34	0.06	0.03	0.00	0.00	0.00
ALB	0.03	0.17	0.04	0.02	0.00	0.00	0.00
BC	0.22	0.57	0.26	0.04	0.00	0.00	0.00

Source columns 1-3: Statistics Canada. Table 14-10-0327-01

Column 5: CSLS report, Sharpe and Iglesias (2018)

Column 6: Based on CSLS calculation

Appendix Table 5C :LFPR (55+) (compound annual per cent growth rates)

	00-17	17-19	00-19	(00-19)- (00-17)	2017-2038 (2018 Projection)	2019- 2038 Revised	2019- 2050 Revised	(19-38)- (17-38)
	1	2	3	4 = 3 - 1	5	6	7 = 6 - 5	
Canada	2.29	0.40	2.09	-0.20	0.45	0.25	0.86	-0.20
NFLD	3.52	2.10	3.37	-0.15	0.45	0.36	-	-0.09
PEI	2.80	1.61	2.68	-0.13	0.45	0.50	-	0.05
NS	3.14	-0.87	2.71	-0.43	0.45	-0.06	-	-0.51
NB	3.04	-0.72	2.64	-0.40	0.45	0.01	-	-0.44
Quebec	2.57	0.73	2.38	-0.20	0.45	0.05	-	-0.40
ON	2.09	0.53	1.92	-0.17	0.45	0.24	-	-0.21
MAN	2.08	0.52	1.91	-0.17	0.45	0.49	-	0.04
SAS	1.99	0.12	1.79	-0.20	0.45	0.77	-	0.32
ALB	2.00	-1.43	1.63	-0.37	0.45	0.46	-	0.01
BC	2.14	0.65	1.98	-0.16	0.45	0.29	-	-0.16

Source columns 1-3: Statistics Canada. Table 14-10-0327-01

Column 5: CSLS report, Sharpe and Iglesias (2018)

Column 6: Based on CSLS calculation

Appendix Table 5D: LFPR (55-59) (per cent)

	2019 Level	CAGR 2013- 2019	2038 Level	2050 Level	CAGR (2019- 2038)
	1	2	3	4	5
Canada	75.4	0.54	83.5	89.1	0.54
NFLD	69.3	0.82	76.8		0.54
PEI	77.3	-0.61	85.6		0.54
NS	70.8	-0.02	78.4		0.54
NB	72.5	0.73	80.3		0.54
Quebec	75.3	0.73	83.4		0.54
ON	74.8	0.52	82.9		0.54
MAN	77.5	0.13	85.9		0.54
SAS	78.7	-0.04	87.2		0.54
ALB	77.7	-0.04	86.1		0.54
BC	76.2	1.00	84.4		0.54

Source columns 1: Statistics Canada. Table 14-10-0327-01

Column 2-4: Based on CSLS calculation

Appendix Table 5E: LFPR (60-64) (per cent)

	2019 Level	CAGR 2013- 2019	2038 Level	2050 Level	CAGR (2019- 2038)
	1	2	3	4	5
Canada	56.1	1.14	69.6	79.8	1.14
NFLD	47.7	0.28	59.2	-	1.14
PEI	64	0.00	79.4	-	1.14
NS	51.4	0.43	63.8	-	1.14
NB	53.3	1.31	66.2	-	1.14
Quebec	51.5	2.12	63.9	-	1.14
ON	57.4	1.15	71.2	-	1.14
MAN	56.7	0.12	70.4	-	1.14
SAS	60.8	-0.46	75.5	-	1.14
ALB	62.5	-0.75	77.6	-	1.14
BC	57.4	1.86	71.2	-	1.14

Source: Columns 1: Statistics Canada. Table 14-10-0327-01

Column 2-5: Based on CSLS calculation

Appendix Table 5F: LFPR (65-69) (per cent)

	2019 Level	CAGR 2013- 2019	2038 Level	2050 Level	CAGR (2019- 2038)
	1	2	3	4	5
Canada	28.2	2.10	41.8	53.6	2.10
NFLD	21.3	1.92	31.6	-	2.10
PEI	33.3	-1.52	49.4	-	2.10
NS	23.9	2.67	35.4	-	2.10
NB	21.6	0.63	32.0	-	2.10
Quebec	23.4	4.18	34.7	-	2.10
ON	28.7	1.15	42.6	-	2.10
MAN	29.2	-0.17	43.3	-	2.10
SAS	36.4	-0.09	54.0	-	2.10
ALB	36.3	0.75	53.8	-	2.10
BC	30.5	3.79	45.2	-	2.10

Source columns 1: Statistics Canada. Table 14-10-0327-01

Column 2-5: Based on CSLS calculation

Appendix Table 5G: LFPR (70+) (per cent)

	2019 Level	CAGR 2010- 2019	2038 Level	2050 Level	CAGR (2019- 2038)
	1	2	3	4	5
Canada	8	3.79	16.2	25.3	3.79
NFLD	5.3	7.68	10.7	-	3.79
PEI	10.2	2.69	20.7	-	3.79
NS	6.7	1.30	13.6	-	3.79
NB	7.2	4.91	14.6	-	3.79
Quebec	6.1	3.72	12.4	-	3.79
ON	8.3	3.89	16.8	-	3.79
MAN	8.7	1.20	17.6	-	3.79
SAS	12.1	3.40	24.5	-	3.79
ALB	10.5	0.32	21.3	-	3.79
BC	8.6	6.79	17.4	-	3.79

Source columns 1: Statistics Canada. Table 14-10-0327-01

Column 2-5: Based on CSLS calculation

Appendix Table 6: Total Hours Worked All jobs (LFS Average Hours Based), (Compound Annual Per Cent Growth Rates)

	00-17	17-19	00-19	(00-19)- (00-17)	2017-2038 2018 Projection	2019-2038 Projection	2019-2050 Projection
	1	2	3	4 = 3 - 1	5	6	8
Canada	0.93	1.43	0.98	0.05	0.59	0.79	0.85
NFLD	0.52	0.56	0.52	0.00	-1.08	-0.60	-
PEI	0.60	4.01	0.96	0.35	0.55	1.05	-
NS	0.08	2.47	0.33	0.25	-0.39	-0.05	-
NB	0.19	-0.23	0.15	-0.04	-0.37	-0.08	-
Quebec	0.76	1.71	0.86	0.10	0.28	0.28	-
ON	0.79	1.80	0.90	0.11	0.55	0.91	-
MAN	0.62	0.30	0.58	-0.03	0.81	1.05	-
SAS	0.64	0.65	0.64	0.00	0.47	1.53	-
ALB	1.67	0.35	1.53	-0.14	1.50	1.84	-
BC	1.42	1.42	1.42	0.00	0.76	0.79	-

Note: Projections for Provinces are from 2019-2043

Source columns 1-3: Statistics Canada. Table 14-10-0327-01

Column 5: CSLS report, Sharpe and Iglesias (2018)

Column 6, 7, and 8: CSLS calculation based on Statistics Canada data

Appendix Table 7: Hours Worked by Age Group (LFS), Canada (Compound Annual Per Cent Growth Rates)

Canada (National Averages)	1976- 2017	1976- 2019	(1976- 2019) - (1976- 2017)	00- 17	17-19	00-19	(00-19) - (00-17)	(2010 - 2019)	2017-2038 2018 Projection	(19-38) Projection	(19-38) - (17-38)
15-24	-0.50	-0.50	0.01	-0.43	-0.39	-0.42	0.01	-0.01	-0.50	-0.01	0.49
25-54	-0.12	-0.13	-0.01	-0.28	-0.53	-0.31	-0.03	-0.15	-0.12	-0.15	-0.03
55+	-0.22	-0.22	0.00	-0.36	-0.22	-0.35	0.01	-0.17	-0.22	-0.17	0.05
Total (all ages)	-0.16	-0.17	-0.01	-0.34	-0.45	-0.35	-0.01	-0.15	-0.16	-0.15	0.01

Source: Statistics Canada. Table 14-10-0327-01, CSLS Calculations

Appendix Table 8: Average Hours Worked (LFS), Canada and Provinces (Compound Annual Per Cent Growth Rates)

	00-17	17-19	00-19	(00-19) - (00-17)	(2010- 2019)	2017-2038 2018 Projection (1976-2017 national level)	2019-2038 Revised (2010-2019 national level)	(19-38)- (17-38)
	1	2	3	4 = 3 - 1	5	6	7	8 = 7 - 6
Canada	-0.33	-0.47	-0.35	-0.02	-0.15	-0.16	-0.15	-0.01
NFLD	-0.12	-0.31	-0.18	-0.06	-0.01	-0.16	-0.15	-0.01
PEI	-0.37	0.27	-0.27	0.10	0.34	-0.16	-0.15	-0.01
NS	-0.29	0.36	-0.27	0.02	-0.18	-0.16	-0.15	-0.01
NB	-0.28	-0.89	-0.30	-0.02	-0.17	-0.16	-0.15	-0.01
Quebec	-0.39	-0.07	-0.38	0.01	-0.13	-0.16	-0.15	-0.01
ON	-0.31	-0.46	-0.36	-0.05	-0.10	-0.16	-0.15	-0.01
MAN	-0.33	-0.75	-0.32	0.01	-0.08	-0.16	-0.15	-0.01
SAS	-0.39	-0.53	-0.35	0.04	-0.20	-0.16	-0.15	-0.01
ALB	-0.44	-0.95	-0.40	0.04	-0.37	-0.16	-0.15	-0.01
BC	-0.21	-0.73	-0.29	-0.08	-0.15	-0.16	-0.15	-0.01

Note: Projections for Provinces are from 2019-2043

Source: Columns 1-3, 5: Statistics Canada. Table: 14-10-0033-01)

Column 4: Calculated using column 1 and 3

Column 6: CSLS report, Sharpe and Iglesias (2018)

Column 7: Based on CSLS calculation

Column 8: Calculated using column 6 and 7

Appendix Table 9: Total Hours Worked (CPA based) All Jobs, Canada and Provinces (Compound Annual Per Cent Growth Rates)

	00-17	17-19	00-19	(00-19)- (00-17)	(2010- 2019)
	1	2	3	4 = 3 - 1	5
Canada	1.03	1.52	1.05	0.02	1.14
NFLD	0.63	0.36	0.49	-0.14	0.13
PEI	0.67	3.18	0.82	0.15	1.62
NS	0.20	2.24	0.30	0.10	0.03
NB	0.22	0.14	0.09	-0.13	-0.25
Quebec	0.92	1.42	0.91	-0.01	0.99
ON	0.89	2.09	1.04	0.15	1.37
MAN	0.69	0.43	0.60	-0.09	0.66
SAS	0.79	1.17	0.77	-0.02	0.80
ALB	1.93	0.62	1.77	-0.16	1.14
BC	1.29	1.40	1.25	-0.04	1.45

Source: Column 1: CSLS report, Sharpe and Iglesias (2018)

Columns 2, 3 and 5: Statistics Canada. Table: 36-10-0480-01

Columns 4: Based on Columns 3 and 1

Appendix Table 10: Average Hours Worked Total Economy (CPA) (Compound Annual Per Cent Growth Rates)

	00-17	17-19	00-19	(00-19)- (00-17)	(10-19)	2017-2038 (1997-2017 national level)	2019-2038 (2010-2019 national level)	(19-38)- (17-38)
	1	2	3	4 = 3 - 1	5	6	7	8 = 7 - 6
Canada	-0.27	-0.38	-0.28	-0.01	-0.16	-0.25	-0.15	0.10
NFLD	-0.17	-0.50	-0.21	-0.04	-0.14	-0.25	-0.15	0.10
PEI	-0.30	-0.54	-0.40	-0.1	0.09	-0.25	-0.15	0.10
NS	-0.25	0.14	-0.30	-0.05	-0.23	-0.25	-0.15	0.10
NB	-0.23	-0.53	-0.36	-0.13	-0.20	-0.25	-0.15	0.10
Quebec	-0.38	-0.36	-0.33	0.05	-0.15	-0.25	-0.15	0.10
ON	-0.29	-0.18	-0.22	0.07	-0.11	-0.25	-0.15	0.10
MAN	-0.27	-0.62	-0.31	-0.04	-0.19	-0.25	-0.15	0.10
SAS	-0.20	-0.01	-0.23	-0.03	-0.17	-0.25	-0.15	0.10
ALB	-0.24	-0.68	-0.16	0.08	-0.37	-0.25	-0.15	0.10
BC	-0.13	-0.76	-0.45	-0.32	-0.09	-0.25	-0.15	0.10

Note: Projections for Provinces are from 2019-2043

Source: Columns 1-3: Statistics Canada. 1

Column 4: Based on Columns 3 and 1

Column 6: CSLS report, Sharpe and Iglesias (2018)

Column 7: Based on CSLS calculation

Appendix Table 11: Labour Productivity (CPA Hours Based), (Compound Annual Per Cent Growth Rates)

	00-17 (2018 Report)	17-19	00-19	(00-19)- (00-17)	2017-2038 (2018 Projection)	2019-2038 Projection	(19-38) - (17-38)
	1	2	3	4 = 3 - 1	5	6	7 = 6 - 5
Canada	0.97	0.62	0.92	-0.05	0.97	0.92	-0.05
NFLD	1.63	-0.18	1.52	-0.11	1.63	1.52	-0.11
PEI	1.07	0.57	1.18	0.11	1.07	1.18	0.11
NS	1.04	-0.13	1.06	0.02	1.04	1.06	0.02
NB	1.01	0.70	1.03	0.01	1.01	1.03	0.02
Quebec	0.72	1.37	0.83	0.11	0.72	0.83	0.11
ON	0.91	0.32	0.77	-0.14	0.91	0.77	-0.14
MAN	1.55	0.60	1.49	-0.06	1.55	1.49	-0.06
SAS	1.18	-0.91	1.04	-0.14	1.18	1.04	-0.14
ALB	0.71	0.41	0.68	-0.03	0.71	0.68	-0.03
BC	1.43	1.28	1.35	-0.08	1.43	1.35	-0.08

Note: Projections for Provinces are from 2019-2043

Source columns 2-4: Statistics Canada Table: 36-10-0480-01

Column 1 & 7: CSLS report, Sharpe and Iglesias (2018)

Column 8: CSLS calculations based on Statistics Canada data

Column 9: Calculated using columns 7 and 8

Appendix Table 12: Real GDP (Compound Annual Per Cent Growth Rates)

	00-17	17-19	00-19	(00-19)- (00-17)	2017-2038 2018 Projection	2019-2038 Projection	2019-2050 Projection	(19-38) - (17-38)
	1	2	3	4 = 3 - 1	5	6	7	8
Canada	2.01	2.15	1.98	-0.03	1.56	1.71	1.79	0.15
NFLD	2.27	0.18	2.01	-0.26	0.54	0.91	-	0.37
PEI	1.75	3.77	2.01	0.26	1.63	2.23	-	0.60
NS	1.24	2.11	1.36	0.12	0.65	1.01	-	0.36
NB	1.23	0.84	1.12	-0.11	0.64	0.94	-	0.30
Quebec	1.65	2.81	1.75	0.10	1.00	1.12	-	0.12
ON	1.81	2.41	1.82	0.01	1.46	1.68	-	0.24
MAN	2.25	1.04	2.10	-0.15	2.37	2.56	-	0.19
SAS	1.98	0.25	1.82	-0.16	1.66	2.59	-	0.93
ALB	2.66	1.03	2.46	-0.20	2.23	2.54	-	0.31
BC	2.74	2.69	2.62	-0.12	2.20	2.15	-	-0.05

Note: Projections for Provinces are from 2019-2043

Sources: Column 1 & 5: CCLS report, Sharpe and Iglesias (2018)

Columns 2-3: Statistics Canada. Table: 36-10-0222-01

Column 4: Based on Column 1 and 3

Column 6-7: CCLS calculation based on Statistics Canada.

Column 8: Calculated using Column 6 and 5 for provinces, and Column 7 and 5 for Canada.

Appendix Table 13: GDP Deflator (Compound Annual Per Cent Growth Rates)

	00-17	17-19	00-19	(00-19)- (00-17)
	1	2	3	4 = 3 - 1
Canada	1.94	1.71	1.93	0.01
NFLD	2.92	2.25	2.86	-0.06
PEI	2.27	1.44	2.23	-0.04
NS	1.85	1.56	1.82	-0.03
NB	2.03	2.45	2.09	-0.06
Quebec	1.86	1.99	1.91	0.05
ON	1.79	1.52	1.78	-0.01
MAN	1.99	0.71	1.87	-0.12
SAS	3.08	1.39	2.88	-0.10
ALB	2.30	2.01	2.20	-0.10
BC	1.67	1.89	1.74	0.07

Sources: Column 1: CCLS report, Sharpe and Iglesias (2018)

Columns 2 - 3: Statistics Canada. Table: 36-10-0222-01

Column 4: Based on Columns 1 and 3

Appendix Table 14: Nominal GDP, (Compound Annual Per Cent Growth Rates)

	00-17	17-19	00-19	(00-19)- (00-17)	2017-2038 2018 Projection	2019-2038 Projections	2019-2050 Projections
	1	2	3	4	5	6	7
Canada	3.99	3.90	3.95	-0.04	3.53	3.68	3.75
NFLD	2.25	2.43	4.93	2.68	3.47	3.79	-
PEI	4.06	5.26	4.28	0.22	3.94	4.51	-
NS	3.11	3.71	3.21	0.1	2.51	2.85	-
NB	3.29	3.31	3.23	-0.06	2.68	3.05	-
Quebec	3.54	4.86	3.70	0.16	2.88	3.05	-
ON	3.64	3.97	3.63	-0.01	3.28	3.49	-
MAN	4.28	1.76	4.01	-0.27	4.41	4.48	-
SAS	5.12	1.64	4.75	-0.37	4.79	5.55	-
ALB	5.02	3.06	4.71	-0.31	4.58	4.79	-
BC	4.46	4.64	4.40	-0.06	3.90	3.92	-
					Constant two per cent inflation		
Canada					3.59	3.75	3.92
NFLD					2.56	2.92	-
PEI					3.63	4.28	-
NS					2.71	3.03	-
NB					2.78	2.96	-
Quebec					3.22	3.14	-
ON					3.44	3.71	-
MAN					4.38	4.61	-
SAS					3.90	4.65	-
ALB					4.35	4.59	-
BC					4.18	4.19	-

Sources: Columns 1 - 3: Statistics Canada Table: 36-10-0222-01

Column 5: CSLS report, Sharpe and Iglesias (2018)

Column 6: Based on CSLS calculation