

#### Appendix 4 (as submitted by the authors): Supplementary Tables 2–5

**Supplementary Table 2** - Projected age-standardized incidence rates (ASIR)\* for selected cancers, by sex and province (excluding Quebec), 2020

	BC	AB	SK	MB	ON	QC†	NB	NS	PE	NL
<b>Males</b>										
All cancers‡	489.9	543.8	532.9	528	587.4		552.7	590.6	551.4	587.3
Prostate	102.4	138.1	116.2	105.7	120.2		97.8	97.2	88.2	110.1
Colorectal	72.3	70.8	91.1	77.2	65.1		78.3	91.9	87.4	114.5
Lung and bronchus	53.2	58.9	66.7	69.2	66.4		85.2	84.8	89.1	77.1
Bladder	39.3	41	39.7	32.9	44.2		44.8	44.1	36.6	39.8
Non-Hodgkin lymphoma	22.3	25.6	24.1	25.4	33.7		26.7	32	24.2	29.4
Melanoma	22.2	19.3	15.4	21.5	28.7		22.2	33.3	36.4	21.1
Kidney and renal pelvis	20	22.1	24.8	24.9	23.5		29.5	31.2	21.4	35.1
Leukemia	18.6	21.6	21.2	18.9	22.6		25.4	17.9	10.2	15.2
Oral	17.2	16.8	14.5	18.4	19.7		14.5	18.9	28.5	18.5
Pancreas	14	14.4	16.4	14.9	14.1		16.5	15.1	15	10.1
Stomach	9.9	9.8	13.2	14.4	15.3		12.1	9.9	9.6	17.3
Thyroid	6	8.7	6.6	8.6	15.6		8.8	11.7	3.2	12.5
Liver	12.6	8.7	9	9	11.3		6.2	8.8	9.5	7.9
Multiple myeloma	7.4	9.5	9.2	8.3	11.2		8.2	8.2	10.4	5.6
Esophagus	9.1	11.7	7.3	7.7	8.8		8.8	14.2	8.9	8.9
Brain/CNS	8.3	7.9	8.3	8	8.3		8.3	9	6.4	8.6
Testis	6.8	6.6	5.7	6.4	6.6		6.1	5.5	4.6	2.8
Larynx	3.2	3.7	4.1	3.4	4.4		5	4.9	3.8	5.9
Hodgkin lymphoma	2.7	3	3.1	2.8	3		3.2	2.7	—	1.6
Breast	1	0.9	1.1	0.9	1.3		1.4	1.4	—	1.1
<b>Females</b>										
All cancers‡	436.3	461.5	453	473.8	522		472	513.2	443.5	522.3
Breast	121.6	127.6	123	121.7	132.1		115.9	128.7	121	128.9
Lung and bronchus	52.7	57.4	62.8	62.1	59.6		70.9	75.7	66.1	61.7

Colorectal	51.2	51	57.5	46.8	48.3		49.2	62.7	60.6	76.1
Uterus (Body,NOS)	31.6	34.8	31.6	44.4	36.4		30.9	32.3	28.6	32.5
Thyroid	14.6	22.7	15.1	22.3	46.1		23.6	24	8	34.5
Non-Hodgkin lymphoma	17.2	17.9	18	17.8	22.5		20.1	18	14.6	21
Melanoma	18.8	16.3	14.4	15.7	20.3		20.4	29.1	25.5	17
Ovary	15	10.9	14.5	12.3	15.4		10	11.7	10.9	14.4
Leukemia	11.7	13.3	12.9	10.5	13.1		17.1	10.6	10.1	6.4
Pancreas	11.3	12.4	11.7	13.6	11.6		12.5	12	7.9	11.5
Kidney and renal pelvis	7.6	10.7	13.7	12	11.9		14.7	18.8	9.6	18.7
Bladder	9.2	9.9	10.8	10.2	11.3		11.2	11.9	9.5	13
Oral	6.5	6.5	5.9	8.1	8.3		6.5	6.6	6.4	5.3
Multiple myeloma	5.2	5.1	5.3	5.2	6.9		6	4.9	6.1	5.5
Stomach	4.4	4.9	4.3	5	7.5		5	3.8	3.5	8.4
Cervix	7.4	7.3	7.8	6.8	7.1		4.5	5.7	8	10.8
Brain/CNS	5.5	5.8	6.4	6.3	6		7	5.8	2.7	6.9
Liver	3.4	3.4	2.1	2.9	3.7		1.1	1.6	—	2.2
Esophagus	2.8	2.2	2.2	2.2	2.4		2	2.7	—	1.9
Hodgkin lymphoma	2.1	1.9	2.5	2.3	2.5		1.8	1.9	—	2.1
Larynx	0.5	0.6	0.7	0.7	0.7		0.5	1.4	—	1.2
<b>Both sexes</b>										
All cancers‡	460.2	498.4	488.1	495.2	548.6		507.4	546.4	491.9	551.1
Breast	63.1	64.9	62.5	63.1	69.7		60.7	68.5	64.8	67.8
Lung and bronchus	52.7	57.8	64.4	64.9	62.2		77	79.3	76.5	68.4
Colorectal	61.3	60.4	73.5	61.2	56.1		63.1	76.2	72.8	94
Bladder	23.2	24.2	24.3	20.5	26.2		26.7	26.4	21.7	25.2
Non-Hodgkin lymphoma	19.6	21.5	20.9	21.4	27.6		23.1	24.3	19.1	25.1
Melanoma	20.3	17.5	14.6	18.3	24		20.9	30.7	30.7	18.8
Thyroid	10.4	15.6	10.8	15.5	31.2		16.3	18	5.7	23.8
Kidney and renal pelvis	13.6	16.4	19	18.1	17.4		21.7	24.6	15	26.5
Leukemia	15	17.2	16.7	14.3	17.5		20.9	14	10.2	10.7
Pancreas	12.6	13.3	14	14.3	12.8		14.4	13.4	11.3	10.9

Oral	11.8	11.7	10.2	13.1	13.8		10.3	12.5	16.9	11.8
Stomach	7	7.1	8.5	9.5	11.1		8.3	6.6	6.3	12.5
Multiple myeloma	6.2	7.2	7.1	6.7	8.9		7.1	6.5	8.1	5.5
Liver	7.9	6	5.5	5.8	7.3		3.6	4.9	4.8	5
Brain/CNS	6.9	6.8	7.3	7.1	7.1		7.5	7.3	4.2	7.7
Esophagus	5.8	6.8	4.7	4.8	5.4		5.2	8.1	5	5.2
Larynx	1.8	2	2.4	2	2.4		2.6	3	1.8	3.4
Hodgkin lymphoma	2.4	2.4	2.8	2.6	2.8		2.5	2.3	—	1.8

— ASIR based on fewer than 3 cases; CNS=central nervous system; NOS=not otherwise specified

\* Rates are age-standardized to the 2011 Canadian standard population<sup>1</sup>.

† Estimates for Quebec were not included because a different projection method was used for Quebec than the other regions, meaning the estimates are not comparable. For further details, see Canadian Cancer Statistics 2019.

‡ "All cancers" includes *in situ* bladder and excludes non-melanoma skin cancer (neoplasms, NOS; epithelial neoplasms, NOS; and basal and squamous).

<sup>1</sup>Statistics Canada. Canadian Cancer Registry – Age-standardization. Available at: [https://www.statcan.gc.ca/eng/statistical-programs/document/3207\\_D12\\_V3](https://www.statcan.gc.ca/eng/statistical-programs/document/3207_D12_V3). Accessed July 24, 2019.

**Supplementary Table 3 - Projected new cases for selected cancers, by sex and province, 2020**

	BC	AB	SK	MB	ON	QC†	NB	NS	PE	NL
<b>Males</b>										
All cancers*	14,200	11,200	3,200	3,600	45,600	29,200	2,700	3,500	520	2,000
Prostate	3,100	3,000	720	740	9,800	4,400	500	610	85	410
Lung and bronchus	1,550	1,150	400	470	5,200	4,900	430	530	85	270
Colorectal	2,100	1,450	540	520	5,000	3,900	380	550	80	390
Bladder	1,150	800	230	220	3,400	2,900	220	270	35	130
Non-Hodgkin lymphoma	630	520	140	170	2,600	1,350	130	180	20	95
Kidney and renal pelvis	570	480	150	170	1,800	1,300	150	180	20	120
Melanoma	630	390	90	140	2,200	600	100	190	35	65
Leukemia	520	440	130	130	1,700	920	120	100	10	50
Oral	480	360	85	120	1,500	920	70	110	25	60
Pancreas	400	280	95	100	1,100	860	80	90	15	35
Stomach	290	190	80	95	1,150	700	60	60	10	60
Liver	370	190	55	60	890	620	30	55	10	30
Thyroid	160	200	40	55	1,150	520	40	60	5	40
Multiple myeloma	210	190	55	55	860	510	40	50	10	20
Esophagus	260	240	45	50	680	410	45	85	10	30
Brain and CNS	220	170	50	55	620	440	35	50	5	25
Testis	160	160	30	40	460	240	20	25	5	5
Larynx	95	75	25	25	350	330	25	30	5	20
Hodgkin lymphoma	70	70	20	20	210	150	10	15	—	5
Breast	30	15	5	5	95	60	5	10	—	5
<b>Females</b>										
All cancers*	13,200	10,100	2,800	3,500	44,400	27,600	2,500	3,400	470	1,850
Breast	3,500	2,800	740	860	10,800	6,700	580	810	120	450
Lung and bronchus	1,750	1,250	420	480	5,400	4,100	400	540	70	240
Colorectal	1,650	1,100	370	350	4,300	3,100	280	440	65	280
Uterus	930	750	190	310	3,100	1,650	160	210	30	110
Thyroid	380	500	85	150	3,500	1,450	100	130	5	110

Non-Hodgkin lymphoma	530	390	120	130	2,000	1,050	100	130	15	75
Melanoma	550	350	85	110	1,700	490	95	170	25	55
Ovary	440	240	90	85	1,300	750	50	80	10	50
Pancreas	370	270	80	110	1,050	800	70	85	10	45
Bladder	300	220	75	80	1,050	910	65	85	10	50
Leukemia	360	290	85	80	1,150	620	85	70	10	20
Kidney and renal pelvis	230	230	85	90	1,000	660	75	120	10	65
Oral	200	140	40	60	710	390	35	45	5	20
Stomach	140	110	30	35	660	400	30	25	5	30
Multiple myeloma	170	110	35	40	630	350	35	35	5	20
Cervix	190	170	45	45	530	280	20	30	5	30
Brain and CNS	160	130	40	45	490	370	30	35	5	25
Liver	110	75	15	20	330	230	5	10	—	10
Esophagus	95	50	15	15	220	120	10	20	—	5
Hodgkin lymphoma	55	40	15	15	190	100	5	10	—	5
Larynx	15	10	5	5	60	65	5	10	—	5

— ASIR based on fewer than 3 cases; CNS=central nervous system; NOS=not otherwise specified

\* "All cancers" includes *in situ* bladder and excludes non-melanoma skin cancer (neoplasms, NOS; epithelial neoplasms, NOS; and basal and squamous).

† Quebec projections were calculated differently from the other provinces and territories because actual data were only available to 2010 for Quebec, whereas they were available to 2015 for the other regions. For further details, see Canadian Cancer Statistics 2019.

**Supplementary Table 4 - Projected age-standardized mortality rates (ASMR)\* for selected cancers, by sex and province, 2020**

	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL
<b>Males</b>										
All cancers	203.6	199.2	219.5	238.3	207.3	243.4	241.8	266.2	227.5	266.8
Lung and bronchus	41.7	44	52.4	48.9	46.7	69.7	71.8	68.6	70	75.2
Colorectal	25.6	24.2	28.7	30.1	22.1	30.8	27.4	38.1	27.4	46
Prostate	21.7	25.3	28.7	27.5	20.9	19.5	20.6	25.5	22.5	27.2
Pancreas	13.5	12.3	13.9	14	13.2	13.9	15.4	14.4	12.8	13.7
Bladder	10.1	8.9	10.3	9.5	9.3	10	10.1	11	9.4	8
Leukemia	8.2	7.9	9.3	11.1	8.9	9.8	8.6	10.6	7.9	7.2
Esophagus	9.5	10.3	10.5	10	8.5	6.7	9.6	11.1	7.8	8.8
Non-Hodgkin lymphoma	7.9	6.9	9.9	8.1	8.5	7.8	8.6	10.4	8.2	9.5
Brain/CNS	7.2	6.5	5.8	5.4	7.1	7.7	6.1	7.2	5.8	7.2
Kidney and renal pelvis	5.7	5.6	7.8	9.1	5.8	6.7	8.7	9	7.3	8.9
Stomach	5	5	3.8	5.8	6.2	7.2	5.3	5.2	—	10.8
Liver	7.2	4.9	2.6	5	5.6	5.4	4.4	5.7	—	2.9
Oral	4.6	4	3.9	3.7	6.3	5.4	3.9	3.6	3.6	5.6
Multiple myeloma	3.7	4	3.7	5.6	4.4	4.8	4.2	4.4	5.4	3.7
Melanoma	3.6	3.6	3.9	4	5.3	3.8	3.4	6.6	4.1	2.6
Larynx	1.1	1.8	1.5	0.9	1.4	2	1.8	2.2	—	3.7
Thyroid	0.4	0.7	0.5	0.4	0.6	0.5	0.5	—	—	—
Hodgkin lymphoma	0.3	0.3	—	—	0.3	0.4	—	—	—	—
Breast	0.3	0.4	—	—	0.3	0.2	—	0.5	—	—
Testis	0.2	0.2	—	—	0.2	0.2	—	—	—	—
<b>Females</b>										
All cancers	158.5	152.8	168.2	180	153.7	179.5	169.1	194.2	154.6	197.5
Lung and bronchus	38.5	40.5	44.8	46	35.6	54	46.8	54.4	45.9	44.2
Breast	21	21.8	24.4	24.6	21.4	22.9	19.6	23.9	16.3	26.2
Colorectal	19.9	15	20	19.7	16	19.2	17.3	21.8	19.9	32.3
Pancreas	10.5	11.2	10.8	10.9	10.4	11	10.9	11.8	10.3	9.3

Ovary	8.7	7.5	9.7	8.9	7.9	8.6	9.5	10.1	6.3	9.1
Uterus (Body,NOS)	4.9	5	4.6	4.8	5.9	5.1	4.6	7.2	3.5	4.6
Leukemia	5.4	4.5	5.2	4.9	5.1	5.4	5.4	5.7	7.8	4.4
Non-Hodgkin lymphoma	4.6	4.4	5.3	4.7	5.1	5.1	6.7	6.7	7.2	7.1
Brain/CNS	4.8	4	4.1	3.8	4.7	5.3	4.2	4.8	—	5.4
Stomach	2.8	3	2	2.8	3.4	3.5	2.9	2.1	3.3	4.6
Bladder	2.8	2.5	2.1	2.7	3	3	2.6	2.6	—	2.8
Multiple myeloma	3	2.7	3	3.4	2.7	2.9	3.3	3.3	—	3.1
Kidney and renal pelvis	2.3	2.5	3.6	3.7	2.3	3.1	4.3	3.8	2.3	5.9
Esophagus	2.5	2.2	2	1.6	2.2	1.8	2.5	2.7	—	1.8
Melanoma	1.9	2	1.8	1.8	2.1	1.8	1.8	2.6	2.7	1.6
Oral	2.1	1.6	1.5	2	1.7	2	1.3	1.1	—	1
Cervix	1.6	1.8	3.8	2.3	2	1.9	2.3	1.4	—	3.2
Liver	1.5	1.5	0.6	1.1	1.3	1.1	—	0.8	—	1
Thyroid	0.6	0.5	—	0.6	0.6	0.4	0.5	—	—	1
Larynx	0.2	0.3	—	—	0.2	0.6	—	0.5	—	—
Hodgkin lymphoma	0.1	0.2	—	—	0.3	0.2	—	—	—	—
<b>Both sexes</b>										
All cancers	178.7	172.7	190.7	204.7	176.7	206	200.4	224.8	185.8	227.4
Lung and bronchus	39.9	41.8	48.3	47.1	40.5	60.3	57.3	60.4	56	57.5
Colorectal	22.6	19.3	24.1	24.5	18.7	24.5	21.9	29.1	23.4	38.6
Pancreas	11.9	11.7	12.3	12.3	11.8	12.3	13	13	11.7	11.4
Breast	11.2	11.6	13.2	13.3	11.7	12.4	10.6	13.3	8.8	14.4
Leukemia	6.6	6	7.1	7.9	6.8	7.3	6.8	7.9	7.8	5.7
Non-Hodgkin lymphoma	6.1	5.5	7.3	6.2	6.6	6.2	7.6	8.3	7.6	8.2
Bladder	6.1	5.2	5.8	5.6	5.7	5.9	5.8	6.1	4.9	5
Esophagus	5.8	6.1	6.1	5.5	5.1	4.1	5.9	6.6	3.7	5
Brain/CNS	6	5.2	4.9	4.6	5.8	6.4	5.1	5.9	3.8	6.3
Kidney and renal pelvis	3.9	4	5.6	6.2	3.9	4.7	6.3	6.2	4.5	7.3
Stomach	3.8	3.8	2.8	4.2	4.6	5.2	4	3.5	2.6	7.5
Multiple myeloma	3.3	3.2	3.3	4.4	3.5	3.7	3.7	3.8	2.9	3.4

Oral	3.3	2.8	2.7	2.9	3.9	3.6	2.6	2.3	2.5	3.1
Liver	4.2	3.1	1.6	3	3.3	3.1	2.3	3.1	—	2
Melanoma	2.7	2.7	2.8	2.8	3.5	2.7	2.6	4.3	3.4	2.1
Larynx	0.6	1	0.8	0.5	0.8	1.2	0.9	1.3	—	1.7
Thyroid	0.5	0.6	0.4	0.5	0.6	0.5	0.5	0.3	—	0.6
Hodgkin lymphoma	0.2	0.2	—	—	0.3	0.3	—	—	—	—

— ASMR based on fewer than 3 deaths; CNS=central nervous system; NOS=not otherwise specified

\* Rates are age-standardized to the 2011 Canadian standard population<sup>1</sup>.

<sup>1</sup>Statistics Canada. Canadian Cancer Registry – Age-standardization. Available at: [https://www.statcan.gc.ca/eng/statistical-programs/document/3207\\_D12\\_V3](https://www.statcan.gc.ca/eng/statistical-programs/document/3207_D12_V3). Accessed July 24, 2019.



**Supplementary Table 5 - Projected deaths for selected cancers, by sex and province, 2020**

	BC	AB	SK	MB	ON	QC	NB	NS	PE	NL
<b>Males</b>										
All cancers*	5,900	3,800	1,300	1,550	15,800	11,800	1,150	1,550	210	870
Lung and bronchus	1,250	850	320	330	3,600	3,500	360	420	65	250
Colorectal	730	460	170	200	1,700	1,500	130	220	25	150
Prostate	610	440	160	170	1,550	900	90	140	20	80
Pancreas	390	240	80	95	1,000	690	75	85	10	45
Bladder	290	160	60	60	690	470	45	65	10	25
Leukemia	230	140	55	75	670	480	40	60	10	25
Esophagus	280	210	60	65	660	330	45	65	10	30
Non-Hodgkin lymphoma	230	130	55	55	640	370	40	60	10	30
Brain and CNS	200	140	35	35	540	370	30	40	5	25
Kidney and renal pelvis	170	110	45	60	440	320	40	55	5	30
Stomach	140	95	20	40	470	350	25	30	—	35
Liver	210	100	15	35	440	270	25	35	—	10
Oral	130	80	25	25	480	260	20	20	5	20
Multiple myeloma	110	75	20	35	340	240	20	25	5	15
Melanoma	100	70	25	25	400	180	15	35	5	10
Larynx	35	35	10	5	110	95	10	15	—	10
Thyroid	15	15	5	5	45	20	5	—	—	—
Hodgkin lymphoma	10	5	—	—	25	20	—	—	—	—
Breast	10	5	—	—	20	10	—	5	—	—
Testis	5	5	—	—	15	10	—	—	—	—
<b>Females</b>										
All cancers*	5,200	3,400	1,150	1,400	14,300	10,600	960	1,400	170	760
Lung and bronchus	1,300	890	310	360	3,300	3,200	270	390	50	170
Breast	660	480	170	190	1,900	1,300	110	160	15	95
Colorectal	660	330	140	160	1,500	1,200	100	160	25	120
Pancreas	350	250	75	85	990	660	60	85	10	35
Ovary	280	170	65	65	710	490	50	70	5	35

Uterus	160	110	30	40	540	300	25	50	5	20
Leukemia	180	100	35	40	480	330	30	40	10	15
Non-Hodgkin lymphoma	150	95	40	40	490	310	40	50	10	30
Brain and CNS	150	90	25	30	410	280	20	30	—	20
Stomach	90	65	15	20	310	210	15	15	5	20
Bladder	95	55	15	25	290	190	15	20	—	10
Multiple myeloma	100	60	20	25	260	180	20	25	—	10
Kidney and renal pelvis	80	55	25	30	230	190	25	30	5	25
Esophagus	85	50	15	15	200	110	15	20	—	5
Melanoma	60	45	10	15	190	100	10	15	5	5
Oral	70	35	10	15	160	120	10	10	—	5
Cervix	45	40	20	15	160	95	10	10	—	10
Liver	50	30	5	10	120	65	—	5	—	5
Thyroid	20	10	—	5	55	25	5	—	—	5
Larynx	5	5	—	—	20	35	—	5	—	—
Hodgkin lymphoma	5	5	—	—	20	10	—	—	—	—

— Fewer than 3 deaths; CNS=central nervous system; NOS=not otherwise specified