

Table 3. Seroprevalence estimates for Canadian blood donors by province

A. Canadian Blood Services (excludes Quebec and the Territories)

Province	Sampling period	Number of donors tested	Percentage with antibodies induced by...			
			infection or vaccination (Roche)	vaccine only (Roche)	infection (Roche)	infection (Abbott)
British Columbia	Wave 1	13,309				0.6% (95% CI: 0.4, 0.7)
British Columbia	October 2020	607				0.9% (95% CI: 0.5, 1.2)
British Columbia	November 2020	914				1.5% (95% CI: 1.0, 2.0)
British Columbia	December 2020	3,577				1.0% (95% CI: 0.7, 1.4)
British Columbia	January 2021	6,192	2.0% (95% CI: 1.6, 2.5)		1.6% (95% CI: 1.3, 2.0)	1.5% (95% CI: 1.2, 1.8)
British Columbia	March 2021	2,547	8.7% (95% CI: 7.7, 9.8)	6.7% (95% CI: 5.8, 7.6)	2.1% (95% CI: 1.6, 2.6)	
British Columbia	April 2021	2,285	25.5% (95% CI: 23.9, 27.1)	23.0% (95% CI: 21.4, 24.5)	2.4% (95% CI: 1.8, 3.0)	
British Columbia	May 2021	2,700	62.4% (95% CI: 60.6, 64.1)	59.2% (95% CI: 57.4, 61.0)	3.2% (95% CI: 2.5, 3.8)	
British Columbia	June 2021	2,670	92.9% (95% CI: 91.9, 93.9)	89.5% (95% CI: 88.3, 90.7)	3.2% (95% CI: 2.5, 3.8)	
British Columbia	July 2021	1,601	94.8% (95% CI: 93.5, 96.0)	90.84% (95% CI: 89.59, 92.08)	3.9% (95% CI: 2.9, 4.9)	

British Columbia	August 2021	1,515	97.0% (95% CI: 96.0, 98.0)	92.58% (95% CI: 91.6, 93.57)	4.4% (95% CI: 3.4, 5.4)	
British Columbia	September 2021	1626	97.93% (95% CI: 97.07, 98.79)	93.7% (95% CI: 92.84, 94.56)	4.41% (95% CI: 3.39, 5.43)	
British Columbia	October 2021	1576	98.84% (95% CI: 98.11, 99.56)	94.16% (95% CI: 93.43, 94.88)	4.68% (95% CI: 3.66, 5.7)	
British Columbia	November 2021	1421	99.09% (95% CI: 98.38, 99.8)	94.46% (95% CI: 93.75, 95.17)	4.63% (95% CI: 3.59, 5.68)	
British Columbia	December 2021	3390	98.99% (95% CI: 98.46, 99.52)	93.16% (95% CI: 92.63, 93.69)	5.83% (95% CI: 4.98, 6.69)	
British Columbia	January 2022	5305	98.83% (95% CI: 98.43, 99.23)	87.01% (95% CI: 86.61, 87.41)	11.82% (95% CI: 10.97, 12.66)	
British Columbia	February 2022	4438	99.68% (99.34, 100.0)	74.16% (73.82, 74.48)	25.52% (24.32, 26.73)	
British Columbia	March 2022	4646	99.78% (99.34, 100.0)	67.69% (67.25, 67.91)	32.09% (30.74, 33.44)	
British Columbia	April 2022	4662	99.6% (99.26, 99.94)	63.28% (62.94, 63.62)	36.32% (35.01, 37.62)	
British Columbia	May 2022	5296	100.0% (99.89, 100.0)	54.57% (54.46, 54.57)	45.43% (44.12, 46.74)	
British Columbia	June 2022	5202	100.0% (100.0, 100.0)	49.46% (49.46, 49.46)	50.54% (49.23, 51.86)	
Alberta	Wave 1	12,107				0.5% (95% CI: 0.3, 0.6)
Alberta	October 2020	1,028				0.8% (95% CI: 0.4, 1.1)
Alberta	November 2020	1,297				1.8% (95% CI: 1.2, 2.3)

Alberta	December 2020	4,339				2.1% (95% CI: 1.6, 2.7)
Alberta	January 2021	6,880	5.1% (95% CI: 4.4, 5.7)		4.0% (95% CI: 3.5, 4.6)	3.4% (95% CI: 2.9, 3.9)
Alberta	March 2021	3,191	10.9% (95% CI: 9.6, 12.2)	4.7% (95% CI: 3.8, 5.6)	6.5% (95% CI: 5.5, 7.5)	
Alberta	April 2021	3,138	27.2% (95% CI: 25.4, 28.9)	22.1% (95% CI: 20.4, 23.7)	5.1% (95% CI: 4.2, 6.0)	
Alberta	May 2021	3,207	67.8% (95% CI: 66.0, 69.7)	61.4% (95% CI: 59.4, 63.3)	6.4% (95% CI: 5.4, 7.4)	
Alberta	June 2021	3,591	88.9% (95% CI: 87.6, 90.2)	80.6% (95% CI: 78.9, 82.2)	8.1% (95% CI: 7.0, 9.2)	
Alberta	July 2021	1,746	90.9% (95% CI: 89.2, 92.6)	83.08% (95% CI: 81.38, 84.78)	7.8% (95% CI: 6.3, 9.3)	
Alberta	August 2021	2,049	93.4% (95% CI: 91.9, 94.8)	86.69% (95% CI: 85.25, 88.12)	6.7% (95% CI: 5.3, 8.0)	
Alberta	September 2021	2100	94.75% (95% CI: 93.46, 96.05)	86.47% (95% CI: 85.18, 87.77)	8.28% (95% CI: 6.81, 9.74)	
Alberta	October 2021	2245	96.61% (95% CI: 95.51, 97.71)	87.96% (95% CI: 86.86, 89.06)	8.65% (95% CI: 7.17, 10.13)	
Alberta	November 2021	2048	96.01% (95% CI: 93.68, 98.33)	86.76% (95% CI: 84.43, 89.08)	9.25% (95% CI: 7.67, 10.82)	
Alberta	December 2021	3455	97.79% (95% CI: 97.07, 98.5)	84.85% (95% CI: 84.13, 85.56)	12.94% (95% CI: 11.62, 14.27)	
Alberta	January 2022	6741	98.03% (95% CI: 97.53, 98.52)	81.25% (95% CI: 80.75, 81.74)	16.78% (95% CI: 15.72, 17.84)	

Alberta	February 2022	5560	98.88% (98.43, 99.34)	67.09% (66.64, 67.55)	31.79% (30.38, 33.19)	
Alberta	March 2022	5373	99.43% (99.01, 99.86)	59.61% (59.19, 60.04)	39.82% (38.26, 41.38)	
Alberta	April 2022	1610	99.72% (99.36, 100.0)	53.28% (52.78, 53.56)	46.44% (44.96, 47.91)	
Alberta	May 2022	6020	100.0% (99.92, 100.0)	44.21% (44.13, 44.21)	55.79% (54.36, 57.22)	
Alberta	June 2022	6415	100.0% (99.91, 100.0)	39.14% (39.05, 39.14)	60.86% (59.45, 62.26)	
Saskatchewan	Wave 1	3,050				0.5% (95% CI: 0.2, 0.8)
Saskatchewan	October 2020	286				0.2% (95% CI: 0.0, 0.6)
Saskatchewan	November 2020	290				4.2% (95% CI: 2.6, 5.8)
Saskatchewan	December 2020	1,510				2.3% (95% CI: 1.1, 3.4)
Saskatchewan	January 2021	1,711	4.6% (95% CI: 3.4, 5.8)		3.5% (95% CI: 2.5, 4.5)	2.5% (95% CI: 1.6, 3.3)
Saskatchewan	March 2021	671	10.3% (95% CI: 8.0, 12.7)	5.2% (95% CI: 3.4, 7.0)	5.4% (95% CI: 3.6, 7.1)	
Saskatchewan	April 2021	850	30.0% (95% CI: 26.5, 33.5)	26.8% (95% CI: 23.4, 30.2)	3.3% (95% CI: 1.9, 4.8)	
Saskatchewan	May 2021	627	72.0% (95% CI: 68.5, 75.5)	67.5% (95% CI: 63.9, 71.2)	4.3% (95% CI: 2.8, 5.9)	
Saskatchewan	June 2021	883	91.5% (95% CI: 89.2, 93.8)	86.3% (95% CI: 83.5, 89.1)	4.9% (95% CI: 3.2, 6.6)	

Saskatchewan	July 2021	639	94.4% (95% CI: 91.7, 97.1)	90.53% (95% CI: 87.81, 93.24)	3.9% (95% CI: 1.8, 6.0)	
Saskatchewan	August 2021	611	91.9% (95% CI: 88.8, 94.9)	89.07% (95% CI: 86.05, 92.1)	2.8% (95% CI: 1.0, 4.6)	
Saskatchewan	September 2021	625	96.04% (95% CI: 93.76, 98.31)	90.1% (95% CI: 87.82, 92.37)	5.94% (95% CI: 3.49, 8.4)	
Saskatchewan	October 2021	689	97.47% (95% CI: 95.55, 99.39)	93.04% (95% CI: 91.12, 94.96)	4.43% (95% CI: 2.13, 6.55)	
Saskatchewan	November 2021	661	96.01% (95% CI: 93.68, 98.33)	87.71% (95% CI: 85.38, 90.03)	8.3% (95% CI: 5.39, 11.2)	
Saskatchewan	December 2021	882	99.05% (95% CI: 97.94, 100.0)	92.05% (95% CI: 90.94, 93.0)	7.0% (95% CI: 5.03, 8.98)	
Saskatchewan	January 2022	1553	98.76% (95% CI: 97.91, 99.62)	87.23% (95% CI: 86.38, 88.09)	11.53% (95% CI: 9.75, 13.3)	
Saskatchewan	February 2022	1213	98.98% (98.1, 99.86)	76.7% (75.82, 77.58)	22.28% (19.81, 24.75)	
Saskatchewan	March 2022	1341	99.52% (98.73, 99.67)	68.75% (67.96, 68.9)	30.77% (27.92, 33.62)	
Saskatchewan	April 2022	1317	99.88% (99.22, 100.0)	59.91% (59.4, 60.03)	39.97% (37.14, 42.8))	
Saskatchewan	May 2022	1349	100.0% (99.38, 100.0)	49.97% (49.35, 49.97)	50.03% (47.23, 52.82)	
Saskatchewan	June 2022	1555	99.96% (99.34, 100.0)	44.51% (43.89, 44.55)	55.45% (52.66, 58.23)	
Manitoba	Wave 1	3,455				0.6% (95% CI: 0.3, 0.9)
Manitoba	October 2020	257				3.0% (95% CI: 1.7, 4.2)

Manitoba	November 2020	380				8.6% (95% CI: 6.5, 10.6)
Manitoba	December 2020	1,325				3.1% (95% CI: 1.9, 4.3)
Manitoba	January 2021	1,798	5.6% (95% CI: 4.4, 6.8)		5.4% (95% CI: 4.2, 6.5)	3.9% (95% CI: 2.9, 4.9)
Manitoba	March 2021	807	14.3% (95% CI: 11.7, 16.8)	8.2% (95% CI: 6.1, 10.3)	6.8% (95% CI: 4.9, 8.6)	
Manitoba	April 2021	883	22.5% (95% CI: 19.5, 25.6)	18.1% (95% CI: 15.3, 20.9)	4.2% (95% CI: 2.7, 5.6)	
Manitoba	May 2021	843	61.2% (95% CI: 57.8, 64.7)	55.6% (95% CI: 52.3, 59.4)	5.4% (95% CI: 3.8, 7.0)	
Manitoba	June 2021	1,008	87.0% (95% CI: 84.5, 89.6)	80.0% (95% CI: 77.0, 82.9)	6.8% (95% CI: 5.0, 8.6)	
Manitoba	July 2021	701	94.9% (95% CI: 92.5, 97.4)	92.06% (95% CI: 89.6, 94.51)	2.9% (95% CI: 1.1, 4.6)	
Manitoba	August 2021	670	95.1% (95% CI: 92.8, 97.4)	87.57% (95% CI: 85.24, 89.9)	7.5% (95% CI: 5.0, 10.1)	
Manitoba	September 2021	661	97.01% (95% CI: 95.09, 98.93)	91.47% (95% CI: 89.55, 93.39)	5.54% (95% CI: 3.32, 7.76)	
Manitoba	October 2021	695	95.9% (95% CI: 93.8, 98.0)	90.41% (95% CI: 88.31, 92.51)	5.49% (95% CI: 3.33, 7.65)	
Manitoba	November 2021	790	97.35% (95% CI: 95.47, 99.23)	88.52% (95% CI: 86.64, 90.4)	8.83% (95% CI: 6.04, 11.61)	
Manitoba	December 2021	807	97.77% (95% CI: 96.47, 99.06)	89.59% (95% CI: 88.29, 90.88)	8.18% (95% CI: 6.21, 10.14)	

Manitoba	January 2022	2001	98.0% (95% CI: 97.09, 98.9)	81.74% (95% CI: 80.83, 82.64)	16.26% (95% CI: 14.36, 18.16)	
Manitoba	February 2022	1479	99.13% (98.35, 99.91)	71.08% (70.3, 71.86)	28.05% (25.61, 30.5)	
Manitoba	March 2022	1575	99.45% (98.69, 100.0)	66.29% (65.53, 66.84)	33.16% (30.48, 35.85)	
Manitoba	April 2022	1403	99.96% (99.37, 100.0)	59.66% (59.12, 59.7)	40.3% (37.67, 42.92)	
Manitoba	May 2022	1651	99.0% (99.31, 100.0)	48.04% (48.35, 49.04)	50.96% (48.36, 53.56)	
Manitoba	June 2022	1730	100.0% (100.0, 100.0)	43.73% (43.73, 43.73)	56.27% (53.7, 58.85)	
Ontario	Wave 1	37,928				0.9% (95% CI: 0.8, 1.0)
Ontario	October 2020	11,808				0.9% (95% CI: 0.7, 1.1)
Ontario	November 2020	11,662				0.8% (95% CI: 0.6, 1.0)
Ontario	December 2020	6,319				1.2% (95% CI: 0.9, 1.4)
Ontario	January 2021	13,616	2.3% (95% CI: 2.0, 2.5)		1.9% (95% CI: 1.7, 2.1)	1.8% (95% CI: 1.6, 2.0)
Ontario	March 2021	8,015	10.6% (95% CI: 10.0, 11.3)	8.0% (95% CI: 7.4, 8.6)	2.8% (95% CI: 2.4, 3.1)	
Ontario	April 2021	7,777	29.3% (95% CI: 28.3, 30.2)	25.8% (95% CI: 24.9, 26.8)	3.4% (95% CI: 3.0, 3.8)	
Ontario	May 2021	8,026	65.6% (95% CI: 64.6, 66.6)	61.4% (95% CI: 60.3, 62.5)	4.1% (95% CI: 3.7, 4.5)	

Ontario	June 2021	6,983	91.0% (95% CI: 90.3, 91.6)	86.3% (95% CI: 85.6, 87.1)	4.5% (95% CI: 4.0, 4.9)	
Ontario	July 2021	2,500	95.6% (95% CI: 94.9, 96.3)	91.88% (95% CI: 91.18, 92.58)	3.8% (95% CI: 3.2, 4.4)	
Ontario	August 2021	3,155	96.5% (95% CI: 95.9, 97.1)	92.12% (95% CI: 91.5, 92.74)	4.4% (95% CI: 3.8, 5.0)	
Ontario	September 2021	3107	97.37% (95% CI: 96.81, 97.92)	93.61% (95% CI: 93.05, 94.16)	3.76% (95% CI: 3.19, 4.32)	
Ontario	October 2021	3200	98.05% (95% CI: 97.56, 98.55)	94.72% (95% CI: 94.23, 95.22)	3.33% (95% CI: 2.8, 3.85)	
Ontario	November 2021	2835	98.6% (95% CI: 98.13, 99.07)	94.56% (95% CI: 94.09, 95.03)	4.04% (95% CI: 3.45, 4.63)	
Ontario	December 2021	7178	98.49% (95% CI: 98.25, 100.0)	93.06% (95% CI: 92.82, 94.57)	5.43% (95% CI: 4.94, 5.92)	
Ontario	January 2022	13085	99.08% (95% CI: 98.86, 99.31)	86.95% (95% CI: 86.73, 87.18)	12.13% (95% CI: 11.62, 12.64)	
Ontario	February 2022	13633	99.67% (99.47, 99.87)	77.02% (76.82, 77.22)	22.65% (21.96, 23.34)	
Ontario	March 2022	10829	99.44% (99.21, 100.0)	73.19% (72.96, 73.75)	26.25% (25.49, 27.01)	
Ontario	April 2022	14103	99.63% (99.42, 99.83)	64.74% (64.56, 64.94)	34.89% (34.12, 35.66)	
Ontario	May 2022	14137	100.0% (99.98, 100.0)	55.15% (55.13, 55.15)	44.85% (44.08, 45.63)	
Ontario	June 2022	14562	100.0% (99.96, 100.0)	51.86% (51.82, 51.86)	48.14% (47.37, 48.92)	
New Brunswick	Wave 1	2,595				0.2% (95% CI: 0.0, 0.5)

New Brunswick	October 2020	994				0.2% (95% CI: 0.0, 0.7)
New Brunswick	November 2020	988				0.5% (95% CI: 0.0, 1.2)
New Brunswick	December 2020	482				0.8% (95% CI: 0.0, 1.6)
New Brunswick	January 2021	1,080	0.8% (95% CI: 0.1, 1.5)		0.2% (95% CI: 0.0, 0.6)	0.3% (95% CI: 0.0, 0.7)
New Brunswick	March 2021	556	4.8% (95% CI: 2.8, 6.8)	4.7% (95% CI: 2.6, 6.7)	0.0% (95% CI: 0.0, 0.3)	
New Brunswick	April 2021	559	20.9% (95% CI: 17.2, 24.6)	20.8% (95% CI: 17.1, 24.4)	0.0% (95% CI: 0.0, 0.2)	
New Brunswick	May 2021	526	51.3% (95% CI: 46.7, 55.9)	51.3% (95% CI: 46.7, 55.9)	0.0% (95% CI: 0.0, NA)	
New Brunswick	June 2021	638	91.2% (95% CI: 88.4, 93.9)	91.0% (95% CI: 88.2, 93.7)	0.0% (95% CI: 0.0, 0.4)	
New Brunswick	July 2021	427	94.8% (95% CI: 91.7, 97.9)	94.2% (95% CI: 91.1, 97.31)	0.6% (95% CI: 0.0, 1.7)	
New Brunswick	August 2021	455	98.3% (95% CI: 96.2, 100.0)	98.19% (95% CI: 96.1, 99.91)	0.1% (95% CI: 0.0, 0.8)	
New Brunswick	September 2021	309	97.57% (95% CI: 95.31, 99.83)	96.8% (95% CI: 94.54, 99.06)	0.77% (95% CI: 0.0, 1.94)	
New Brunswick	October 2021	370	100.0% (95% CI: 99.01, 100.0)	99.37% (95% CI: 98.38, 99.37)	0.63% (95% CI: 0.0, 1.71)	
New Brunswick	November 2021	374.0	97.03% (95% CI: 94.54, 99.52)	95.33% (95% CI: 92.84, 97.82)	1.7% (95% CI: 0.01, 3.4)	

New Brunswick	December 2021	185	99.69% (95% CI: 98.69, 100.0)	99.24% (95% CI: 98.24, 99.55)	0.45% (95% CI: 0.0, 1.22)	
New Brunswick	January 2022	1192	99.13% (95% CI: 98.19, 100.0)	96.7% (95% CI: 95.76, 97.57)	2.43% (95% CI: 1.38, 3.47)	
New Brunswick	February 2022	797	100.0% (100.0, 100.0)	90.18% (90.18, 90.18)	9.82% (7.76, 11.89)	
New Brunswick	March 2022	851	99.78% (98.92, 100.0)	84.75% (83.89, 84.97)	15.03% (12.44, 17.63)	
New Brunswick	April 2022	710	100.0% (99.45, 100.0)	64.64% (64.16, 64.64)	35.36% (31.99, 38.73)	
New Brunswick	May 2022	1305	100.0% (99.61, 100.0)	57.67% (57.28, 57.67)	42.33% (39.05, 45.61)	
New Brunswick	June 2022	804	100.0% (99.67, 100.0)	55.47% (55.14, 55.47)	44.53% (41.27, 47.8)	
Nova Scotia	Wave 1	3,408				0.7% (95% CI: 0.3, 1.0)
Nova Scotia	October 2020	1,083				1.0% (95% CI: 0.1, 1.9)
Nova Scotia	November 2020	890				0.2% (95% CI: 0.0, 0.7)
Nova Scotia	December 2020	978				0.6% (95% CI: 0.0, 1.3)
Nova Scotia	January 2021	1,348	0.6% (95% CI: 0.0, 1.2)		0.4% (95% CI: 0.0, 0.8)	0.6% (95% CI: 0.1, 1.0)
Nova Scotia	March 2021	614	2.5% (95% CI: 1.1, 3.9)	2.4% (95% CI: 1.0, 3.7)	0.0% (95% CI: 0.0, 0.3)	
Nova Scotia	April 2021	796	13.0% (95% CI: 10.2, 15.8)	12.7% (95% CI: 9.9, 15.5)	0.4% (95% CI: 0.0, 1.1)	

Nova Scotia	May 2021	678	48.9% (95% CI: 44.8, 52.9)	48.3% (95% CI: 44.3, 52.4)	0.8% (95% CI: 0.0, 1.5)	
Nova Scotia	June 2021	690	89.4% (95% CI: 86.7, 92.1)	88.9% (95% CI: 86.2, 91.7)	0.3% (95% CI: 0.0, 0.8)	
Nova Scotia	July 2021	579	94.2% (95% CI: 91.3, 97.2)	93.9% (95% CI: 90.99, 96.8)	0.3% (95% CI: 0.0, 1.2)	
Nova Scotia	August 2021	398	99.2% (95% CI: 97.2, 100.0)	98.99% (95% CI: 96.92, 99.75)	0.2% (95% CI: 0.0, 1.0)	
Nova Scotia	September 2021	499	97.15% (95% CI: 95.0, 99.29)	96.72% (95% CI: 94.57, 98.86)	0.43% (95% CI: 0.0, 1.29)	
Nova Scotia	October 2021	530	99.04% (95% CI: 97.46, 100.0)	97.97% (95% CI: 96.39, 98.93)	1.07% (95% CI: 0.0, 2.28)	
Nova Scotia	November 2021	537	99.98% (95% CI: 98.77, 100.0)	99.41% (95% CI: 98.2, 99.43)	0.57% (95% CI: 0.0, 1.53)	
Nova Scotia	December 2021	649	99.91% (95% CI: 97.55, 100.0)	99.66% (95% CI: 97.3, 99.75)	0.25% (95% CI: 0.0, 0.79)	
Nova Scotia	January 2022	1712	100.0% (95% CI: 99.4, 100.0)	96.2% (95% CI: 95.6, 96.2)	3.8% (95% CI: 2.66, 4.95)	
Nova Scotia	February 2022	962	100.0% (99.98, 100.0)	87.23% (87.21, 87.23)	12.77% (10.69, 14.85)	
Nova Scotia	March 2022	1067	99.95% (99.23, 100.0)	81.94% (81.22, 81.99)	18.01% (15.51, 20.51)	
Nova Scotia	April 2022	1287	100.0% (99.52, 100.0)	79.22% (77.16, 79.22)	20.78% (18.29, 23.27)	
Nova Scotia	May 2022	1388	100.0% (99.92, 100.0)	65.48% (65.4, 65.48)	34.52% (31.71, 37.32)	
Nova Scotia	June 2022	1276	100.0% (99.93, 100.0)	58.51% (58.44, 58.51)	41.49% (38.58, 44.4)	

Prince Edward Island	Wave 1	703				0.0% (95% CI: 0.0, 0.4)
Prince Edward Island	October 2020	307				0.0% (95% CI: 0.0, NA)
Prince Edward Island	November 2020	201				0.0% (95% CI: 0.0, NA)
Prince Edward Island	December 2020	208				0.0% (95% CI: 0.0, NA)
Prince Edward Island	January 2021	NA	3.4% (95% CI: 0.5, 6.2)		NA% (95% CI: NA, NA)	0.0% (95% CI: 0.0, 0.0)
Prince Edward Island	March 2021	150	6.3% (95% CI: 1.1, 11.6)	6.3% (95% CI: 1.1, 11.6)	0.0% (95% CI: 0.0, NA)	
Prince Edward Island	April 2021	211	17.6% (95% CI: 9.6, 25.5)	17.6% (95% CI: 9.6, 25.5)	0.0% (95% CI: NA, NA)	
Prince Edward Island	May 2021	136	42.8% (95% CI: 32.4, 53.1)	42.8% (95% CI: 32.4, 53.1)	0.0% (95% CI: 0.0, NA)	
Prince Edward Island	June 2021	178	84.8% (95% CI: 77.0, 92.7)	84.8% (95% CI: 77.0, 92.7)	0.0% (95% CI: 0.0, 0.0)	
Prince Edward Island	July 2021	88	98.7% (95% CI: 94.2, 103.3)	98.74% (95% CI: 94.21, 103.27)	0.0% (95% CI: 0.0, NA)	
Prince Edward Island	August 2021	121	97.5% (95% CI: 92.2, 100.0)	97.06% (95% CI: 91.73, 99.57)	0.4% (95% CI: 0.0, 2.6)	
Prince Edward Island	September 2021	116	98.1% (95% CI: 93.27, 100.0)	98.1% (95% CI: 93.27, 100.0)	0.0% (95% CI: 0.0, 0.0)	
Prince Edward Island	October 2021	159	99.02% (95% CI: 95.01, 100.0)	99.02% (95% CI: 95.01, 100.0)	0.0% (95% CI: 0.0, 0.0)	

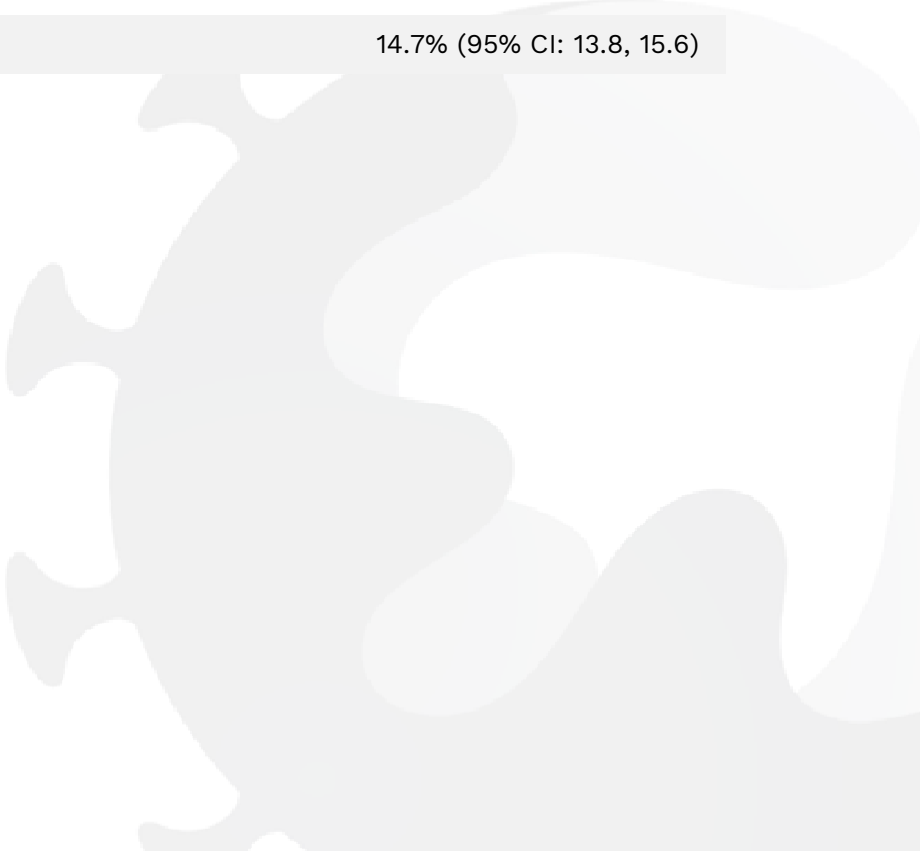
Prince Edward Island	November 2021	120	96.88% (95% CI: 91.33, 100.0)	95.25% (95% CI: 89.7, 98.37)	1.63% (95% CI: 0.0, 5.41)	
Prince Edward Island	December 2021	134	99.91% (95% CI: 97.55, 100.0)	99.91% (95% CI: 97.55, 100.0)	0.0% (95% CI: 0.0, 0.0)	
Prince Edward Island	January 2022	400	99.44% (95% CI: 97.48, 100.0)	97.92% (95% CI: 95.96, 98.48)	1.52% (95% CI: 0.0, 3.45)	
Prince Edward Island	February 2022	140	99.4% (97.3, 100.0)	92.19% (90.09, 92.79)	7.21% (3.05, 11.36)	
Prince Edward Island	March 2022	109	99.17% (96.77, 100.0)	91.54% (89.14, 92.37)	7.63% (3.02, 12.24)	
Prince Edward Island	April 2022	203	99.78% (97.94, 100.0)	62.68% (62.58, 62.9)	37.1% (29.56, 44.64)	
Prince Edward Island	May 2022	196	99.64% (97.67, 100.0)	67.86% (65.89, 68.22)	31.78% (24.29, 39.27)	
Prince Edward Island	June 2022	192	99.76% (97.97, 100.0)	50.52% (48.73, 50.76)	49.24% (41.66, 56.82)	
Newfoundland	Wave 1	1,087				0.4% (95% CI: 0.0, 0.8)
Newfoundland	October 2020	441				0.1% (95% CI: 0.0, 0.5)
Newfoundland	November 2020	427				0.9% (95% CI: 0.0, 2.1)
Newfoundland	December 2020	271				0.2% (95% CI: 0.0, 0.8)
Newfoundland	January 2021	474	0.9% (95% CI: 0.0, 1.8)		0.0% (95% CI: 0.0, 0.3)	0.4% (95% CI: 0.0, 1.0)

Newfoundland	March 2021	322	2.2% (95% CI: 0.5, 4.0)	2.0% (95% CI: 0.3, 3.6)	0.1% (95% CI: 0.0, 0.7)	
Newfoundland	April 2021	432	18.0% (95% CI: 13.8, 22.1)	17.1% (95% CI: 13.0, 21.2)	0.9% (95% CI: 0.0, 2.0)	
Newfoundland	May 2021	258	45.2% (95% CI: 39.8, 50.7)	44.9% (95% CI: 39.5, 50.4)	0.5% (95% CI: 0.0, 1.4)	
Newfoundland	June 2021	243	90.8% (95% CI: 87.4, 94.2)	90.5% (95% CI: 87.1, 94.0)	0.1% (95% CI: 0.0, 0.6)	
Newfoundland	July 2021	176	98.2% (95% CI: 95.6, 100.8)	96.66% (95% CI: 94.04, 99.28)	1.5% (95% CI: 0.0, 3.5)	
Newfoundland	August 2021	135	100.0% (95% CI: 98.6, 100.0)	100.0% (95% CI: 98.57, 100.0)	0.0% (95% CI: NA, NA)	
Newfoundland	September 2021	320	98.47% (95% CI: 96.1, 100.0)	98.47% (95% CI: 96.1, 100.0)	0.0% (95% CI: 0.0, 0.0)	
Newfoundland	October 2021	163	100.0% (95% CI: 99.73, 100.0)	100.0% (95% CI: 99.73, 100.0)	0.0% (95% CI: 0.0, 0.0)	
Newfoundland	November 2021	232	99.84% (95% CI: 98.12, 100.0)	99.21% (95% CI: 97.49, 99.37)	0.63% (95% CI: 0.0, 1.97)	
Newfoundland	December 2021	136	100.0% (95% CI: 99.79, 100.0)	99.04% (95% CI: 98.83, 99.04)	0.96% (95% CI: 0.0, 2.12)	
Newfoundland	January 2022	516	100.0% (95% CI: 99.3, 100.0)	97.9% (95% CI: 97.2, 97.9)	2.1% (95% CI: 0.93, 3.26)	
Newfoundland	February 2022	394	100.0% (99.54, 100.0)	91.82% (91.36, 91.82)	8.18% (5.87, 10.5)	
Newfoundland	March 2022	235	100.0% (99.28, 100.0)	94.04% (93.32, 94.04)	5.96% (3.8, 8.12)	

Newfoundland	April 2022	510	100.0% (99.68, 100.0)	72.1% (71.78, 72.1)	27.9% (24.25, 31.56)	
Newfoundland	May 2022	422	100.0% (100.0, 100.0)	67.0% (67.0, 67.0)	33.0% (29.29, 36.71)	
Newfoundland	June 2022	385	100.0% (100.0, 100.0)	54.28% (54.28, 54.28)	45.72% (41.78, 49.66)	

B. Héma-Québec (Quebec only)

Subgroup	Sampling period	Number of donors tested	Percentage with antibodies to spike RBD (ELISA test developed by Héma-Québec)
Unvaccinated Quebec blood donors	June 2020	7,691	2.2% (95% CI: 1.9, 2.6)
Unvaccinated Quebec blood donors	Feb-Mar 2021	7,304	10.5% (95% CI: 9.7, 11.3)
All Quebec blood donors	Feb-Mar 2021	7,924	14.7% (95% CI: 13.8, 15.6)



Antibodies induced by...	Sampling period	Number of donors tested (conventional approach)		Percentage with antibodies using the conventional approach ¹	Number of donors tested (ratio approach)	Percentage testing positive using the ratio approach ²
Vaccination or Infection	June-Jul 2021	2254		89.61% (95% CI: 88.48, 90.75)	N/A	N/A
Infection only	June-Jul 2021	2254		6.43% (95% CI: 5.52, 7.34)	N/A	N/A
Infection only	Jan-2022	568		8.26% (95% CI: 6.00, 10.52)	466	9.73% (95% CI: 7.08, 12.38)
Infection only	Feb-2022	496		14.33% (95% CI: 11.27, 17.40)	496	20.32% (95% CI: 16.80, 23.84)
Infection only	Mar-2022	554		15.09% (95%CI: 12.23, 17.95)	557	27.37% (95% CI: 23.80, 30.93)
Infection only	June-2022	558		30.74% (26.96, 34.52)	558	45.32% (41.24, 49.40)

¹Anti-N ELISA test developed by Héma-Québec with positivity threshold of 0.350

²Anti-N ELISA test developed by Héma-Québec, seropositivity with Anti-N ratio > 1.5

