

# Respiratory Virus Report, Week 38 - ending September 19, 2020

The Respiratory Virus Detection Surveillance System collects data from select laboratories across Canada on the number of tests performed and the number of tests positive for influenza and other respiratory viruses. Data are reported on a weekly basis year-round to the Centre for Immunization and Respiratory Infectious Diseases (CIRID), Public Health Agency of Canada. These data are also summarized in the weekly FluWatch report.

In this Respiratory Virus Report, the number of detections of coronavirus reflects only seasonal human coronaviruses, not the novel pandemic coronavirus (SARS-CoV2) that causes COVID-19. For information on COVID-19, see the [Coronavirus disease \(COVID-19\): Outbreak](#)

**Table 1: Respiratory Virus Detections/Isolations for the week ending September 19, 2020 (Reporting Week 202038)**

Reporting Laboratory	Flu Tested	A(H1N1)pdm09 Positive	A(H3) Positive	A(UnS) Positive	Total Flu A Positive	Total Flu B Positive	RSV Tested	RSV Positive	PIV Tested	PIV 1 Positive	PIV 2 Positive	PIV 3 Positive	PIV 4 Positive	Other PIV Positive	Adeno Tested	Adeno Positive	hMPV Tested	hMPV Positive	Entero/Rhino Tested	Entero/Rhino Positive	Coron Tested	Coron Positive
Newfoundland	447	0	0	0	0	0	447	0	447	0	0	0	0	0	447	3	447	0	447	216	N.A.	N.A.
Prince Edward Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nova Scotia	10	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	10	0	10	2	10	0
New Brunswick	8	0	0	0	0	0	8	0	8	0	0	0	0	0	8	1	8	0	8	0	8	0
<b>Atlantic</b>	<b>465</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>465</b>	<b>0</b>	<b>465</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>465</b>	<b>4</b>	<b>465</b>	<b>0</b>	<b>465</b>	<b>218</b>	<b>18</b>	<b>0</b>
Région Nord-Est	16	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Centre-du-Québec	8	0	0	0	0	0	8	0	5	0	0	0	0	0	3	0	5	0	N.A.	N.A.	5	0
Montréal-Laval	82	0	0	0	0	0	82	0	47	0	0	0	0	0	47	0	42	0	N.A.	N.A.	42	0
Ouest du Québec	15	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
<b>Province of Québec</b>	<b>123</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>123</b>	<b>0</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>47</b>	<b>0</b>	<b>N.A.</b>	<b>N.A.</b>	<b>47</b>	<b>0</b>
P.H.O.L. - Ottawa	4	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	4	0	4	0	4	0
CHEO - Ottawa	90	0	0	1	1	5	90	2	27	0	0	0	0	0	27	0	27	0	27	5	27	0
P.H.O.L. - Kingston	22	0	0	0	0	0	22	0	22	0	0	0	0	0	22	1	22	0	22	11	22	0
UHN / Mount Sinai Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.H.O.L. - Toronto	113	0	0	0	0	0	113	1	113	0	0	0	0	0	113	1	113	0	113	6	113	0
Sick Kids Hospital - Toronto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunnybrook & Women's College HSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.H.O.L. - Sault Ste. Marie	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
P.H.O.L. - Timmins	18	0	0	0	0	0	18	0	18	0	0	0	0	0	18	0	18	0	18	4	18	0
St. Joseph's - London	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.H.O.L. - London	11	0	0	0	0	0	11	0	11	0	0	0	0	0	11	0	11	0	11	0	11	0
P.H.O.L. - Orillia	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
P.H.O.L. - Thunder Bay	30	0	0	0	0	0	30	0	30	0	0	0	0	0	30	0	30	0	30	15	30	0
P.H.O.L. - Sudbury	9	0	0	0	0	0	9	0	9	0	0	0	0	0	9	0	9	0	9	0	9	0
P.H.O.L. - Hamilton	25	0	0	0	0	0	25	0	25	0	0	0	0	0	25	0	25	0	25	4	25	0
P.H.O.L. - Peterborough	11	0	0	0	0	0	11	0	11	0	0	0	0	0	11	0	11	0	11	0	11	0
St. Joseph's - Hamilton	60	0	0	0	0	0	60	0	60	0	0	0	0	0	60	0	60	0	60	12	0	0
<b>Province of Ontario</b>	<b>397</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>397</b>	<b>3</b>	<b>334</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>334</b>	<b>2</b>	<b>334</b>	<b>0</b>	<b>334</b>	<b>57</b>	<b>274</b>	<b>0</b>
Province of Manitoba	535	0	0	0	0	0	535	2	67	0	0	0	0	0	67	5	59	0	67	7	59	0
Regina	60	0	0	0	0	0	60	1	69	0	0	0	0	0	69	0	69	0	69	12	69	0
Saskatoon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Province of Saskatchewan	60	0	0	0	0	0	60	1	69	0	0	0	0	0	69	0	69	0	69	12	69	0
Province of Alberta	2298	0	0	0	0	0	2298	0	2298	0	0	0	0	0	2298	4	2298	0	2298	189	2298	0
<b>Prairies</b>	<b>2894</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2893</b>	<b>3</b>	<b>2434</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2434</b>	<b>9</b>	<b>2426</b>	<b>0</b>	<b>2434</b>	<b>208</b>	<b>2426</b>	<b>0</b>
<b>British Columbia</b>	<b>1045</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1046</b>	<b>0</b>	<b>246</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>240</b>	<b>6</b>	<b>246</b>	<b>1</b>	<b>236</b>	<b>33</b>	<b>236</b>	<b>0</b>
Yukon	314	0	0	0	0	0	314	0	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Northwest Territories	25	0	0	0	0	0	25	0	25	0	0	0	0	0	25	0	25	0	25	2	25	0
Nunavut	130	0	0	0	0	0	130	0	130	1	0	0	0	0	130	0	130	0	130	28	1	0
<b>Territories</b>	<b>469</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>469</b>	<b>0</b>	<b>155</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>155</b>	<b>0</b>	<b>155</b>	<b>0</b>	<b>155</b>	<b>30</b>	<b>26</b>	<b>0</b>
<b>CANADA</b>	<b>5393</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>5393</b>	<b>6</b>	<b>3686</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3678</b>	<b>21</b>	<b>3673</b>	<b>1</b>	<b>3624</b>	<b>546</b>	<b>3027</b>	<b>0</b>

Specimens from Yukon (YT), Northwest Territories (NT) and Nunavut (NU) are sent to reference laboratories in other provinces and reported results reflect specimens identified as originating from YT, NT or NU.

Results from British Columbia comprise of specimens from the following sites: BC Children's and Women's Hospital, Children's and Women's Hospital Laboratory, Fraser Health Medical Microbiology Laboratory, Island Health, Providence Health Care, Powell River Hospital, St. Paul's Hospital, Vancouver General Hospital, Victoria General Hospital, Victoria Coastal Health, BCCDC Public Health Laboratory, Interior Health Authority sites and Northern Health Authority sites.

Delays in the reporting of data may cause data to change retrospectively.

For BC, only data from subtyped influenza A specimens are included in the weekly number of influenza detections and so the sum of A(H1N1)pdm09, A(H3), and A(UnS) positive results may not equal the sum of total Flu A positive results.

**Table 2: Respiratory Virus Detections/Isolations for the period August 23, 2020 - September 19, 2020 (Reporting Weeks 202035-202038)**

Reporting Laboratory	Flu Tested	A(H1N1)pdm09 Positive	A(H3) Positive	A(UnS) Positive	Total Flu A Positive	Total Flu B Positive	RSV Tested	RSV Positive	PIV Tested	PIV 1 Positive	PIV 2 Positive	PIV 3 Positive	PIV 4 Positive	Other PIV Positive	Adeno Tested	Adeno Positive	hMPV Tested	hMPV Positive	Entero/Rhino Tested	Entero/Rhino Positive	Coron Tested	Coron Positive
Newfoundland	901	0	0	0	0	0	901	0	901	0	0	0	0	0	901	3	901	0	901	230	N.A.	N.A.
Prince Edward Island	5	0	0	0	0	0	5	0	5	0	0	0	0	0	5	0	5	0	5	1	5	0
Nova Scotia	37	0	0	0	0	0	37	0	35	0	0	0	0	0	35	0	35	0	35	3	35	0
New Brunswick	74	0	0	0	0	0	74	0	66	0	0	0	0	0	57	2	57	0	57	3	41	0
<b>Atlantic</b>	<b>1017</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1017</b>	<b>0</b>	<b>1007</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>998</b>	<b>5</b>	<b>998</b>	<b>0</b>	<b>998</b>	<b>237</b>	<b>81</b>	<b>0</b>
Région Nord-Est	56	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	47	0	0	0	0	0	57	0	43	0	0	0	0	0	45	2	41	0	N.A.	N.A.	41	0
Centre-du-Québec	21	0	0	0	0	0	21	0	23	0	0	0	0	0	21	0	23	0	N.A.	N.A.	23	0
Montréal-Laval	364	0	0	0	0	0	362	1	287	0	0	0	0	0	341	5	281	0	N.A.	N.A.	281	0
Ouest du Québec	32	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
<b>Province of Québec</b>	<b>520</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>519</b>	<b>1</b>	<b>353</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>407</b>	<b>7</b>	<b>345</b>	<b>0</b>	<b>N.A.</b>	<b>N.A.</b>	<b>345</b>	<b>0</b>
P.H.O.L. - Ottawa	24	0	0	0	0	0	24	0	24	0	0	0	0	0	24	0	24	0	24	0	24	0
CHEO - Ottawa	394	0	0	1	1	10	191	2	89	0	0	0	0	0	89	0	89	0	89	8	89	0
P.H.O.L. - Kingston	70	0	0	0	0	0	70	0	70	0	0	0	0	0	70	2	70	0	70	34	70	0
UHN / Mount Sinai Hospital	0	0	0	0	0	0	0	0	40	0	1	0	0	0	0	0	0	0	0	0	40	0
P.H.O.L. - Toronto	469	0	0	0	0	0	469	1	469	0	0	0	0	0	470	1	469	0	469	8	469	1
Sick Kids Hospital - Toronto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunnybrook & Women's College HSC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.H.O.L. - Saull Ste. Marie	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
P.H.O.L. - Timmins	19	0	0	0	0	0	19	0	19	0	0	0	0	0	19	0	19	0	19	4	19	0
St. Joseph's - London	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.H.O.L. - London	63	0	0	0	0	0	63	0	63	0	0	0	0	0	63	0	59	0	63	1	59	0
P.H.O.L. - Orillia	10	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	10	0	10	0	10	0
P.H.O.L. - Thunder Bay	109	0	0	0	0	0	109	0	109	0	0	0	0	0	109	1	109	0	109	52	109	0
P.H.O.L. - Sudbury	25	0	0	0	0	0	25	0	25	0	0	0	0	0	25	0	25	0	25	0	25	0
P.H.O.L. - Hamilton	80	0	0	0	0	0	76	0	76	0	0	0	0	0	76	0	76	0	76	5	76	0
P.H.O.L. - Peterborough	43	0	0	0	0	0	43	0	43	0	0	0	0	0	43	0	43	0	43	0	43	0
St. Joseph's - Hamilton	250	0	0	0	0	0	250	0	250	0	0	0	0	0	250	0	250	0	250	21	0	0
<b>Province of Ontario</b>	<b>1559</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>1352</b>	<b>3</b>	<b>1290</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1251</b>	<b>4</b>	<b>1246</b>	<b>0</b>	<b>1250</b>	<b>133</b>	<b>1036</b>	<b>1</b>
Manitoba	1985	0	0	0	0	0	1985	3	321	0	1	0	0	0	321	7	296	0	321	33	296	1
Regina	227	0	0	0	0	0	227	1	221	0	0	0	0	0	221	1	221	0	221	32	221	0
Saskatoon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Province of Saskatchewan	227	0	0	0	0	0	227	1	221	0	0	0	0	0	221	1	221	0	221	32	221	0
Province of Alberta	10138	0	0	0	0	0	10138	0	10138	1	10	0	1	0	10138	21	10138	4	10138	808	10138	2
<b>Prairies</b>	<b>12354</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12350</b>	<b>4</b>	<b>10680</b>	<b>1</b>	<b>11</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>10680</b>	<b>29</b>	<b>10655</b>	<b>4</b>	<b>10680</b>	<b>873</b>	<b>10655</b>	<b>3</b>
<b>British Columbia</b>	<b>3473</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3474</b>	<b>0</b>	<b>638</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>632</b>	<b>7</b>	<b>638</b>	<b>3</b>	<b>581</b>	<b>56</b>	<b>581</b>	<b>0</b>
Yukon	827	0	0	0	0	0	656	2	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Northwest Territories	120	0	0	0	0	0	120	0	120	0	0	0	0	0	120	0	120	0	120	40	120	0
Nunavut	489	0	0	0	0	0	489	0	489	1	1	0	0	0	489	5	489	4	489	112	67	0
<b>Territories</b>	<b>1436</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1265</b>	<b>2</b>	<b>609</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>609</b>	<b>5</b>	<b>609</b>	<b>4</b>	<b>609</b>	<b>152</b>	<b>187</b>	<b>0</b>
<b>CANADA</b>	<b>20359</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>19977</b>	<b>10</b>	<b>14577</b>	<b>2</b>	<b>13</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>14577</b>	<b>57</b>	<b>14491</b>	<b>11</b>	<b>14118</b>	<b>1451</b>	<b>12885</b>	<b>4</b>

Specimens from YT, NT and NU are sent to reference laboratories in other provinces and reported results reflect specimens identified as originating from YT, NT or NU.

Results from British Columbia comprise of specimens from the following sites: BC Children's and Women's Hospital, Children's and Women's Hospital Laboratory, Fraser Health Medical Microbiology Laboratory, Island Health, Providence Health Care, Powell River Hospital, St. Paul's Hospital, Vancouver General Hospital, Victoria General Hospital, Victoria Coastal Health, BCCDC P

Delays in the reporting of data may cause data to change retrospectively. Due to reporting delays, the sum of weekly report totals do not add up to cumulative totals.

For BC, only data from subtyped influenza A specimens are included in the weekly number of influenza detections and so the sum of A(H1N1)pdm09, A(H3), and A(UnS) positive results may not equal the sum of total Flu A positive results.

Figure 1: Number positive laboratory tests for other respiratory viruses by report week, Canada, 2020-21

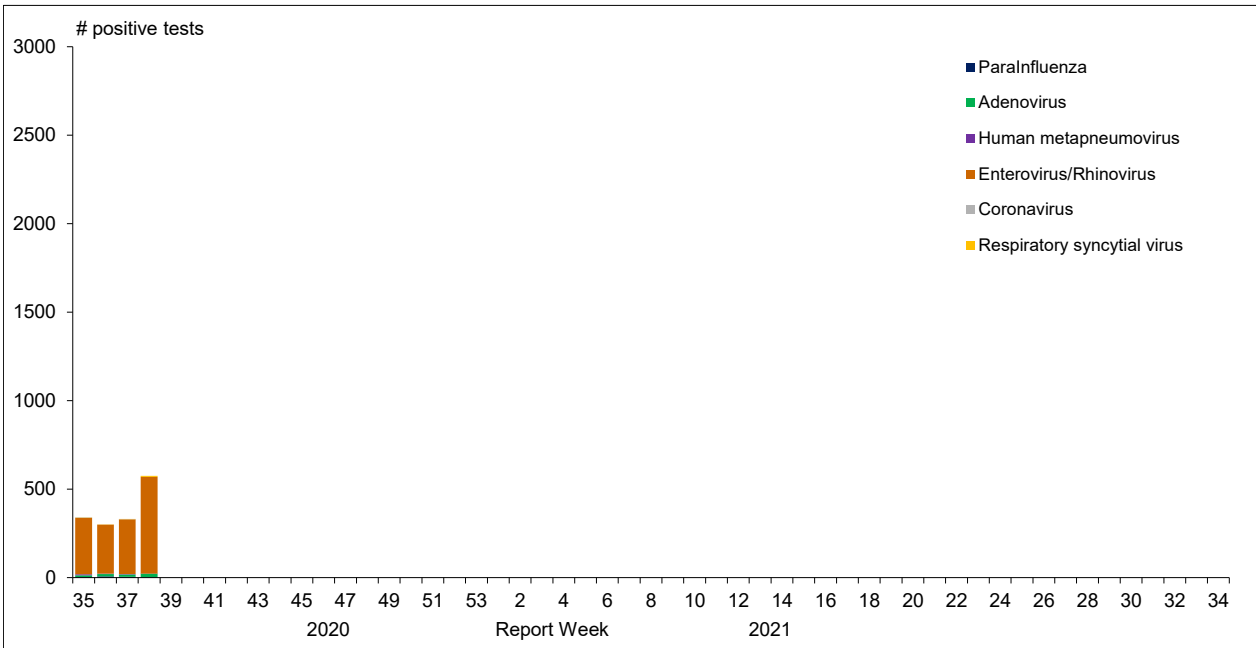


Figure 2 : Positive Influenza Tests (%) in Canada by Region by Week of Report

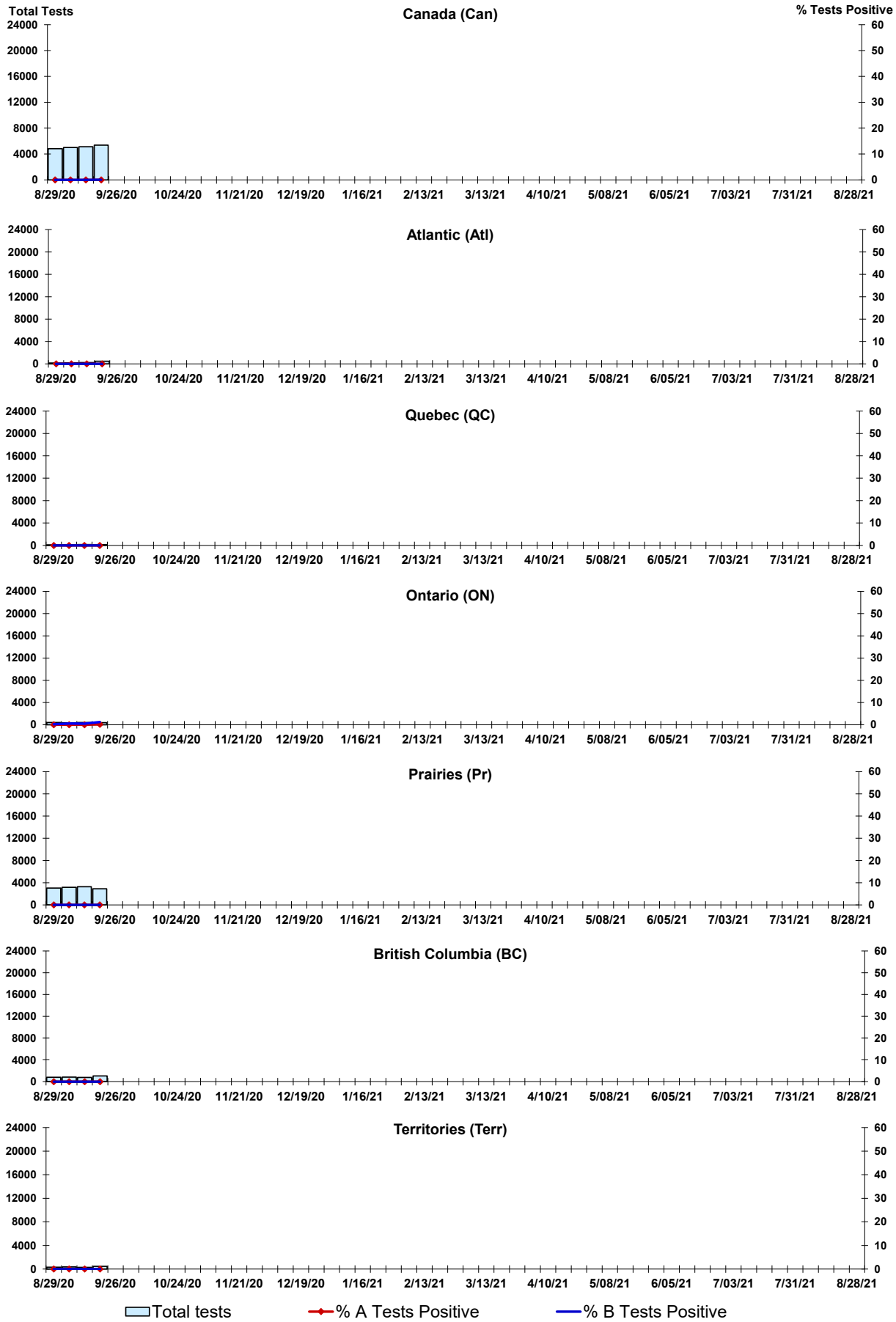


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

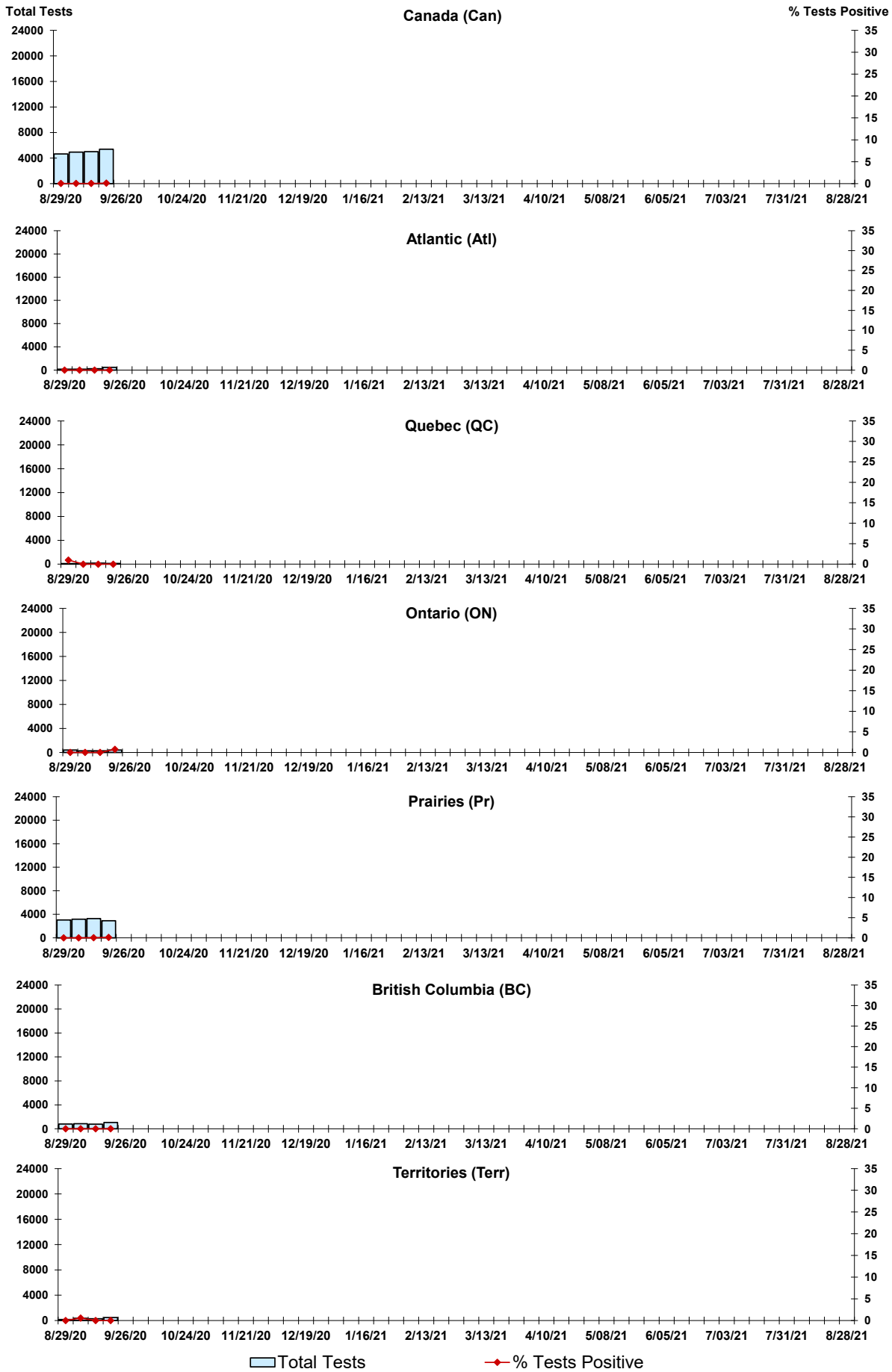
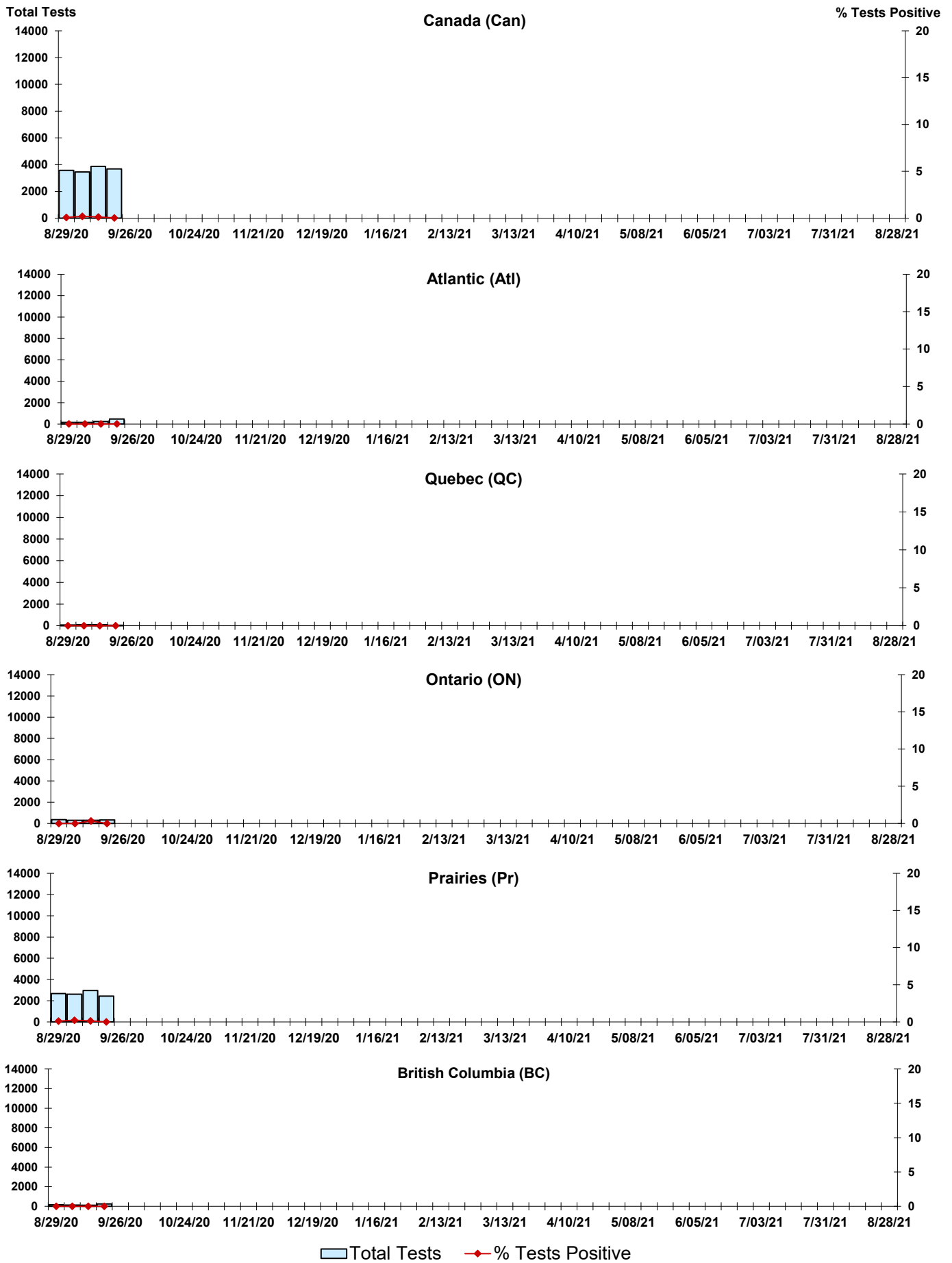


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report



Legend: Total Tests (light blue bar), % Tests Positive (red line with diamond)

Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

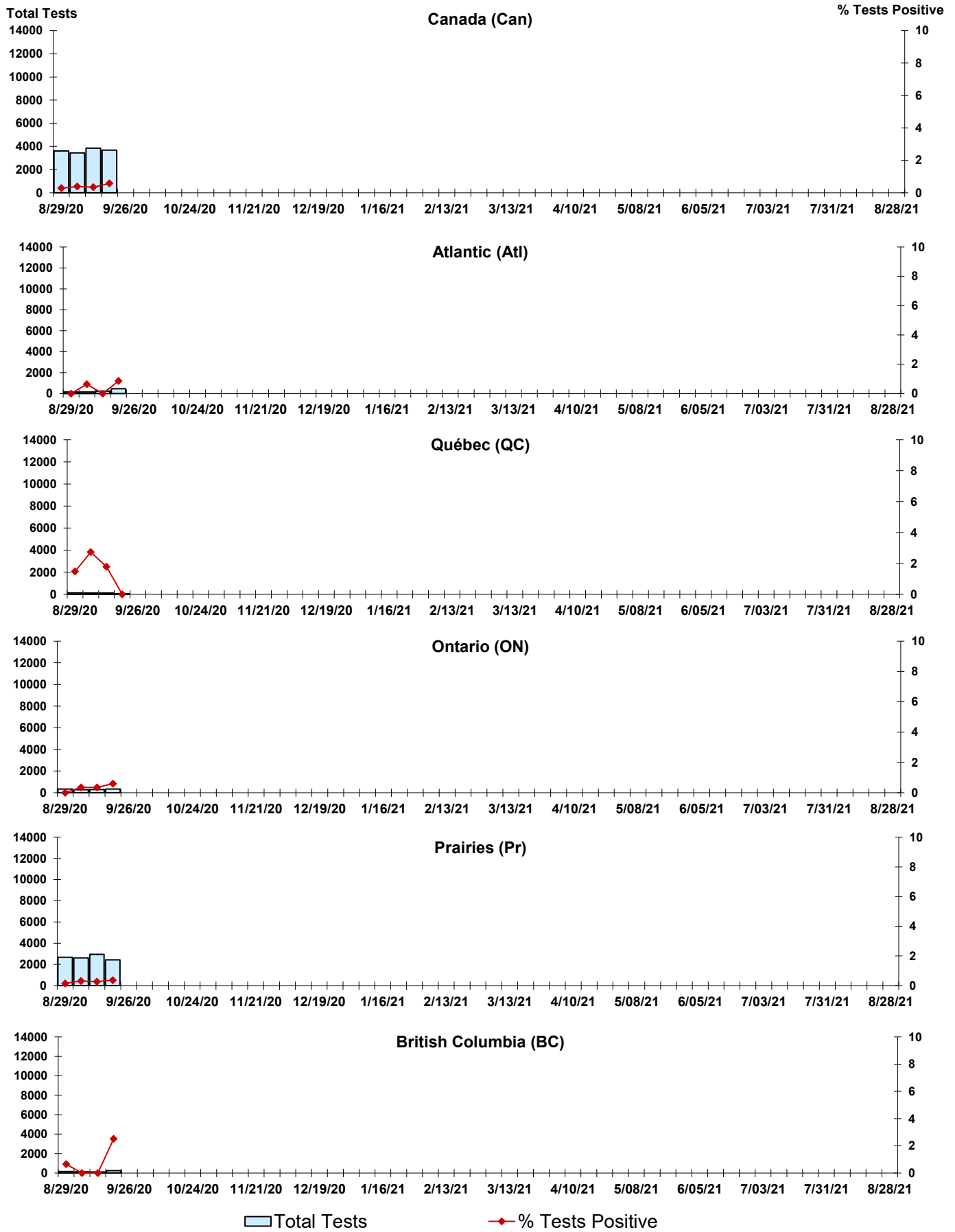


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

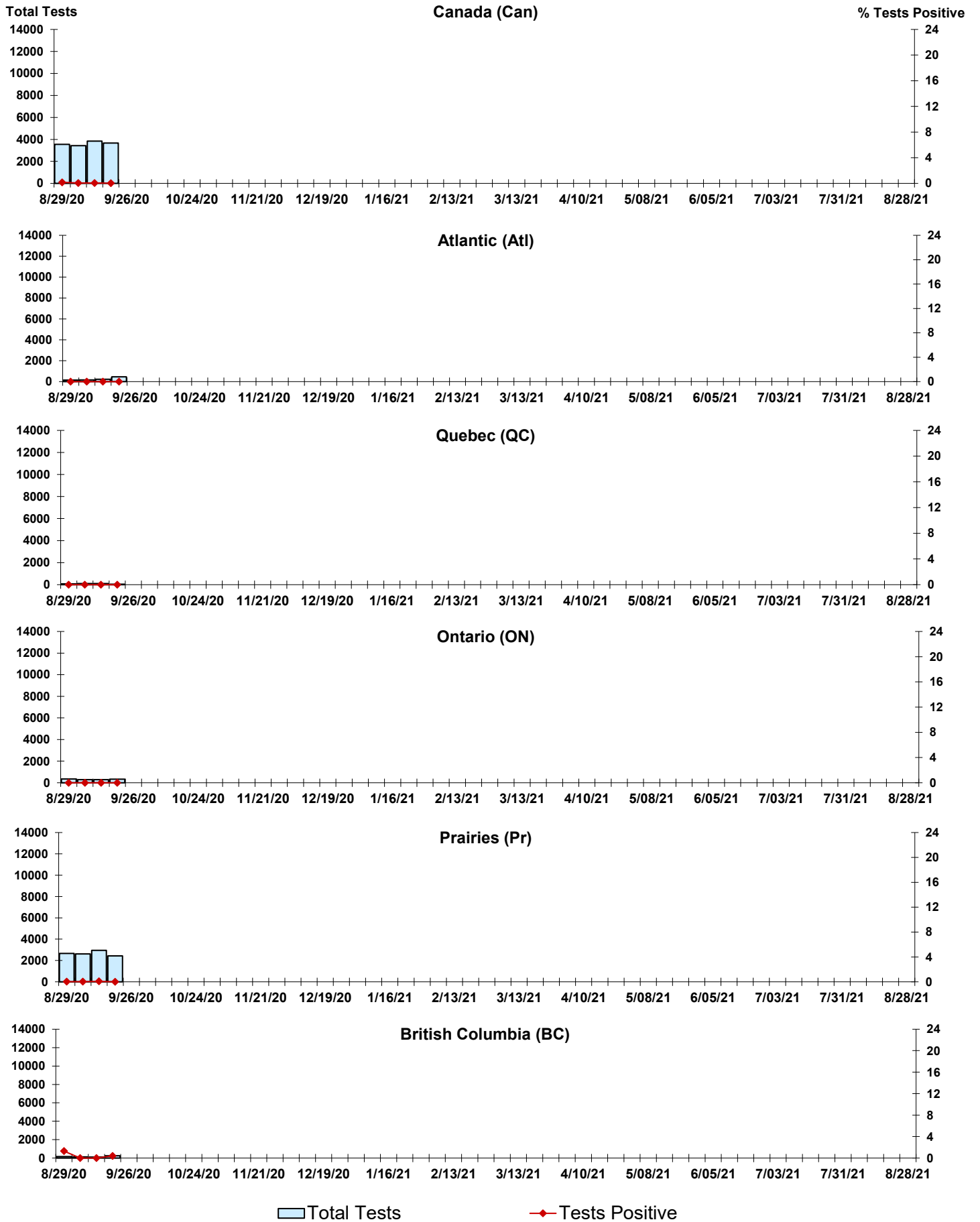
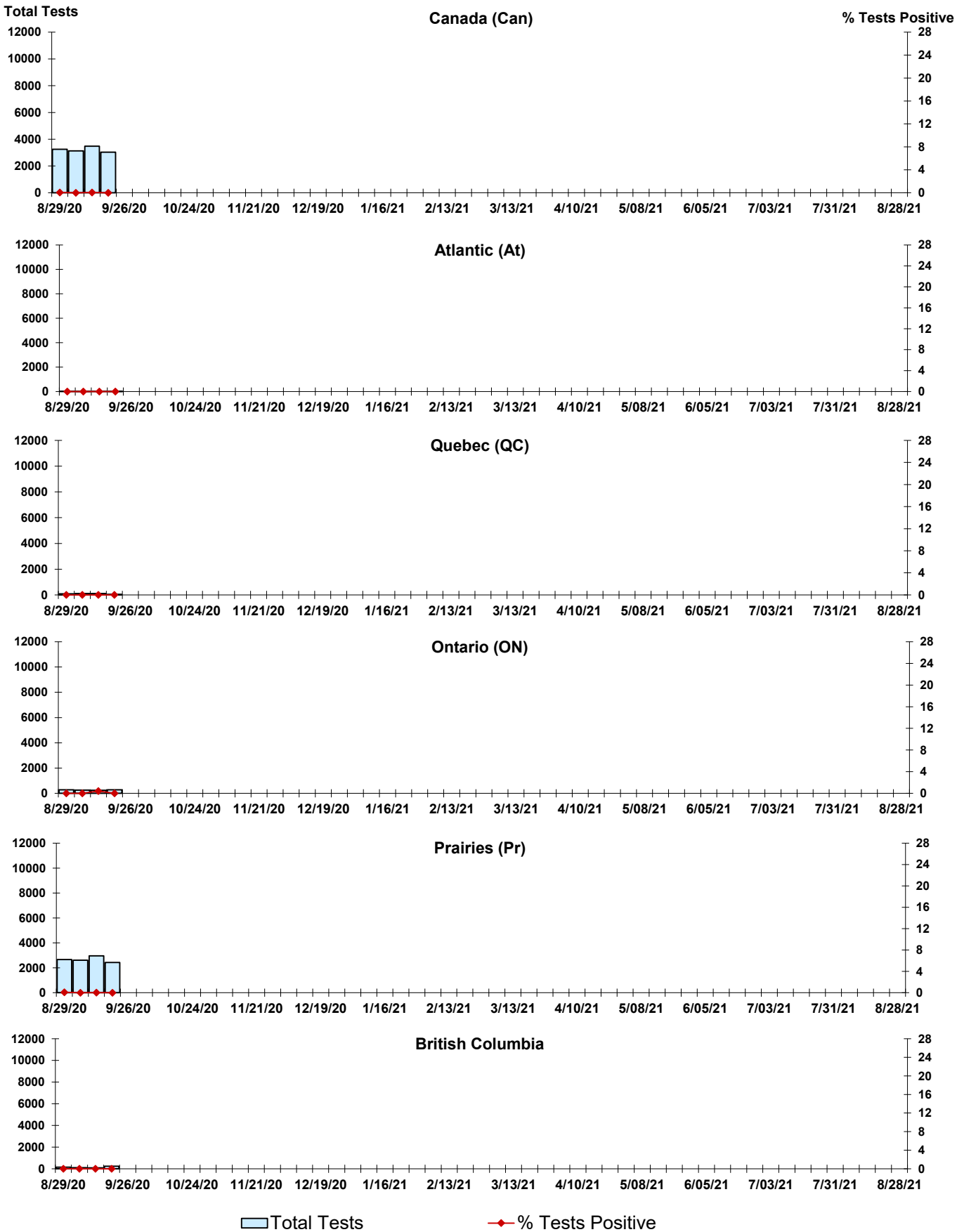




Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report



Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



## Abbreviations:

A(H1N1)pdm09: Influenza A(H1N1)pdm09

A(H3): Influenza A(H3N2)

A (UnS): Influenza A (Unsubtyped)

Adeno: Adenovirus

CHEO: Children's Hospital of Eastern Ontario

Coron: Coronavirus

Entero: Enterovirus

hMPV: human metapneumovirus

HSC: Health Sciences Centre

N.A.: Not Applicable

P.H.L.: Public Health Laboratory

P.H.O.L.: Public Health Ontario Laboratory

PIV: Parainfluenza

Rhino: Rhinovirus

RSV: Respiratory syncytial virus

UHN: University Health Network

## Notes:

Specimens from Yukon (YT), Northwest Territories (NT) and Nunavut (NU) are sent to reference laboratories in other provinces. Results reported for the Territories reflect the number of specimens that are identified as originating from YT, NT or NU.

Delays in the reporting of data may cause data to change retrospectively.

Due to reporting delays, the sum of weekly report totals do not add up to cumulative totals.

