

# Respiratory Virus Detections in Canada

## Respiratory Virus Report, Week 34 - ending August 24, 2019

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.

**Table 1: Respiratory Virus Detections/Isolations for the week ending August 24, 2019 (Reporting Week 201934)**

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	29	0	0	0	0	0	29	0	29	0	0	0	0	0	29	0	29	0	29	8	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	9	0	0	0	0	0	9	0	2	0	0	0	0	0	2	0	2	0	2	0	2	0
New Brunswick	84	0	0	1	1	0	84	0	34	0	0	0	0	0	34	0	34	0	34	1	34	0
<b>Atlantic</b>	<b>122</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>122</b>	<b>0</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>65</b>	<b>0</b>	<b>65</b>	<b>0</b>	<b>65</b>	<b>9</b>	<b>36</b>	<b>0</b>
Région Nord-Est	15	0	0	0	0	0	14	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	48	0	0	0	0	0	54	0	66	0	0	0	0	0	69	2	0	0	N.A.	N.A.	63	0
Centre-du-Québec	16	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	404	0	0	1	1	2	419	0	354	2	0	1	1	0	354	16	0	0	N.A.	N.A.	342	1
Ouest du Québec	17	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	16	0	0	1	1	0	16	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
<b>Province of Québec</b>	<b>516</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>536</b>	<b>1</b>	<b>420</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>423</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>N.A.</b>	<b>N.A.</b>	<b>405</b>	<b>1</b>
Ottawa P.H.L.	13	0	0	0	0	0	13	0	12	0	0	2	0	0	12	0	10	0	2	0	0	0
CHEO - Ottawa	56	0	0	0	0	1	56	1	16	0	0	0	1	0	16	0	16	0	16	2	15	0
Kingston P.H.L.	9	0	0	0	0	0	9	0	7	0	0	0	0	0	7	0	7	0	0	0	0	0
UHN / Mount Sinai Hospital	142	0	0	3	3	1	142	2	16	0	0	0	0	0	0	0	16	1	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	151	5	2	0	7	0	150	1	139	0	0	0	0	0	139	1	123	0	17	0	0	0
Sick Kids Hospital - Toronto	37	0	0	0	0	0	37	0	37	1	0	0	0	0	37	1	37	1	37	9	37	1
Sunnybrook & Women's College HSC	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	7	0	7	0
Sault Ste. Marie P.H.L.	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0
Timmins P.H.L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Joseph's - London	25	0	0	0	0	0	25	0	25	1	0	0	0	0	25	0	25	0	23	3	23	0
London P.H.L.	33	0	0	0	0	0	33	0	31	0	0	0	0	0	31	0	31	0	0	0	0	0
Orillia P.H.L.	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	2	0	1	0	0	0
Thunder Bay P.H.L.	6	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	6	0	0	0	0	0
Sudbury P.H.L.	4	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	4	0	0	0	0	0
Hamilton P.H.L.	28	0	0	0	0	0	28	1	27	1	0	1	0	0	27	0	26	0	1	0	0	0
Peterborough P.H.L.	12	0	1	0	1	0	12	0	11	0	0	0	0	0	11	0	9	0	2	0	0	0
<b>Province of Ontario</b>	<b>528</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>11</b>	<b>2</b>	<b>527</b>	<b>5</b>	<b>343</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>327</b>	<b>2</b>	<b>321</b>	<b>2</b>	<b>106</b>	<b>14</b>	<b>82</b>	<b>1</b>
Manitoba	123	0	0	0	0	0	123	0	98	0	0	1	0	0	98	1	41	0	98	11	41	1
Regina	94	0	0	0	0	0	94	0	37	0	0	0	0	0	37	0	37	0	37	10	37	0
Saskatoon	52	0	0	1	1	1	52	15	52	0	0	1	0	0	52	2	52	0	52	17	52	0
Province of Saskatchewan	146	0	0	1	1	1	146	15	89	0	0	1	0	0	89	2	89	0	89	27	89	0
Province of Alberta	432	2	2	0	4	1	404	0	404	12	0	4	3	0	404	7	404	0	404	80	404	0
<b>Prairies</b>	<b>701</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>673</b>	<b>15</b>	<b>591</b>	<b>12</b>	<b>0</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>591</b>	<b>10</b>	<b>534</b>	<b>0</b>	<b>591</b>	<b>118</b>	<b>534</b>	<b>1</b>
<b>British Columbia</b>	<b>218</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>218</b>	<b>1</b>	<b>131</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>131</b>	<b>0</b>	<b>131</b>	<b>0</b>	<b>117</b>	<b>21</b>	<b>117</b>	<b>1</b>
Yukon	3	0	2	0	2	0	3	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	8	0	0	0	0	0	8	0	8	0	0	0	0	0	8	0	8	0	8	3	8	0
Nunavut	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
<b>Territories</b>	<b>12</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>3</b>	<b>9</b>	<b>0</b>
<b>CANADA</b>	<b>2097</b>	<b>7</b>	<b>12</b>	<b>7</b>	<b>26</b>	<b>6</b>	<b>2088</b>	<b>22</b>	<b>1559</b>	<b>20</b>	<b>0</b>	<b>12</b>	<b>5</b>	<b>0</b>	<b>1546</b>	<b>30</b>	<b>1060</b>	<b>2</b>	<b>888</b>	<b>165</b>	<b>1183</b>	<b>4</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, Powell River Hospital, St. Paul's Hospital, Vancouver General Hospital, Victoria General Hospital, Interior Health Authority sites and Northern Health Authority sites.

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



Figure 1: Number positive laboratory tests for other respiratory viruses by report week, Canada, 2018-19

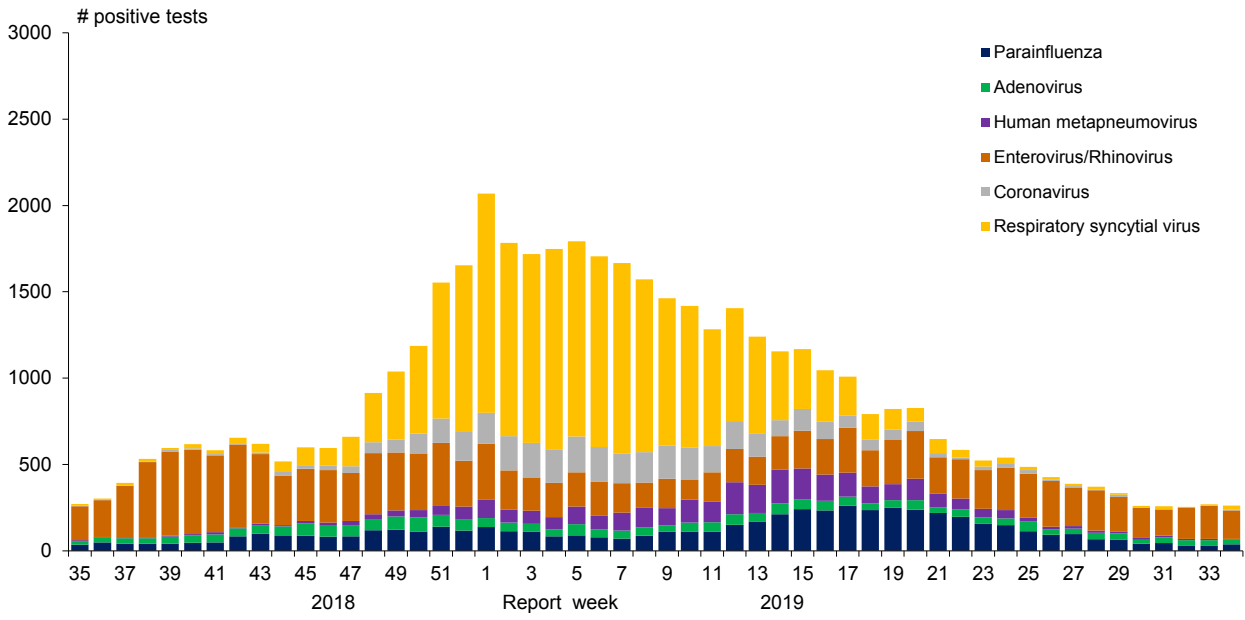


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

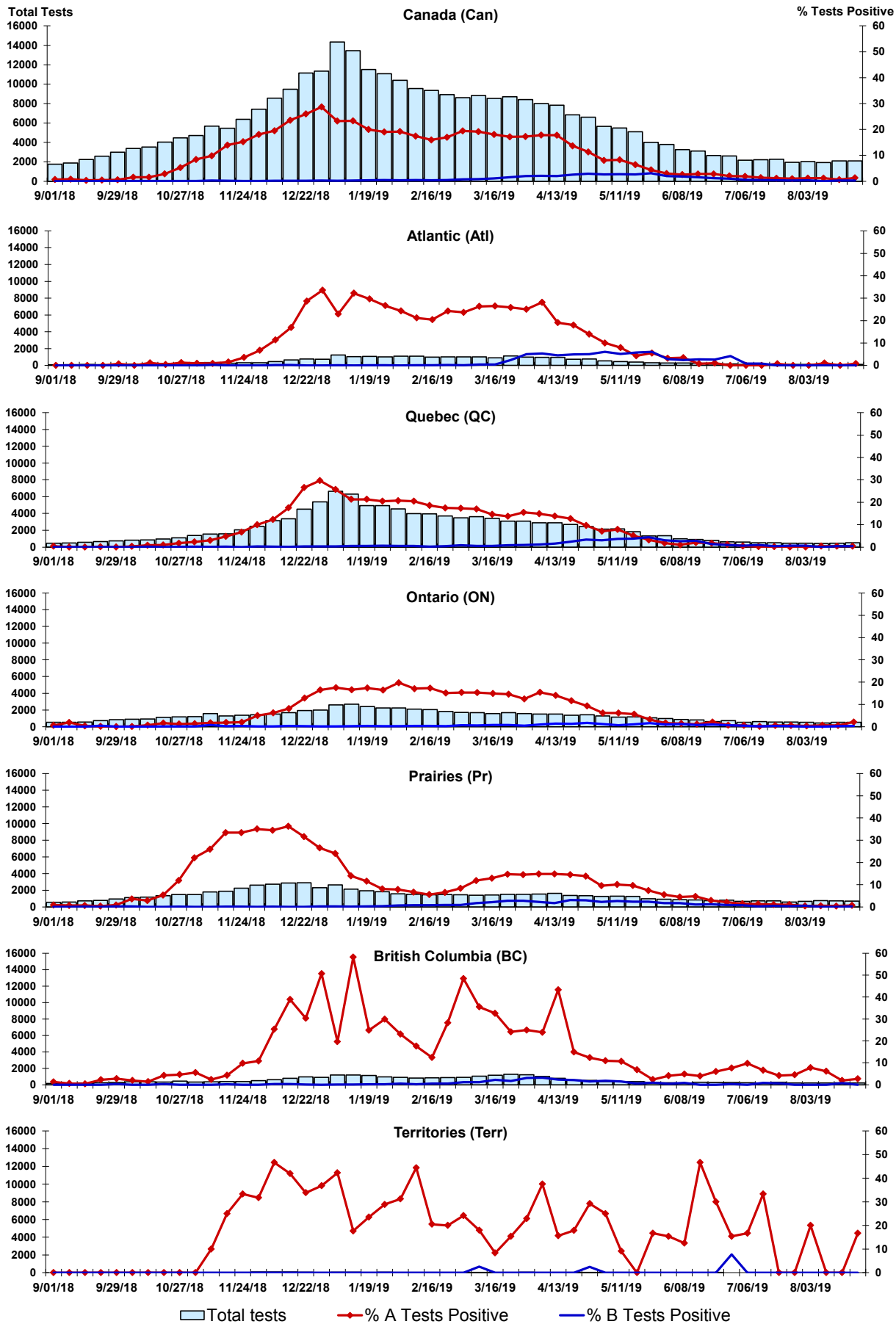


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

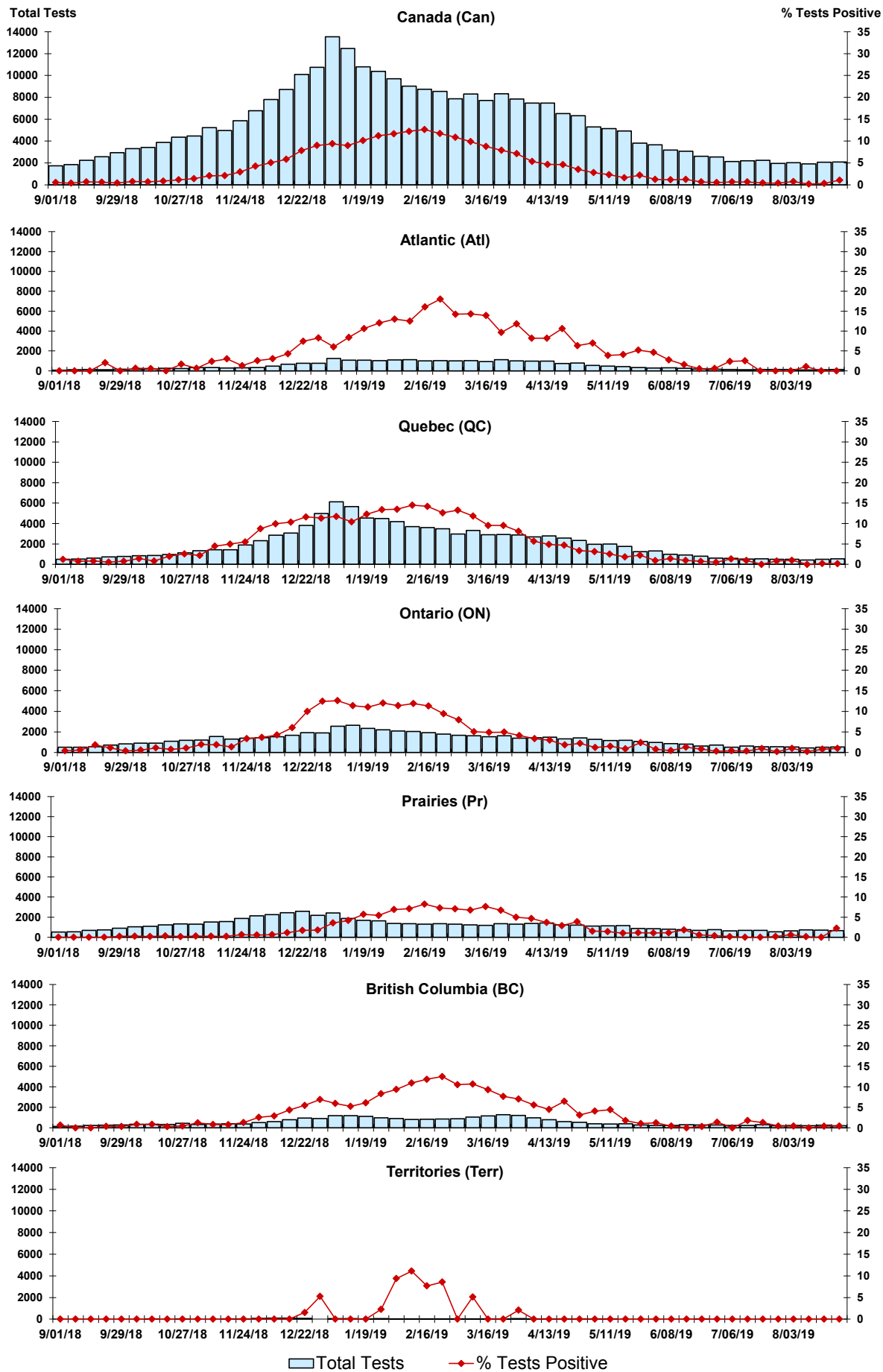


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

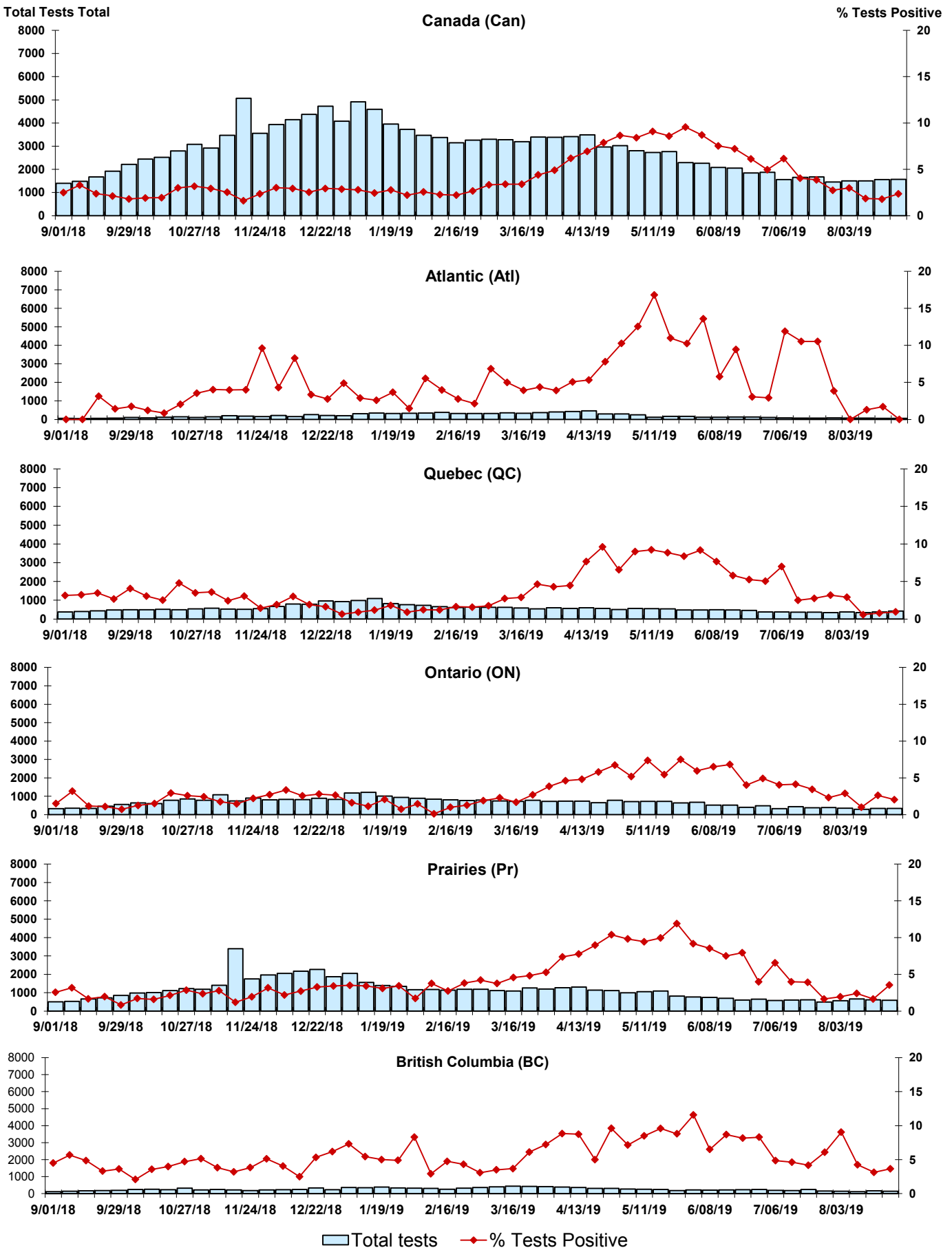


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

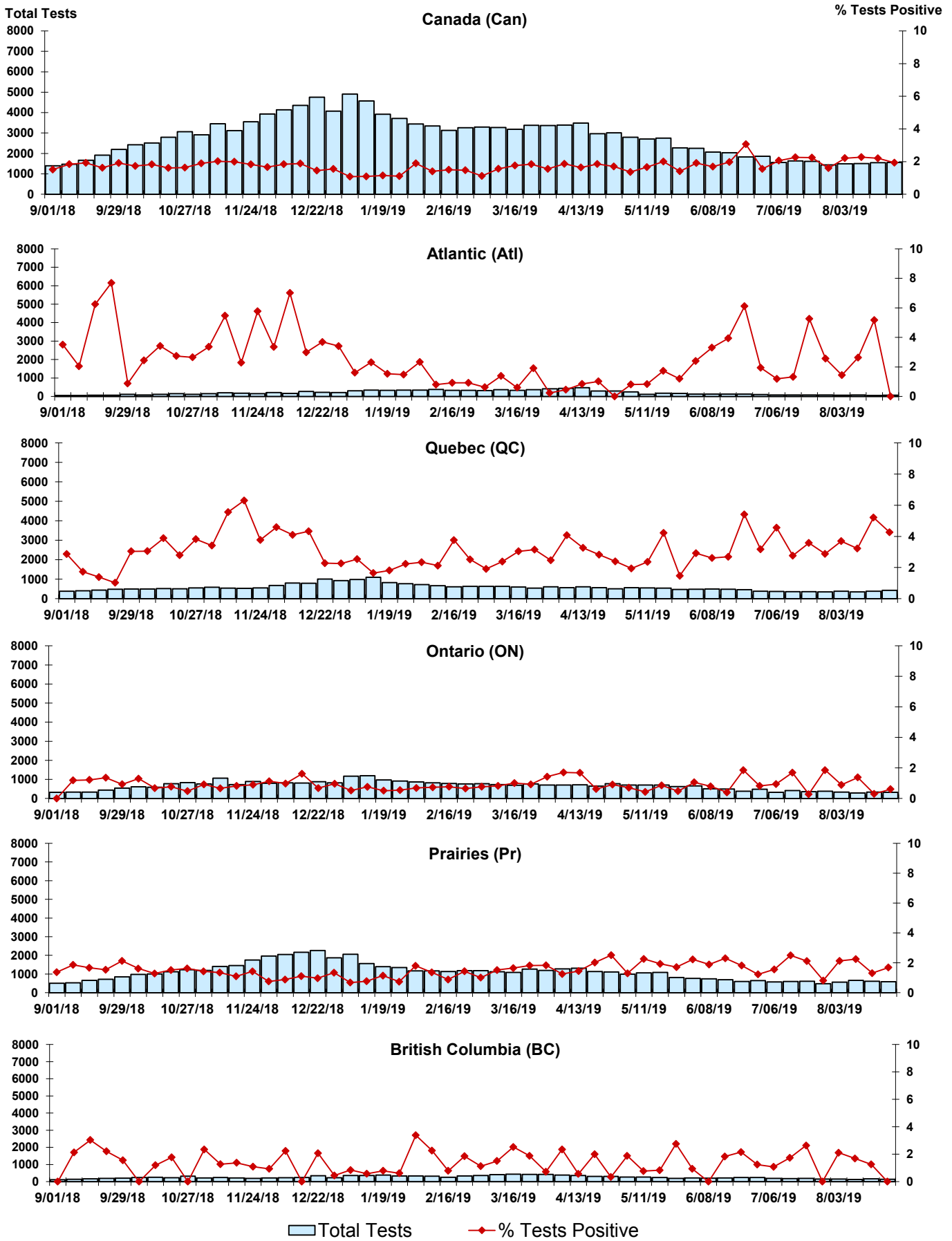
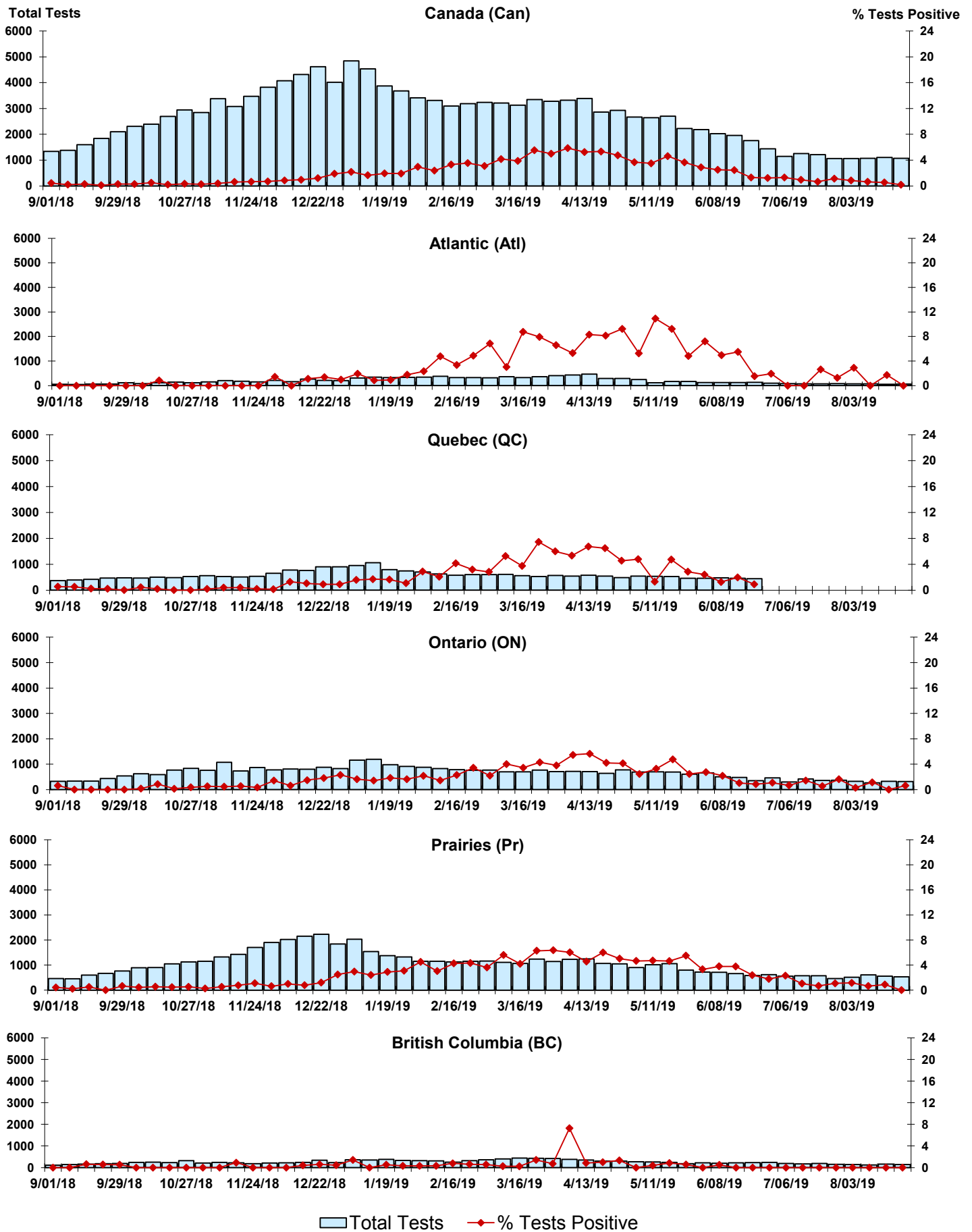


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report



Legend: █ Total Tests    ◆ % Tests Positive



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

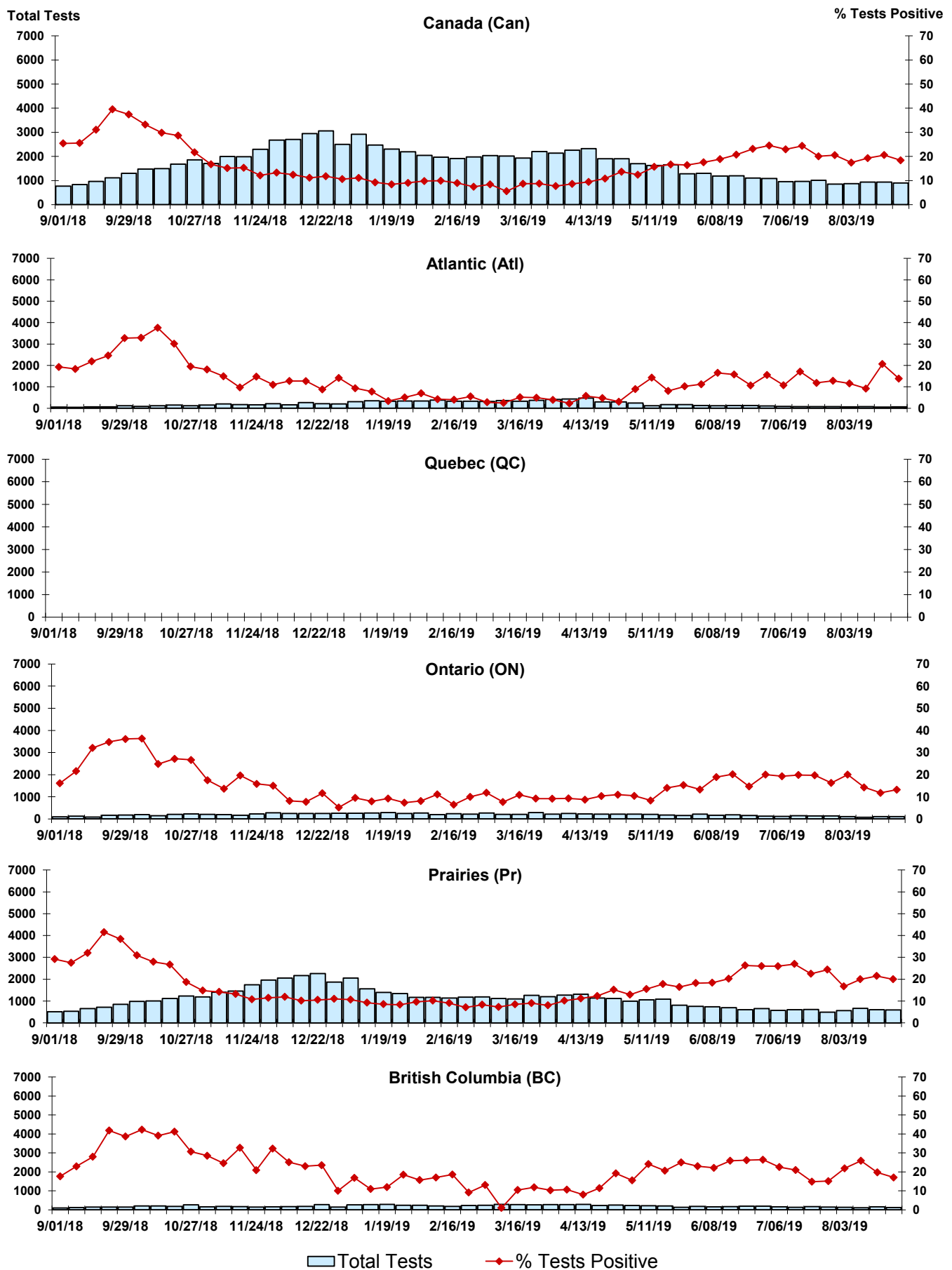
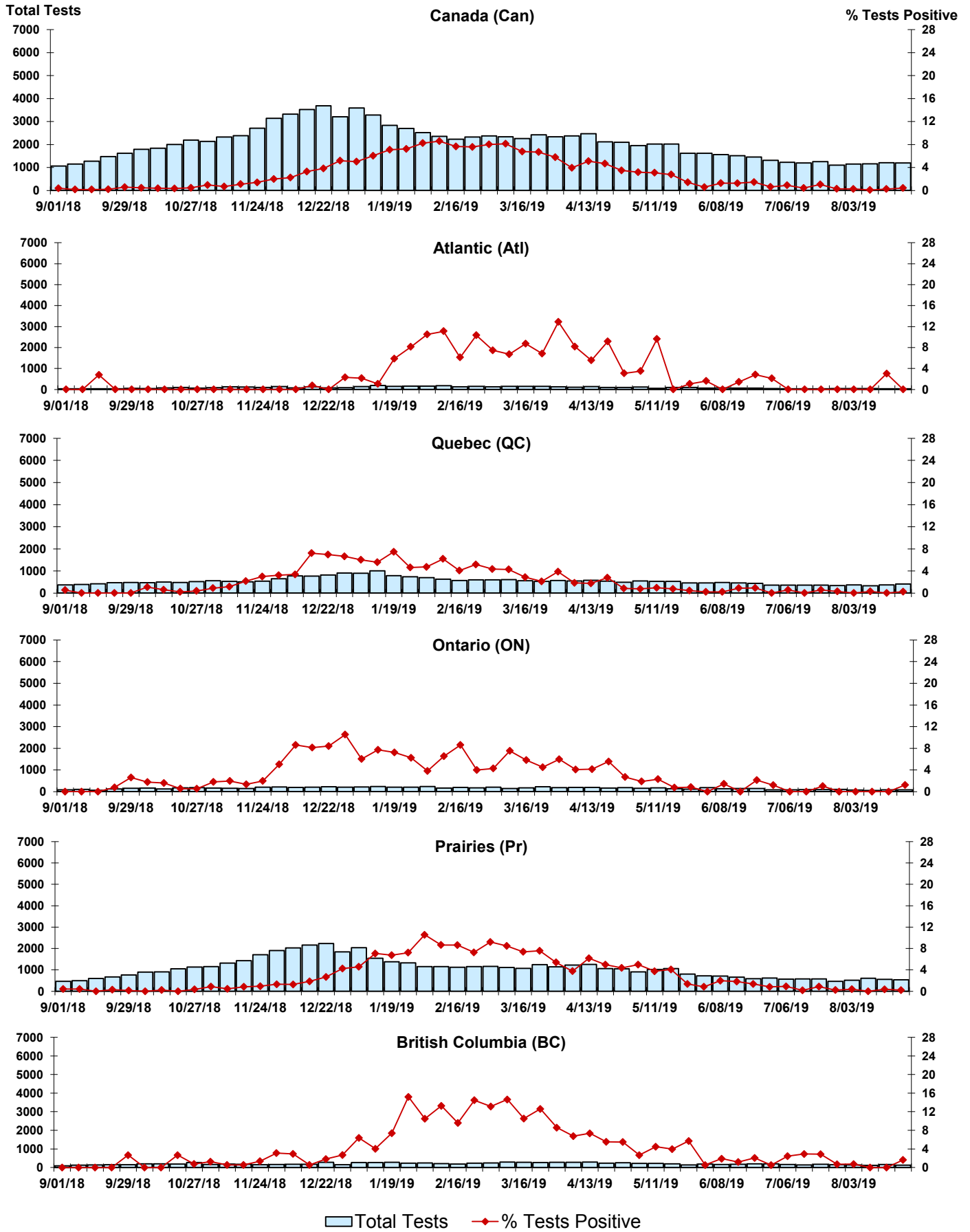


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



## 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.