

# Respiratory Virus Report, Week 36 - ending September 5, 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 5, 2020 (Reporting Week 202036)**

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	132	0	0	0	0	0	132	0	132	0	0	0	0	0	132	0	132	0	132	7	N.A.	N.A.
Prince Edward Island	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	1	0	0
Nova Scotia	9	0	0	0	0	0	9	0	7	0	0	0	0	0	7	0	7	0	7	0	7	0
New Brunswick	27	0	0	0	0	0	27	0	16	0	0	0	0	0	16	1	16	0	16	3	0	0
<b>Atlantic</b>	<b>169</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>169</b>	<b>0</b>	<b>156</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>156</b>	<b>1</b>	<b>156</b>	<b>0</b>	<b>156</b>	<b>11</b>	<b>7</b>	<b>0</b>
Région Nord-Est	10	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	4	0	0	0	0	0	13	0	9	0	0	0	0	0	9	0	7	0	N.A.	N.A.	7	0
Centre-du-Québec	4	0	0	0	0	0	4	0	3	0	0	0	0	0	3	0	3	0	N.A.	N.A.	3	0
Montréal-Laval	109	0	0	0	0	0	108	0	98	0	0	0	0	0	98	3	98	0	N.A.	N.A.	98	0
Ouest du Québec	6	0	0	0	0	0	5	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>133</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>139</b>	<b>0</b>	<b>110</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110</b>	<b>3</b>	<b>108</b>	<b>0</b>	<b>N.A.</b>	<b>N.A.</b>	<b>108</b>	<b>0</b>
P.H.O.L. - Ottawa	9	0	0	0	0	0	9	0	9	0	0	0	0	0	9	0	9	0	9	0	9	0
CHEO - Ottawa	78	0	0	0	0	2	0	0	13	0	0	0	0	0	13	0	13	0	13	0	13	0
P.H.O.L. - Kingston	13	0	0	0	0	0	13	0	13	0	0	0	0	0	13	0	13	0	13	7	13	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	N.A.	N.A.
P.H.O.L. - Toronto	115	0	0	0	0	0	115	0	115	0	0	0	0	0	115	0	115	0	115	1	115	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	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. - Timmins	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	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	26	0	0	0	0	0	26	0	26	0	0	0	0	0	26	0	23	0	26	0	23	0
P.H.O.L. - Orillia	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. - Thunder Bay	25	0	0	0	0	0	25	0	25	0	0	0	0	0	25	1	25	0	25	15	25	0
P.H.O.L. - Sudbury	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. - Hamilton	14	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	14	0	14	1	14	0
P.H.O.L. - Peterborough	14	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	14	0	14	0	14	0
St. Joseph's - Hamilton	51	0	0	0	0	0	51	0	51	0	0	0	0	0	51	0	51	0	51	2	0	0
<b>Province of Ontario</b>	<b>349</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>271</b>	<b>0</b>	<b>284</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>284</b>	<b>1</b>	<b>281</b>	<b>0</b>	<b>284</b>	<b>26</b>	<b>230</b>	<b>0</b>
Province of Manitoba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regina	27	0	0	0	0	0	27	0	35	0	0	0	0	0	35	0	35	0	35	4	35	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	27	0	0	0	0	0	27	0	35	0	0	0	0	0	35	0	35	0	35	4	35	0
Province of Alberta	2004	0	0	0	0	0	2004	0	2004	0	4	0	1	0	2004	6	2004	1	2004	122	2004	0
<b>Prairies</b>	<b>2031</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2031</b>	<b>0</b>	<b>2039</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2039</b>	<b>6</b>	<b>2039</b>	<b>1</b>	<b>2039</b>	<b>126</b>	<b>2039</b>	<b>0</b>
<b>British Columbia</b>	<b>839</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>839</b>	<b>0</b>	<b>122</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>122</b>	<b>0</b>	<b>122</b>	<b>0</b>	<b>108</b>	<b>5</b>	<b>108</b>	<b>0</b>
Yukon	203	0	0	0	0	0	203	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	6	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	6	0	6	0	6	0
Nunavut	105	0	0	0	0	0	105	0	105	0	0	0	0	0	105	0	105	0	105	19	0	0
<b>Territories</b>	<b>314</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>314</b>	<b>2</b>	<b>111</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>111</b>	<b>0</b>	<b>111</b>	<b>0</b>	<b>111</b>	<b>19</b>	<b>6</b>	<b>0</b>
<b>CANADA</b>	<b>3835</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3763</b>	<b>2</b>	<b>2822</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2822</b>	<b>11</b>	<b>2817</b>	<b>1</b>	<b>2698</b>	<b>187</b>	<b>2498</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 5, 2020 (Reporting Weeks 202035-202036)**

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	257	0	0	0	0	0	257	0	257	0	0	0	0	0	257	0	257	0	257	9	N.A.	N.A.
Prince Edward Island	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	1	0	0
Nova Scotia	20	0	0	0	0	0	20	0	18	0	0	0	0	0	18	0	18	0	18	1	18	0
New Brunswick	42	0	0	0	0	0	42	0	34	0	0	0	0	0	34	1	34	0	34	3	18	0
<b>Atlantic</b>	<b>320</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>320</b>	<b>0</b>	<b>310</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>310</b>	<b>1</b>	<b>310</b>	<b>0</b>	<b>310</b>	<b>14</b>	<b>36</b>	<b>0</b>
Région Nord-Est	20	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	23	0	0	0	0	0	32	0	25	0	0	0	0	0	25	1	23	0	N.A.	N.A.	23	0
Centre-du-Québec	6	0	0	0	0	0	6	0	11	0	0	0	0	0	11	0	11	0	N.A.	N.A.	11	0
Montréal-Laval	178	0	0	0	0	0	177	1	155	0	0	0	0	0	209	4	154	0	N.A.	N.A.	154	0
Ouest du Québec	10	0	0	0	0	0	9	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>237</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>239</b>	<b>1</b>	<b>191</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>245</b>	<b>5</b>	<b>188</b>	<b>0</b>	<b>N.A.</b>	<b>N.A.</b>	<b>188</b>	<b>0</b>
P.H.O.L. - Ottawa	17	0	0	0	0	0	17	0	17	0	0	0	0	0	17	0	17	0	17	0	17	0
CHEO - Ottawa	150	0	0	0	0	3	72	0	33	0	0	0	0	0	33	0	33	0	33	3	33	0
P.H.O.L. - Kingston	24	0	0	0	0	0	24	0	24	0	0	0	0	0	24	0	24	0	24	8	24	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	N.A.	N.A.
P.H.O.L. - Toronto	259	0	0	0	0	0	259	0	259	0	0	0	0	0	259	0	259	0	259	1	259	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. - Saui Ste. Marie	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	2	0	2	0
P.H.O.L. - Timmins	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	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	39	0	0	0	0	0	39	0	39	0	0	0	0	0	39	0	36	0	39	1	36	0
P.H.O.L. - Orillia	5	0	0	0	0	0	5	0	5	0	0	0	0	0	5	0	5	0	5	0	5	0
P.H.O.L. - Thunder Bay	50	0	0	0	0	0	50	0	50	0	0	0	0	0	50	1	50	0	50	22	50	0
P.H.O.L. - Sudbury	12	0	0	0	0	0	12	0	12	0	0	0	0	0	12	0	12	0	12	0	12	0
P.H.O.L. - Hamilton	41	0	0	0	0	0	37	0	37	0	0	0	0	0	37	0	37	0	37	1	37	0
P.H.O.L. - Peterborough	22	0	0	0	0	0	22	0	22	0	0	0	0	0	22	0	22	0	22	0	22	0
St. Joseph's - Hamilton	127	0	0	0	0	0	127	0	127	0	0	0	0	0	127	0	127	0	127	6	0	0
<b>Province of Ontario</b>	<b>749</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>667</b>	<b>0</b>	<b>628</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>628</b>	<b>1</b>	<b>625</b>	<b>0</b>	<b>628</b>	<b>42</b>	<b>498</b>	<b>0</b>
Manitoba	438	0	0	0	0	0	438	0	88	0	1	0	0	0	88	2	79	0	88	14	79	1
Regina	80	0	0	0	0	0	80	0	80	0	0	0	0	0	80	0	80	0	80	19	80	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	80	0	0	0	0	0	80	0	80	0	0	0	0	0	80	0	80	0	80	19	80	0
Province of Alberta	4453	0	0	0	0	0	4452	0	4452	1	5	0	1	0	4452	8	4452	2	4452	322	4452	1
<b>Prairies</b>	<b>4971</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4970</b>	<b>0</b>	<b>4620</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4620</b>	<b>10</b>	<b>4611</b>	<b>2</b>	<b>4620</b>	<b>355</b>	<b>4611</b>	<b>2</b>
British Columbia	1651	0	0	0	0	0	1651	0	276	0	0	0	0	0	276	1	276	2	251	16	251	0
Yukon	374	0	0	0	0	0	203	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	28	0	0	0	0	0	28	0	28	0	0	0	0	0	28	0	28	0	28	12	28	0
Nunavut	219	0	0	0	0	0	219	0	219	0	0	0	0	0	219	3	219	1	219	47	12	0
<b>Territories</b>	<b>621</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450</b>	<b>2</b>	<b>247</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>247</b>	<b>3</b>	<b>247</b>	<b>1</b>	<b>247</b>	<b>59</b>	<b>40</b>	<b>0</b>
<b>CANADA</b>	<b>8549</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>8297</b>	<b>3</b>	<b>6272</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>6326</b>	<b>21</b>	<b>6257</b>	<b>5</b>	<b>6056</b>	<b>486</b>	<b>5624</b>	<b>2</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

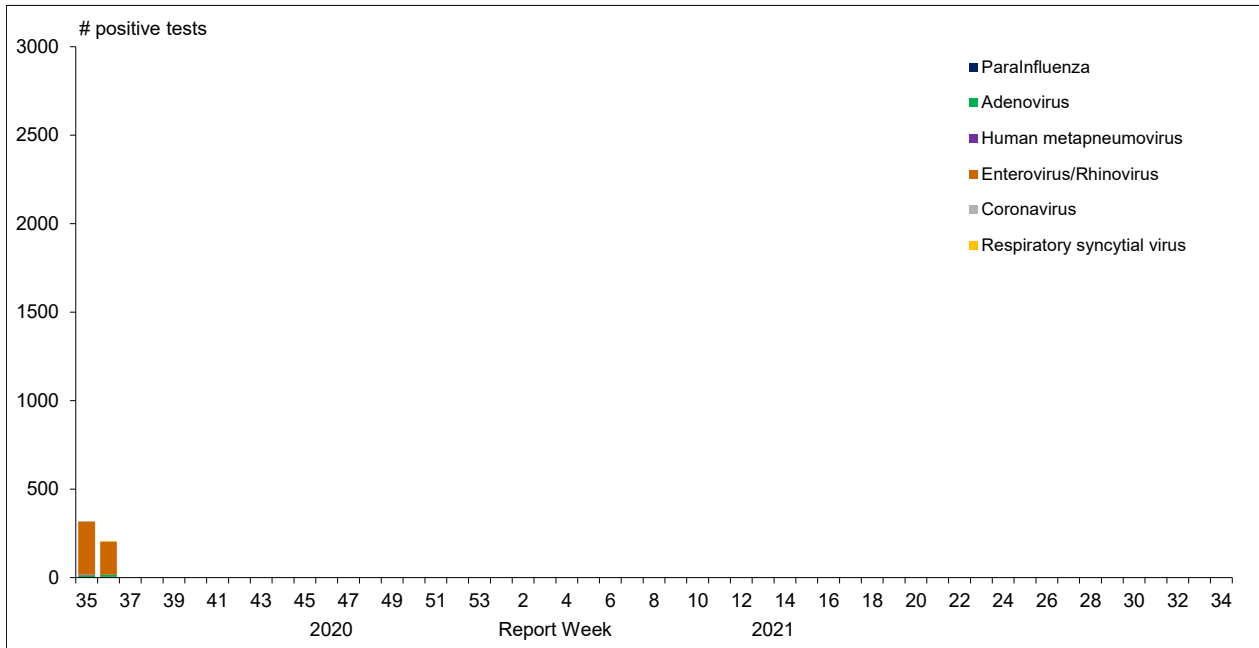


Figure 2 : Positive Influenza Tests (%) in Canada by Region by Week of Report

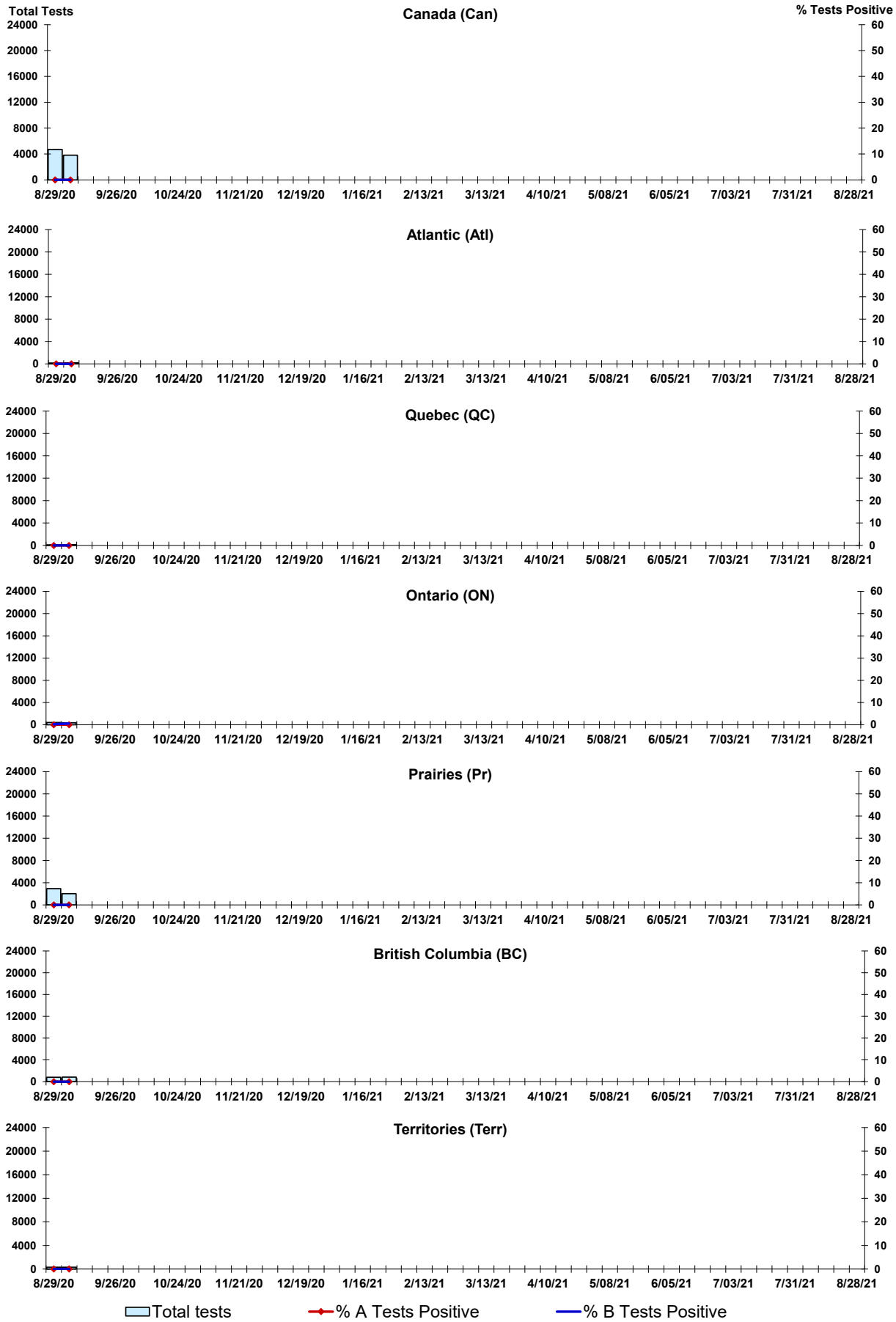


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

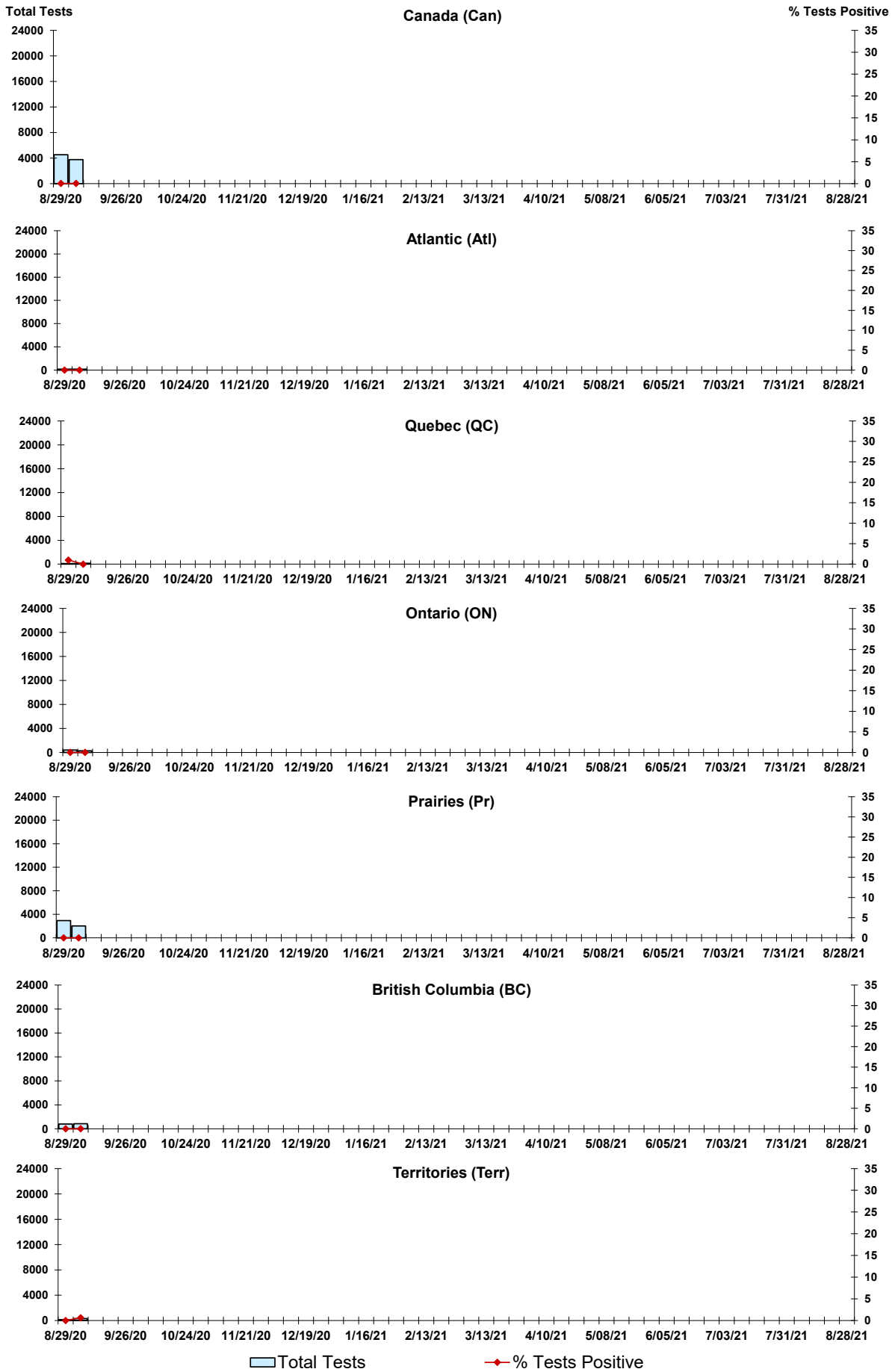
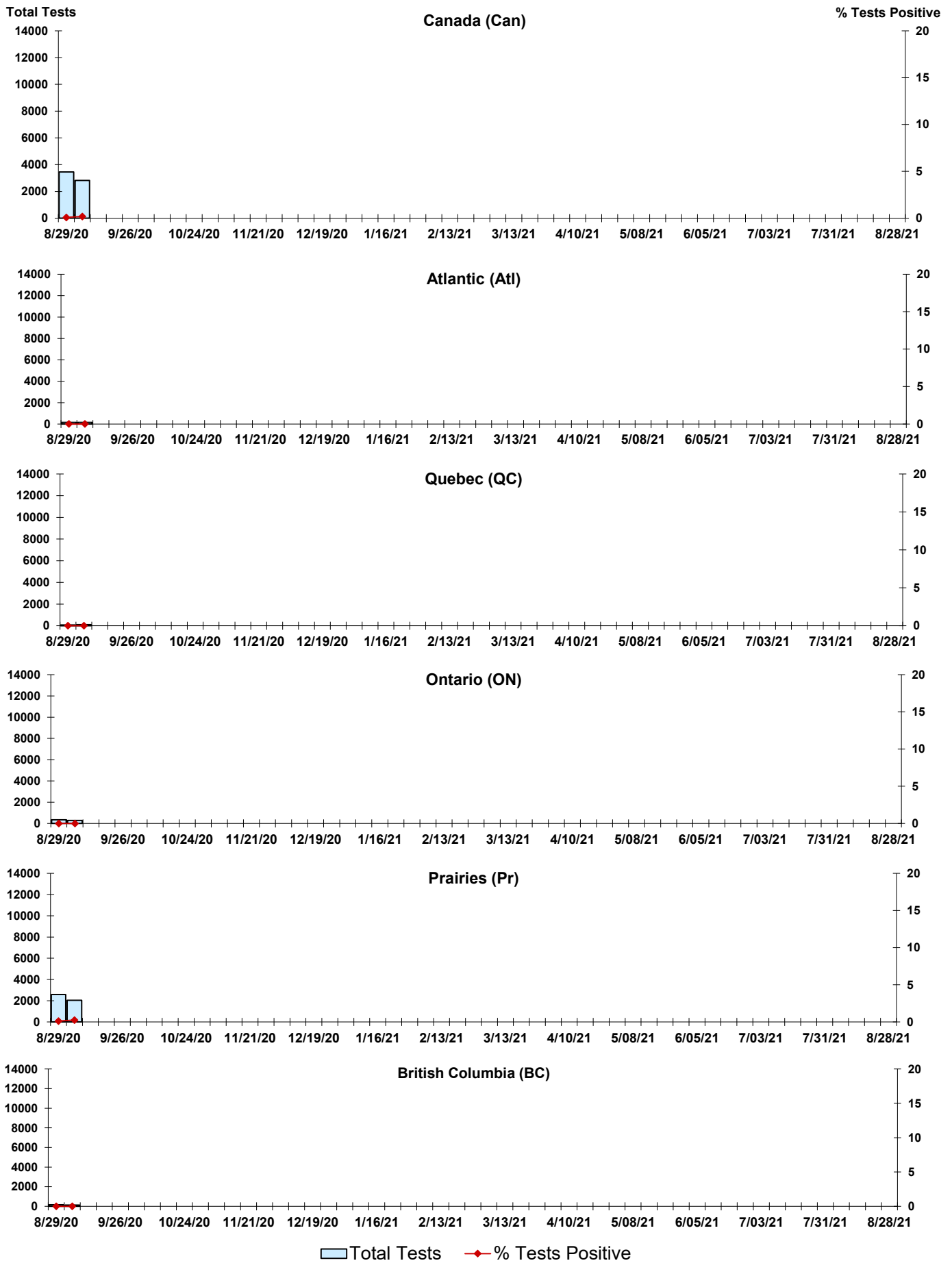


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report



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

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

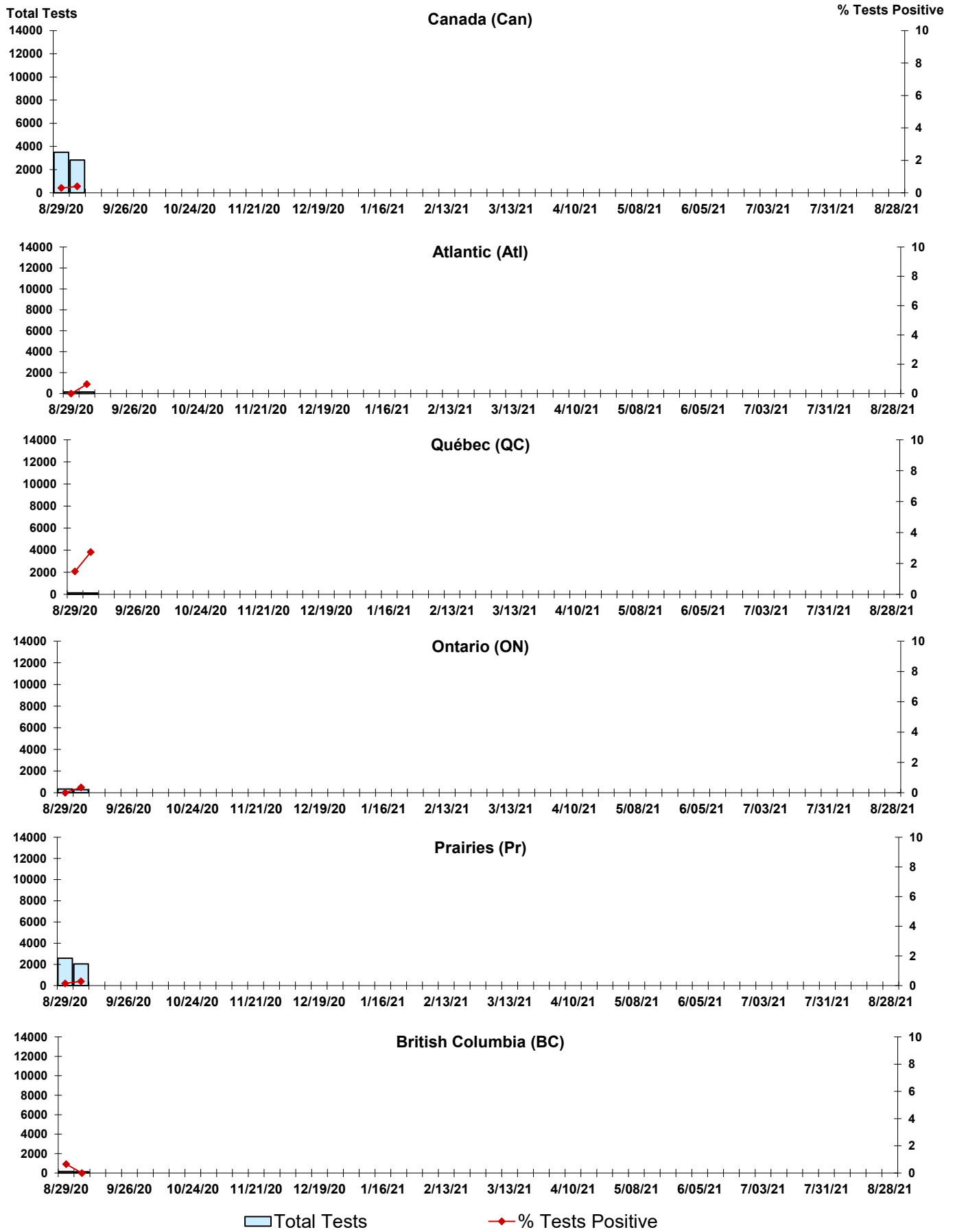


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

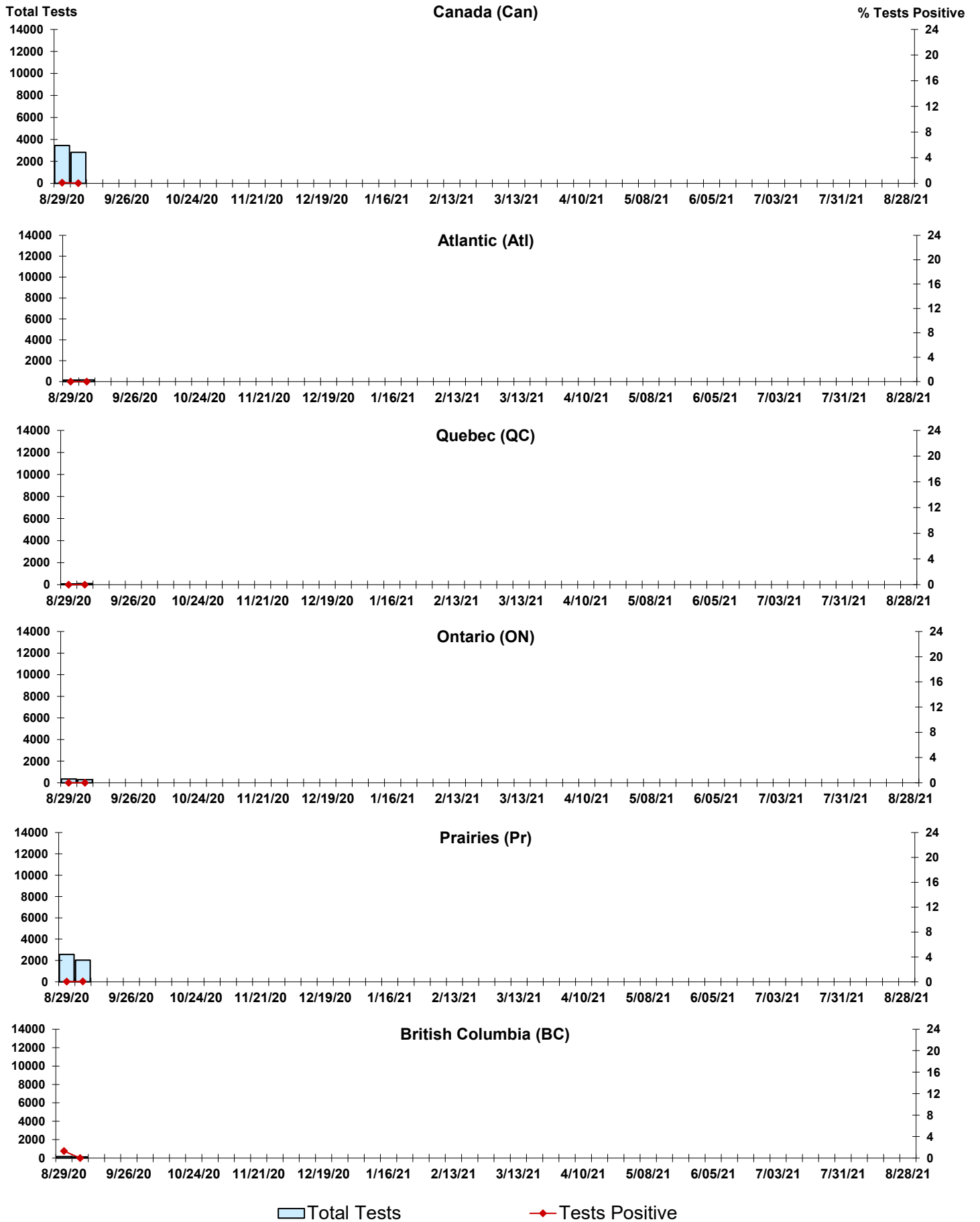




Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

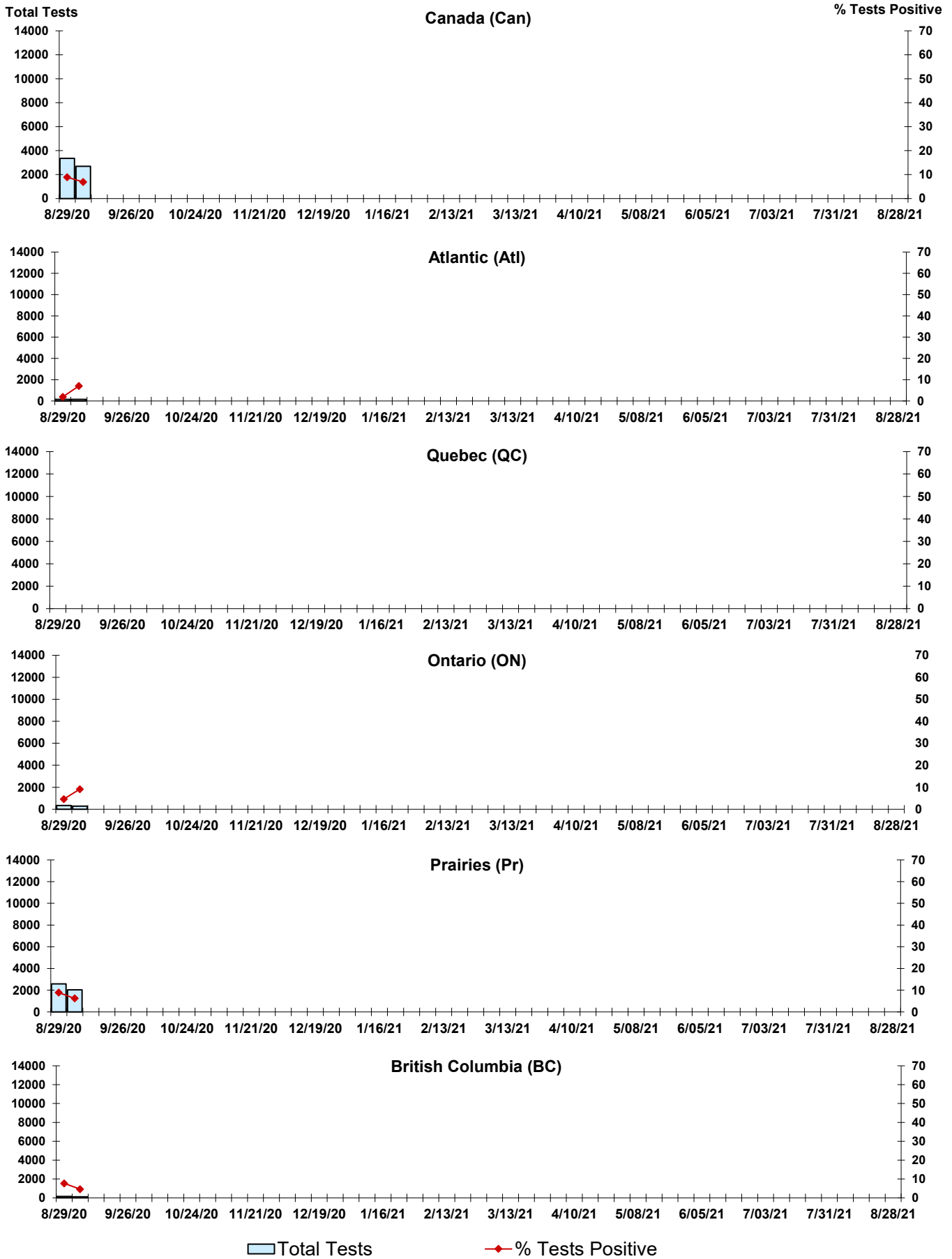
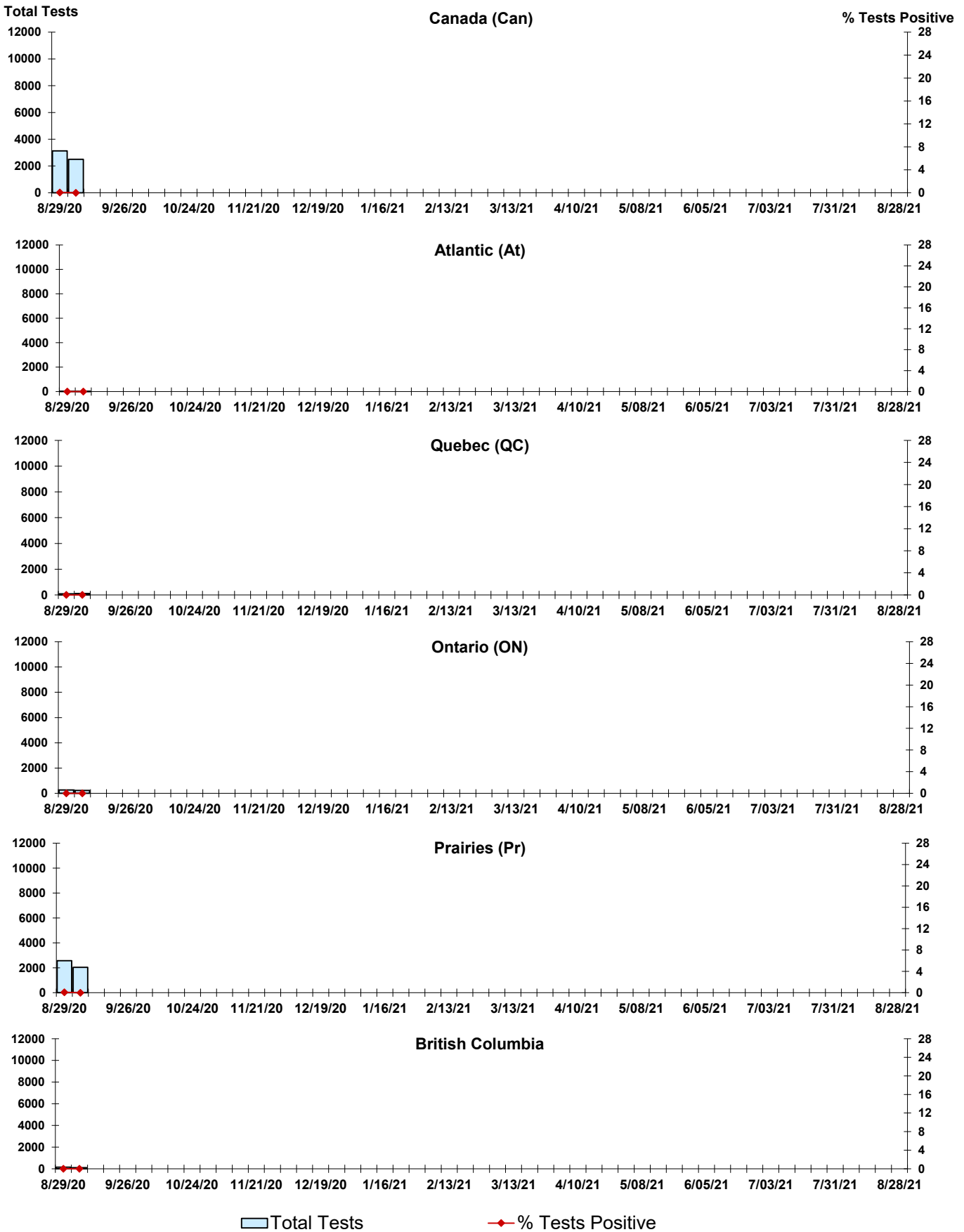


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



## 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.

