

Respiratory Virus Report, Week 37 - ending September 12, 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 12, 2020 (Reporting Week 202037)

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	197	0	0	0	0	0	197	0	197	0	0	0	0	0	197	0	197	0	197	5	N.A.	N.A.
Prince Edward Island	4	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	4	0	4	0	4	0
Nova Scotia	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	7	0	7	0
New Brunswick	24	0	0	0	0	0	24	0	24	0	0	0	0	0	15	0	15	0	15	0	15	0
Atlantic	232	0	0	0	0	0	232	0	232	0	0	0	0	0	223	0	223	0	223	5	26	0
Région Nord-Est	20	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	22	0	0	0	0	0	23	0	18	0	0	0	0	0	20	1	18	0	N.A.	N.A.	18	0
Centre-du-Québec	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	N.A.	N.A.	7	0
Montréal-Laval	104	0	0	0	0	0	103	0	85	0	0	0	0	0	85	1	85	0	N.A.	N.A.	85	0
Ouest du Québec	7	0	0	0	0	0	7	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
Province of Québec	160	0	0	0	0	0	157	0	110	0	0	0	0	0	112	2	110	0	N.A.	N.A.	110	0
P.H.O.L. - Ottawa	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
CHEO - Ottawa	154	0	0	0	0	2	29	0	29	0	0	0	0	0	29	0	29	0	29	0	29	0
P.H.O.L. - Kingston	24	0	0	0	0	0	22	0	22	0	0	0	0	0	22	1	22	0	22	13	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	N.A.	N.A.
P.H.O.L. - Toronto	97	0	0	0	0	0	97	0	97	0	0	0	0	0	97	0	97	0	97	1	97	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. - 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	13	0	0	0	0	0	13	0	13	0	0	0	0	0	13	0	12	0	13	0	12	0
P.H.O.L. - Orillia	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. - Thunder Bay	29	0	0	0	0	0	29	0	29	0	0	0	0	0	29	0	29	0	29	15	29	0
P.H.O.L. - Sudbury	4	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	4	0	4	0	4	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	0	14	0
P.H.O.L. - Peterborough	10	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	10	0	10	0	10	0
St. Joseph's - Hamilton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Province of Ontario	350	0	0	0	0	2	223	0	223	0	0	0	0	0	223	1	222	0	223	29	222	1
Province of Manitoba	379	0	0	0	0	0	379	1	76	0	0	0	0	0	76	0	74	0	76	5	74	0
Regina	64	0	0	0	0	0	64	0	72	0	0	0	0	0	72	1	72	0	72	1	72	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	64	0	0	0	0	0	64	0	72	0	0	0	0	0	72	1	72	0	72	1	72	0
Province of Alberta	1940	0	0	0	0	0	1940	0	1940	0	0	0	0	0	1940	4	1940	0	1940	132	1940	0
Prairies	2383	0	0	0	0	0	2383	1	2088	0	0	0	0	0	2088	5	2086	0	2088	138	2086	0
British Columbia	777	0	0	0	0	0	777	0	116	0	0	0	0	0	116	0	116	0	94	7	94	0
Yukon	139	0	0	0	0	0	139	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	12	0	0	0	0	0	12	0	12	0	0	0	0	0	12	0	12	0	12	5	12	0
Nunavut	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
Territories	152	0	0	0	0	0	152	0	13	0	0	0	0	0	13	0	13	0	13	5	13	0
CANADA	4054	0	0	0	0	2	3924	1	2782	0	0	0	0	0	2775	8	2770	0	2641	184	2551	1

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 12, 2020 (Reporting Weeks 202035-202037)

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	454	0	0	0	0	0	454	0	454	0	0	0	0	0	454	0	454	0	454	14	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	27	0	0	0	0	0	27	0	25	0	0	0	0	0	25	0	25	0	25	1	25	0
New Brunswick	66	0	0	0	0	0	66	0	58	0	0	0	0	0	49	1	49	0	49	3	33	0
Atlantic	552	0	0	0	0	0	552	0	542	0	0	0	0	0	533	1	533	0	533	19	63	0
Région Nord-Est	40	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	45	0	0	0	0	0	55	0	43	0	0	0	0	0	45	2	41	0	N.A.	N.A.	41	0
Centre-du-Québec	13	0	0	0	0	0	13	0	18	0	0	0	0	0	18	0	18	0	N.A.	N.A.	18	0
Montréal-Laval	282	0	0	0	0	0	280	1	240	0	0	0	0	0	294	5	239	0	N.A.	N.A.	239	0
Ouest du Québec	17	0	0	0	0	0	16	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
Province of Québec	397	0	0	0	0	0	396	1	301	0	0	0	0	0	357	7	298	0	N.A.	N.A.	298	0
P.H.O.L. - Ottawa	20	0	0	0	0	0	20	0	20	0	0	0	0	0	20	0	20	0	20	0	20	0
CHEO - Ottawa	304	0	0	0	0	5	101	0	62	0	0	0	0	0	62	0	62	0	62	3	62	0
P.H.O.L. - Kingston	48	0	0	0	0	0	46	0	46	0	0	0	0	0	46	1	46	0	46	21	46	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	356	0	0	0	0	0	356	0	356	0	0	0	0	0	357	0	356	0	356	2	356	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. - Sault 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	52	0	0	0	0	0	52	0	52	0	0	0	0	0	52	0	48	0	52	1	48	0
P.H.O.L. - Orillia	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	7	0	7	0
P.H.O.L. - Thunder Bay	79	0	0	0	0	0	79	0	79	0	0	0	0	0	79	1	79	0	79	37	79	0
P.H.O.L. - Sudbury	16	0	0	0	0	0	16	0	16	0	0	0	0	0	16	0	16	0	16	0	16	0
P.H.O.L. - Hamilton	55	0	0	0	0	0	51	0	51	0	0	0	0	0	51	0	51	0	51	1	51	0
P.H.O.L. - Peterborough	32	0	0	0	0	0	32	0	32	0	0	0	0	0	32	0	32	0	32	0	32	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
Province of Ontario	1099	0	0	0	0	5	890	0	851	0	0	0	0	0	852	2	847	0	851	71	720	1
Manitoba	1450	0	0	0	0	0	1450	1	254	0	1	0	0	0	254	2	237	0	254	26	237	1
Regina	153	0	0	0	0	0	153	0	152	0	0	0	0	0	152	1	152	0	152	20	152	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	153	0	0	0	0	0	153	0	152	0	0	0	0	0	152	1	152	0	152	20	152	0
Province of Alberta	6912	0	0	0	0	0	6909	0	6909	1	6	0	1	0	6909	14	6909	2	6909	517	6909	1
Prairies	8515	0	0	0	0	0	8512	1	7315	1	7	0	1	0	7315	17	7298	2	7315	563	7298	2
British Columbia	2428	0	0	0	0	0	2428	0	392	0	0	0	0	0	392	1	392	2	345	23	345	0
Yukon	513	0	0	0	0	0	342	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	60	0	0	0	0	0	60	0	60	0	0	0	0	0	60	0	60	0	60	24	60	0
Nunavut	241	0	0	0	0	0	241	0	241	0	0	0	0	0	241	3	241	3	241	58	34	0
Territories	814	0	0	0	0	0	643	2	301	0	0	0	0	0	301	3	301	3	301	82	94	0
CANADA	13805	0	0	0	0	5	13421	4	9702	1	7	0	1	0	9750	31	9669	7	9345	758	8818	3

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

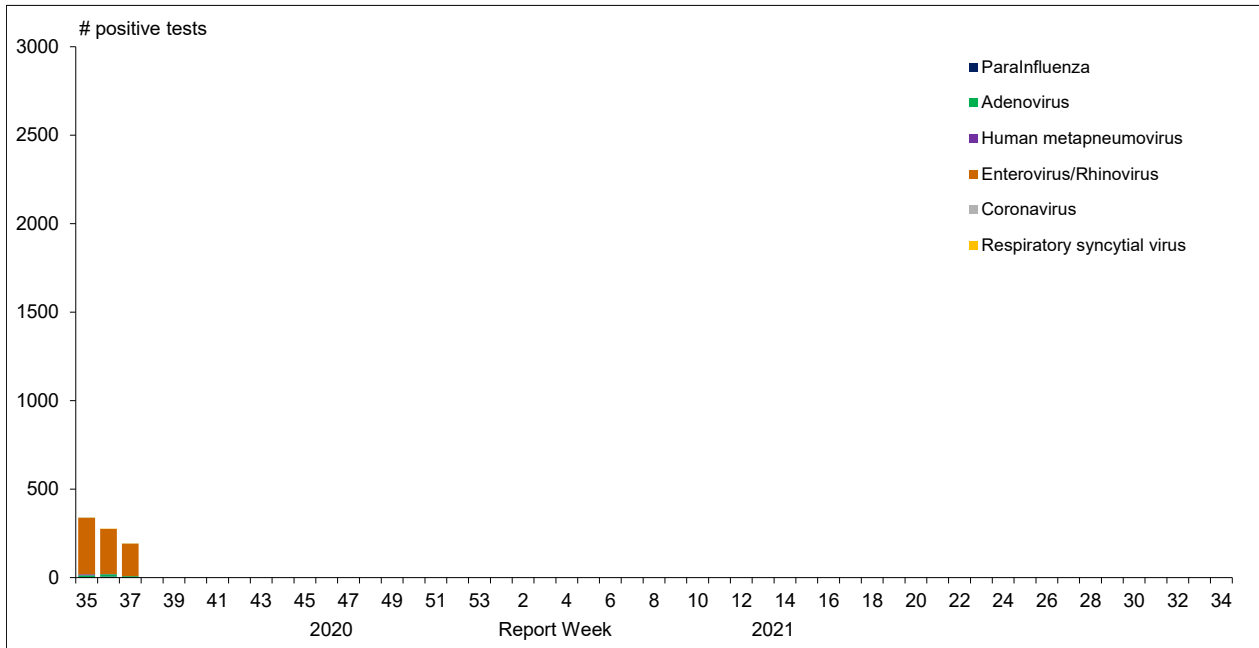


Figure 2 : Positive Influenza Tests (%) in Canada by Region by Week of Report

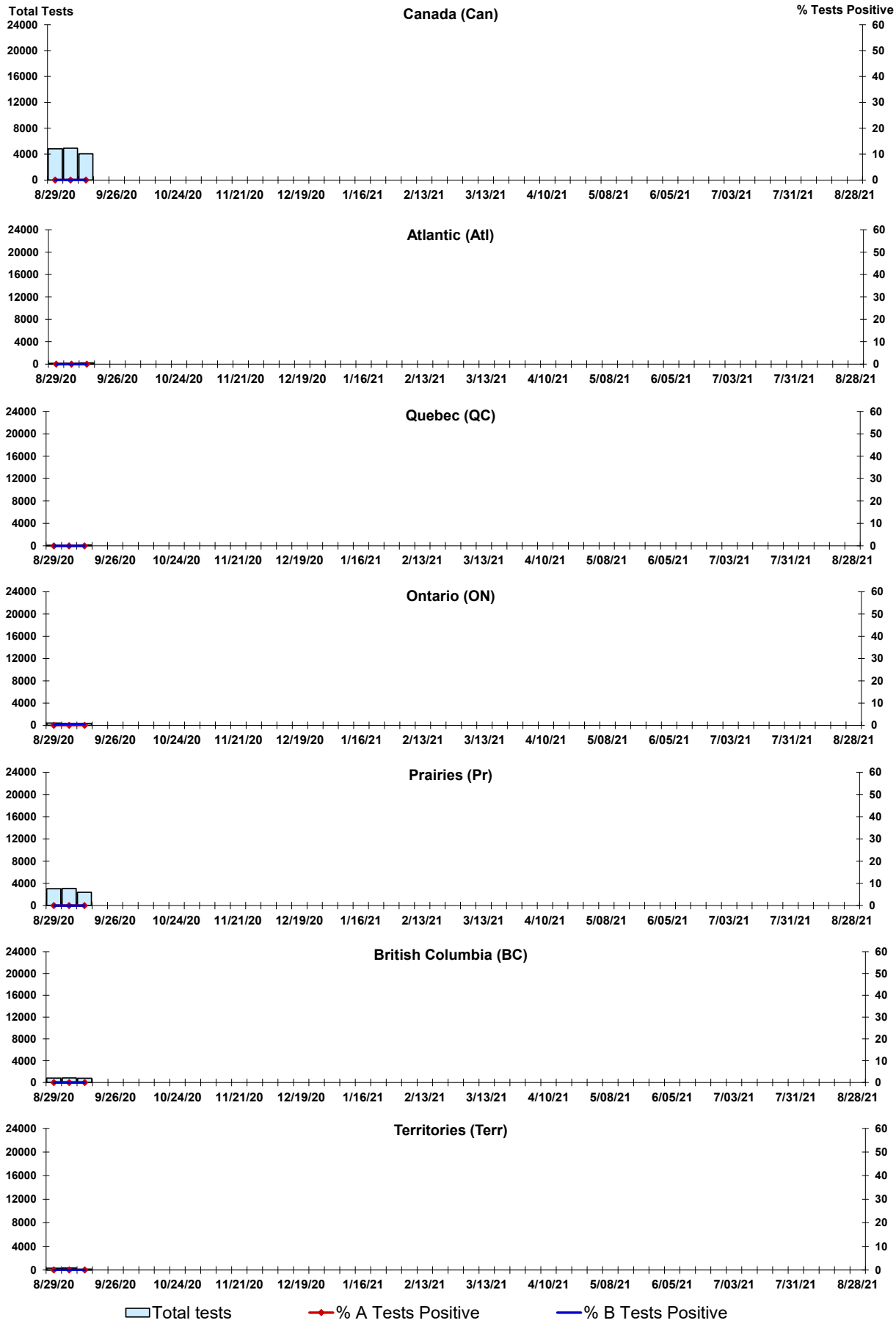


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

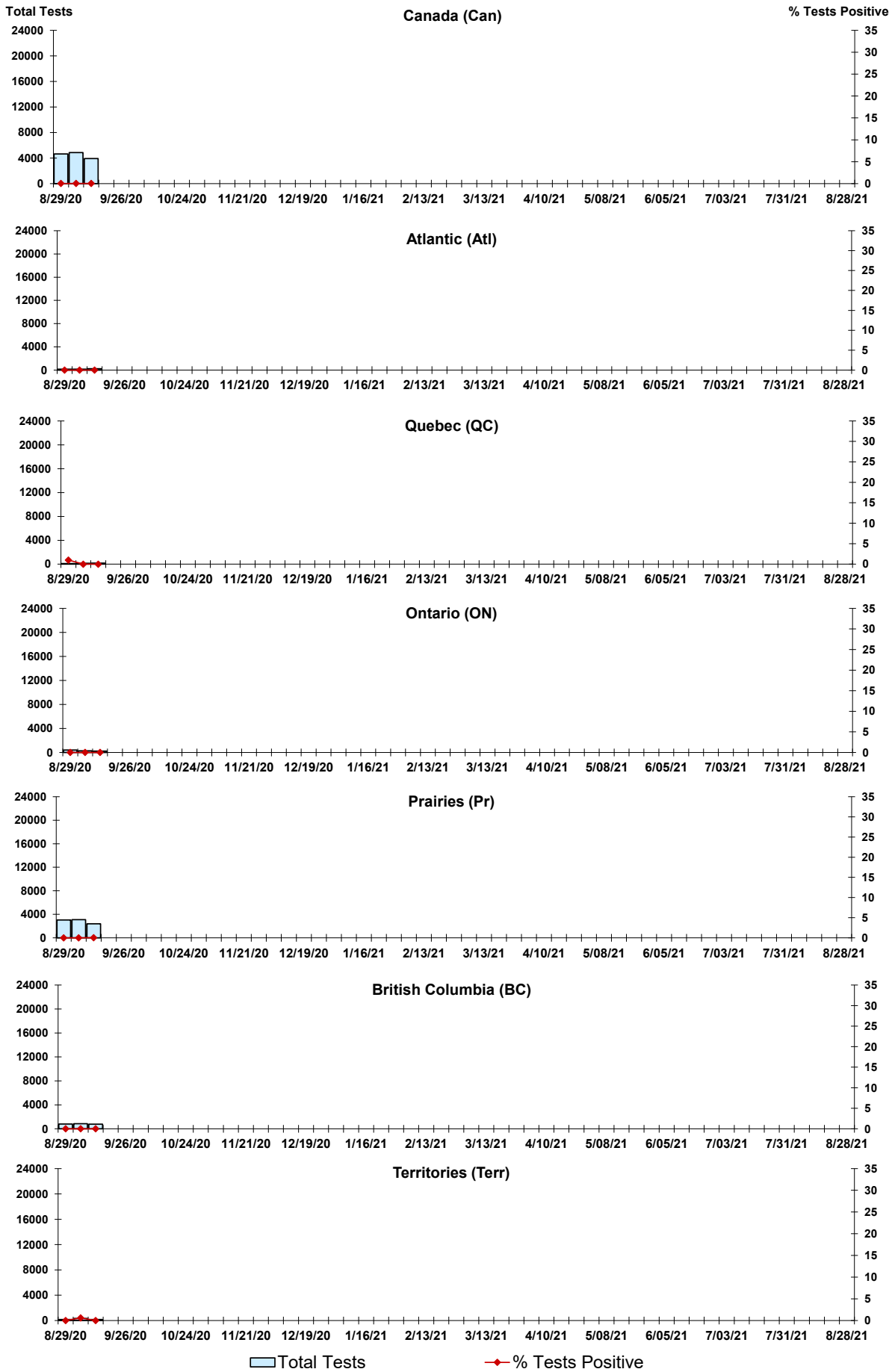
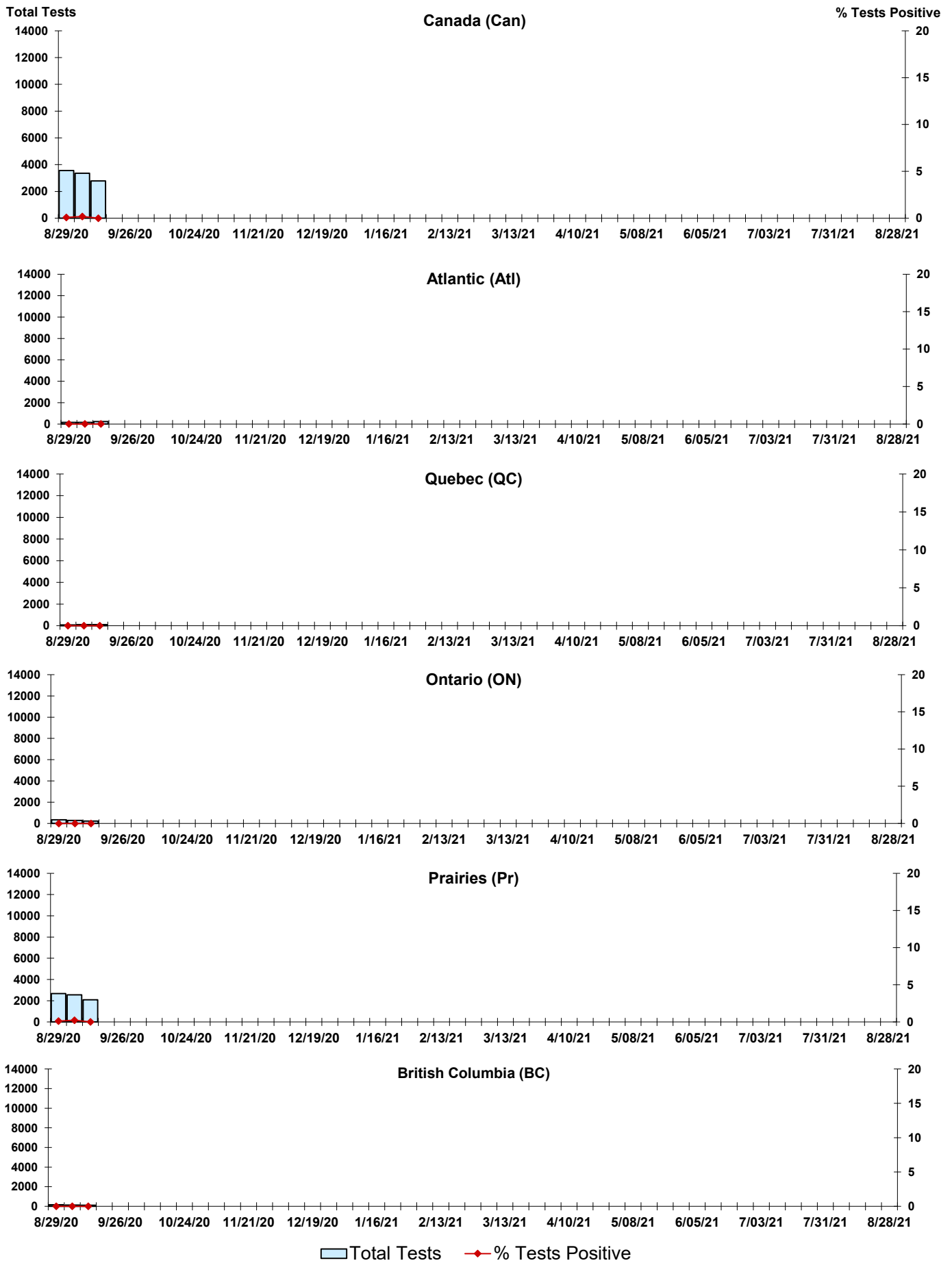


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report



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

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

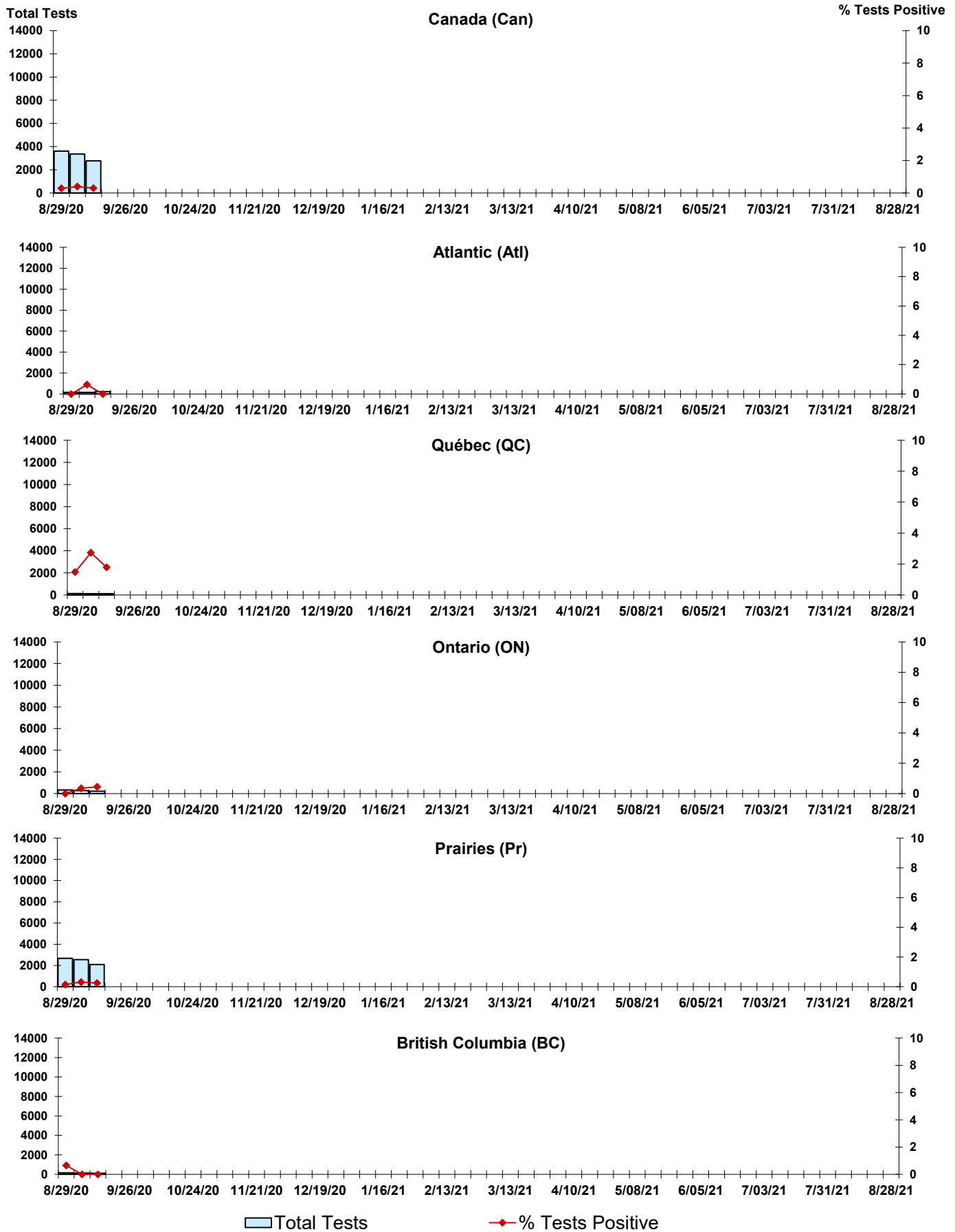


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

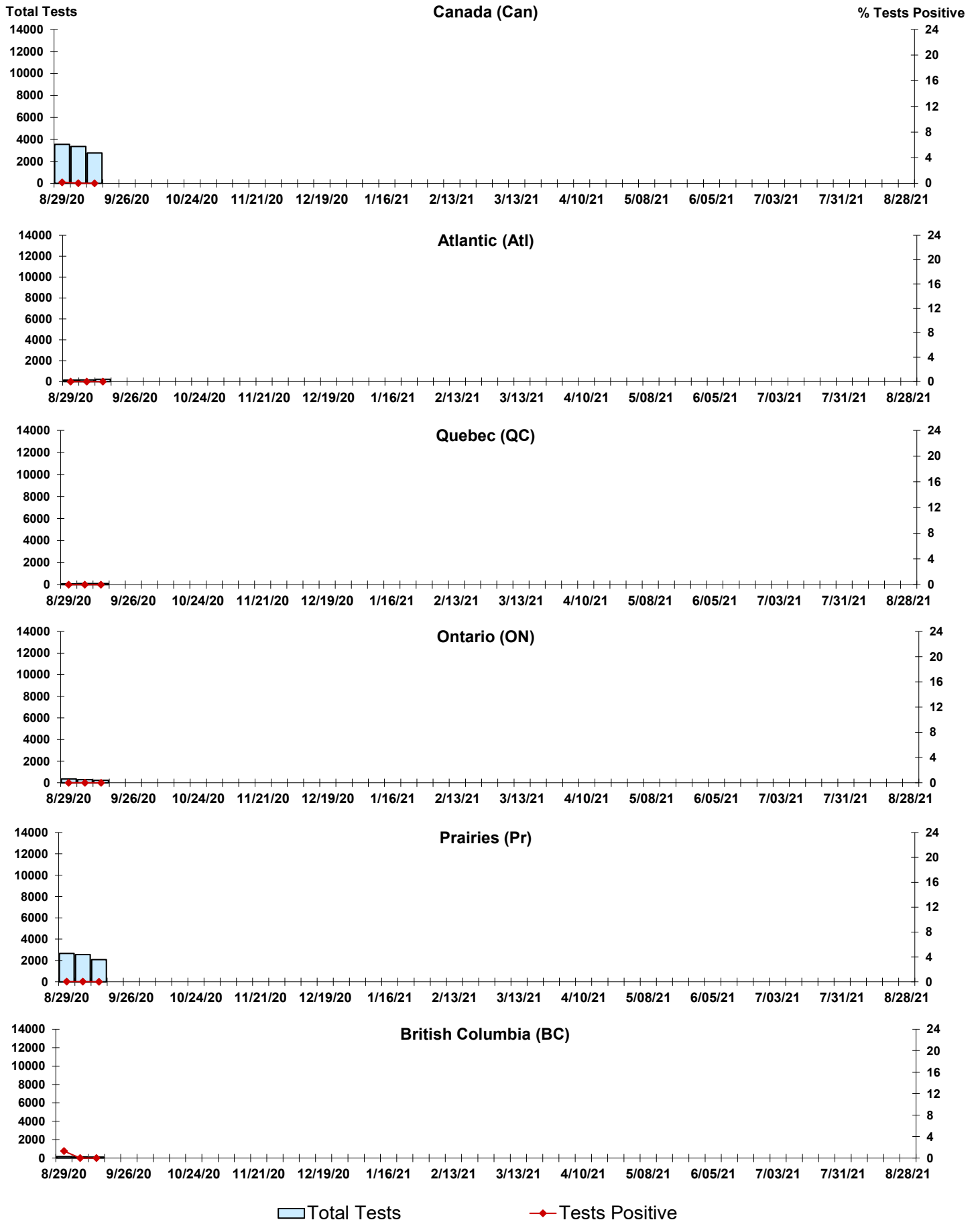
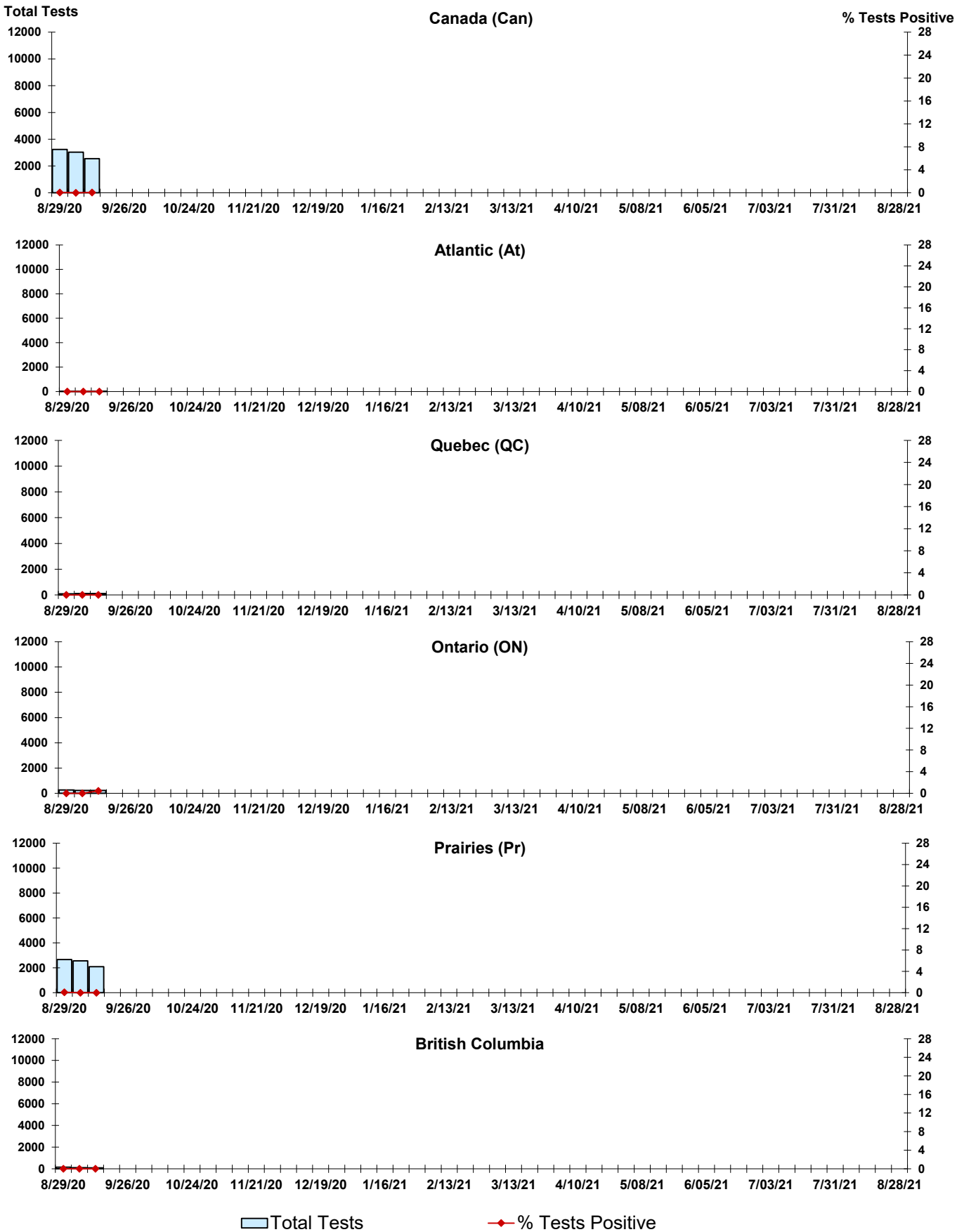


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report



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.

