

Respiratory Virus Report, Week 39 - ending September 26, 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 26, 2020 (Reporting Week 202039)

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	968	0	0	0	0	0	968	3	968	0	0	0	0	0	968	5	968	0	968	556	N.A.	N.A.
Prince Edward Island	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	2	0	2	0
Nova Scotia	21	0	0	0	0	0	21	0	18	0	0	0	0	0	18	0	18	0	18	8	18	0
New Brunswick	30	0	0	0	0	0	30	0	11	0	0	0	0	0	11	0	11	0	11	4	0	0
Atlantic	1021	0	0	0	0	0	1021	3	999	0	0	0	0	0	999	5	999	0	999	568	20	0
Région Nord-Est	15	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	33	0	0	0	0	0	38	0	25	0	0	0	0	0	25	0	24	0	N.A.	N.A.	24	0
Centre-du-Québec	8	0	0	0	0	0	8	0	3	0	0	0	0	0	3	0	3	0	N.A.	N.A.	3	0
Montréal-Laval	146	0	0	0	0	0	146	0	123	0	0	0	0	0	123	0	123	0	N.A.	N.A.	123	0
Ouest du Québec	25	0	0	0	0	0	22	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	227	0	0	0	0	0	226	0	151	0	0	0	0	0	151	0	150	0	N.A.	N.A.	150	0
P.H.O.L. - Ottawa	13	0	0	0	0	0	13	0	13	0	0	0	0	0	13	0	13	0	13	0	13	0
CHEO - Ottawa	107	0	0	0	0	0	24	0	24	0	0	0	0	0	24	0	24	0	24	2	24	0
P.H.O.L. - Kingston	29	0	0	0	0	0	27	0	27	0	0	0	0	0	27	0	26	0	27	12	26	0
UHN / Mount Sinai Hospital	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	18	0
P.H.O.L. - Toronto	135	0	0	0	0	0	135	0	135	0	0	0	0	0	135	1	135	0	135	4	135	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	4	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	4	0	4	0	4	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	24	0	0	0	0	0	24	0	24	0	0	0	0	0	24	0	24	0	24	0	24	0
P.H.O.L. - Orillia	7	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	83	0	0	0	0	0	83	0	83	0	0	0	0	0	83	0	83	0	83	51	83	0
P.H.O.L. - Sudbury	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. - Hamilton	28	0	0	0	0	0	28	0	28	0	0	0	0	0	28	0	28	0	28	6	28	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	1	14	0
St. Joseph's - Hamilton	65	0	0	0	0	0	65	0	65	0	0	0	0	0	65	0	65	0	65	21	0	0
Province of Ontario	512	0	0	0	0	0	425	0	443	0	0	0	0	0	425	1	424	0	425	97	377	0
Province of Manitoba	627	0	0	0	0	0	627	0	73	0	0	0	0	0	73	0	65	0	73	5	65	0
Province of Saskatchewan	51	0	0	0	0	0	51	0	50	0	0	0	0	0	50	2	50	0	50	8	50	0
Province of Alberta	1998	0	0	0	0	0	1998	0	1998	0	0	0	0	0	1998	1	1998	0	1998	265	1998	2
Prairies	2676	0	0	0	0	0	2676	0	2121	0	0	0	0	0	2121	3	2113	0	2121	278	2113	2
British Columbia	1018	0	0	0	0	0	1017	0	148	0	0	0	0	0	148	0	148	0	139	17	138	0
Yukon	221	0	0	0	0	0	221	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	14	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	14	0	14	6	14	0
Nunavut	156	0	0	0	0	0	156	0	156	0	0	0	0	0	156	1	156	0	156	34	1	0
Territories	391	0	0	0	0	0	391	0	170	0	0	0	0	0	170	1	170	0	170	40	15	0
CANADA	5845	0	0	0	0	0	5756	3	4032	0	0	0	0	0	4014	10	4004	0	3854	1000	2813	2

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 26, 2020 (Reporting Weeks 202035-202039)

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	1869	0	0	0	0	0	1869	3	1869	0	0	0	0	0	1869	8	1869	0	1869	786	N.A.	N.A.
Prince Edward Island	7	0	0	0	0	0	7	0	9	0	0	0	0	0	9	0	9	0	9	2	9	0
Nova Scotia	58	0	0	0	0	0	58	0	53	0	0	0	0	0	53	0	53	0	53	11	53	0
New Brunswick	104	0	0	0	0	0	104	0	77	0	0	0	0	0	88	2	68	0	68	7	41	0
Atlantic	2038	0	0	0	0	0	2038	3	2008	0	0	0	0	0	1999	10	1999	0	1999	806	103	0
Région Nord-Est	71	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	80	0	0	0	0	0	95	0	68	0	0	0	0	0	70	2	65	0	N.A.	N.A.	65	0
Centre-du-Québec	29	0	0	0	0	0	29	0	26	0	0	0	0	0	24	0	26	0	N.A.	N.A.	26	0
Montréal-Laval	569	0	0	0	0	0	567	1	413	0	0	0	0	0	467	5	407	0	N.A.	N.A.	407	0
Ouest du Québec	57	0	0	0	0	0	53	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	806	0	0	0	0	0	804	1	507	0	0	0	0	0	561	7	498	0	N.A.	N.A.	498	0
P.H.O.L. - Ottawa	37	0	0	0	0	0	37	0	37	0	0	0	0	0	37	0	37	0	37	0	37	0
CHEO - Ottawa	501	0	0	1	1	10	215	2	113	0	0	0	0	0	113	0	113	0	113	10	113	0
P.H.O.L. - Kingston	99	0	0	0	0	0	97	0	97	0	0	0	0	0	97	2	96	0	97	46	96	0
UHN / Mount Sinai Hospital	0	0	0	0	0	0	0	0	73	0	1	1	1	0	0	0	0	0	0	0	73	0
P.H.O.L. - Toronto	604	0	0	0	0	0	604	1	604	0	0	0	0	0	605	2	604	0	604	12	604	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	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. - Timmins	23	0	0	0	0	0	23	0	23	0	0	0	0	0	23	0	23	0	23	4	23	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	87	0	0	0	0	0	87	0	87	0	0	0	0	0	87	0	83	0	87	1	83	0
P.H.O.L. - Orillia	17	0	0	0	0	0	15	0	15	0	0	0	0	0	15	0	15	0	15	0	15	0
P.H.O.L. - Thunder Bay	192	0	0	0	0	0	192	0	192	0	0	0	0	0	192	1	192	0	192	103	192	0
P.H.O.L. - Sudbury	27	0	0	0	0	0	27	0	27	0	0	0	0	0	27	0	27	0	27	0	27	0
P.H.O.L. - Hamilton	108	0	0	0	0	0	104	0	104	0	0	0	0	0	104	0	104	0	104	11	104	0
P.H.O.L. - Peterborough	57	0	0	0	0	0	57	0	57	0	0	0	0	0	57	0	57	0	57	1	57	0
St. Joseph's - Hamilton	315	0	0	0	0	0	315	0	315	0	0	0	0	0	315	0	315	0	315	42	0	0
Province of Ontario	2071	0	0	1	1	10	1777	3	1748	0	1	1	1	0	1676	5	1670	0	1675	230	1428	1
Manitoba	2612	0	0	0	0	0	2612	3	394	0	1	0	0	0	394	7	361	0	394	38	361	1
Province of Saskatchewan	295	0	0	0	0	0	295	1	271	0	0	0	0	0	271	3	271	0	271	40	271	0
Province of Alberta	12725	0	0	0	0	0	12721	0	12721	1	10	0	1	0	12721	24	12721	4	12721	1190	12721	4
Prairies	15632	0	0	0	0	0	15628	4	13386	1	11	0	1	0	13386	34	13353	4	13386	1268	13353	5
British Columbia	4491	0	0	0	0	0	4491	0	786	0	0	0	0	0	780	7	786	3	720	73	719	0
Yukon	1048	0	0	0	0	0	877	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	170	0	0	0	0	0	170	0	170	0	0	0	1	0	170	1	170	0	170	59	170	0
Nunavut	655	0	0	0	0	0	655	0	655	1	1	0	0	0	655	6	655	4	655	151	78	0
Territories	1873	0	0	0	0	0	1702	2	825	1	1	0	1	0	825	7	825	4	825	210	248	0
CANADA	26911	0	0	1	1	10	26440	13	19260	2	13	1	3	0	19227	70	19131	11	18605	2587	16349	6

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

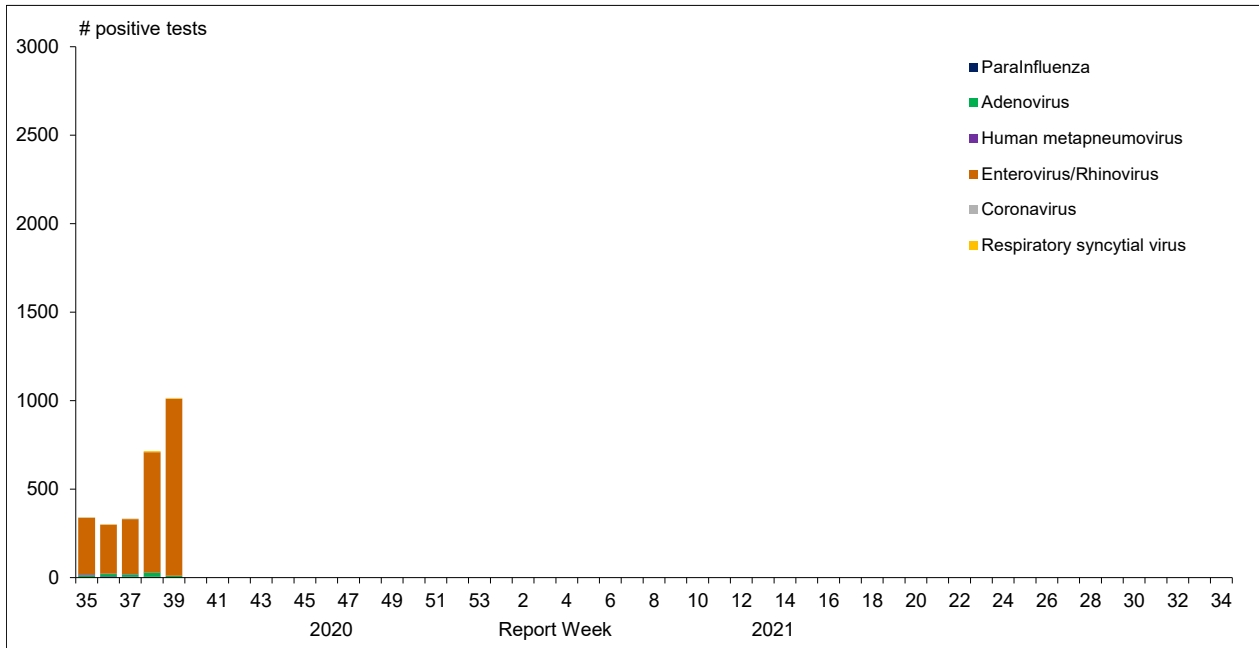


Figure 2 : Positive Influenza Tests (%) in Canada by Region by Week of Report

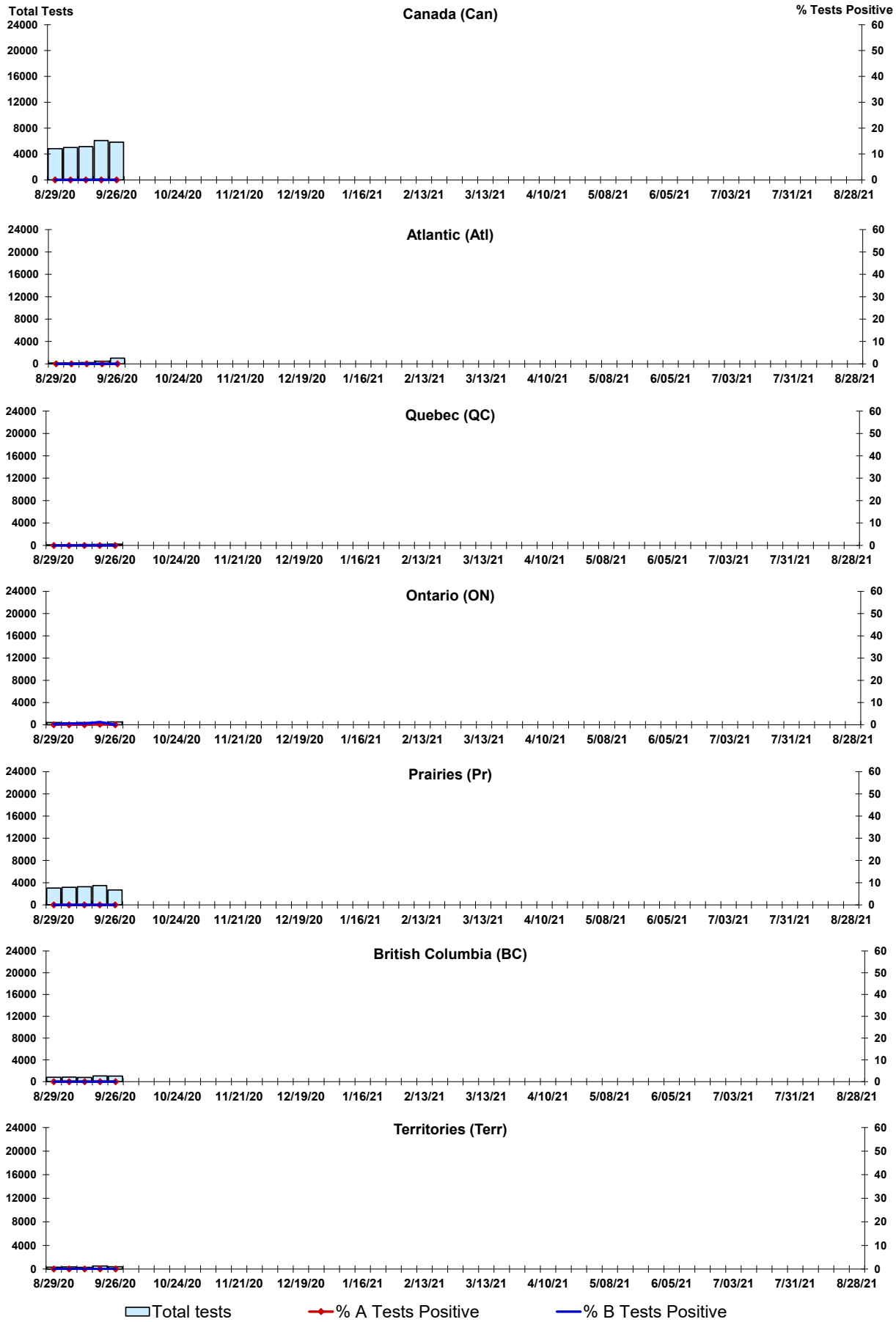


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

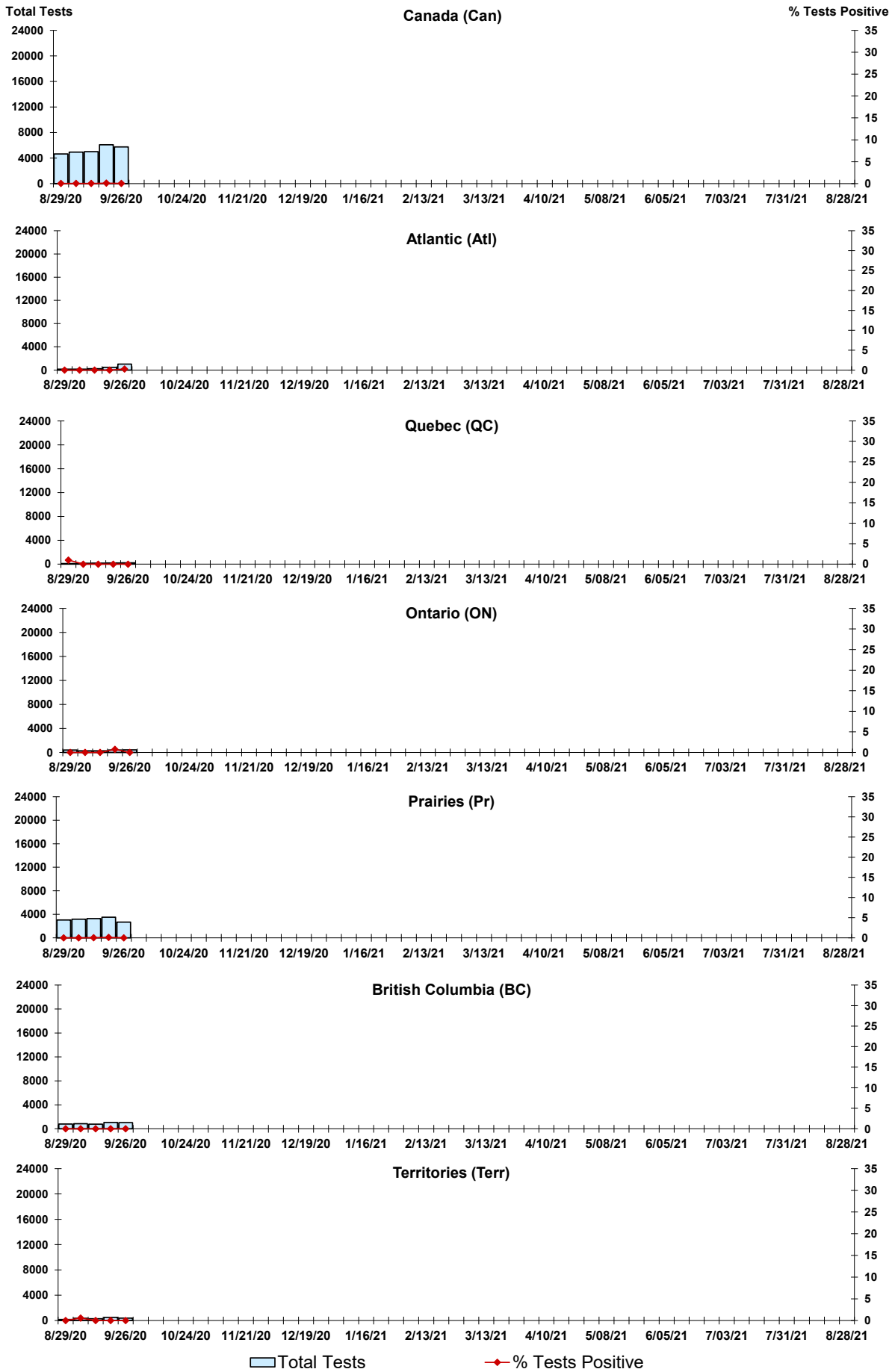
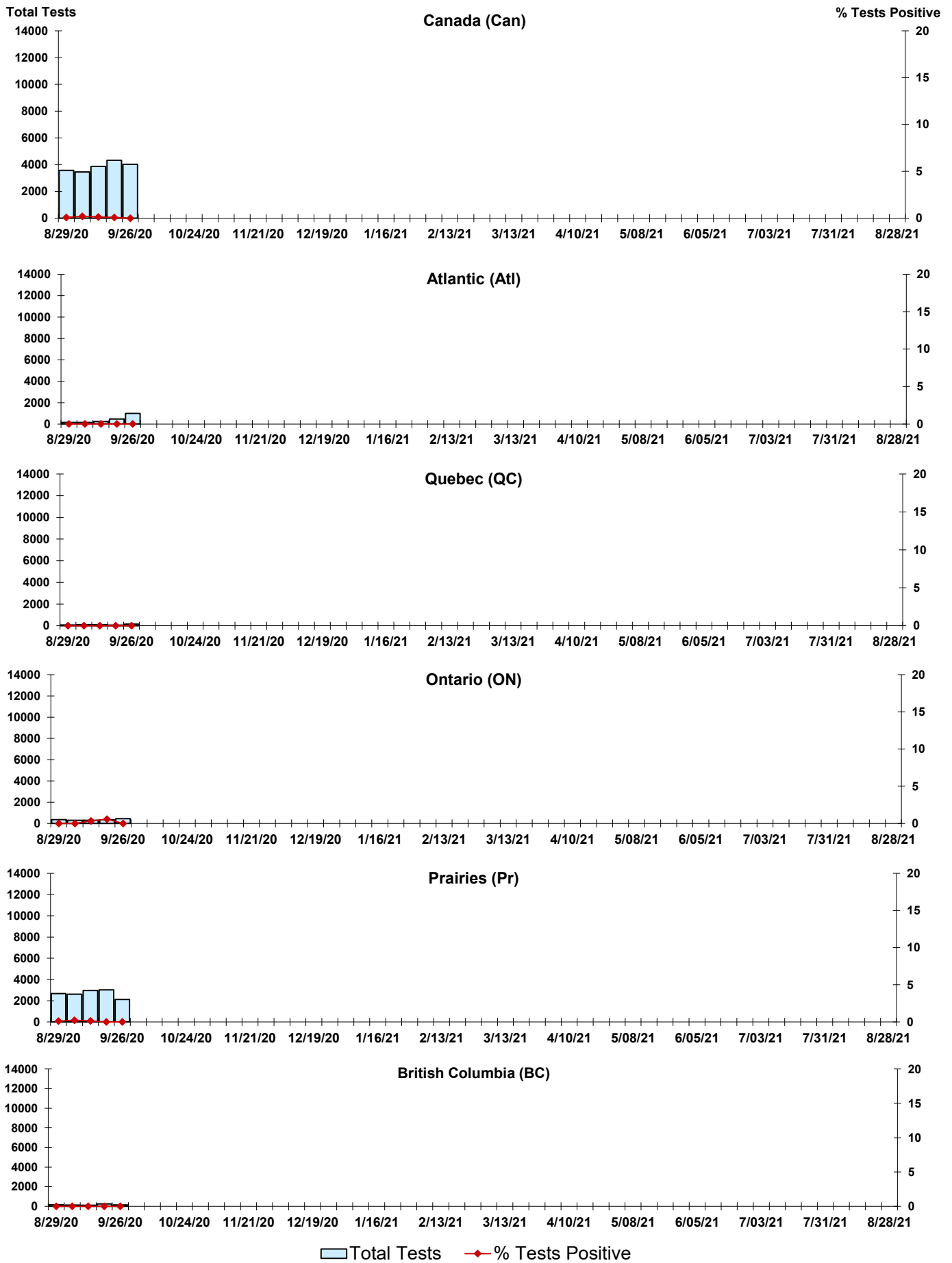


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report



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

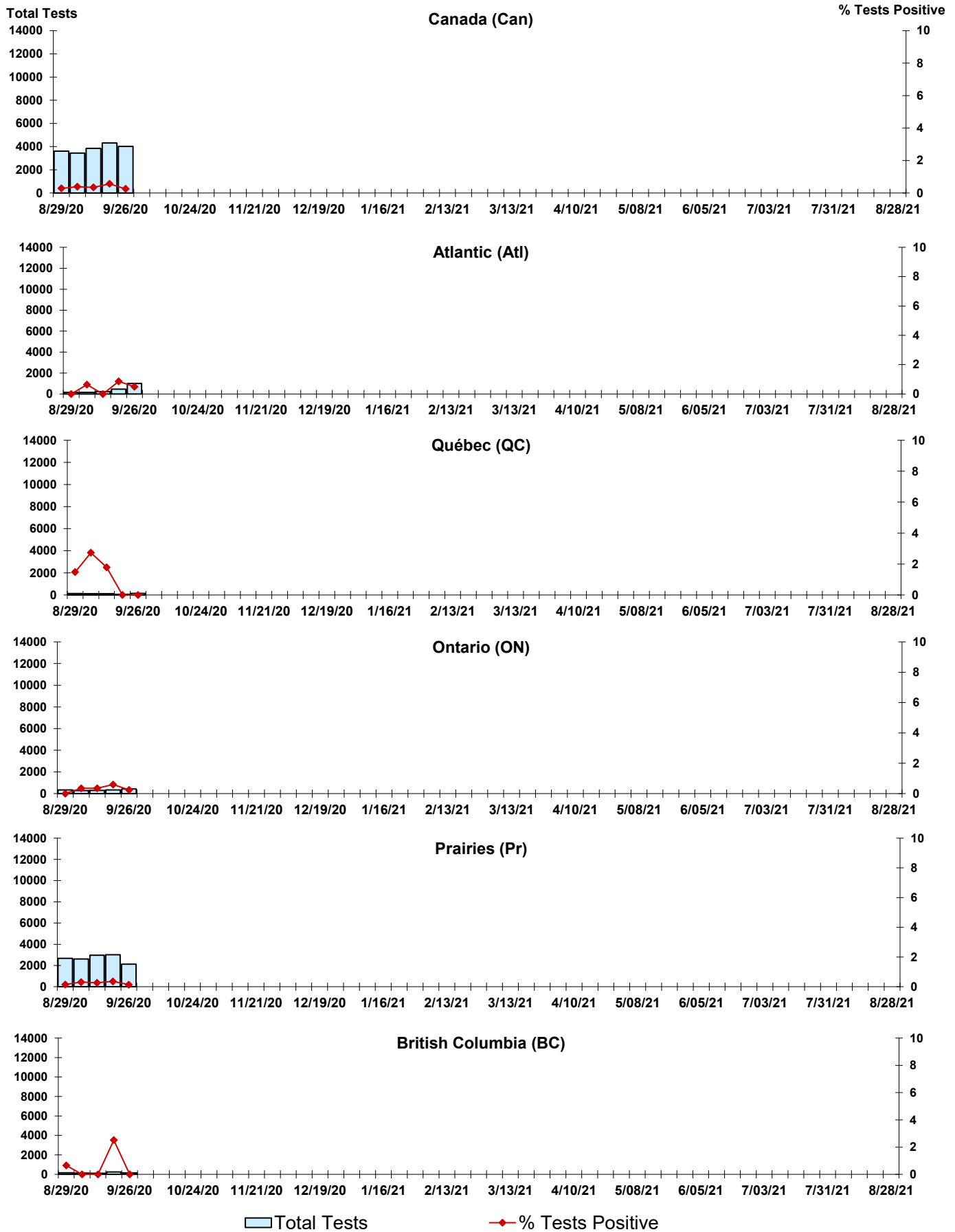


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

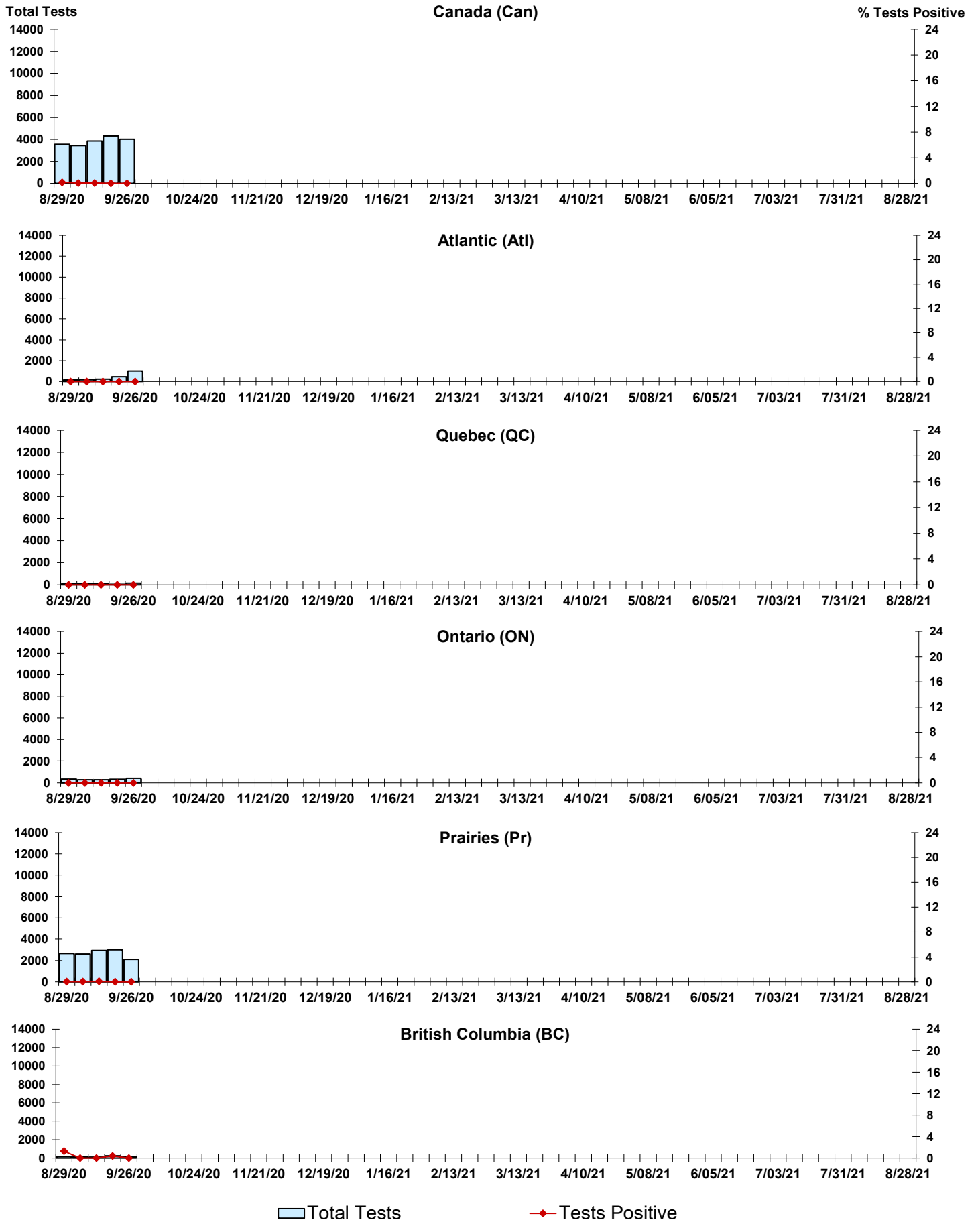
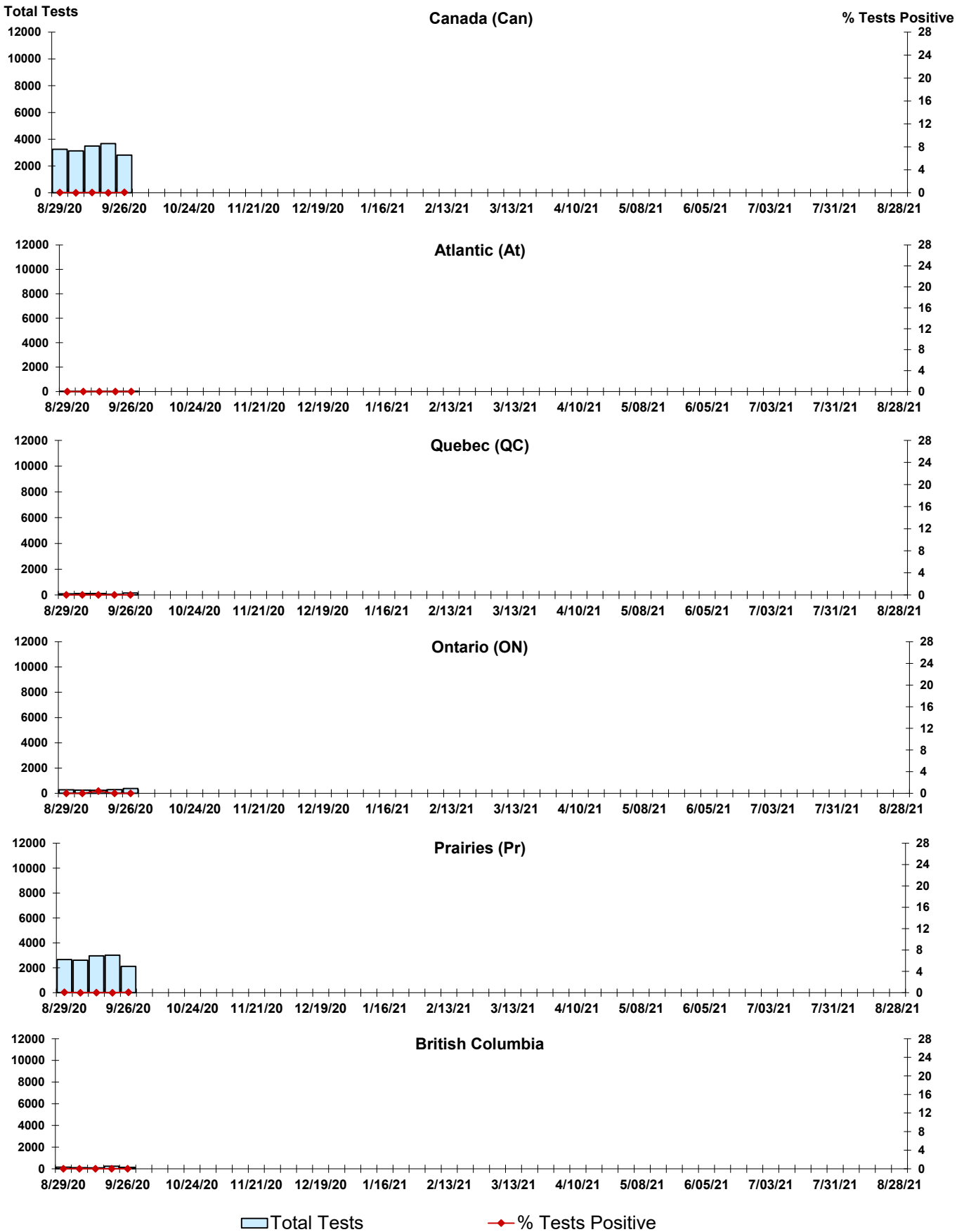


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report



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.

