

Respiratory Virus Report, Week 6 - ending February 13, 2021

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 February 13, 2021 (Reporting Week 202106)

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	417	0	0	1	1	0	417	2	417	0	0	0	0	0	417	2	417	0	417	37	N.A.	N.A.
Prince Edward Island	158	0	0	0	0	0	158	0	158	0	0	0	0	0	158	0	158	0	158	11	158	0
Nova Scotia	86	0	0	0	0	0	86	0	12	0	0	0	0	0	12	0	12	0	12	2	12	0
New Brunswick	867	0	0	0	0	0	191	0	21	0	0	0	0	0	21	0	21	0	21	1	21	0
Atlantic	1528	0	0	1	1	0	852	2	608	0	0	0	0	0	608	2	608	0	608	51	191	0
Région Nord-Est	146	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	25	0	0	0	0	0	24	0	11	0	0	0	0	0	11	1	11	0	N.A.	N.A.	11	0
Centre-du-Québec	32	0	0	0	0	0	32	0	7	0	0	0	0	0	7	0	7	0	N.A.	N.A.	7	0
Montréal-Laval	221	0	0	0	0	0	127	0	101	0	0	0	0	0	101	2	100	0	N.A.	N.A.	100	1
Ouest du Québec	69	0	0	0	0	0	69	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	493	0	0	0	0	0	268	0	119	0	0	0	0	0	119	3	118	0	N.A.	N.A.	118	1
P.H.O.L. - Ottawa	11	0	0	0	0	0	11	0	8	0	0	0	0	0	8	0	8	0	8	0	8	0
CHEO - Ottawa	113	0	0	0	0	0	113	0	18	0	0	0	0	0	18	1	18	1	18	3	18	0
P.H.O.L. - Kingston	4	0	0	0	0	0	4	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
UHN / Mount Sinai Hospital	544	0	0	0	0	0	544	0	532	0	0	0	0	0	532	1	532	0	532	3	532	0
P.H.O.L. - Toronto	192	0	0	0	0	0	192	0	73	0	0	0	0	0	73	0	73	0	73	1	73	0
Sick Kids Hospital - Toronto	41	0	0	0	0	0	0	0	41	0	0	0	0	0	41	0	41	0	41	1	41	0
Sunnybrook & Women's College HSC	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.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Sault Ste. Marie	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.H.O.L. - Timmins	8	0	0	0	0	0	8	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
St. Joseph's - London	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.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - London	53	0	0	0	0	0	53	0	15	0	0	0	0	0	15	0	15	0	15	0	15	0
P.H.O.L. - Orillia	12	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
P.H.O.L. - Thunder Bay	4	0	0	0	0	0	4	0	2	0	0	0	0	0	2	0	2	0	2	0	2	0
P.H.O.L. - Sudbury	19	0	0	0	0	0	19	0	2	0	0	0	0	0	2	0	2	0	2	0	2	0
P.H.O.L. - Hamilton	32	0	0	0	0	0	28	0	25	0	0	0	0	0	25	0	25	0	25	0	25	0
P.H.O.L. - Peterborough	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	7	0	7	0
St. Joseph's - Hamilton	333	0	0	0	0	0	333	0	333	0	0	0	0	0	333	0	333	0	333	4	0	0
Province of Ontario	1375	0	0	0	0	0	1330	0	1058	0	0	0	0	0	1058	2	1058	1	1058	12	725	0
Province of Manitoba	1160	0	0	0	0	0	1160	0	65	0	0	0	0	0	65	4	57	0	65	2	57	1
Province of Saskatchewan	10174	0	0	0	0	0	1578	0	33	0	0	0	0	0	33	0	33	0	33	4	33	0
Province of Alberta	2262	0	0	1	1	0	627	0	627	0	0	0	0	0	627	1	627	0	627	44	627	0
Prairies	13596	0	0	1	1	0	3365	0	725	0	0	0	0	0	725	5	717	0	725	50	717	1
British Columbia	2176	0	0	0	0	0	2155	0	350	0	0	0	0	0	350	2	350	1	344	26	337	1
Yukon	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.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Northwest Territories	30	0	0	0	0	0	28	0	28	0	0	0	0	0	28	0	28	0	28	7	28	0
Nunavut	5	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	3	1	1	0
Territories	35	0	0	0	0	0	31	0	31	0	0	0	0	0	31	0	31	0	31	8	29	0
CANADA	19203	0	0	2	2	0	8001	2	2891	0	0	0	0	0	2891	14	2882	2	2766	147	2117	3

The data in the RVDSS report represent surveillance data available at the time of writing. Missing data are denoted by N.A.

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, Fraser Health Medical Microbiology Laboratory, Island Health, Providence Health Care, Powell River Hospital, St. Paul's Hospital, Vancouver General Hospital, Victoria General Hospital, 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.

Table 2: Respiratory Virus Detections/Isolations for the period August 23, 2020 - February 13, 2021 (Reporting Weeks 202035-202106)

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	7668	0	0	1	1	0	7668	10	7668	1	0	1	0	0	7672	39	7547	1	7668	1908	N.A.	N.A.
Prince Edward Island	1757	0	0	0	0	0	1757	3	1753	2	0	0	0	0	1753	25	1753	0	1753	208	1753	0
Nova Scotia	1100	0	0	0	0	0	1103	0	347	0	0	0	0	0	347	6	347	0	347	55	347	0
New Brunswick	47404	0	0	0	0	1	16213	0	505	0	0	0	0	0	496	7	496	0	496	45	451	0
Atlantic	57929	0	0	1	1	1	26741	13	10273	3	0	1	0	0	10268	77	10143	1	10264	2216	2551	0
Région Nord-Est	2322	0	0	0	0	0	744	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	585	0	0	1	1	0	641	0	390	0	0	0	0	0	392	20	387	0	N.A.	N.A.	370	2
Centre-du-Québec	604	0	0	0	0	0	613	1	192	0	0	0	0	0	190	13	192	0	N.A.	N.A.	189	0
Montréal-Laval	4587	0	0	0	0	0	3723	3	2578	0	0	0	0	0	2632	91	2564	0	N.A.	N.A.	2564	5
Ouest du Québec	748	0	0	0	0	0	694	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	8848	0	0	1	1	0	6417	5	3160	0	0	0	0	0	3214	124	3143	0	N.A.	N.A.	3123	7
P.H.O.L. - Ottawa	385	0	0	0	0	0	385	1	337	0	0	0	0	0	337	0	336	0	337	20	336	0
CHEO - Ottawa	3537	0	0	1	1	1	3134	4	527	0	0	0	0	0	527	10	527	1	527	57	527	0
P.H.O.L. - Kingston	672	0	0	1	1	0	672	0	455	0	0	0	0	0	455	3	449	0	455	102	449	0
UHN / Mount Sinai Hospital	7094	2	0	1	3	1	7025	5	6715	1	2	2	8	0	5089	7	6675	8	6472	79	4511	5
P.H.O.L. - Toronto	4302	0	0	0	0	0	4299	2	3985	0	0	0	0	2	3986	11	3984	0	3985	143	3984	4
Sick Kids Hospital - Toronto	854	0	0	0	0	0	0	0	854	0	0	0	0	0	854	12	854	0	854	88	854	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	110	0	0	2	2	0	108	0	82	0	0	0	0	0	82	0	82	0	82	6	82	0
P.H.O.L. - Timmins	575	0	0	0	0	0	575	0	144	0	0	0	0	0	144	0	143	0	144	30	143	0
St. Joseph's - London	218	0	0	0	0	0	218	0	55	0	0	0	0	0	55	0	55	0	91	8	36	0
P.H.O.L. - London	1576	1	0	5	6	2	1566	0	1176	0	0	0	0	2	1176	2	1171	0	1176	124	1171	3
P.H.O.L. - Orillia	294	0	0	1	1	0	292	0	189	0	0	0	0	0	189	1	189	0	189	12	189	0
P.H.O.L. - Thunder Bay	352	0	0	0	0	0	352	0	341	0	0	0	0	0	342	2	341	0	341	131	341	0
P.H.O.L. - Sudbury	367	0	0	0	0	0	365	0	303	0	0	0	0	0	303	1	303	0	303	27	303	0
P.H.O.L. - Hamilton	1275	0	0	0	0	0	1224	1	1044	0	0	0	0	0	1044	2	1044	0	1044	93	1044	0
P.H.O.L. - Peterborough	362	0	0	1	1	0	316	0	246	0	0	0	0	0	246	0	246	0	246	20	246	0
St. Joseph's - Hamilton	6446	0	0	0	0	0	6446	1	6446	0	0	0	0	0	6446	17	6446	0	6446	377	0	0
Province of Ontario	28419	3	0	12	15	4	26977	14	22899	1	2	2	8	4	21275	68	22845	9	22692	1317	14216	12
Manitoba	31559	0	0	0	0	1	31549	65	2324	0	1	1	0	0	2324	17	2198	1	2324	120	2198	3
Province of Saskatchewan	13896	0	0	0	0	0	5083	3	1386	0	0	1	1	0	1386	9	1386	0	1386	143	1386	2
Province of Alberta	92436	4	0	5	9	0	68642	0	68642	2	18	2	5	0	68642	117	68642	11	68642	5746	68642	19
Prairies	137891	4	0	5	9	1	105274	68	72352	2	19	4	6	0	72352	143	72226	12	72352	6009	72226	24
British Columbia	48053	1	2	4	7	5	47928	5	11352	0	2	0	6	0	11901	57	11855	48	11676	1071	7688	17
Yukon	3404	0	0	8	8	7	3357	4	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	1036	0	0	0	0	0	1018	0	1018	0	0	0	1	0	1018	9	1018	1	1018	310	1018	0
Nunavut	1092	0	0	0	0	0	1081	0	1081	3	1	0	0	0	1081	25	1081	5	1081	279	181	0
Territories	5532	0	0	8	8	7	5456	4	2099	3	1	0	1	0	2099	34	2099	6	2099	589	1199	0
CANADA	286672	8	2	31	41	18	218793	109	122135	9	24	7	21	4	121109	503	122311	76	119083	11202	101003	60

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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, 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.

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

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

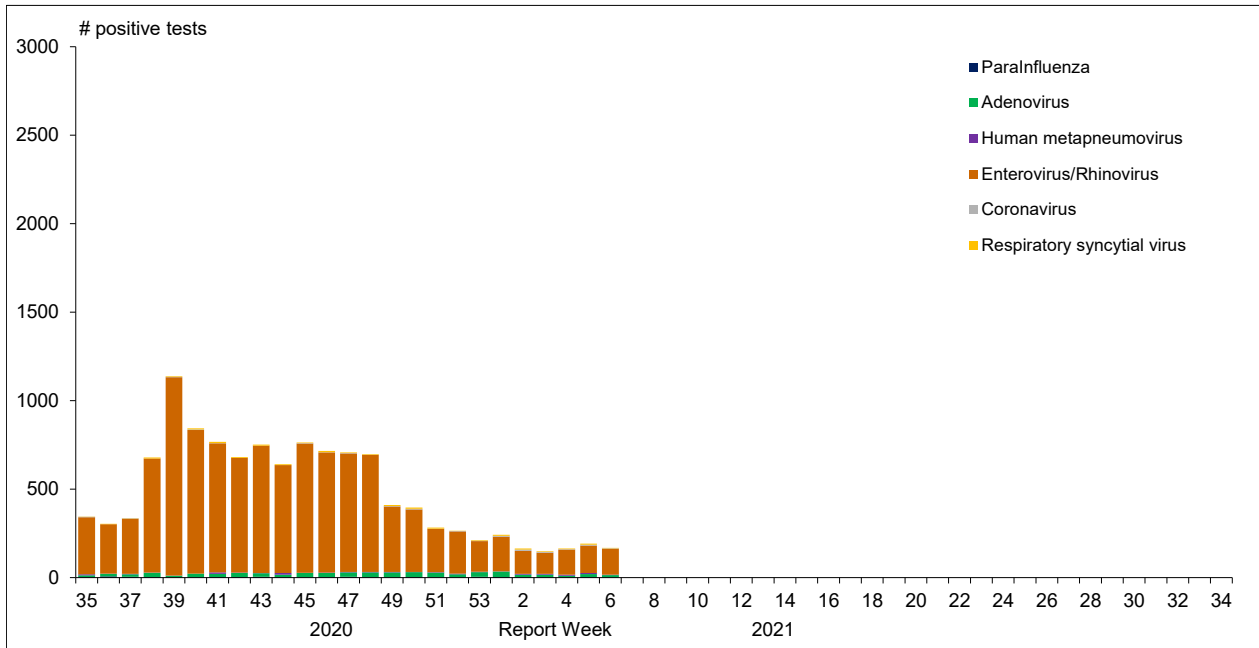


Figure 2 : Positive Influenza Tests (%) in Canada by Region by Week of Report

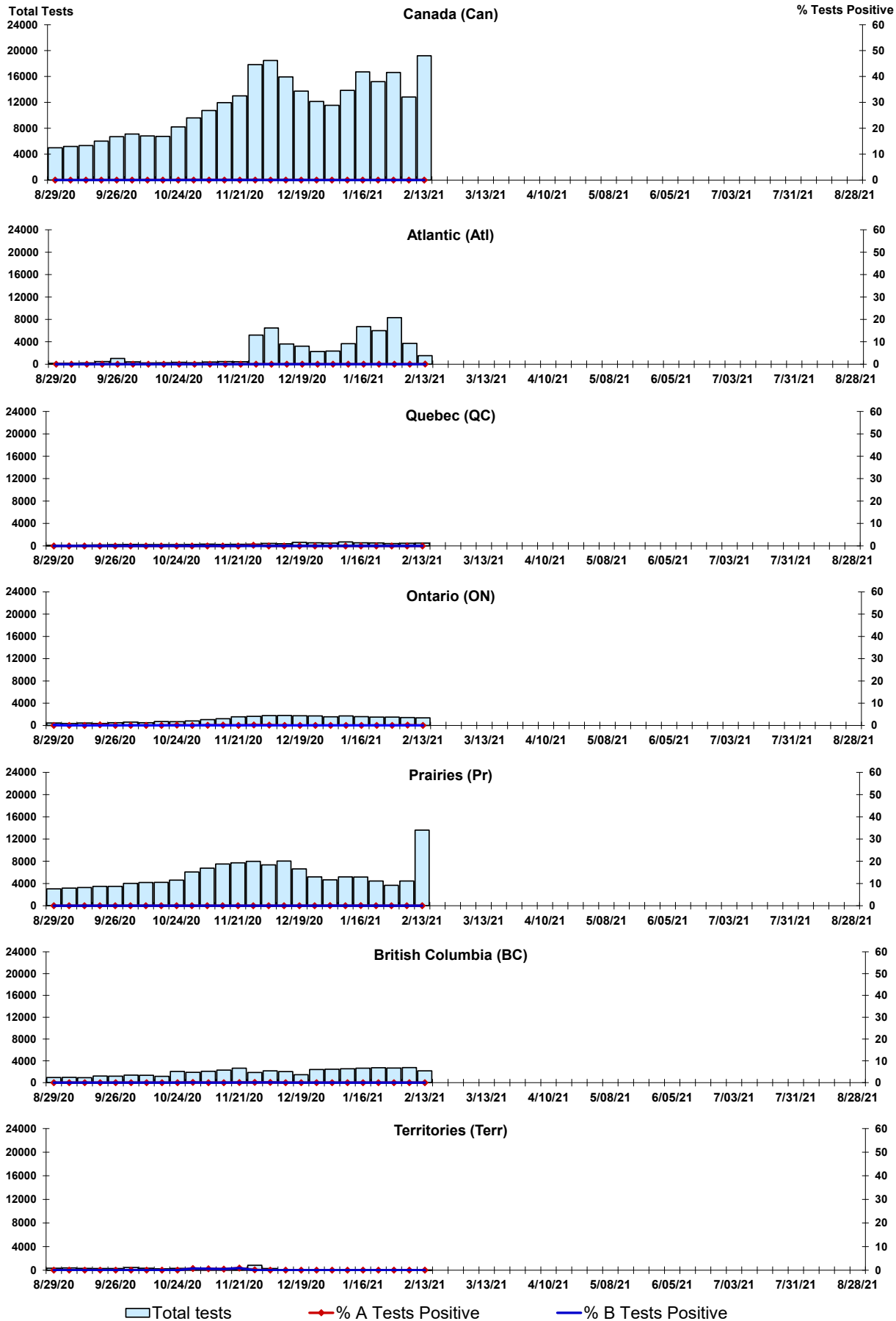


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

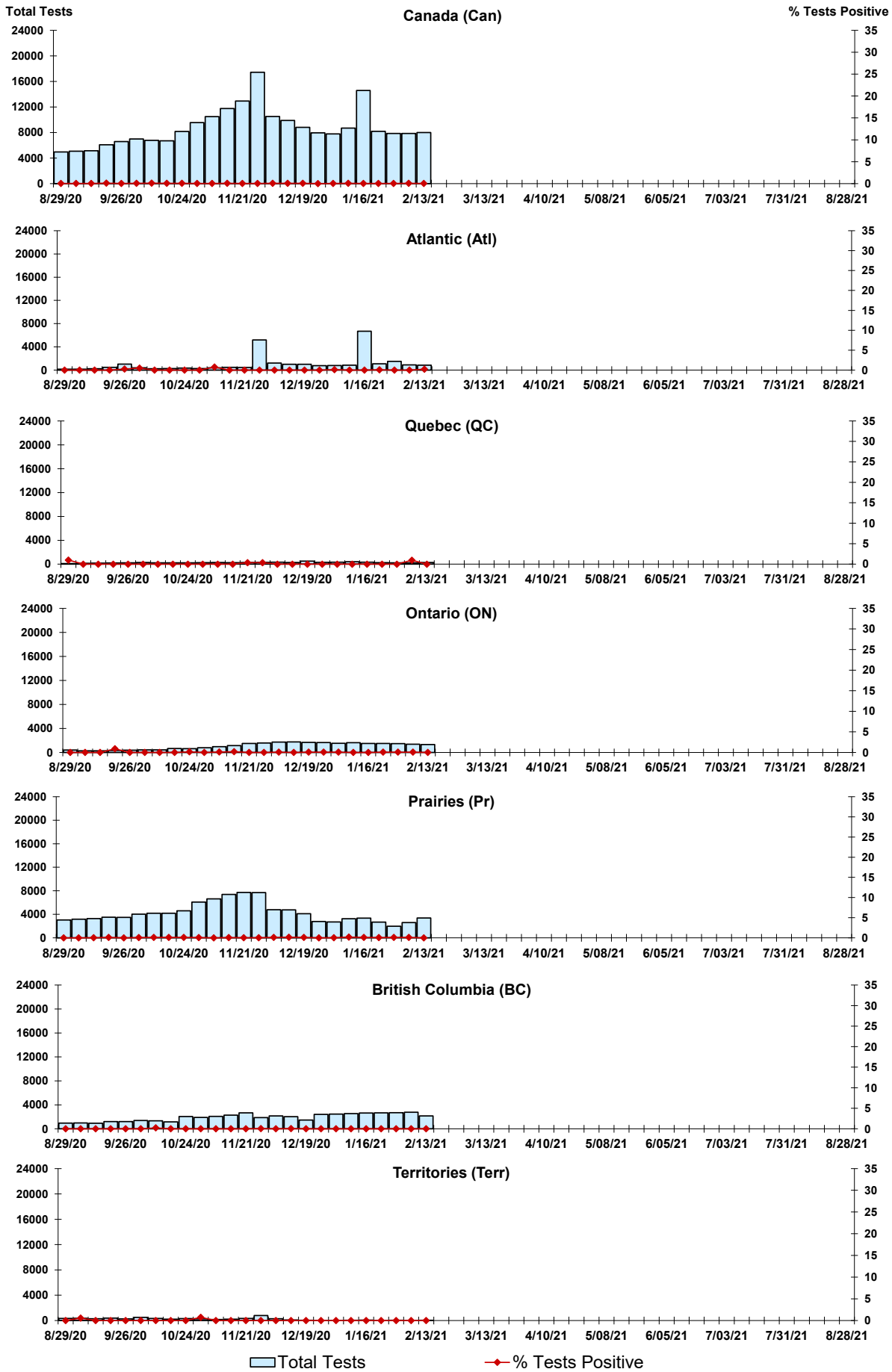
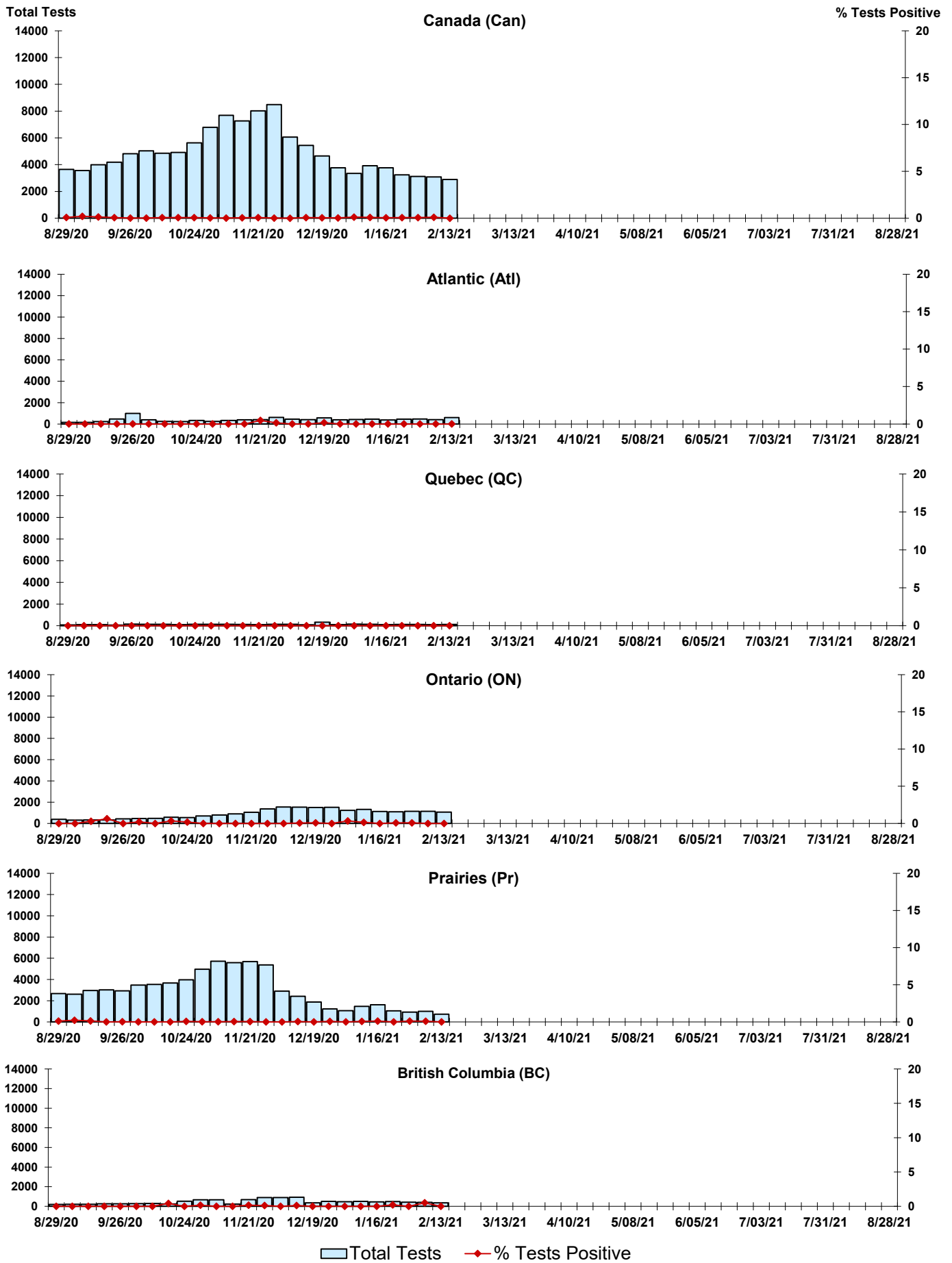


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report



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

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

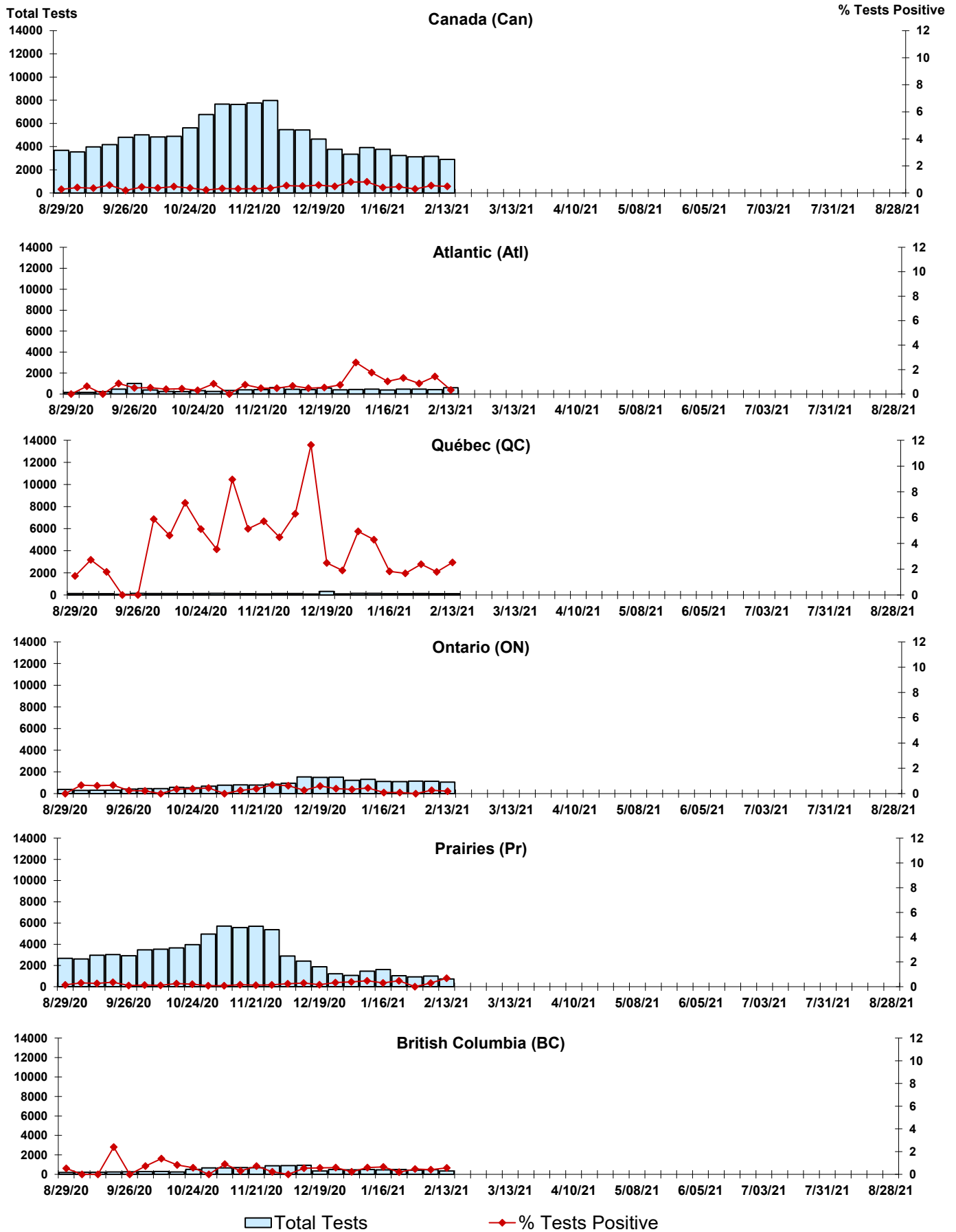


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

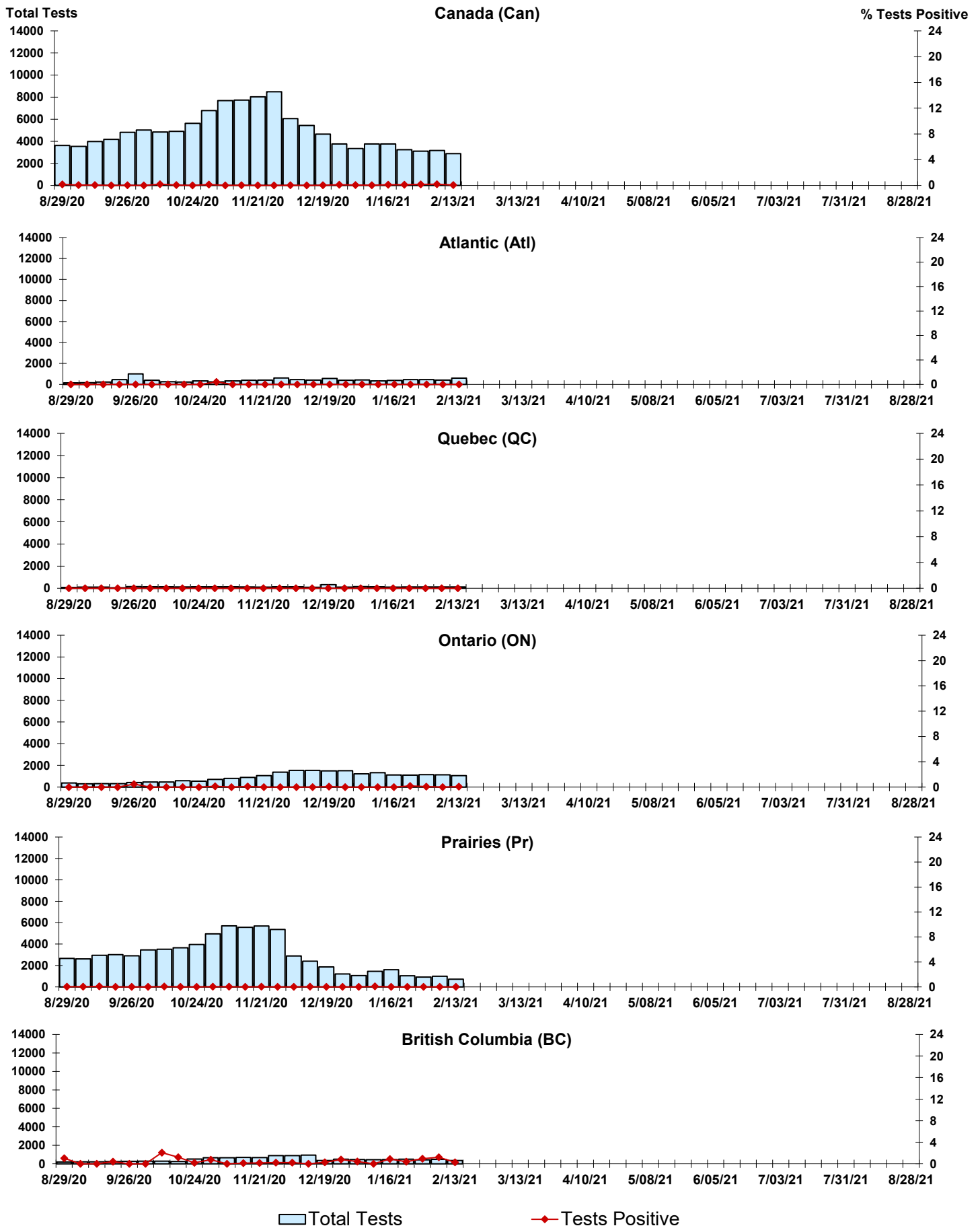


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

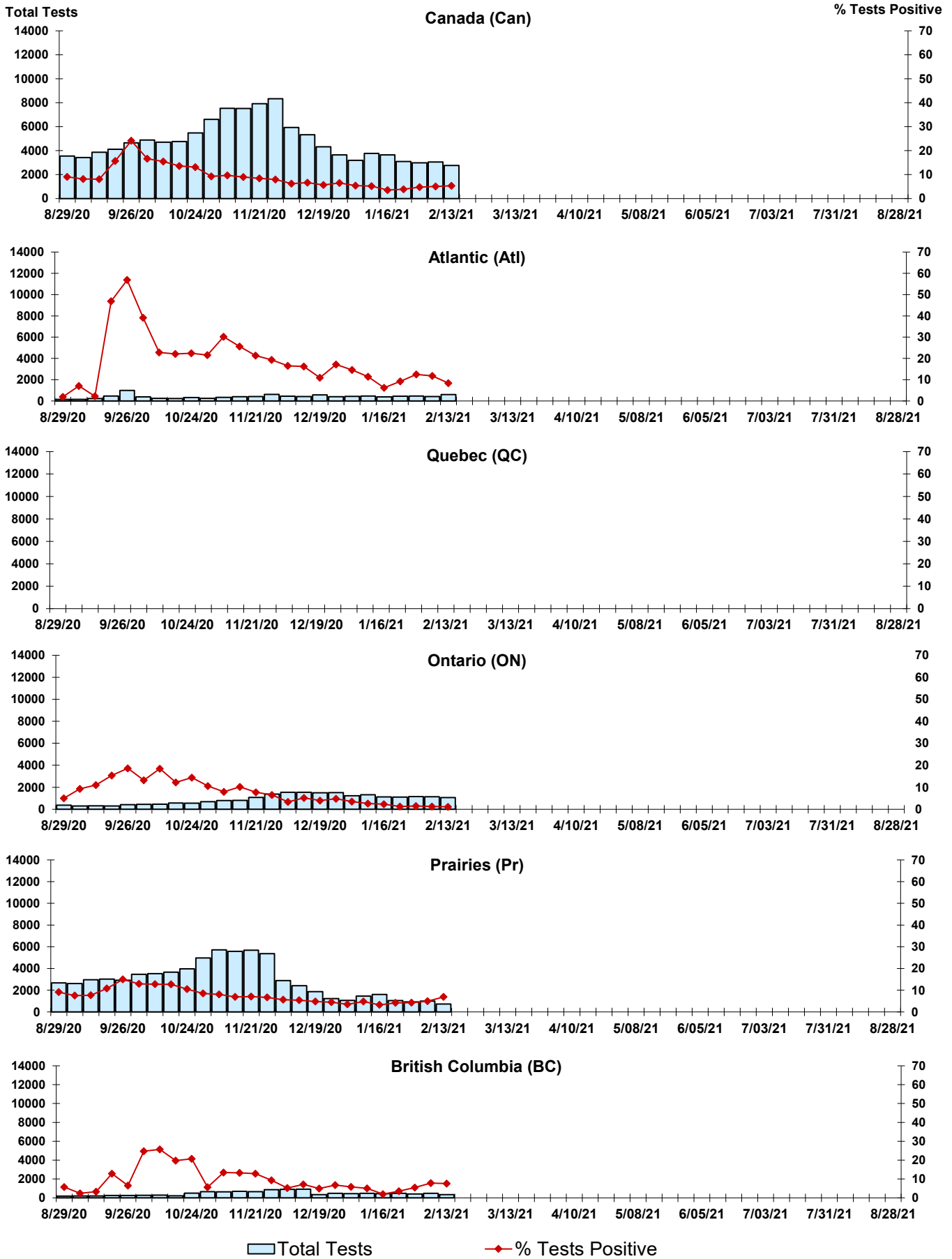
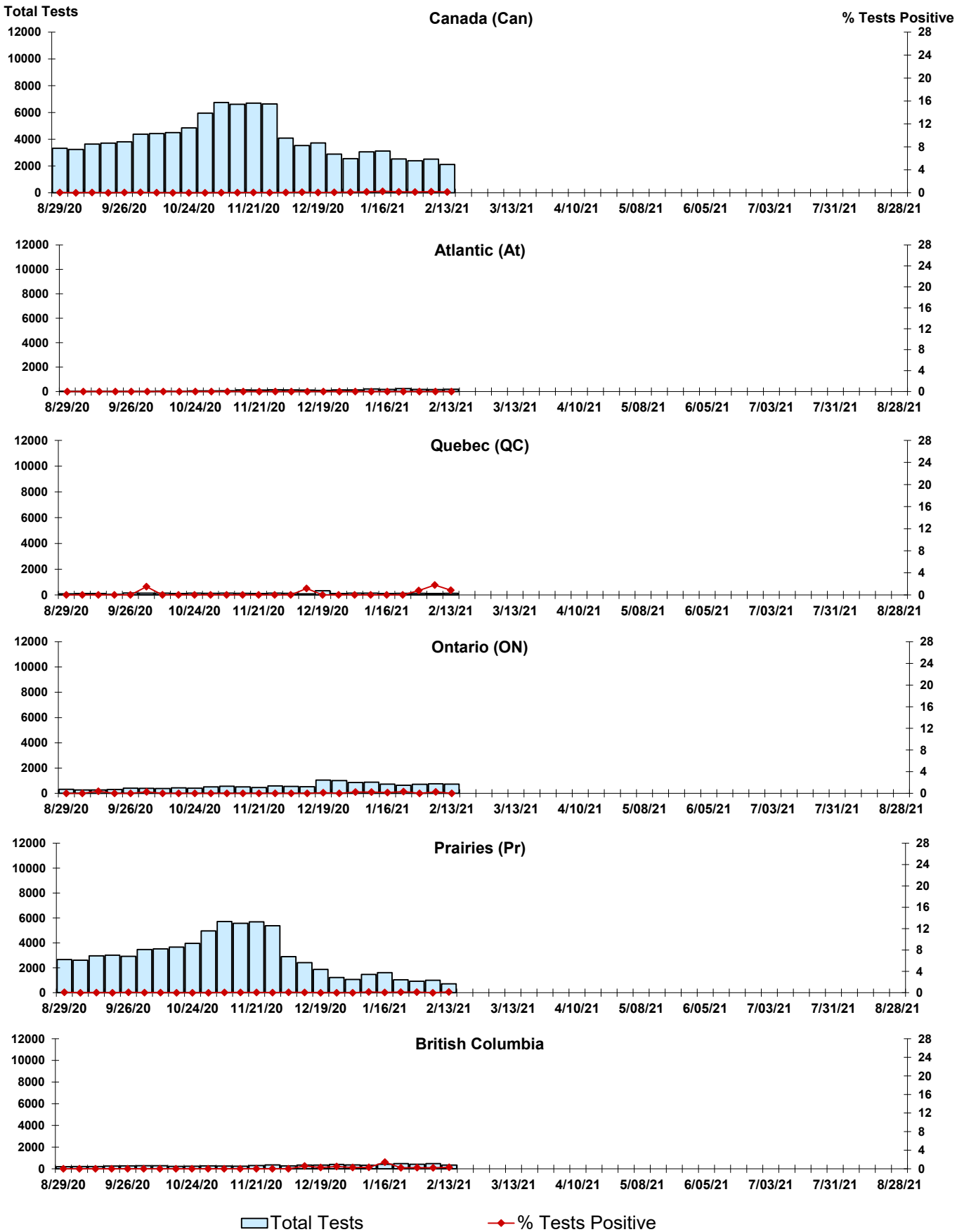


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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:

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