

Respiratory Virus Report, Week 53 - ending January 2, 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 January 2, 2021 (Reporting Week 202053)

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	297	0	0	0	0	0	297	1	297	0	0	0	0	0	297	4	297	0	297	45	N.A.	N.A.
Prince Edward Island	93	0	0	0	0	0	93	0	93	0	0	0	0	0	93	5	93	0	93	12	93	0
Nova Scotia	41	0	0	0	0	0	41	0	9	0	0	0	0	0	9	1	9	0	9	3	9	0
New Brunswick	1926	0	0	0	0	0	352	0	27	0	0	0	0	0	27	1	27	0	27	2	27	0
Atlantic	2357	0	0	0	0	0	783	1	426	0	0	0	0	0	426	11	426	0	426	62	129	0
Région Nord-Est	148	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	27	0	0	0	0	0	31	0	15	0	0	0	0	0	15	1	15	0	N.A.	N.A.	15	0
Centre-du-Québec	41	0	0	0	0	0	41	0	6	0	0	0	0	0	6	0	6	0	N.A.	N.A.	6	0
Montréal-Laval	245	0	0	0	0	0	161	0	121	0	0	0	0	0	121	6	121	0	N.A.	N.A.	121	0
Ouest du Québec	34	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	496	0	0	0	0	0	312	0	142	0	0	0	0	0	142	7	142	0	N.A.	N.A.	142	0
P.H.O.L. - Ottawa	18	0	0	0	0	0	18	0	13	0	0	0	0	0	13	0	13	0	13	2	13	0
CHEO - Ottawa	225	0	0	0	0	0	225	0	19	0	0	0	0	0	19	1	19	0	19	3	19	0
P.H.O.L. - Kingston	32	0	0	0	0	0	32	0	5	0	0	0	0	0	5	0	5	0	5	0	5	0
UHN / Mount Sinai Hospital	489	0	0	0	0	0	489	0	483	0	0	0	4	0	483	0	483	0	483	2	483	0
P.H.O.L. - Toronto	170	0	0	0	0	0	170	0	170	0	0	0	0	0	170	1	170	0	170	4	170	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	2	0	0	0	0	0	2	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
P.H.O.L. - Timmins	36	0	0	0	0	0	36	0	2	0	0	0	0	0	2	0	2	0	2	0	2	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	86	0	0	0	0	0	86	0	80	0	0	0	0	0	80	0	79	0	80	2	79	2
P.H.O.L. - Orillia	6	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	6	0	6	0	6	0
P.H.O.L. - Thunder Bay	8	0	0	0	0	0	8	0	8	0	0	0	0	0	8	0	8	0	8	1	8	0
P.H.O.L. - Sudbury	9	0	0	0	0	0	9	0	9	0	0	0	0	0	9	0	9	0	9	0	9	0
P.H.O.L. - Hamilton	49	0	0	0	0	0	49	0	22	0	0	0	0	0	22	0	22	0	22	5	22	0
P.H.O.L. - Peterborough	14	0	0	0	0	0	14	0	7	0	0	0	0	0	7	0	7	0	7	0	7	0
St. Joseph's - Hamilton	378	0	0	0	0	0	378	1	378	0	0	0	0	0	378	2	378	0	378	20	0	0
Province of Ontario	1522	0	0	0	0	0	1522	1	1203	0	0	0	4	0	1203	4	1202	0	1203	39	824	2
Province of Manitoba	1453	0	0	0	0	0	1453	1	99	0	0	0	0	0	99	0	96	0	99	0	96	0
Province of Saskatchewan	271	0	0	0	0	0	271	0	33	0	0	0	0	0	33	0	33	0	33	2	33	0
Province of Alberta	2705	1	0	0	1	0	830	0	830	0	0	0	0	0	830	4	830	0	830	27	830	0
Prairies	4429	1	0	0	1	0	2554	1	962	0	0	0	0	0	962	4	959	0	962	29	959	0
British Columbia	2298	0	0	0	0	0	2298	0	304	0	0	0	0	0	304	0	304	2	288	17	192	1
Yukon	0	0	0	0	0	0	0	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	15	0	0	0	0	0	13	0	13	0	0	0	0	0	13	0	13	0	13	1	13	0
Nunavut	2	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
Territories	17	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	14	0	14	1	14	0
CANADA	11119	1	0	0	1	0	7483	3	3051	0	0	0	4	0	3051	26	3047	2	2893	148	2260	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 - January 2, 2021 (Reporting Weeks 202035-202053)

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	6042	0	0	0	0	0	6042	7	6042	1	0	1	0	0	6045	26	6042	1	6042	1708	N.A.	N.A.
Prince Edward Island	802	0	0	0	0	0	802	2	798	2	0	0	0	0	798	12	798	0	798	144	798	0
Nova Scotia	790	0	0	0	0	0	792	0	269	0	0	0	0	0	269	4	269	0	269	46	269	0
New Brunswick	20374	0	0	0	0	1	7228	0	374	0	0	0	0	0	365	5	365	0	365	42	320	0
Atlantic	28008	0	0	0	0	1	14864	9	7483	3	0	1	0	0	7477	47	7474	1	7474	1940	1387	0
Région Nord-Est	1236	0	0	0	0	0	585	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	423	0	0	1	1	0	474	0	290	0	0	0	0	0	292	16	287	0	N.A.	N.A.	270	0
Centre-du-Québec	425	0	0	0	0	0	430	1	146	0	0	0	0	0	144	10	146	0	N.A.	N.A.	143	0
Montréal-Laval	3073	0	0	0	0	0	2774	1	1999	0	0	0	0	0	2053	80	1989	0	N.A.	N.A.	1989	3
Ouest du Québec	537	0	0	0	0	0	501	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	5695	0	0	1	1	0	4765	3	2435	0	0	0	0	0	2489	106	2422	0	N.A.	N.A.	2402	3
P.H.O.L. - Ottawa	300	0	0	0	0	0	300	1	286	0	0	0	0	0	286	0	285	0	286	18	285	0
CHEO - Ottawa	2583	0	0	1	1	1	2180	4	410	0	0	0	0	0	410	6	410	0	410	41	410	0
P.H.O.L. - Kingston	568	0	0	1	1	0	568	0	403	0	0	0	0	0	403	2	399	0	403	101	399	0
UHN / Mount Sinai Hospital	4014	1	0	0	1	1	4014	2	3745	0	2	1	6	0	2119	3	3705	5	3502	53	1541	1
P.H.O.L. - Toronto	3257	0	0	0	0	0	3254	2	3253	0	0	0	0	2	3254	10	3252	0	3253	133	3252	2
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	79	0	0	2	2	0	77	0	74	0	0	0	0	0	74	0	74	0	74	3	74	0
P.H.O.L. - Timmins	372	0	0	0	0	0	372	0	121	0	0	0	0	0	121	0	120	0	121	26	120	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	1213	1	0	5	6	2	1203	0	1106	0	0	0	0	2	1106	2	1101	0	1106	120	1101	2
P.H.O.L. - Orillia	188	0	0	1	1	0	186	0	184	0	0	0	0	0	184	1	184	0	184	12	184	0
P.H.O.L. - Thunder Bay	314	0	0	0	0	0	314	0	314	0	0	0	0	0	315	2	314	0	314	126	314	0
P.H.O.L. - Sudbury	270	0	0	0	0	0	268	0	266	0	0	0	0	0	266	1	266	0	266	25	266	0
P.H.O.L. - Hamilton	1011	0	0	0	0	0	968	1	891	0	0	0	0	0	891	2	891	0	891	93	891	0
P.H.O.L. - Peterborough	294	0	0	1	1	0	248	0	228	0	0	0	0	0	228	0	228	0	228	18	228	0
St. Joseph's - Hamilton	3994	0	0	0	0	0	3994	1	3994	0	0	0	0	0	3994	16	3994	0	3994	342	0	0
Province of Ontario	18675	2	0	11	13	4	18164	11	15330	0	2	1	6	4	13706	45	15278	5	15123	1119	9101	5
Manitoba	22655	0	0	0	0	1	22655	49	1809	0	1	1	0	0	1809	12	1709	1	1809	114	1709	1
Province of Saskatchewan	2670	0	0	0	0	0	2670	2	1070	0	0	1	0	0	1070	8	1070	0	1070	120	1070	0
Province of Alberta	75816	1	0	3	4	0	62615	0	62615	2	17	1	3	0	62615	98	62615	10	62615	5464	62615	17
Prairies	101141	1	0	3	4	1	87940	51	65494	2	18	3	3	0	65494	118	65394	11	65494	5698	65394	18
British Columbia	32338	1	2	4	7	5	32335	5	8567	0	2	0	3	0	9033	43	9033	31	8861	925	5082	6
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	795	0	0	0	0	0	791	0	791	0	0	0	1	0	791	6	791	1	791	253	791	0
Nunavut	1072	0	0	0	0	0	1068	0	1068	3	1	0	0	0	1068	25	1068	5	1068	277	175	0
Territories	5271	0	0	8	8	7	5216	4	1859	3	1	0	1	0	1859	31	1859	6	1859	530	966	0
CANADA	191128	4	2	27	33	18	163284	83	101168	8	23	5	13	4	100058	390	101460	54	98811	10212	84332	32

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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

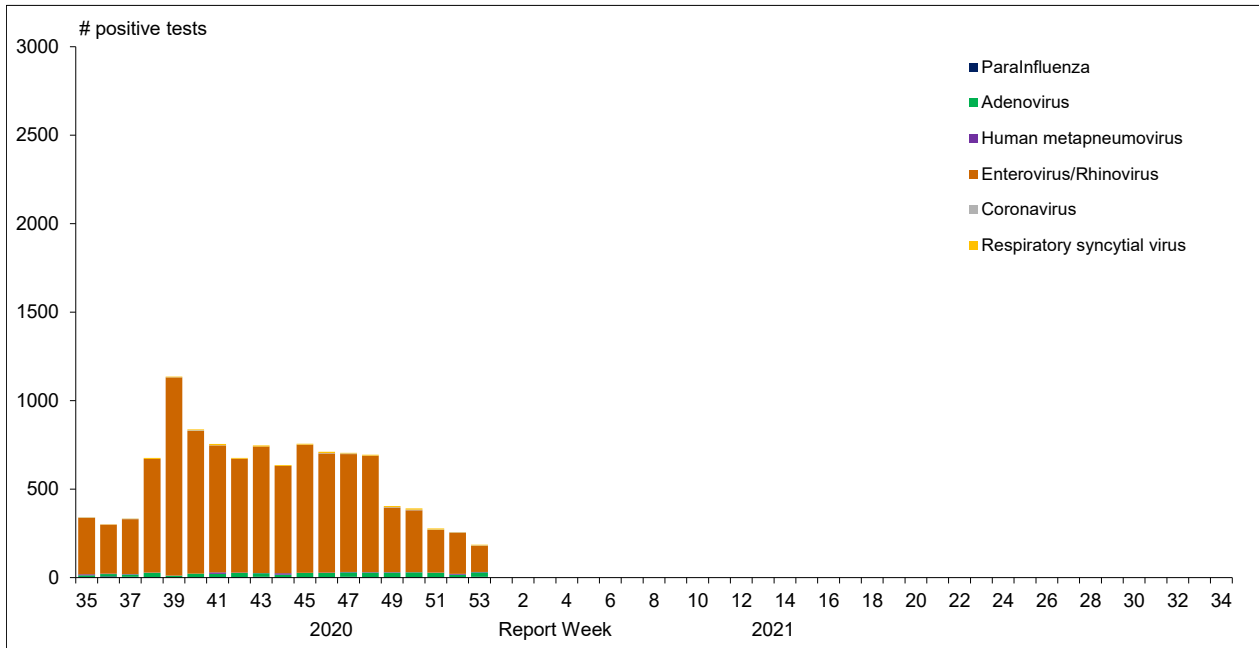


Figure 2 : Positive Influenza Tests (%) in Canada by Region by Week of Report

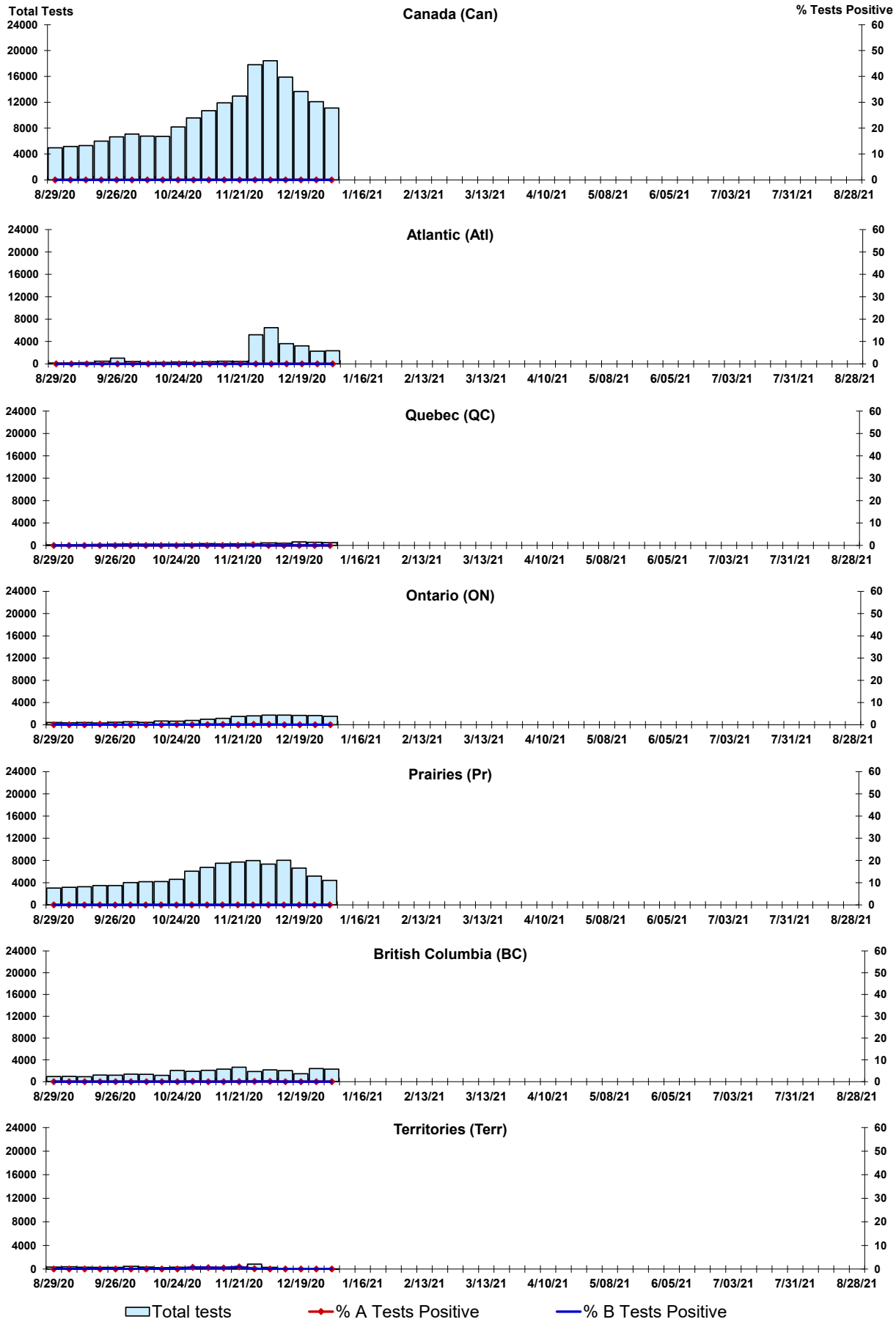


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

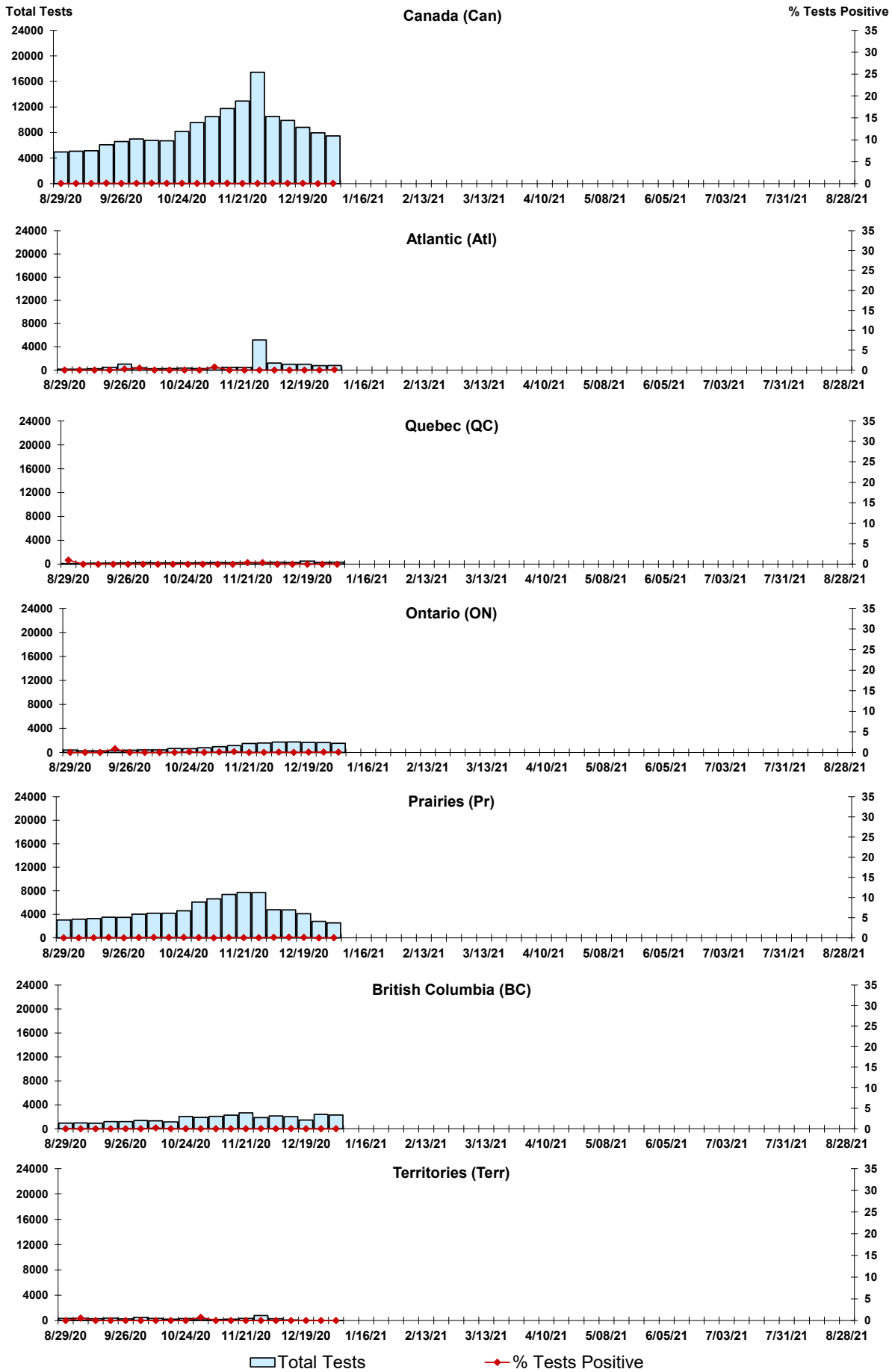
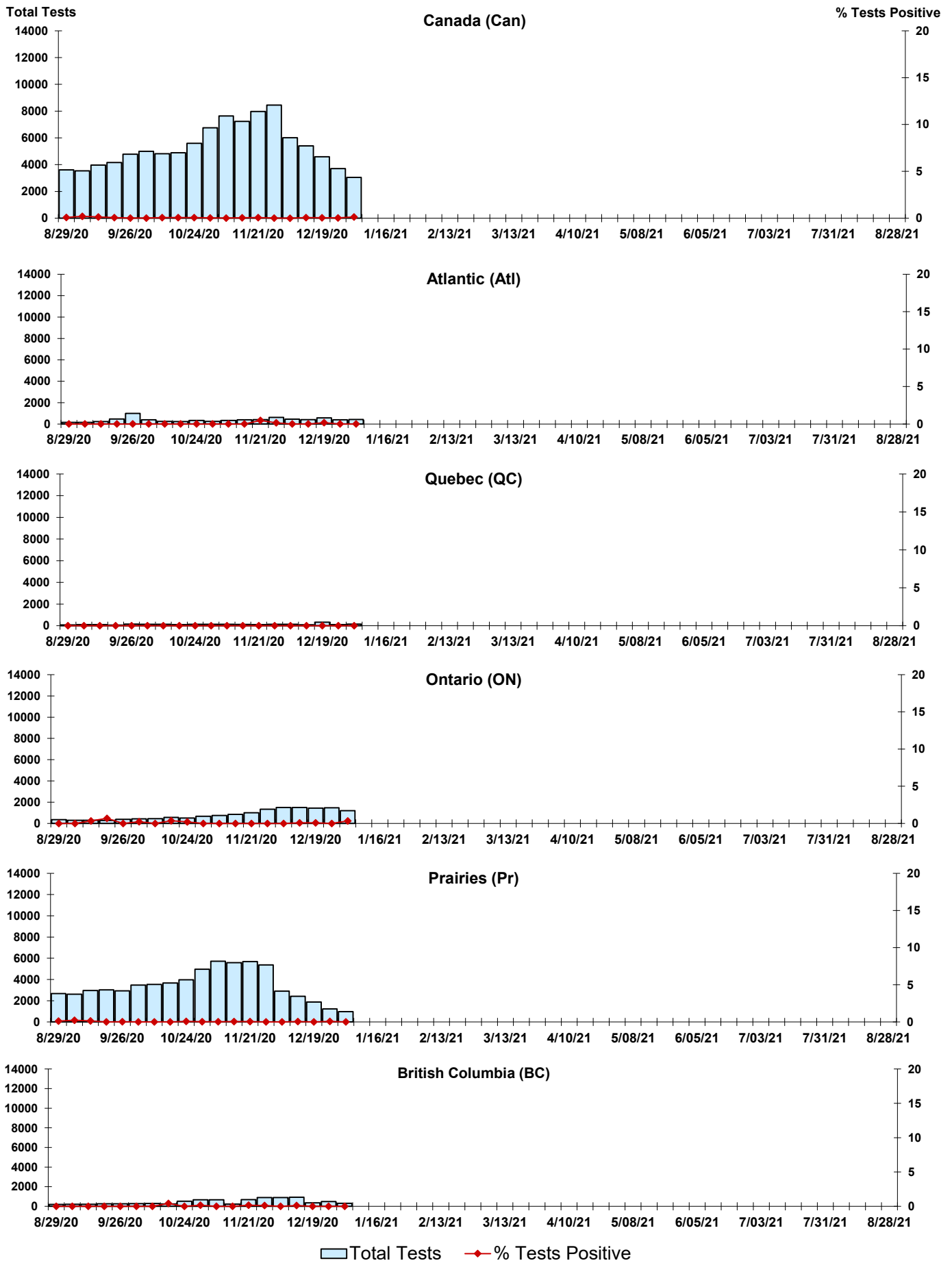


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report



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

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

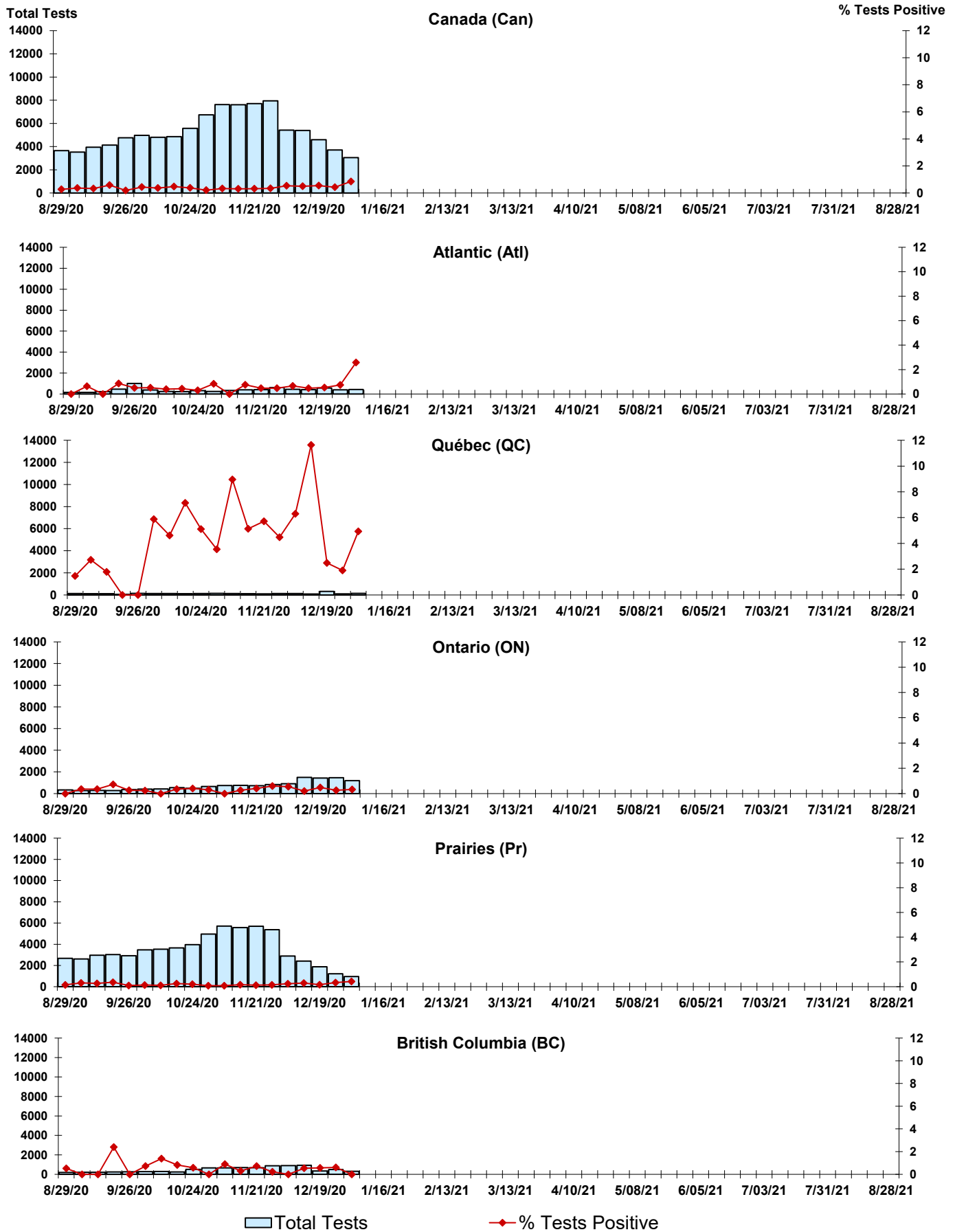
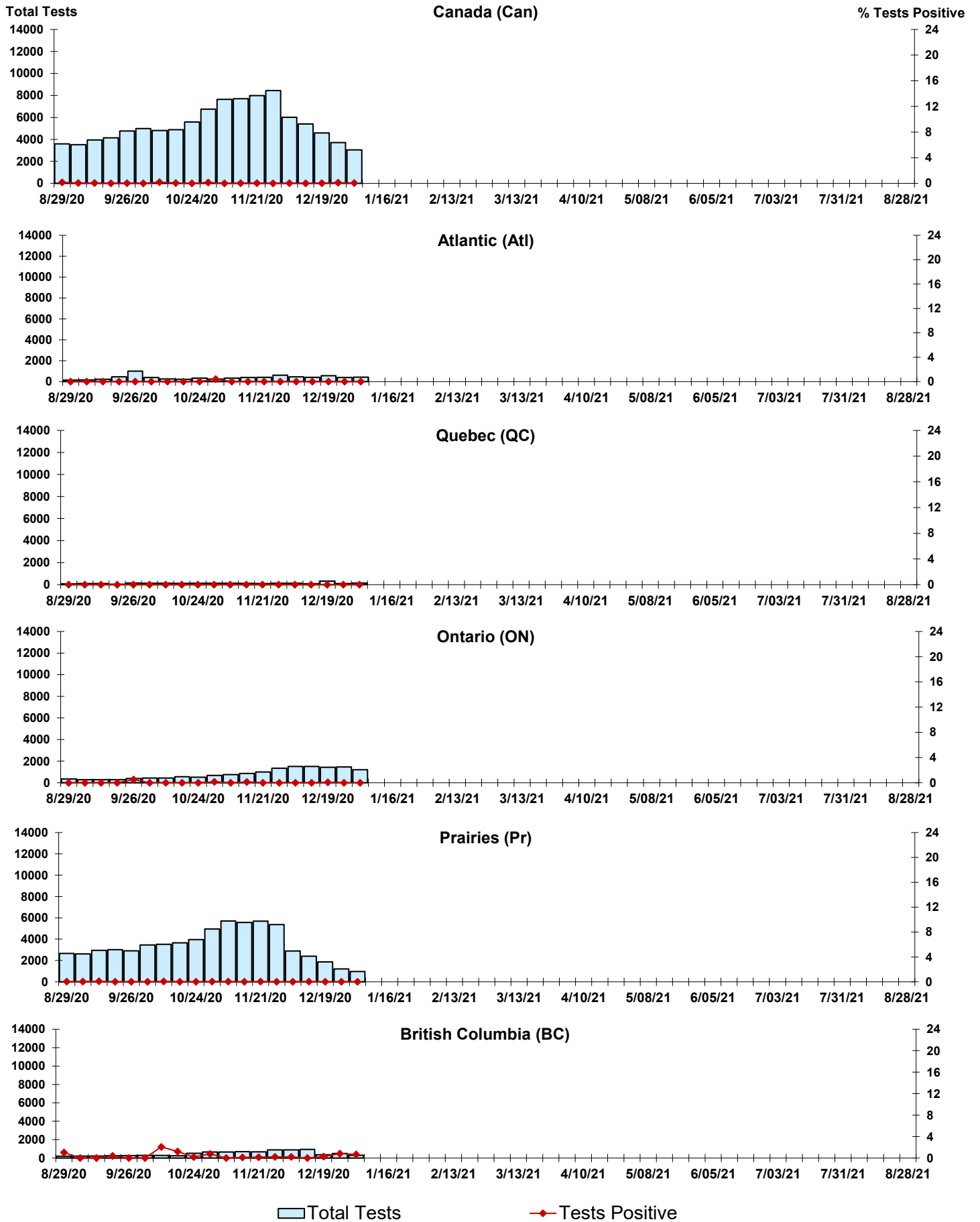


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report



Legend: Total Tests ◆ Tests Positive

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

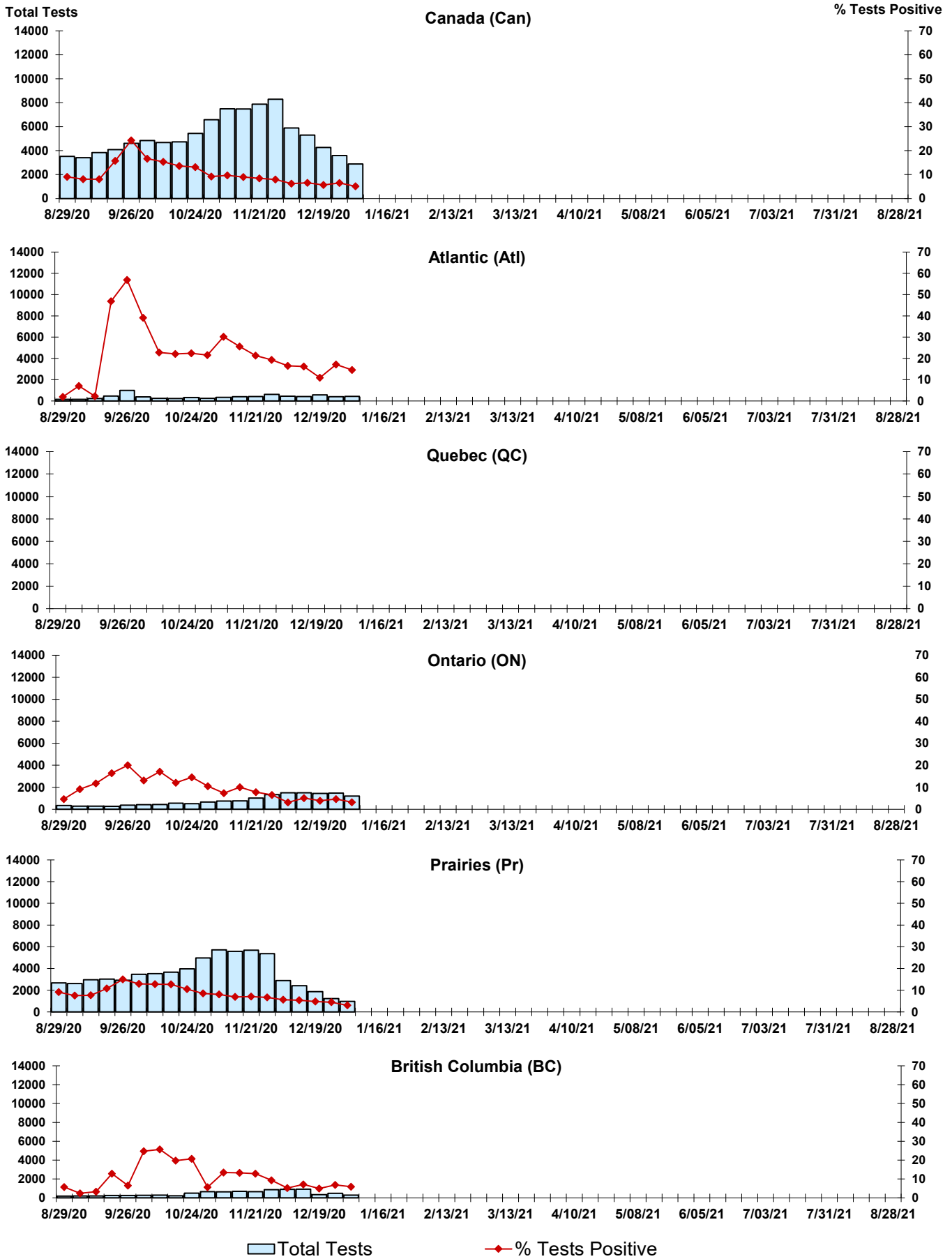
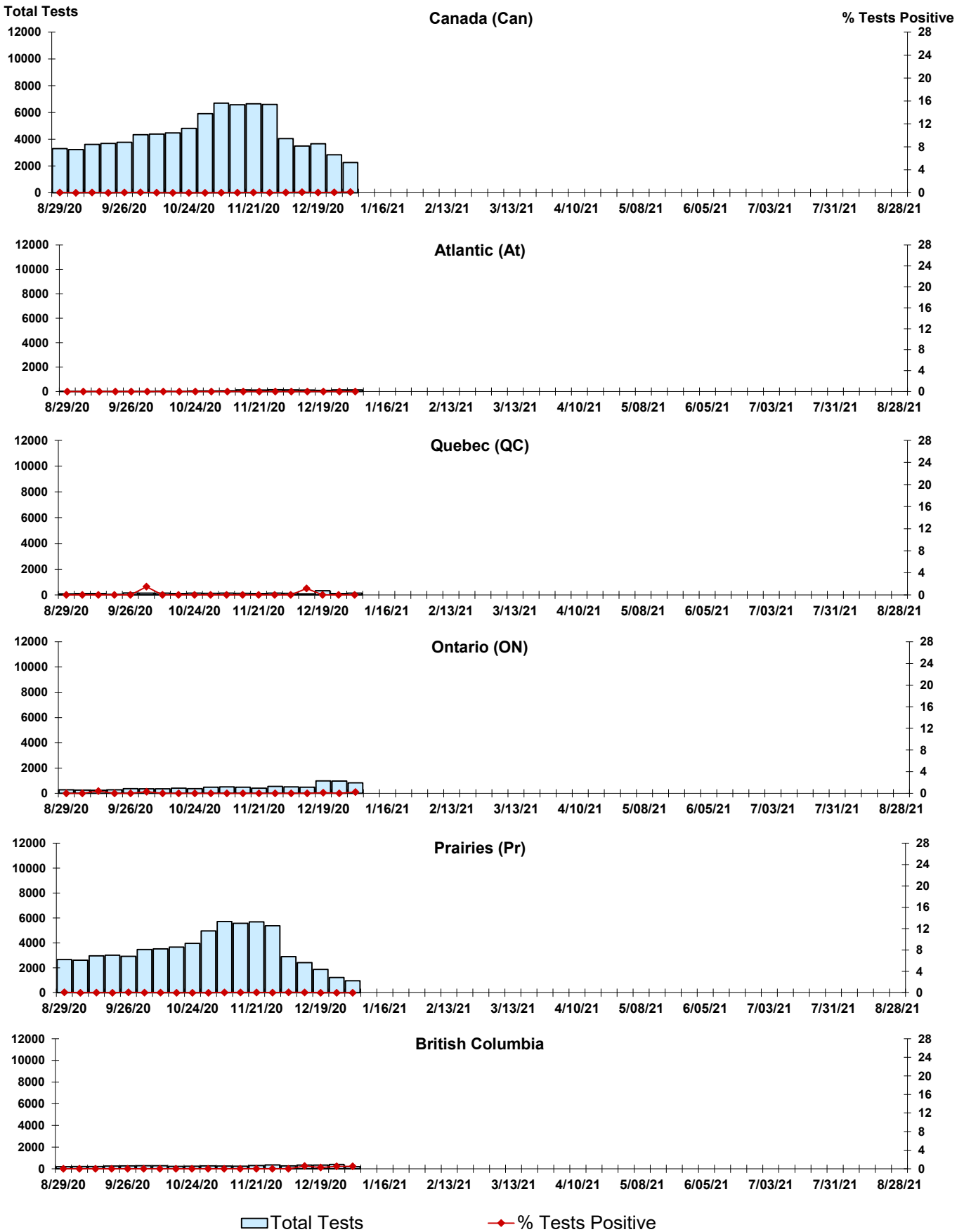


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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:

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