

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 01 - ending January 4, 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.

Table 1: Respiratory Virus Detections/Isolations for the week ending January 4, 2020 (Reporting Week 202001)

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	156	0	0	10	10	10	156	28	145	5	0	0	0	0	156	4	156	3	156	11	N.A.	N.A.
Prince Edward Island	41	0	0	1	1	3	41	3	1	0	0	0	0	0	1	0	1	0	1	0	1	0
Nova Scotia	132	0	0	13	13	1	134	11	19	0	0	0	2	0	19	0	19	0	19	2	19	1
New Brunswick	396	0	0	19	19	41	396	65	94	0	0	0	0	0	94	1	94	0	94	9	94	1
Atlantic	725	0	0	43	43	55	727	107	259	5	0	0	2	0	270	5	270	3	270	22	114	2
Région Nord-Est	328	0	0	37	37	32	265	16	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	878	0	0	106	106	66	903	81	89	2	0	0	1	0	88	4	73	1	N.A.	N.A.	69	3
Centre-du-Québec	1280	0	0	287	287	148	1090	84	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	2124	0	0	339	339	299	2042	225	761	4	0	0	0	0	761	25	751	9	N.A.	N.A.	751	18
Ouest du Québec	786	0	0	99	99	137	786	82	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	610	0	0	102	102	78	610	56	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	6006	0	0	970	970	760	5696	544	850	6	0	0	1	0	849	29	824	10	N.A.	N.A.	820	21
P.H.O.L. - Ottawa	57	10	2	1	13	1	55	4	55	0	0	0	0	0	55	0	54	1	55	2	54	0
CHEO - Ottawa	431	1	0	78	79	27	431	60	33	0	0	0	1	1	33	0	33	0	33	3	33	2
P.H.O.L. - Kingston	33	8	5	0	13	0	29	1	29	0	0	0	0	0	29	0	28	1	29	0	28	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	618	188	9	0	197	15	537	22	538	0	0	0	0	0	538	5	529	13	538	22	529	0
Sick Kids Hospital - Toronto	133	18	2	0	20	4	133	30	133	1	0	0	4	0	133	1	133	5	133	12	133	15
Sunnybrook & Women's College HSC	107	0	0	31	31	4	107	5	107	1	0	0	0	0	107	0	107	2	107	3	0	0
P.H.O.L. - Sault Ste. Marie	27	2	0	0	2	1	27	0	27	0	0	0	0	0	27	0	27	0	27	1	27	0
P.H.O.L. - Timmins	19	6	0	0	6	0	18	0	18	0	0	0	0	0	18	0	17	3	18	0	17	0
St. Joseph's - London	241	0	0	21	21	13	241	43	69	2	0	0	1	0	69	2	69	4	24	1	24	1
P.H.O.L. - London	214	25	19	2	46	8	208	21	208	0	0	0	0	0	208	2	207	8	208	21	207	0
P.H.O.L. - Orillia	96	9	5	0	14	6	96	5	96	0	0	0	0	0	96	1	96	7	96	10	96	0
P.H.O.L. - Thunder Bay	39	5	0	0	5	7	39	0	39	0	0	0	0	0	39	0	39	0	39	4	39	0
P.H.O.L. - Sudbury	31	2	2	0	4	0	29	2	29	0	0	0	0	0	29	0	28	0	29	2	28	0
P.H.O.L. - Hamilton	241	30	3	1	34	14	234	16	234	0	0	0	0	0	234	3	234	9	234	15	234	0
P.H.O.L. - Peterborough	46	6	0	0	6	0	46	1	46	0	0	0	0	0	46	0	45	2	46	3	45	0
St. Joseph's - Hamilton	955	0	0	180	180	36	955	148	955	10	1	1	0	0	955	18	955	13	955	54	0	0
Province of Ontario	3288	310	47	314	671	136	3185	358	2616	14	1	1	6	1	2616	32	2601	68	2571	153	1494	18
Manitoba	567	7	8	92	107	109	540	90	91	1	0	0	0	0	91	1	82	0	91	2	82	0
Regina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saskatoon	378	0	0	55	55	42	378	21	378	5	1	0	0	0	378	2	378	0	378	3	378	4
Saskatchewan	378	0	0	55	55	42	378	21	378	5	1	0	0	0	378	2	378	0	378	3	378	4
Alberta	1544	52	141	39	232	264	1282	0	1282	19	1	2	13	0	1282	16	1282	44	1282	98	1282	59
Prairies	2489	59	149	186	394	415	2200	111	1751	25	2	2	13	0	1751	19	1742	44	1751	103	1742	63
Province of British Columbia	1243	15	5	45	123	99	1229	128	226	7	2	1	2	0	226	3	226	31	220	38	220	10
Yukon	50	0	0	0	0	0	50	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	19	2	1	0	3	2	19	0	19	0	0	0	1	0	19	0	19	2	19	0	19	4
Nunavut	14	0	0	0	0	2	13	0	13	2	0	0	0	0	13	0	13	0	13	1	3	0
Territories	83	2	1	0	3	4	82	0	32	2	0	0	1	0	32	0	32	2	32	1	22	4
CANADA	13834	386	202	1558	2204	1469	13119	1248	5734	59	5	4	25	1	5744	88	5695	158	4844	317	4412	118

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 British Columbia, only data from subtyped influenza A specimens are included in the weekly number of influenza detections. 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, 2019-2020

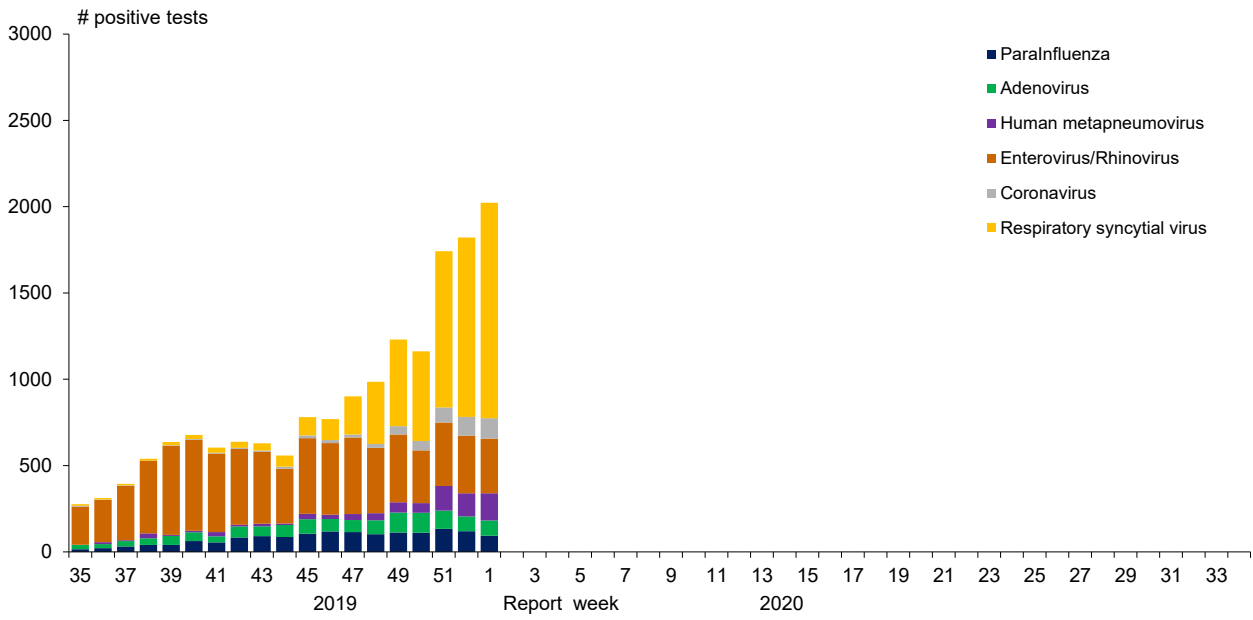


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

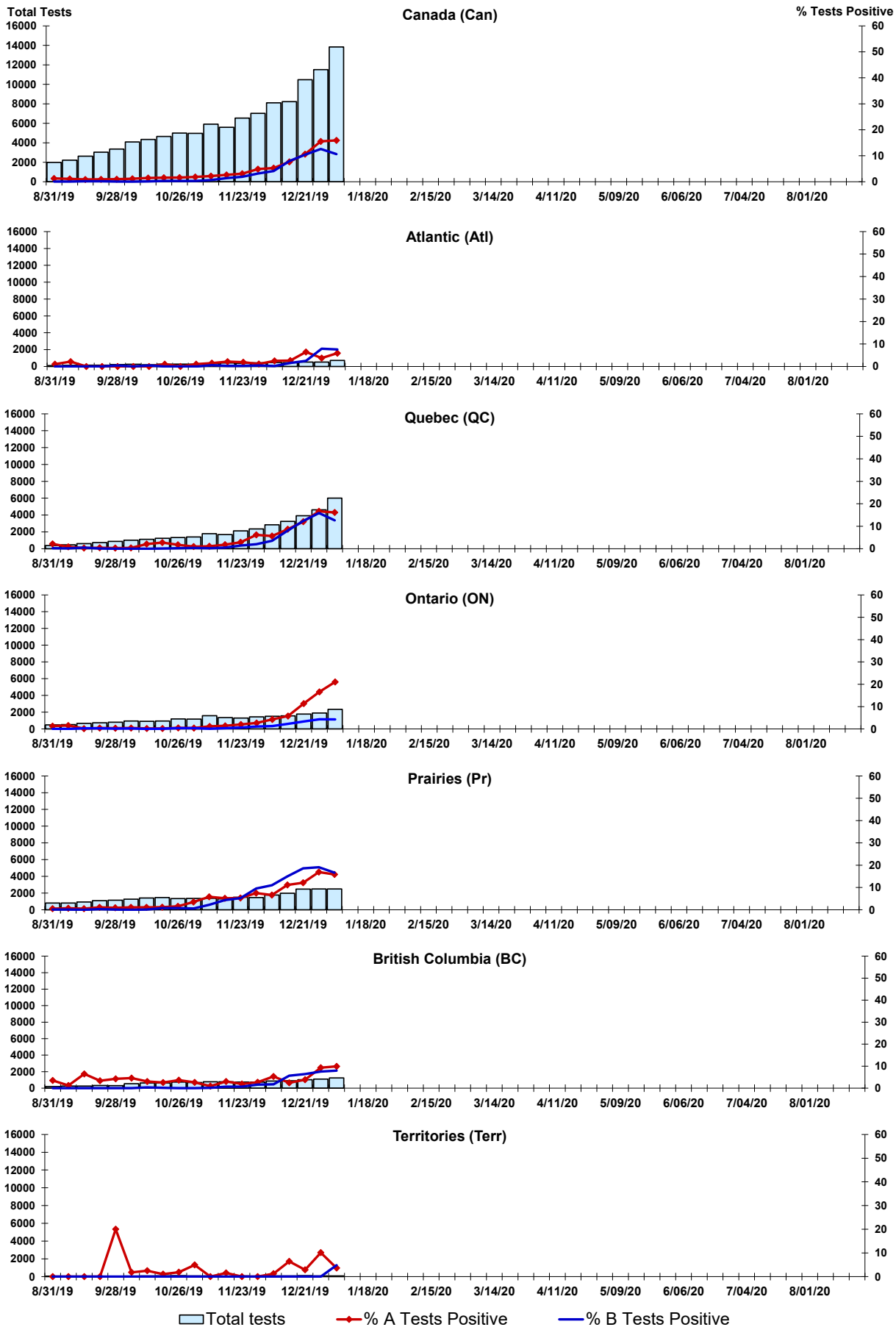


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

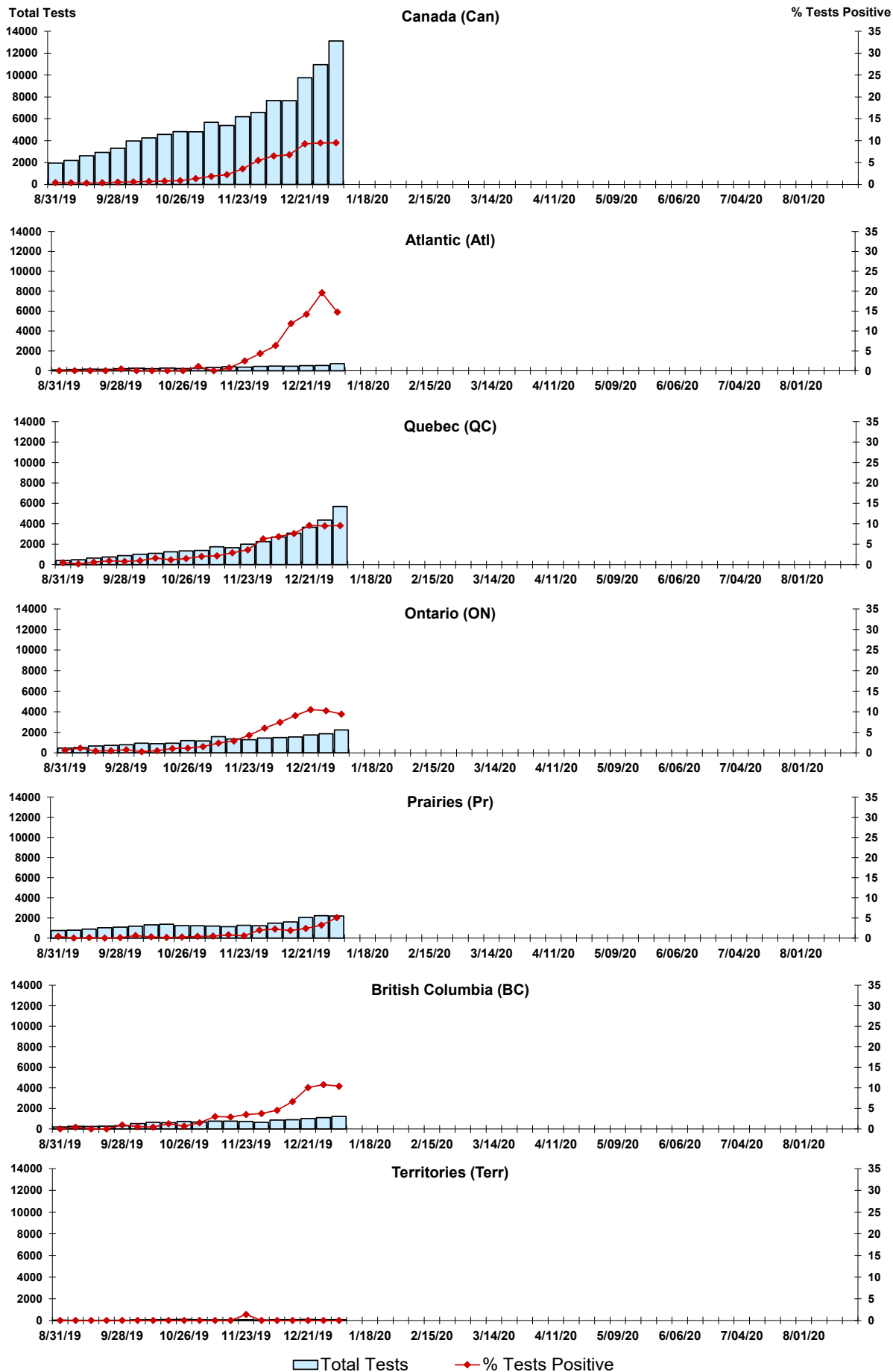


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

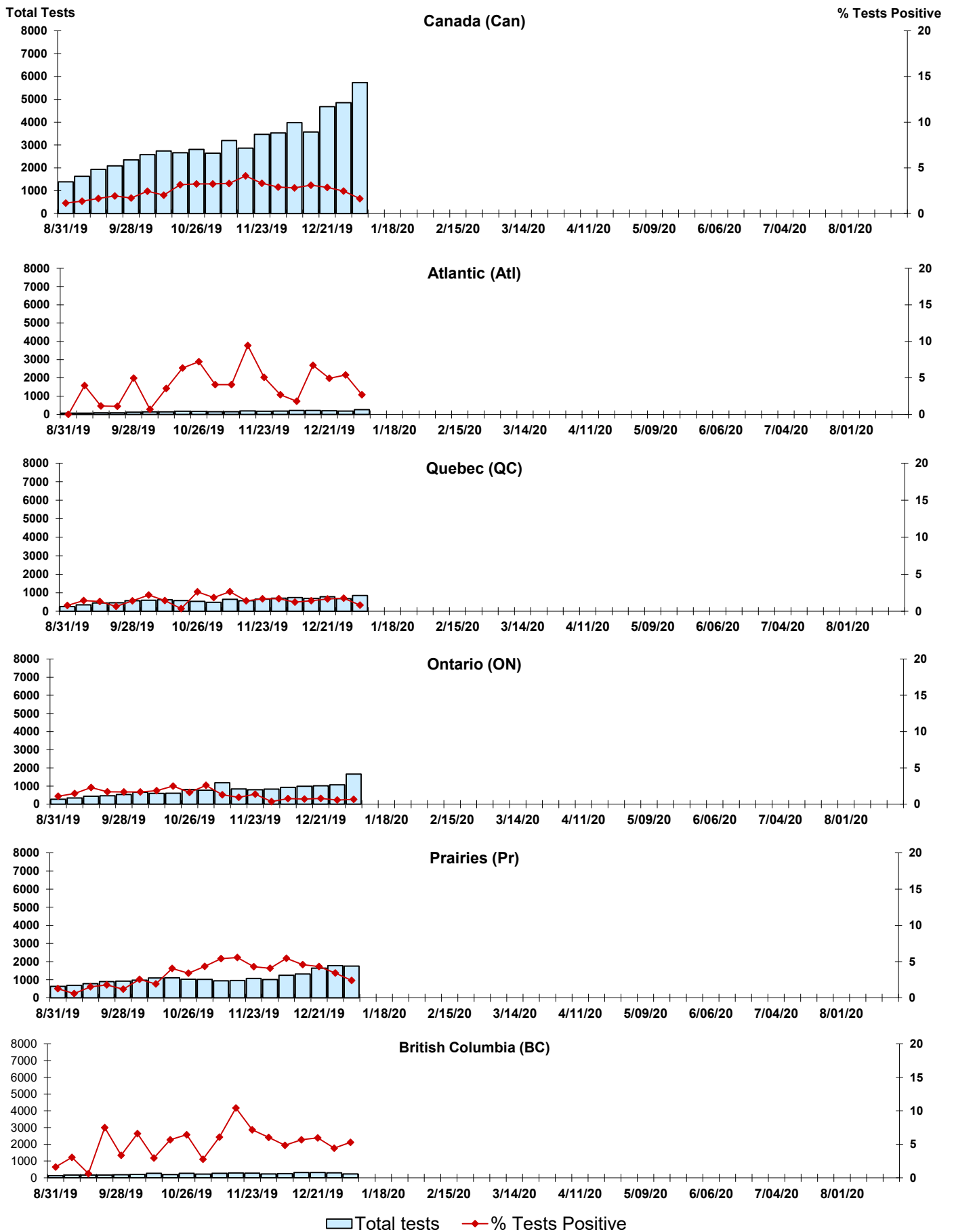


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

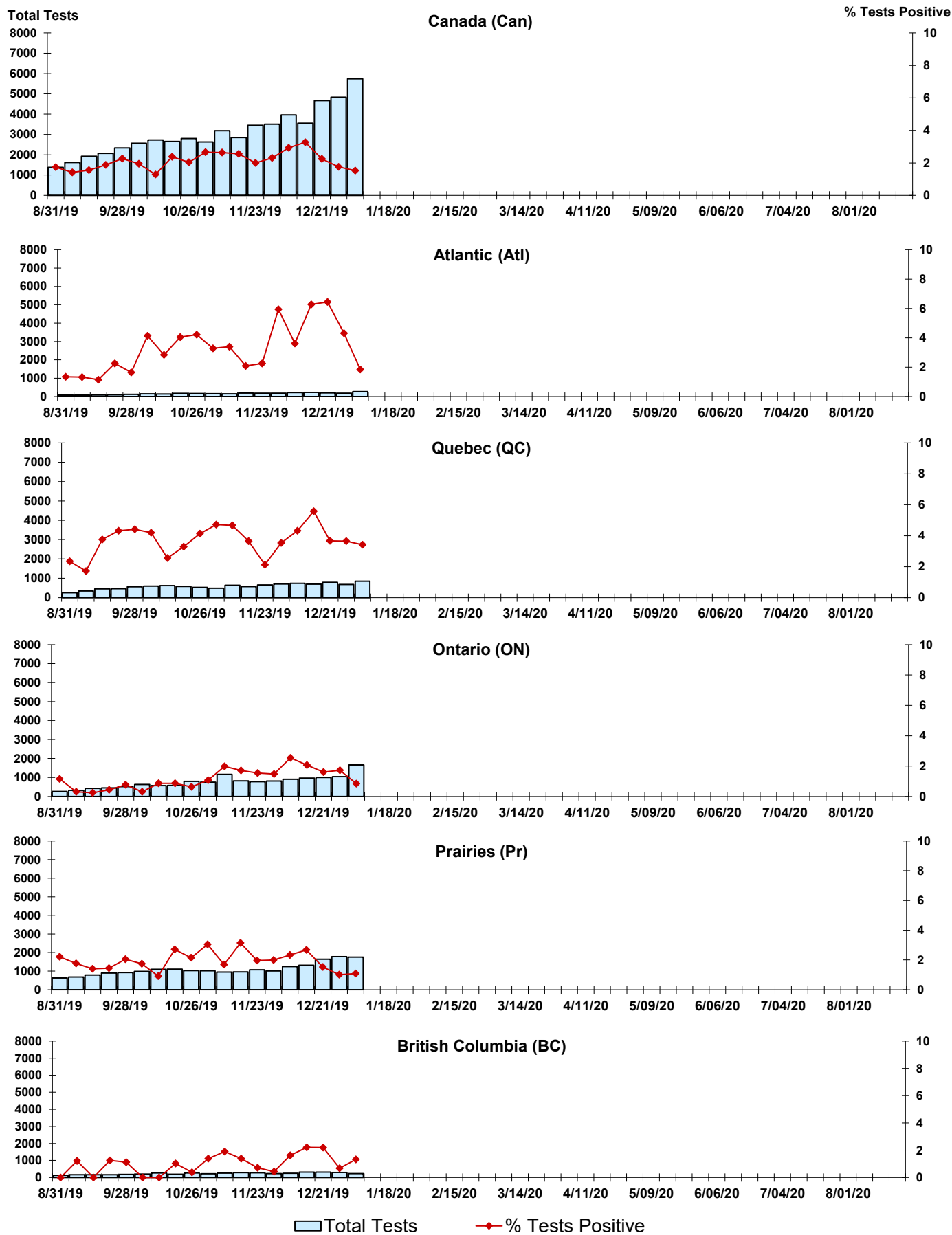


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

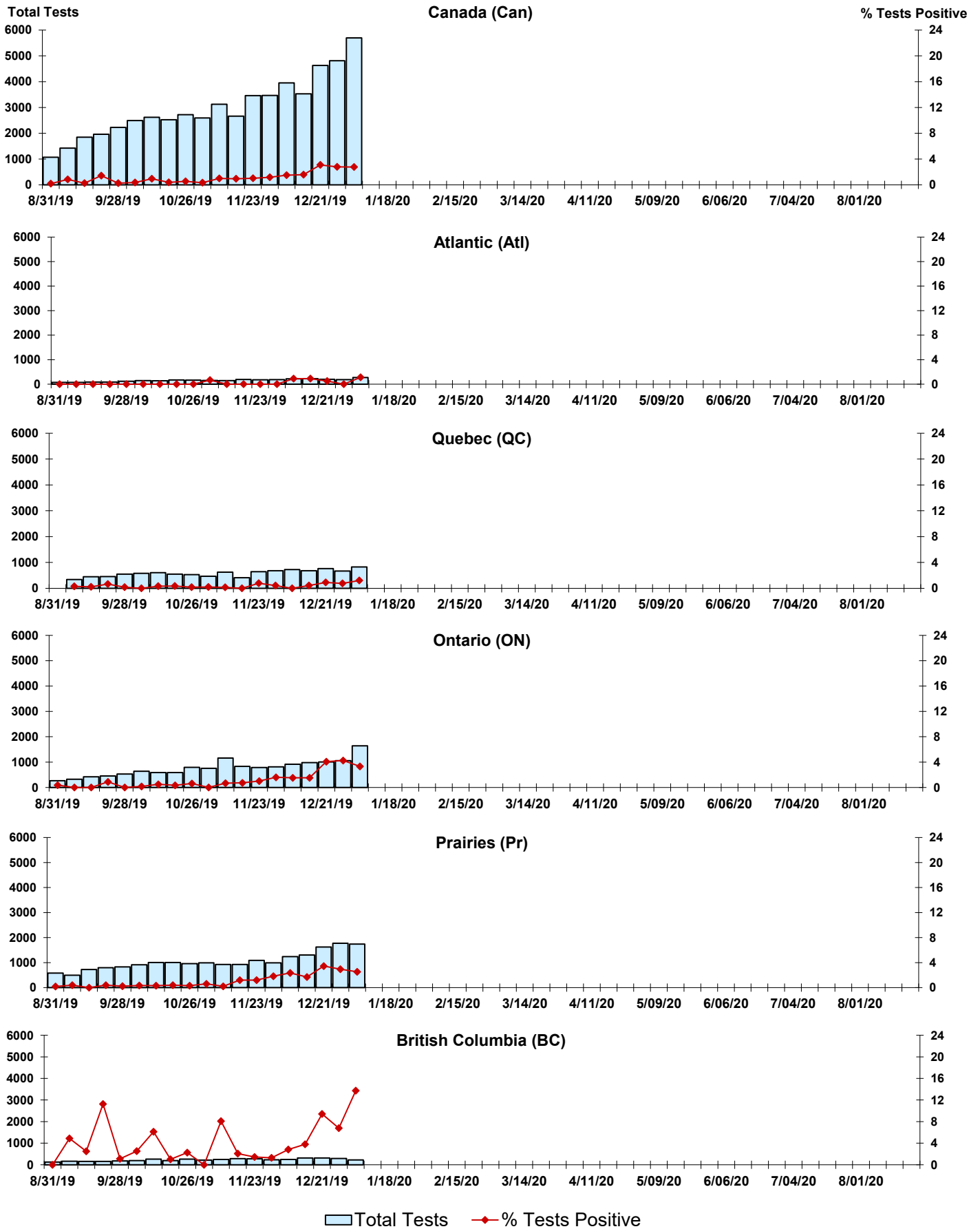


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

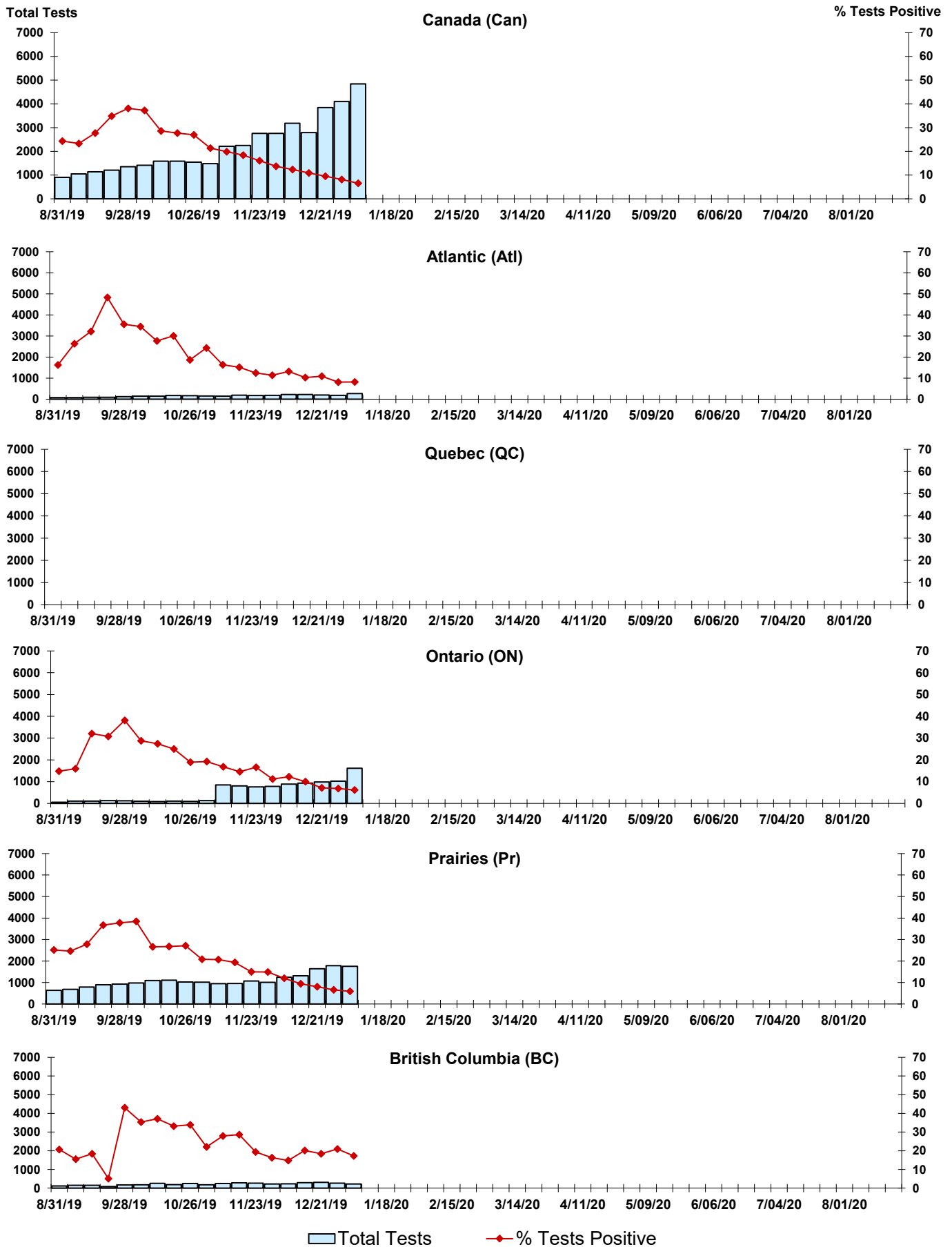
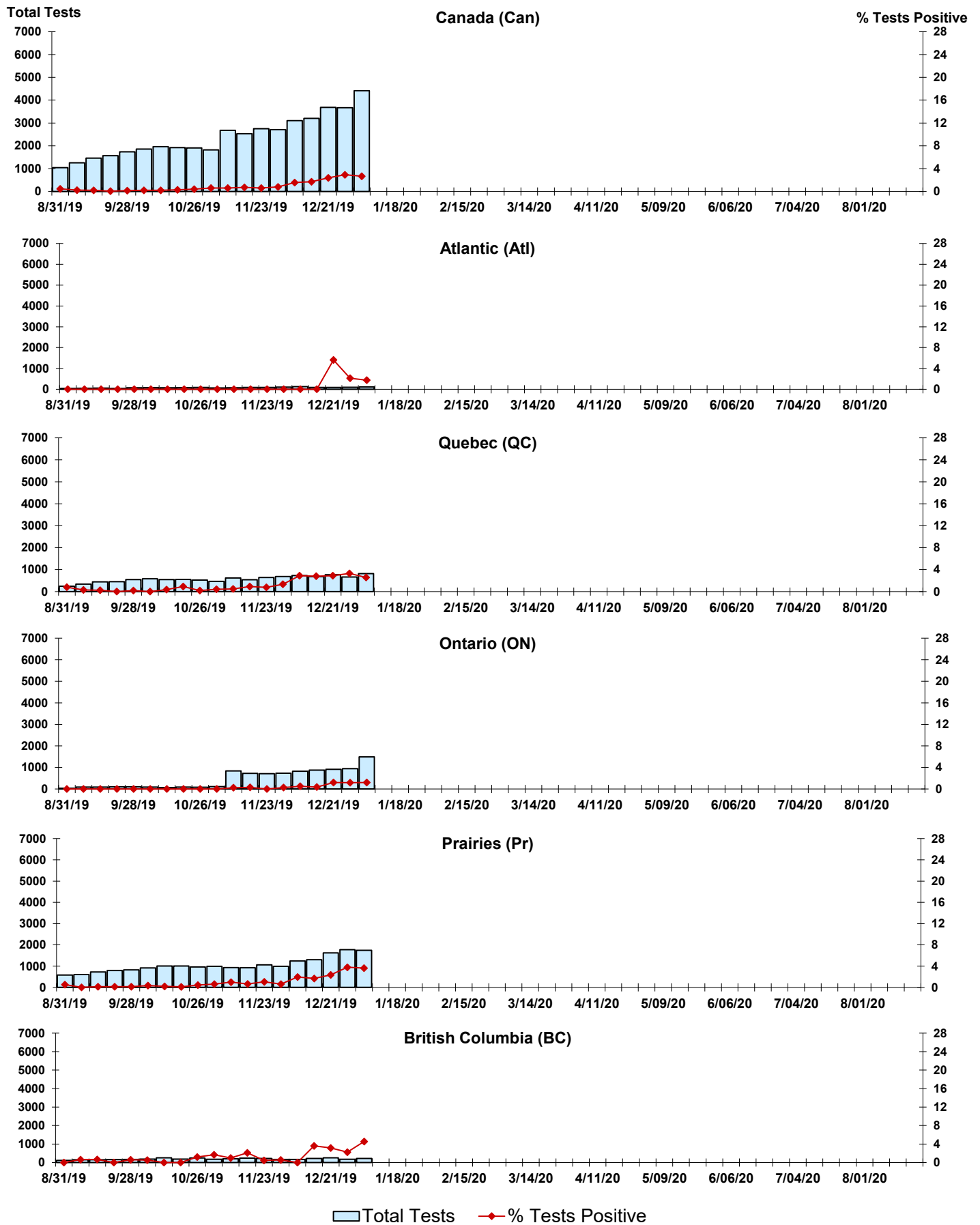


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.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.