

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 02 - ending January 11, 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 11, 2020 (Reporting Week 202002)

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	157	1	0	0	1	5	157	26	157	12	0	0	0	0	157	6	157	5	157	7	N.A.	N.A.
Prince Edward Island	42	0	0	2	2	4	42	5	2	0	0	0	0	0	2	0	2	0	2	0	2	0
Nova Scotia	133	0	0	9	9	9	135	9	19	1	0	1	1	0	19	0	19	1	19	0	19	1
New Brunswick	488	0	0	27	27	61	488	118	89	3	0	0	1	0	89	4	89	1	89	9	89	0
Atlantic	820	1	0	38	39	79	822	158	267	16	0	1	2	0	267	10	267	7	267	16	110	1
Région Nord-Est	371	0	0	34	34	52	296	13	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	704	0	0	95	95	63	720	71	66	0	0	0	2	0	65	1	50	0	N.A.	N.A.	50	11
Centre-du-Québec	1238	0	0	215	215	147	802	73	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	2246	0	0	356	356	262	2149	181	772	4	0	1	1	0	772	17	768	6	N.A.	N.A.	768	17
Ouest du Québec	789	0	0	127	127	98	735	74	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	523	0	0	88	88	66	523	38	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	5871	0	0	915	915	688	5225	450	838	4	0	1	3	0	837	18	818	6	N.A.	N.A.	818	28
P.H.O.L. - Ottawa	89	11	10	0	21	8	89	10	89	0	0	0	0	0	89	1	88	3	89	5	88	0
CHEO - Ottawa	408	0	0	51	51	24	408	48	38	0	0	1	0	0	38	0	38	2	38	3	38	3
P.H.O.L. - Kingston	59	3	4	0	7	5	58	10	58	0	0	0	0	0	58	2	57	4	58	8	57	0
UHN / Mount Sinai Hospital	669	7	0	109	116	20	669	40	30	1	0	0	0	0	0	0	30	0	0	0	N.A.	N.A.
P.H.O.L. - Toronto	779	213	13	11	237	26	714	31	714	0	0	0	0	0	714	8	707	26	714	32	707	0
Sick Kids Hospital - Toronto	85	15	2	1	18	5	85	18	85	0	0	0	4	0	85	9	85	3	85	6	85	0
Sunnybrook & Women's College HSC	133	0	0	22	22	0	133	1	133	1	0	0	0	0	133	0	133	0	133	3	0	0
P.H.O.L. - Sault Ste. Marie	21	1	0	0	1	3	21	0	21	0	0	0	0	0	21	0	21	2	21	3	21	0
P.H.O.L. - Timmins	23	9	0	0	9	0	17	0	17	0	0	0	0	0	17	0	17	4	17	0	17	0
St. Joseph's - London	235	0	0	24	24	3	235	27	58	2	0	0	1	0	58	0	58	3	28	2	28	1
P.H.O.L. - London	260	36	14	0	50	8	256	25	256	0	0	0	0	0	256	5	256	11	256	16	256	0
P.H.O.L. - Orillia	109	18	3	1	22	4	109	13	109	0	0	0	0	0	109	0	109	4	109	3	109	0
P.H.O.L. - Thunder Bay	23	3	0	1	4	4	23	0	23	0	0	0	0	0	23	0	23	3	23	0	23	0
P.H.O.L. - Sudbury	34	3	4	0	7	3	32	4	32	0	0	0	0	0	32	0	32	2	32	0	32	0
P.H.O.L. - Hamilton	245	45	5	1	51	1	221	15	221	0	0	0	0	0	221	6	221	8	221	10	221	0
P.H.O.L. - Peterborough	58	8	1	0	9	0	58	3	58	0	0	0	0	0	58	0	57	6	58	6	57	0
St. Joseph's - Hamilton	799	0	0	141	141	39	799	102	799	7	0	0	0	0	799	20	799	15	799	45	0	0
Province of Ontario	4029	372	56	362	790	153	3927	347	2741	11	0	1	5	0	2711	51	2731	96	2681	142	1739	4
Manitoba	753	17	5	86	108	99	727	83	124	7	0	0	1	0	124	0	108	3	124	8	108	0
Regina	489	0	0	132	132	34	489	27	312	17	2	1	5	0	312	2	312	8	312	30	312	7
Saskatoon	220	0	0	30	30	16	220	23	220	2	1	0	0	0	220	0	220	3	220	11	220	2
Saskatchewan	709	0	0	162	162	50	709	50	532	19	3	1	5	0	532	2	532	11	532	41	532	9
Alberta	1675	74	94	73	241	245	1265	0	1265	27	8	3	9	0	1265	12	1265	48	1265	84	1265	56
Prairies	3137	91	99	321	511	394	2701	133	1921	53	11	4	15	0	1921	14	1905	62	1921	133	1905	65
Province of British Columbia	1458	17	1	53	178	121	1424	141	283	8	5	1	3	2	280	5	280	14	273	44	185	11
Yukon	50	0	0	2	2	1	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	29	3	1	0	4	2	29	0	29	1	0	0	1	0	29	1	29	2	29	3	29	3
Nunavut	30	0	0	2	2	0	30	1	30	2	0	0	0	0	30	4	30	0	30	11	2	0
Territories	109	3	1	4	8	3	109	1	59	3	0	0	1	0	59	5	59	2	59	14	31	3
CANADA	15424	484	157	1693	2441	1438	14208	1230	6109	95	16	8	29	2	6075	103	6060	187	5201	349	4788	112

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

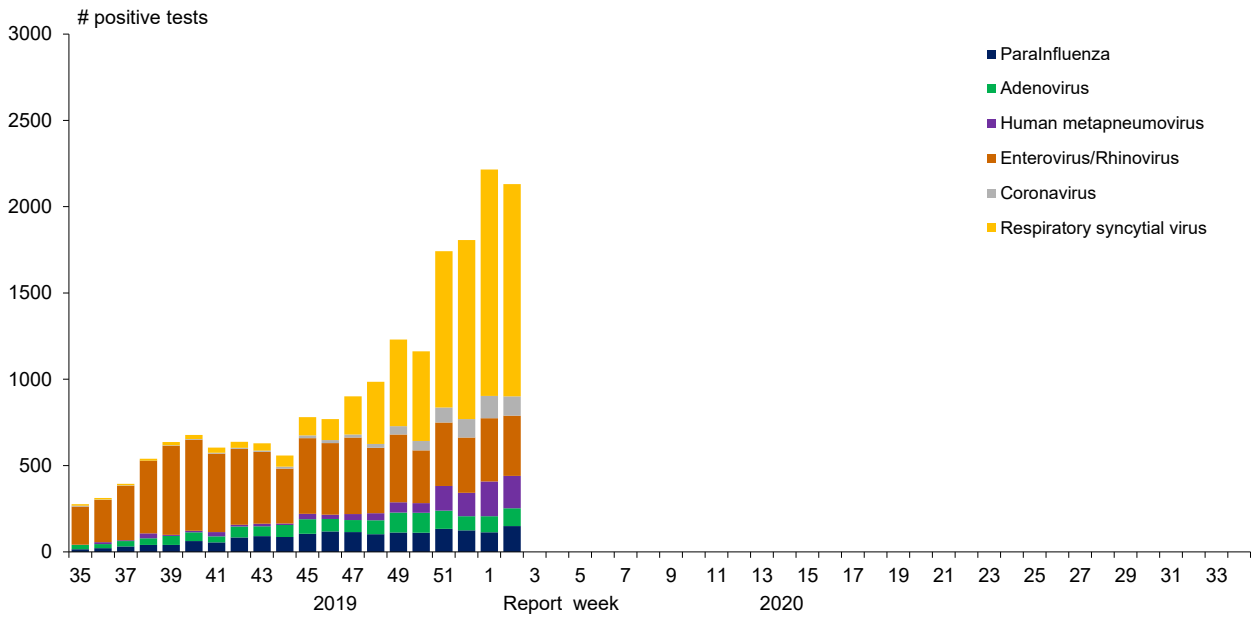


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

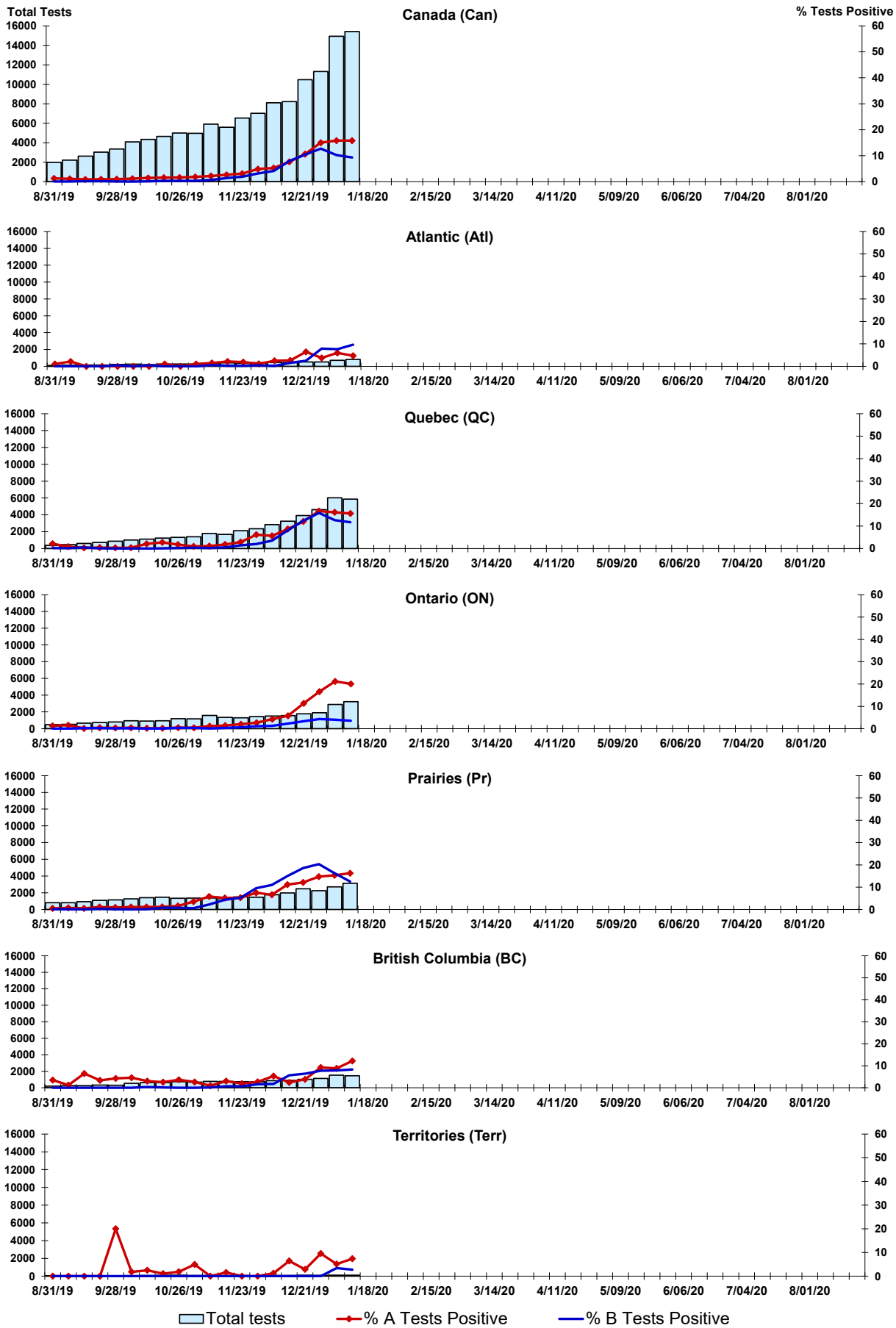


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

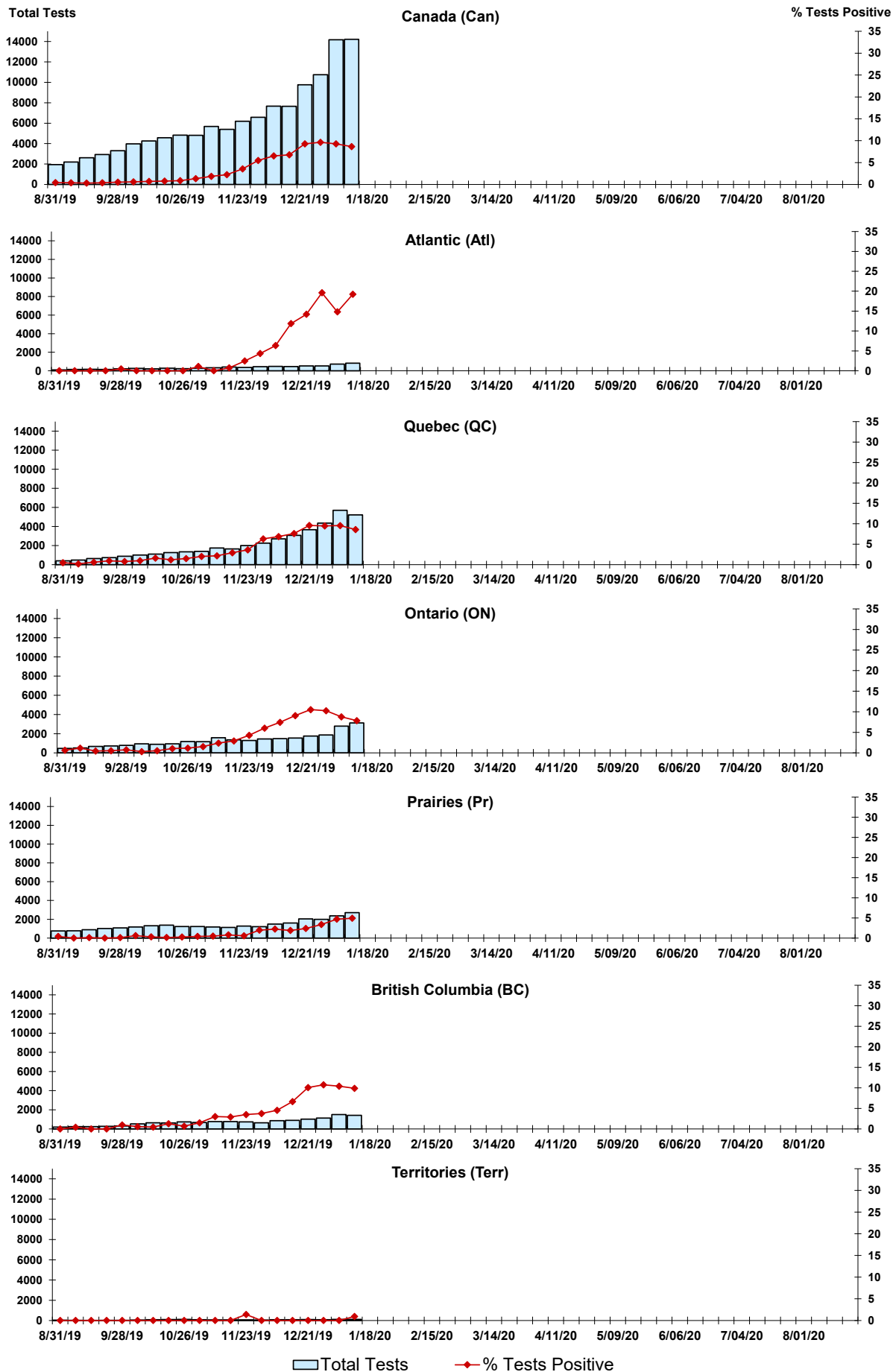


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

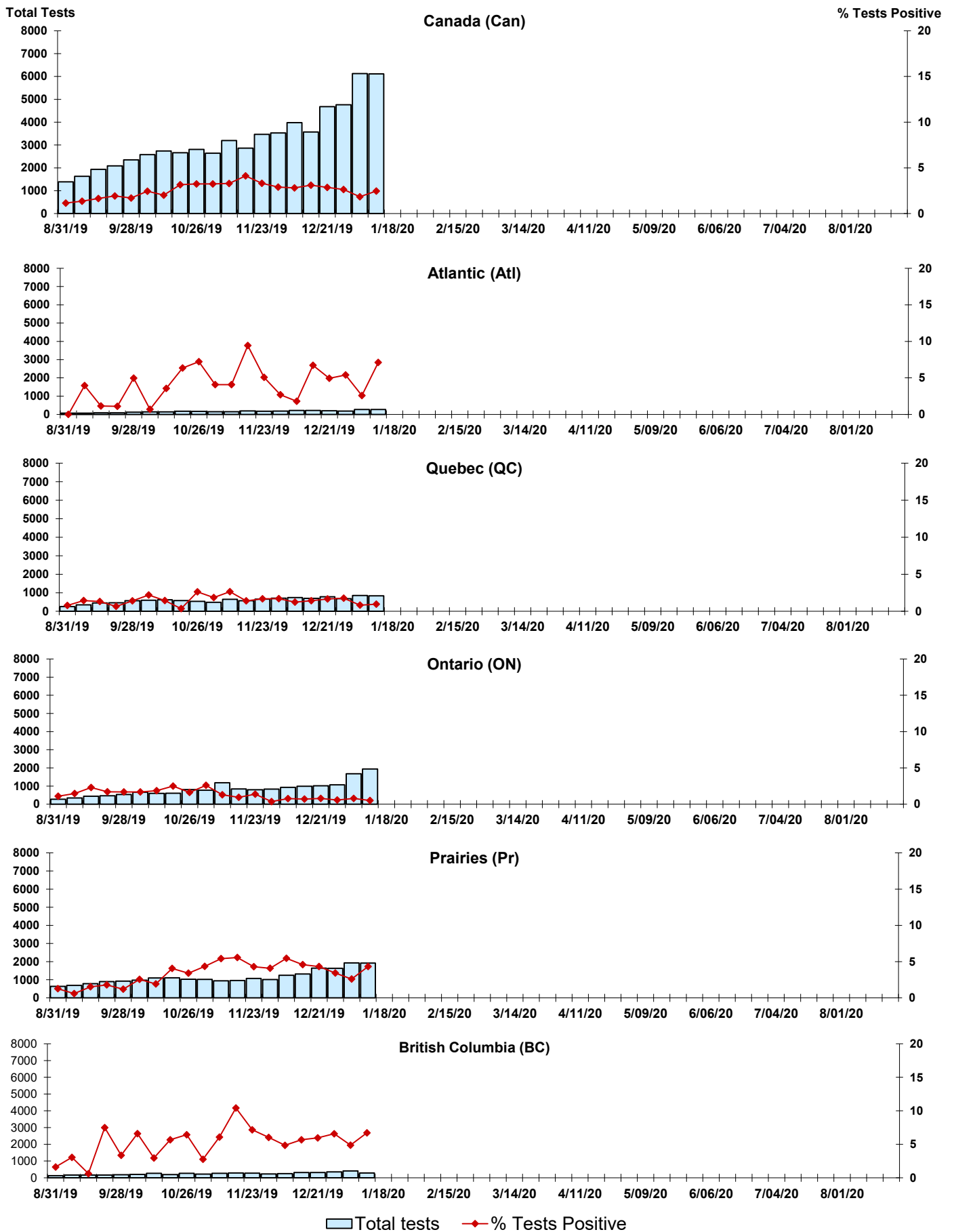


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

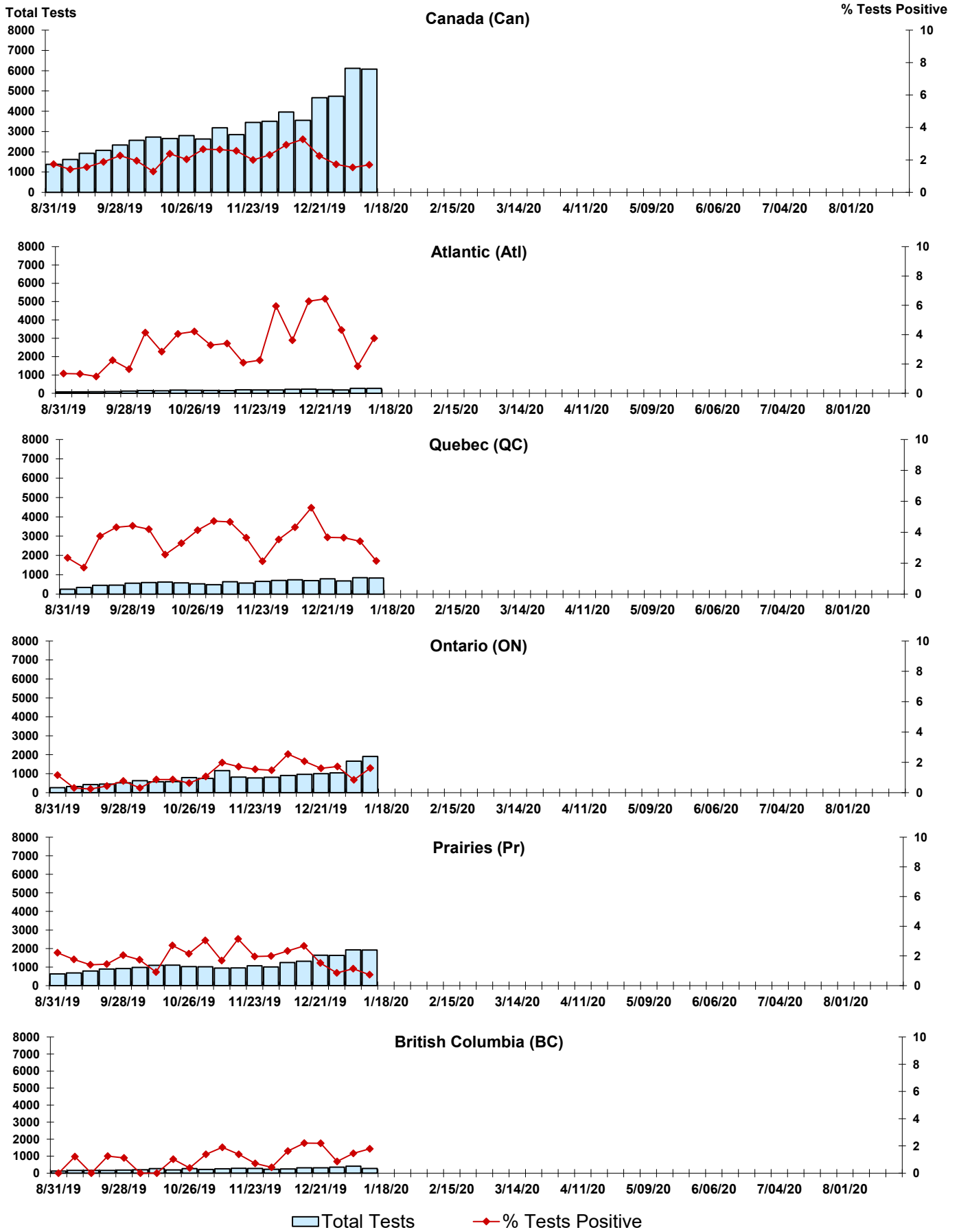


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

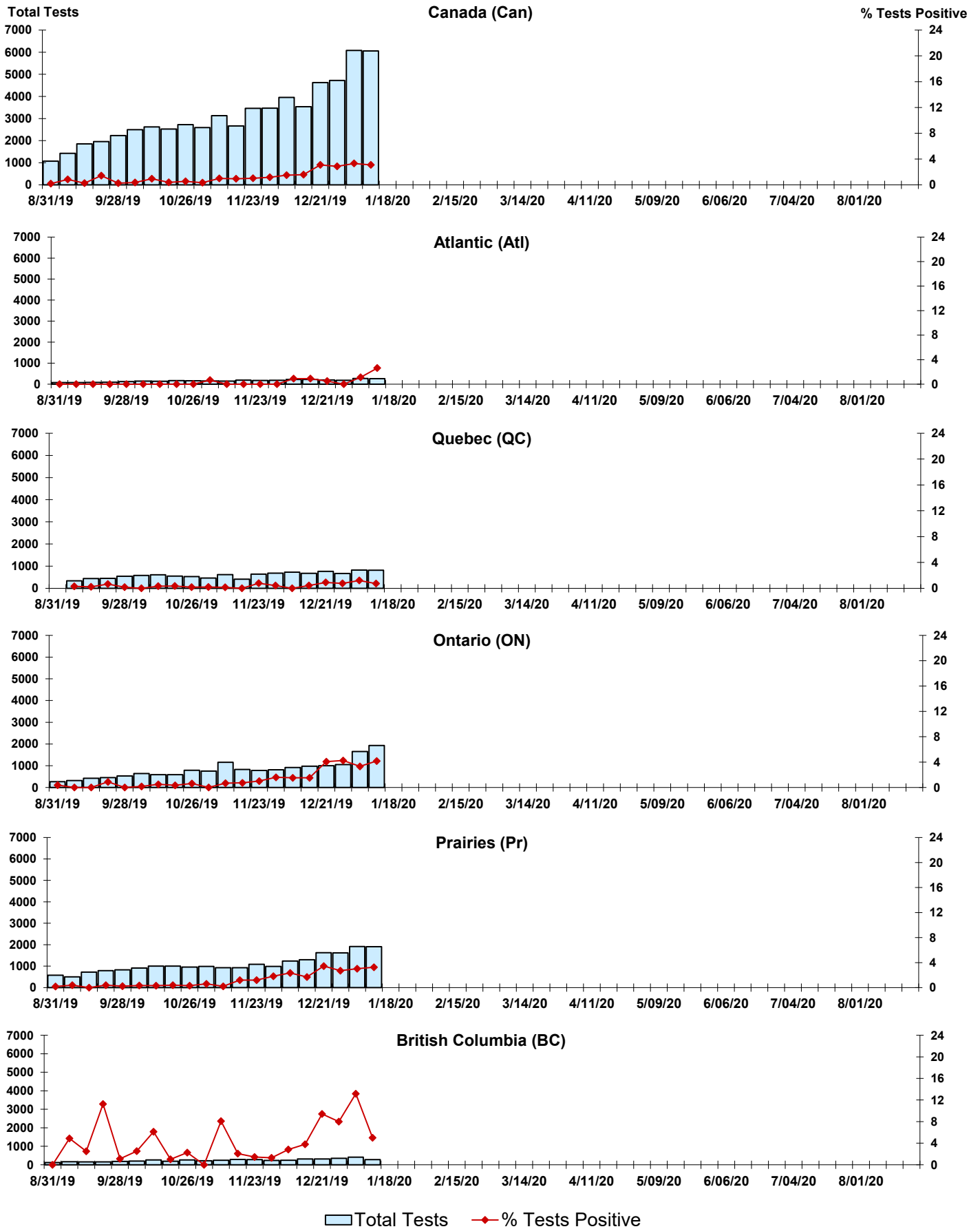


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

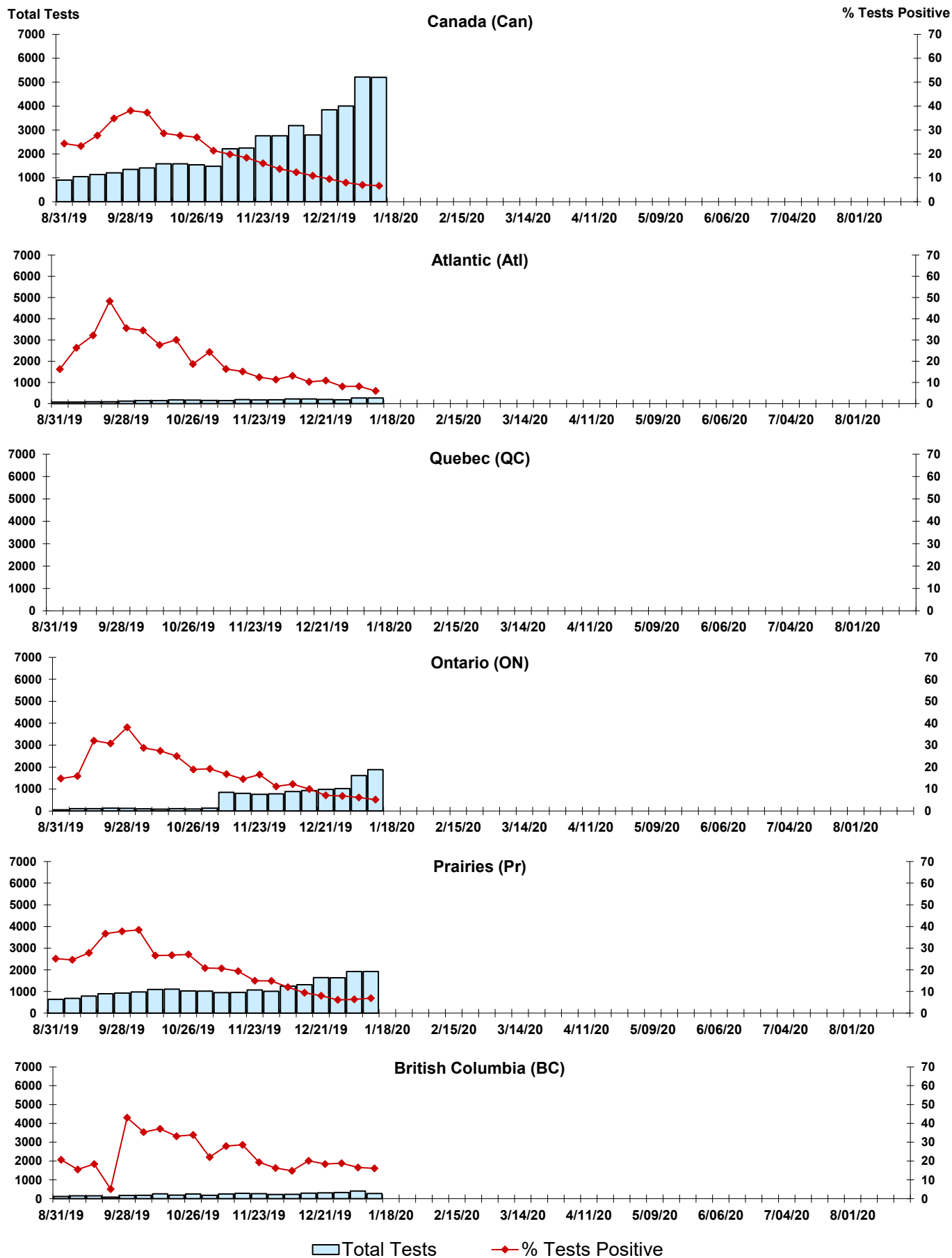
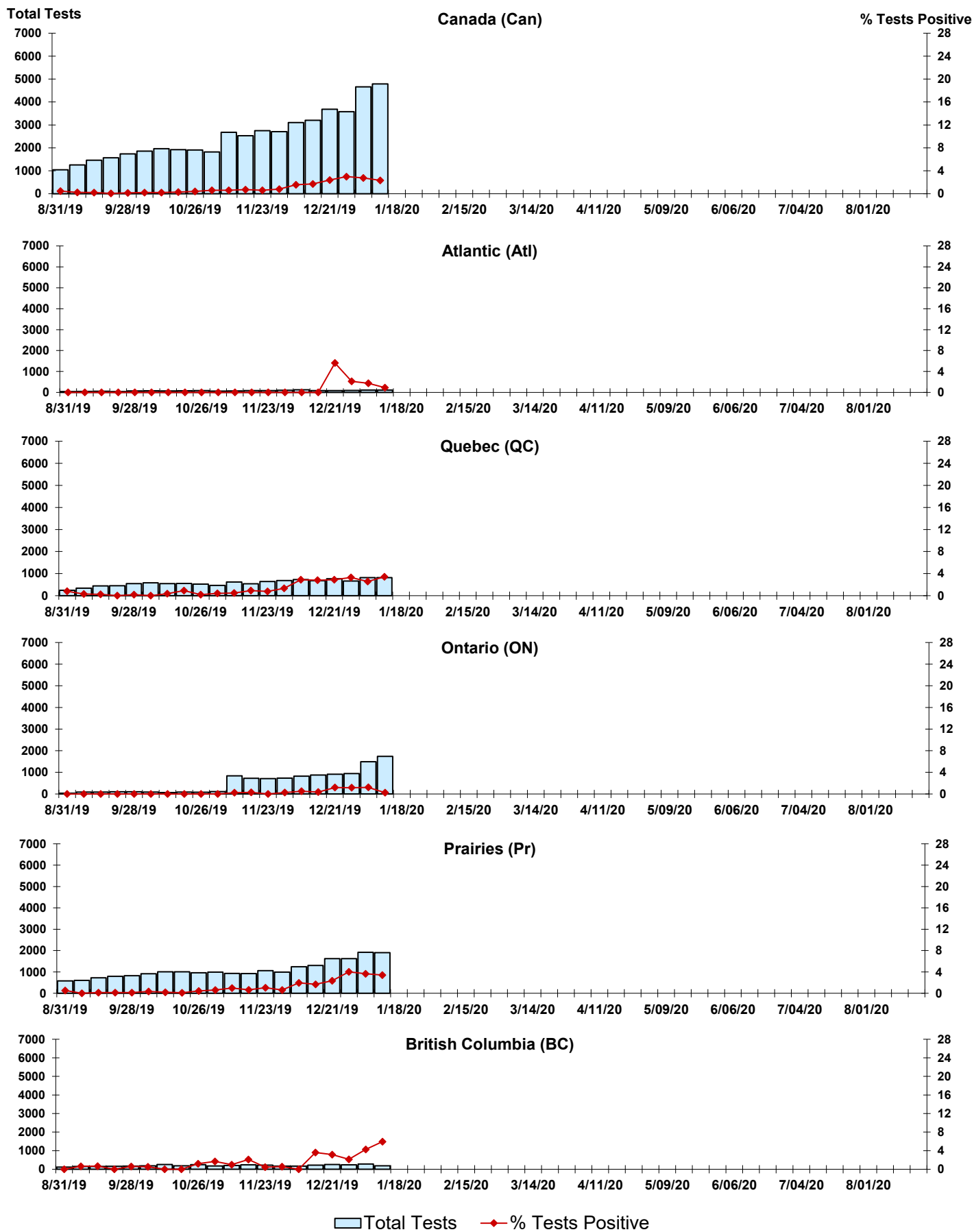


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.