

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 41 - ending October 13, 2018

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 October 13, 2018 (Reporting Week 201841)

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	38	0	0	1	1	0	38	0	38	0	0	1	0	0	38	0	38	0	38	11	N.A.	N.A.
Prince Edward Island	13	0	0	0	0	0	13	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
Nova Scotia	22	0	0	0	0	0	22	0	15	0	0	0	0	0	15	0	15	1	15	5	15	0
New Brunswick	107	0	0	1	1	0	107	1	63	0	0	0	0	0	63	4	63	0	63	28	63	0
Atlantic	180	0	0	2	2	0	180	1	117	0	0	1	0	0	117	4	117	1	117	44	79	0
Région Nord-Est	55	0	0	4	4	0	50	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	63	0	0	0	0	0	75	0	90	0	3	0	1	0	89	5	82	0	N.A.	N.A.	82	0
Centre-du-Québec	41	0	0	0	0	2	38	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	586	0	0	3	3	0	596	7	427	2	5	0	2	0	427	15	417	1	N.A.	N.A.	418	3
Ouest du Québec	57	0	0	0	0	0	46	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	63	0	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	865	0	0	7	7	2	862	7	517	2	8	0	3	0	516	20	499	1	N.A.	N.A.	500	3
Ottawa P.H.L.	9	0	0	1	1	0	7	0	7	0	0	0	0	0	7	0	7	0	0	0	0	0
CHEO - Ottawa	127	0	0	4	4	0	127	1	18	0	0	0	0	0	18	0	18	0	18	6	18	1
Kingston P.H.L.	21	0	0	0	0	0	15	0	15	0	0	0	0	0	15	0	15	0	0	0	0	0
UHN / Mount Sinai Hospital	209	0	0	0	0	0	209	0	9	0	0	0	0	0	0	0	9	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	258	0	1	0	1	0	257	6	257	1	1	1	0	0	257	2	253	2	4	0	0	0
Sick Kids Hospital - Toronto	44	0	0	0	0	0	44	2	44	0	2	1	0	0	44	2	44	1	44	18	44	0
Sunnybrook & Women's College HSC	64	0	0	0	0	0	64	0	64	0	0	1	0	0	64	0	64	2	64	11	64	1
Sault Ste. Marie P.H.L.	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0
Timmins P.H.L.	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	1	0	0	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
London P.H.L.	50	0	0	0	0	0	50	1	50	0	1	0	0	0	50	0	49	0	1	0	0	0
Orillia P.H.L.	16	0	0	0	0	0	11	0	11	0	0	0	0	0	11	0	11	0	0	0	0	0
Thunder Bay P.H.L.	6	0	0	0	0	0	6	0	6	0	0	1	0	0	6	0	6	0	0	0	0	0
Sudbury P.H.L.	7	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	6	0	0	0	0	0
Hamilton P.H.L.	55	0	0	0	0	0	48	0	48	0	0	0	0	0	48	0	47	0	1	0	0	0
Peterborough P.H.L.	39	0	0	0	0	0	36	0	36	0	0	0	0	0	36	0	35	0	1	0	0	0
Province of Ontario	908	0	1	5	6	0	883	10	574	1	4	4	0	0	565	4	566	5	134	35	126	2
Manitoba	264	3	0	0	3	0	261	1	173	0	0	2	1	0	173	0	71	0	173	33	71	0
Regina	203	1	1	0	2	0	203	1	203	0	1	1	0	0	203	3	203	0	203	84	203	0
Saskatoon	113	0	0	4	4	0	113	0	113	0	0	0	0	0	113	4	113	0	113	15	113	0
Province of Saskatchewan	316	1	1	4	6	0	316	1	316	0	1	1	0	0	316	7	316	0	316	99	316	0
Province of Alberta	552	17	1	7	25	1	486	0	486	2	3	4	2	0	486	6	486	3	486	140	486	2
Prairies	1132	21	2	11	34	1	1063	2	975	2	4	7	3	0	975	13	873	3	975	272	873	2
British Columbia	352	0	2	2	4	0	352	3	253	0	3	2	4	0	253	4	253	0	202	81	202	1
Yukon	11	0	0	0	0	0	11	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	13	0	0	0	0	0	13	0	13	0	0	0	0	0	13	1	13	0	13	1	13	0
Nunavut	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	2	2	2	0
Territories	26	0	0	0	0	0	26	0	15	0	0	0	0	0	15	1	15	0	15	3	15	0
CANADA	3463	21	5	27	53	3	3366	23	2451	5	19	14	10	0	2441	46	2323	10	1443	435	1795	8

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.

Delays in the reporting of data may cause data to change retrospectively.

Table 2: Respiratory Virus Detections/Isolations for the period August 26, 2018 - October 13, 2018 (Reporting Weeks 201835-201841)

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	224	0	0	1	1	0	224	0	224	0	0	4	0	0	224	4	224	0	224	66	N.A.	N.A.
Prince Edward Island	39	0	0	0	0	0	36	0	21	0	0	1	0	0	16	2	16	0	16	7	16	0
Nova Scotia	106	0	0	0	0	0	107	0	62	0	0	1	0	0	62	0	62	1	62	16	62	0
New Brunswick	495	0	0	2	2	0	495	4	245	0	0	1	0	0	245	13	245	0	245	69	245	1
Atlantic	864	0	0	3	3	0	862	4	552	0	0	7	0	0	547	19	547	1	547	158	323	1
Région Nord-Est	217	0	0	7	7	0	200	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	316	0	0	0	0	0	416	2	436	1	12	1	2	0	442	7	404	1	N.A.	N.A.	404	0
Centre-du-Québec	208	0	0	0	0	2	208	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	3341	0	0	6	6	0	3463	38	2770	9	46	16	14	0	2770	72	2683	8	N.A.	N.A.	2684	10
Ouest du Québec	295	0	0	0	0	0	247	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	294	0	0	0	0	0	281	2	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	4671	0	0	13	13	2	4815	44	3206	10	58	17	16	0	3212	79	3087	9	N.A.	N.A.	3088	10
Ottawa P.H.L.	69	0	0	1	1	0	66	0	66	0	0	0	0	0	66	0	63	0	4	0	0	0
CHEO - Ottawa	654	0	0	5	5	0	654	6	144	0	1	2	0	0	144	10	144	0	144	59	144	1
Kingston P.H.L.	89	0	0	0	0	0	83	0	83	0	0	0	0	0	83	0	82	0	10	0	0	0
UHN / Mount Sinai Hospital	1247	0	0	2	2	0	1247	9	84	0	0	0	0	0	0	0	84	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	1314	9	6	0	15	3	1293	11	1293	4	9	5	0	0	1293	6	1248	3	76	0	0	0
Sick Kids Hospital - Toronto	306	0	0	0	0	0	306	4	306	1	6	5	3	0	306	9	306	2	306	135	306	2
Sunnybrook & Women's College HSC	251	0	0	0	0	0	251	0	251	0	0	2	0	0	251	0	251	2	251	44	251	7
Sault Ste. Marie P.H.L.	25	0	0	0	0	0	25	0	25	0	0	0	0	0	25	0	24	0	1	0	0	0
Timmins P.H.L.	16	0	0	0	0	0	16	0	16	0	0	0	0	0	16	0	12	0	7	0	0	0
St. Joseph's - London	131	0	0	0	0	0	131	0	131	0	1	3	0	0	131	2	131	1	131	59	131	0
London P.H.L.	263	0	0	0	0	0	258	3	258	0	2	0	0	0	258	1	248	0	16	0	0	0
Orillia P.H.L.	73	0	0	0	0	0	68	0	68	0	0	0	0	0	68	0	66	0	2	0	0	0
Thunder Bay P.H.L.	26	0	0	0	0	0	26	0	26	0	0	1	0	0	26	0	24	0	2	0	0	0
Sudbury P.H.L.	67	0	0	0	0	0	66	1	66	0	0	0	0	0	66	0	55	0	11	0	0	0
Hamilton P.H.L.	286	0	0	0	0	0	275	5	275	0	1	0	0	0	275	3	271	0	9	0	0	0
Peterborough P.H.L.	146	0	0	0	0	0	143	2	143	0	0	0	0	0	143	0	142	0	3	0	0	0
Province of Ontario	4963	9	6	8	23	3	4908	41	3235	5	20	18	3	0	3151	31	3151	8	973	297	832	10
Manitoba	1099	5	0	0	5	0	1083	2	797	0	0	5	2	0	797	6	300	0	797	147	334	0
Regina	953	12	3	1	16	0	953	2	953	0	7	8	4	0	953	15	953	0	953	382	953	0
Saskatoon	549	0	0	14	14	0	549	3	549	1	0	1	0	0	549	19	549	0	549	145	549	1
Province of Saskatchewan	1502	12	3	15	30	0	1502	5	1502	1	7	9	4	0	1502	34	1502	0	1502	527	1502	1
Province of Alberta	3277	35	12	18	65	7	2926	0	2926	4	22	24	17	0	2926	46	2926	18	2926	1031	2926	8
Prairies	5878	52	15	33	100	7	5511	7	5225	5	29	38	23	0	5225	86	4728	18	5225	1705	4762	9
British Columbia	1814	6	10	14	30	1	1814	9	1317	2	6	25	16	0	1317	19	1317	3	1098	379	1098	6
Yukon	32	0	0	0	0	0	32	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	55	0	0	0	0	0	55	0	55	0	0	2	0	0	55	5	55	0	55	16	55	1
Nunavut	12	0	0	0	0	0	12	0	12	0	0	0	0	0	12	2	11	0	12	7	11	0
Territories	99	0	0	0	0	0	99	0	67	0	0	2	0	0	67	7	66	0	67	23	66	1
CANADA	18289	67	31	71	169	13	18009	105	13602	22	113	107	58	0	13519	241	12896	39	7910	2562	10169	37

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.

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, 2018-19

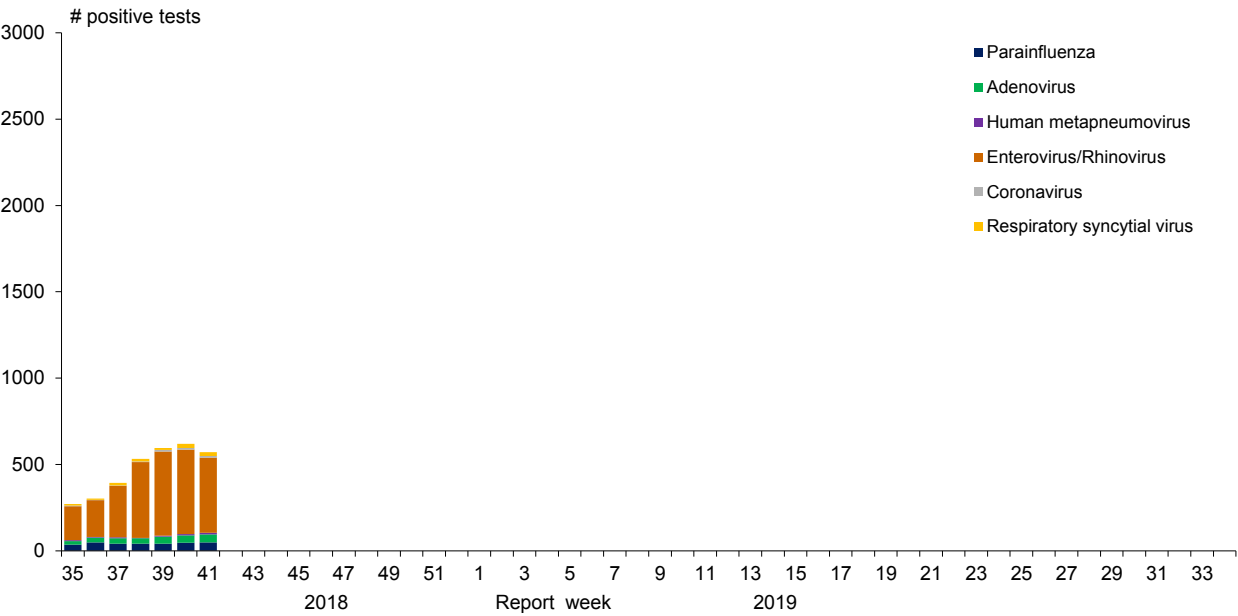


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

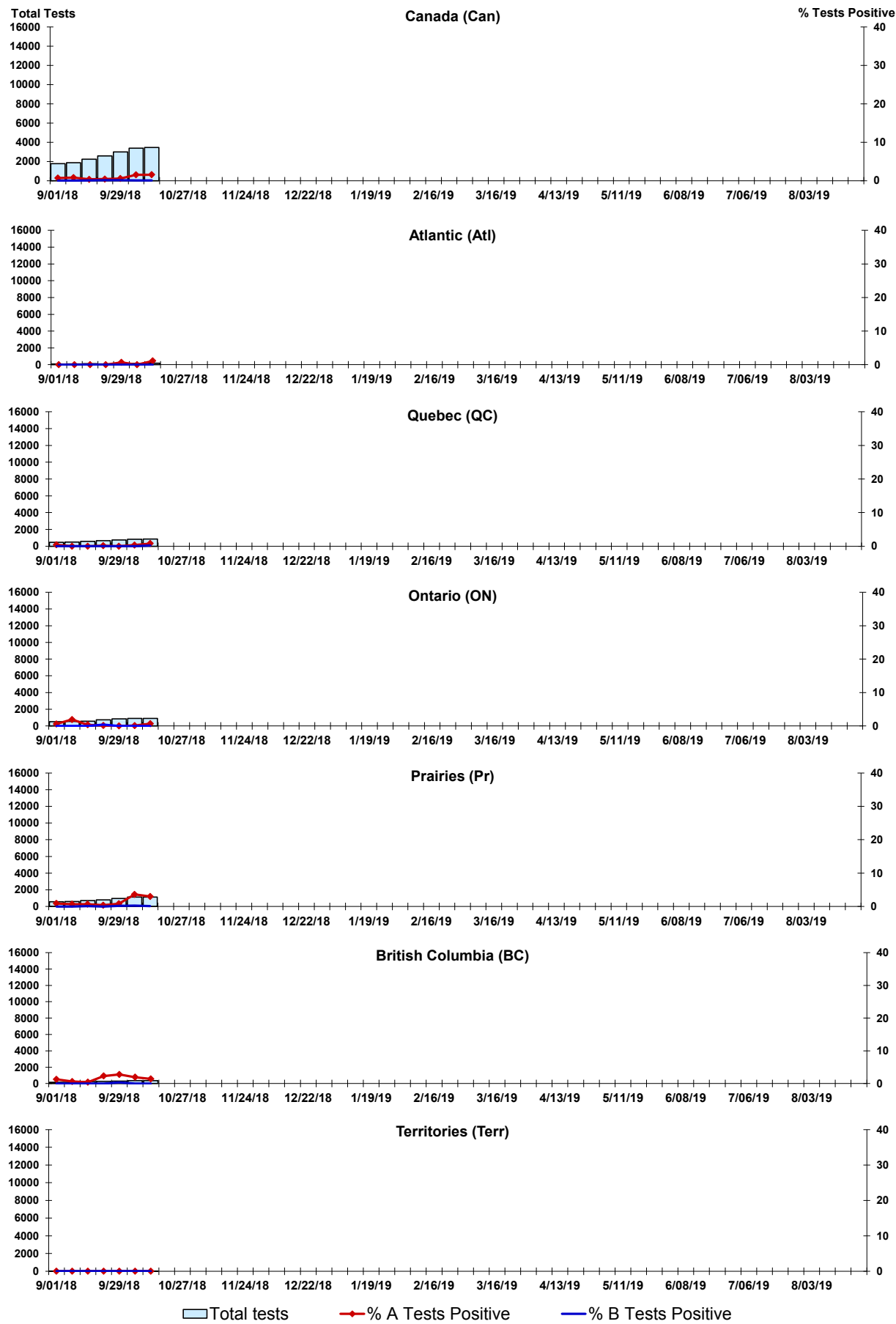


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report



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

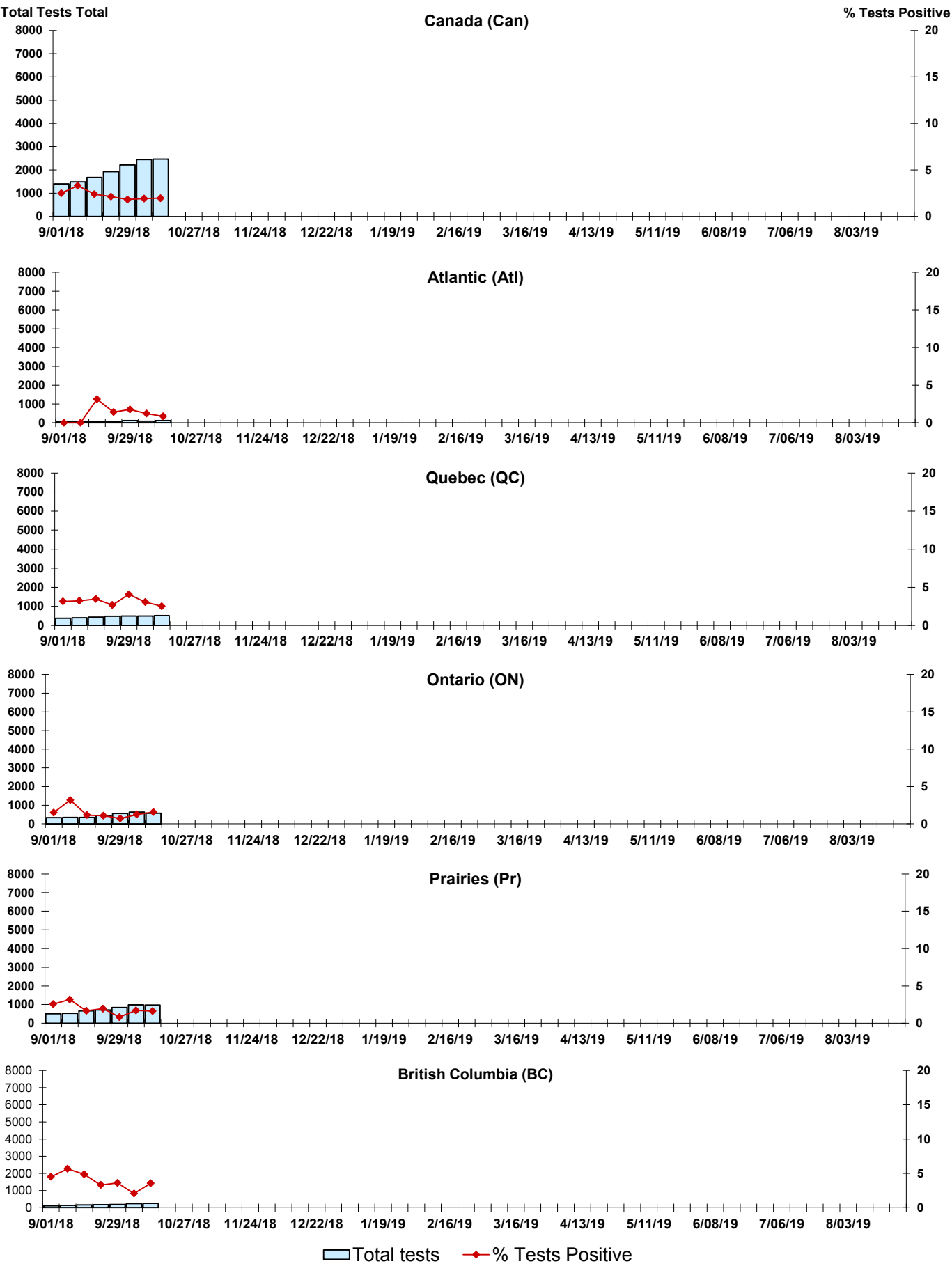


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

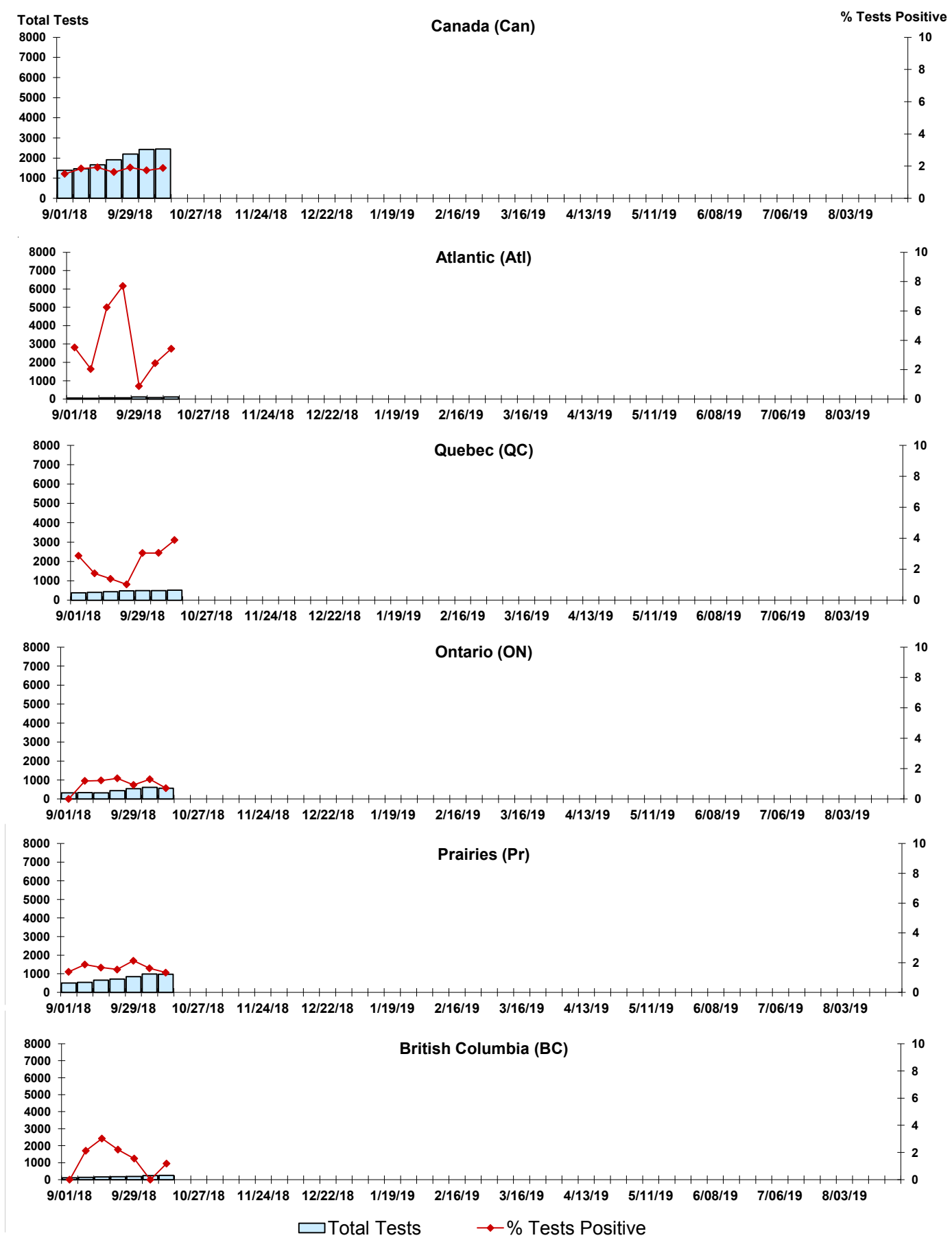


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

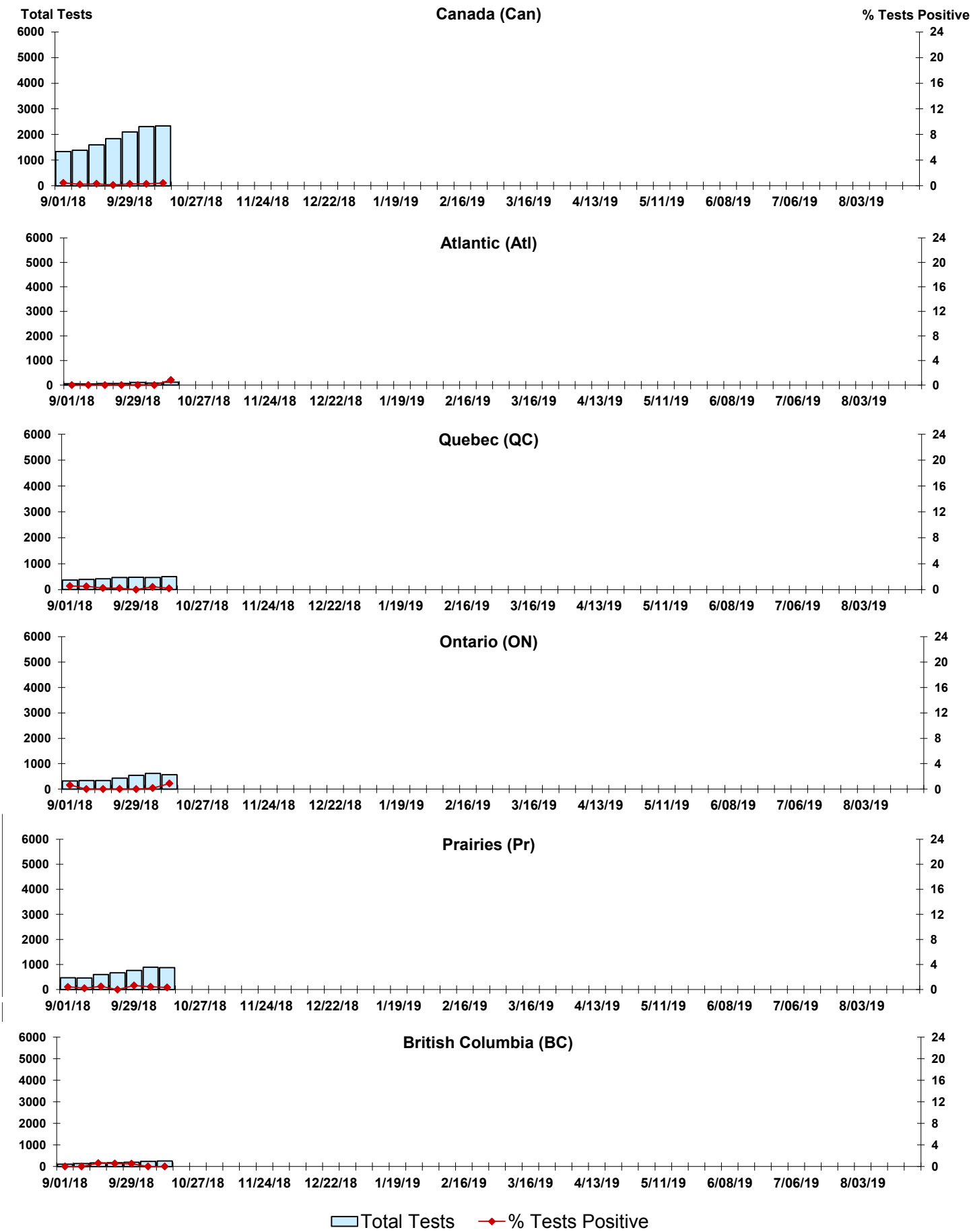


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

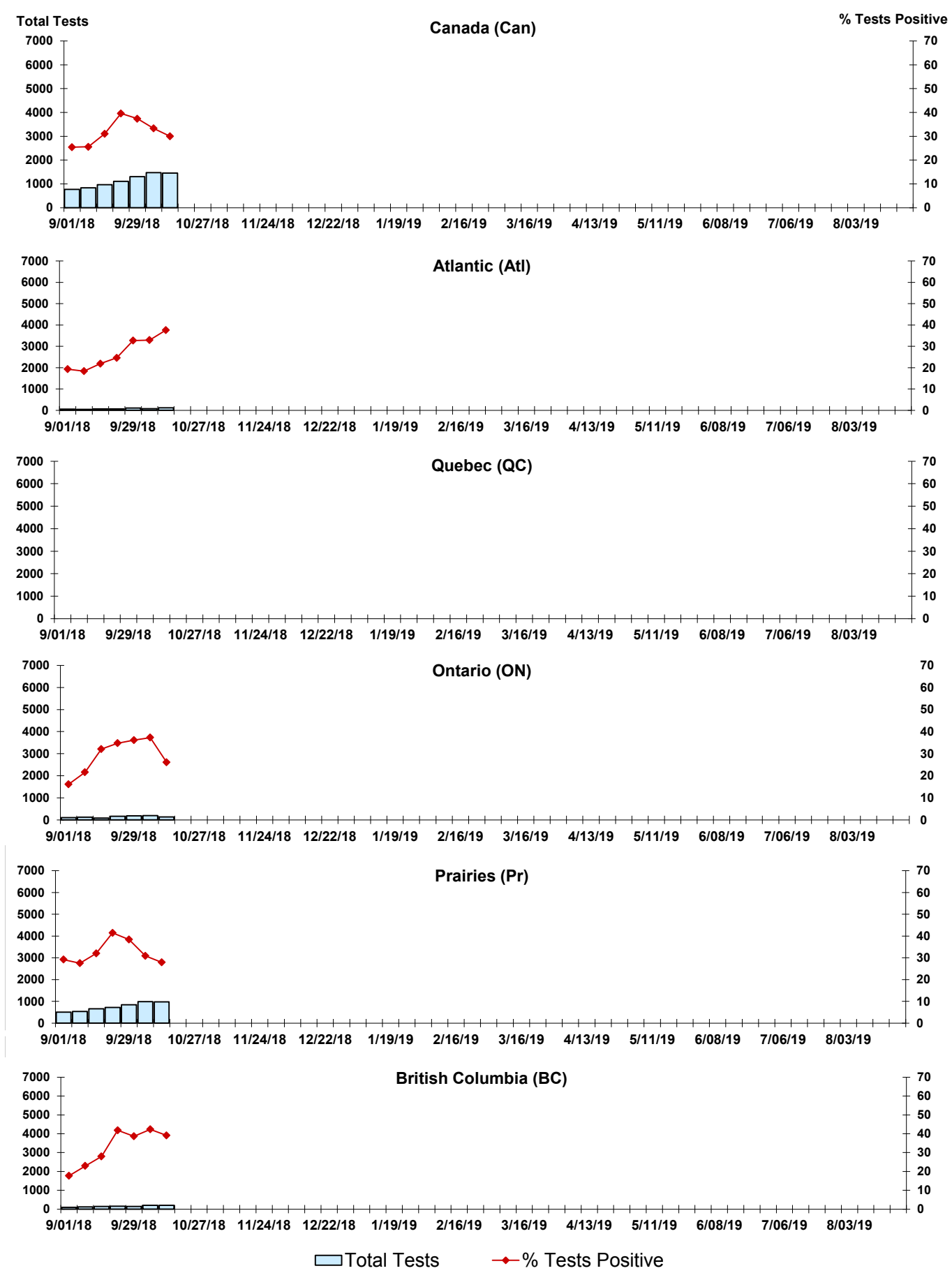
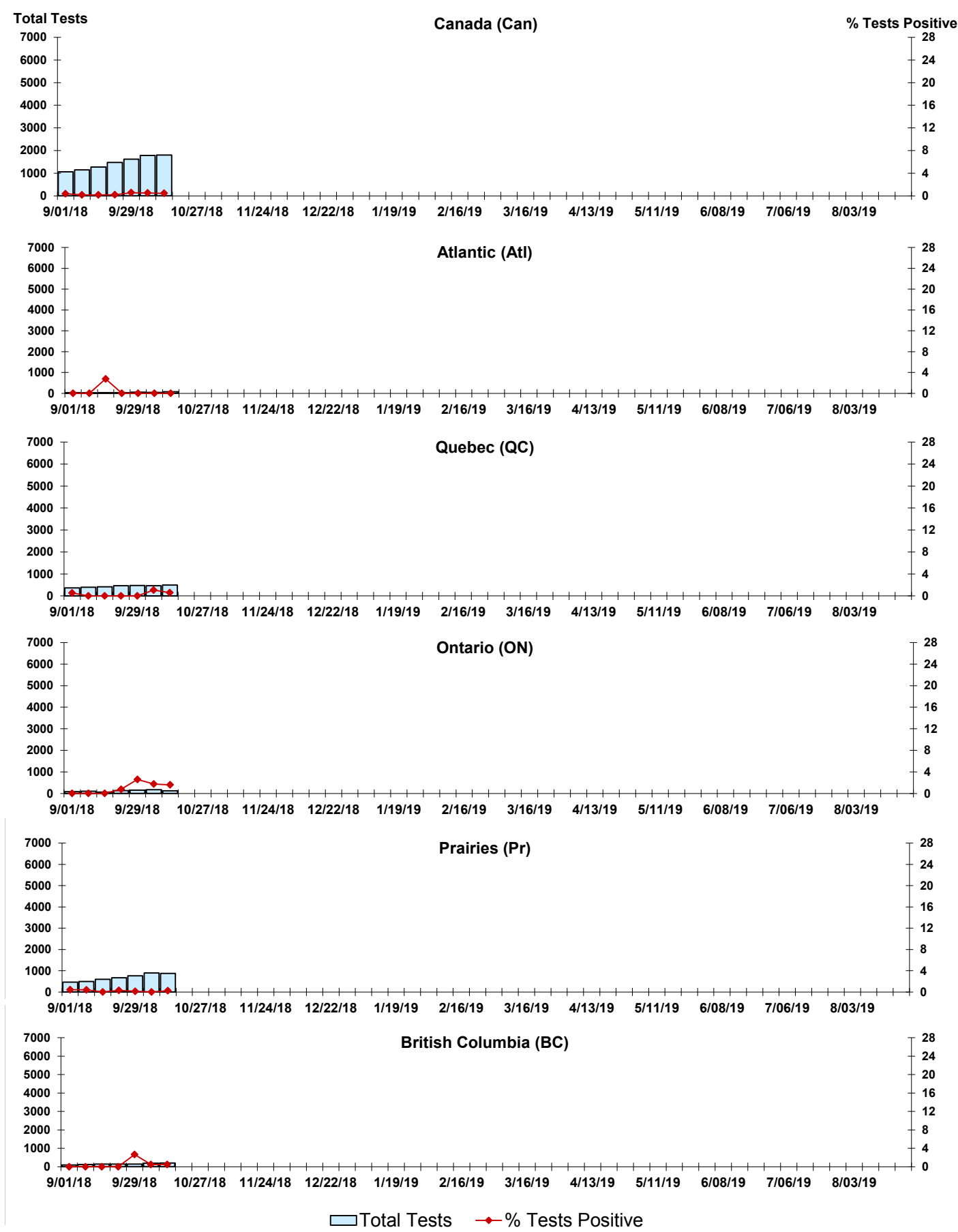


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.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.