

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 39 - ending September 29, 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 September 29, 2018 (Reporting Week 201839)

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	53	0	0	0	0	0	53	0	53	0	0	1	0	0	53	1	53	0	53	16	N.A.	N.A.
Prince Edward Island	7	0	0	0	0	0	7	0	5	0	0	0	0	0	5	0	5	0	5	4	5	0
Nova Scotia	22	0	0	0	0	0	22	0	17	0	0	0	0	0	17	0	17	0	17	7	17	0
New Brunswick	63	0	0	1	1	0	63	0	38	0	0	1	0	0	38	0	38	0	38	10	38	0
Atlantic	145	0	0	1	1	0	145	0	113	0	0	2	0	0	113	1	113	0	113	37	60	0
Région Nord-Est	33	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	34	0	0	0	0	0	44	0	60	0	2	0	1	0	61	0	54	0	N.A.	N.A.	54	0
Centre-du-Québec	46	0	0	0	0	0	48	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	529	0	0	0	0	0	546	4	432	2	9	3	3	0	432	15	420	0	N.A.	N.A.	420	0
Ouest du Québec	62	0	0	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	49	0	0	0	0	0	49	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	753	0	0	0	0	0	770	6	492	2	11	3	4	0	493	15	474	0	N.A.	N.A.	474	0
Ottawa P.H.L.	6	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	4	0	0	0	0	0
CHEO - Ottawa	122	0	0	0	0	0	122	1	27	0	0	0	0	0	27	4	27	0	27	13	27	0
Kingston P.H.L.	5	0	0	0	0	0	5	0	5	0	0	0	0	0	5	0	5	0	0	0	0	0
UHN / Mount Sinai Hospital	203	0	0	0	0	0	203	2	15	0	0	0	0	0	0	0	0	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	214	0	0	0	0	0	213	0	213	1	1	0	0	0	213	0	201	0	12	0	0	0
Sick Kids Hospital - Toronto	51	0	0	0	0	0	51	0	51	0	0	1	0	0	51	1	51	0	51	28	51	1
Sunnybrook & Women's College HSC	36	0	0	0	0	0	36	0	36	0	0	0	0	0	36	0	36	0	36	7	36	3
Sault Ste. Marie P.H.L.	8	0	0	0	0	0	8	0	8	0	0	0	0	0	8	0	8	0	0	0	0	0
Timmins P.H.L.	8	0	0	0	0	0	8	0	8	0	0	0	0	0	8	0	8	0	0	0	0	0
St. Joseph's - London	40	0	0	0	0	0	40	0	40	0	1	0	0	0	40	0	40	0	40	17	40	0
London P.H.L.	44	0	0	0	0	0	42	0	42	0	0	0	0	0	42	0	42	0	0	0	0	0
Orillia P.H.L.	7	0	0	0	0	0	5	0	5	0	0	0	0	0	5	0	5	0	0	0	0	0
Thunder Bay P.H.L.	4	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	0	0	0	0
Sudbury P.H.L.	14	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	12	0	2	0	0	0
Hamilton P.H.L.	56	0	0	0	0	0	55	0	55	0	0	0	0	0	55	0	52	0	3	0	0	0
Peterborough P.H.L.	24	0	0	0	0	0	24	0	24	0	0	0	0	0	24	0	24	0	0	0	0	0
Province of Ontario	842	0	0	0	0	0	833	3	550	1	2	1	0	0	535	5	518	0	171	65	154	4
Manitoba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regina	147	0	0	0	0	0	147	0	147	0	0	0	0	0	147	2	147	0	147	72	147	0
Saskatoon	83	0	0	3	3	0	83	2	83	0	0	0	0	0	83	2	83	0	83	32	83	0
Province of Saskatchewan	230	0	0	3	3	0	230	2	230	0	0	0	0	0	230	4	230	0	230	104	230	0
Province of Alberta	496	1	2	2	5	2	439	0	439	0	2	3	1	0	439	10	439	5	439	177	439	1
Prairies	726	1	2	5	8	2	669	2	669	0	2	3	1	0	669	14	669	5	669	281	669	1
British Columbia	289	0	0	3	3	1	289	1	190	0	1	2	4	0	190	3	190	1	146	56	146	4
Yukon	6	0	0	0	0	0	6	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	5	0	0	0	0	0	5	0	5	0	0	0	0	0	5	0	5	0	5	0	5	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	13	0	0	0	0	0	13	0	7	0	0	0	0	0	7	0	7	0	7	2	7	0
CANADA	2768	1	2	9	12	3	2719	12	2021	3	16	11	9	0	2007	38	1971	6	1106	441	1510	9

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 - September 29, 2018 (Reporting Weeks 201835-201839)

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	150	0	0	0	0	0	150	0	150	0	0	2	0	0	150	4	150	0	150	41	N.A.	N.A.
Prince Edward Island	19	0	0	0	0	0	16	0	18	0	0	1	0	0	13	1	13	0	13	6	13	0
Nova Scotia	67	0	0	0	0	0	67	0	36	0	0	1	0	0	36	0	36	0	36	11	36	0
New Brunswick	295	0	0	1	1	0	295	2	149	0	0	1	0	0	149	8	149	0	149	29	149	1
Atlantic	531	0	0	1	1	0	528	2	353	0	0	5	0	0	348	13	348	0	348	87	198	1
Région Nord-Est	113	0	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	195	0	0	0	0	0	266	1	274	1	6	0	1	0	281	1	258	1	N.A.	N.A.	258	0
Centre-du-Québec	122	0	0	0	0	0	125	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	2188	0	0	3	3	0	2281	22	1923	6	34	14	11	0	1923	43	1863	5	N.A.	N.A.	1863	2
Ouest du Québec	167	0	0	0	0	0	145	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	188	0	0	0	0	0	185	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	2973	0	0	3	3	0	3109	25	2197	7	40	14	12	0	2204	44	2121	6	N.A.	N.A.	2121	2
Ottawa P.H.L.	47	0	0	0	0	0	44	0	44	0	0	0	0	0	44	0	41	0	3	0	0	0
CHEO - Ottawa	399	0	0	0	0	0	399	4	99	0	1	2	0	0	99	9	99	0	99	39	99	0
Kingston P.H.L.	44	0	0	0	0	0	44	0	44	0	0	0	0	0	44	0	44	0	5	0	0	0
UHN / Mount Sinai Hospital	859	0	0	2	2	0	859	8	57	0	0	0	0	0	0	0	31	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	854	9	5	0	14	3	836	3	836	3	7	3	0	0	836	2	803	1	54	0	0	0
Sick Kids Hospital - Toronto	204	0	0	0	0	0	204	2	204	0	2	3	2	0	204	6	204	1	204	88	204	1
Sunnybrook & Women's College HSC	137	0	0	0	0	0	137	0	137	0	0	1	0	0	137	0	137	0	137	24	137	4
Sault Ste. Marie P.H.L.	13	0	0	0	0	0	13	0	13	0	0	0	0	0	13	0	13	0	0	0	0	0
Timmins P.H.L.	11	0	0	0	0	0	11	0	11	0	0	0	0	0	11	0	10	0	1	0	0	0
St. Joseph's - London	96	0	0	0	0	0	96	0	96	0	1	3	0	0	96	0	96	0	96	39	96	0
London P.H.L.	154	0	0	0	0	0	152	1	152	0	1	0	0	0	152	1	144	0	11	0	0	0
Orillia P.H.L.	33	0	0	0	0	0	31	0	31	0	0	0	0	0	31	0	29	0	2	0	0	0
Thunder Bay P.H.L.	15	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	12	0	2	0	0	0
Sudbury P.H.L.	54	0	0	0	0	0	54	1	54	0	0	0	0	0	54	0	45	0	9	0	0	0
Hamilton P.H.L.	158	0	0	0	0	0	154	5	154	0	0	0	0	0	154	1	151	0	5	0	0	0
Peterborough P.H.L.	75	0	0	0	0	0	75	2	75	0	0	0	0	0	75	0	75	0	2	0	0	0
Province of Ontario	3153	9	5	2	16	3	3123	26	2021	3	12	12	2	0	1964	19	1934	2	630	190	536	5
Manitoba	422	0	0	0	0	0	419	0	324	0	0	1	1	0	324	3	103	0	324	54	137	0
Regina	600	0	2	0	2	0	600	0	600	0	4	7	3	0	600	11	600	0	600	247	600	0
Saskatoon	299	0	0	5	5	0	299	2	299	1	0	1	0	0	299	10	299	0	299	105	299	1
Province of Saskatchewan	899	0	2	5	7	0	899	2	899	1	4	8	3	0	899	21	899	0	899	352	899	1
Province of Alberta	2067	4	7	7	18	3	1862	0	1862	1	12	17	13	0	1862	29	1862	11	1862	678	1862	6
Prairies	3388	4	9	12	25	3	3180	2	3085	2	16	26	17	0	3085	53	2864	11	3085	1084	2898	7
British Columbia	1103	4	5	9	18	1	1103	3	809	2	3	18	12	0	809	15	809	3	681	211	681	4
Yukon	18	0	0	0	0	0	18	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	39	0	0	0	0	0	39	0	39	0	0	1	0	0	39	4	39	0	39	14	39	1
Nunavut	8	0	0	0	0	0	8	0	8	0	0	0	0	0	8	1	7	0	8	5	7	0
Territories	65	0	0	0	0	0	65	0	47	0	0	1	0	0	47	5	46	0	47	19	46	1
CANADA	11213	17	19	27	63	7	11108	58	8512	14	71	76	43	0	8457	149	8122	22	4791	1591	6480	20

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

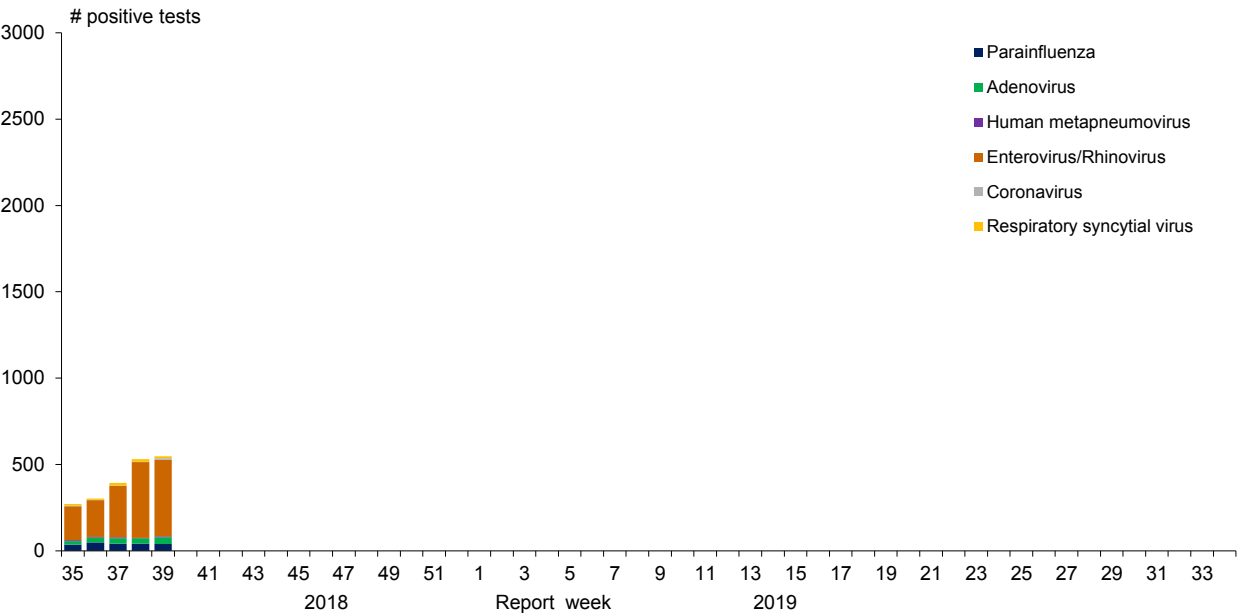


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

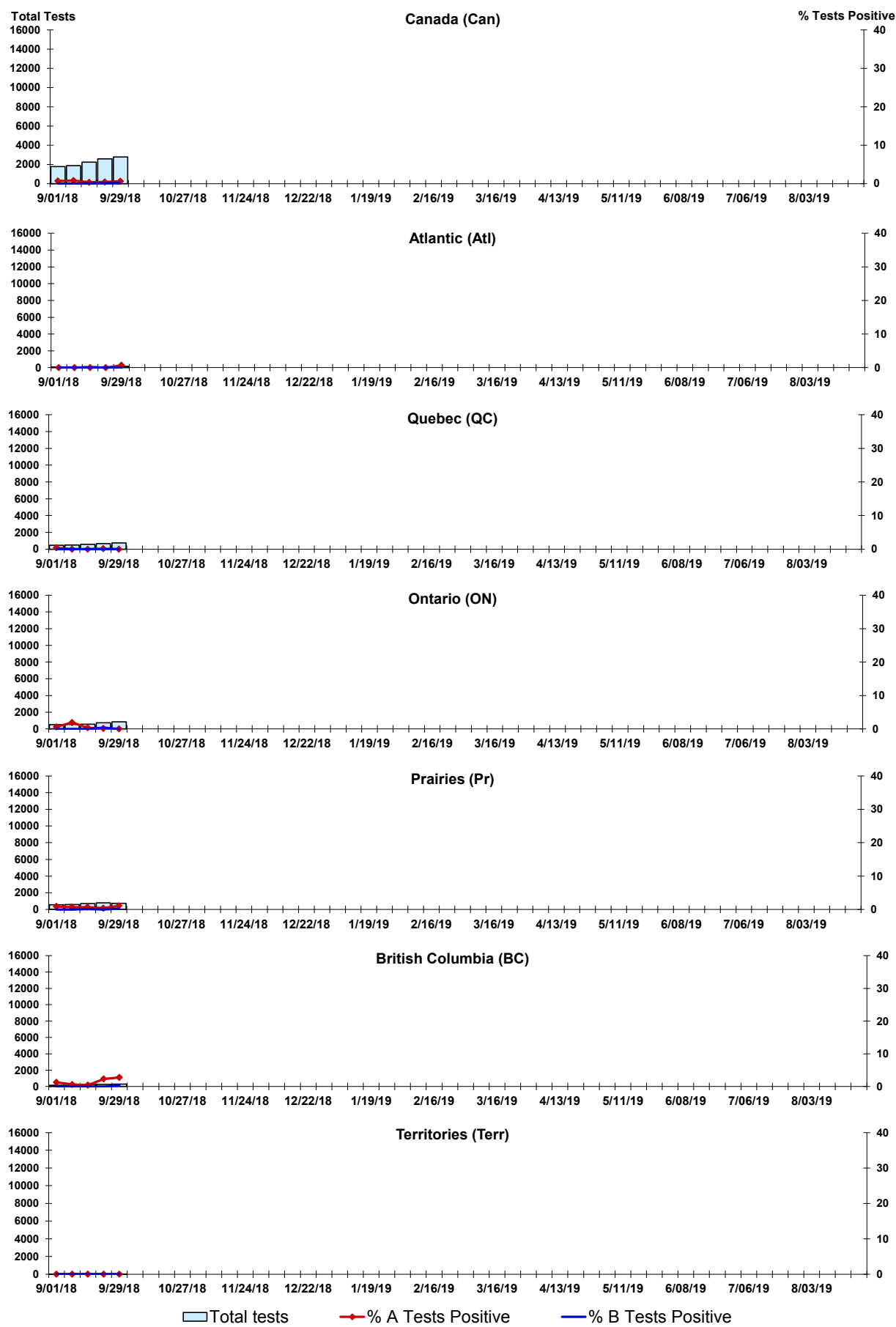


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

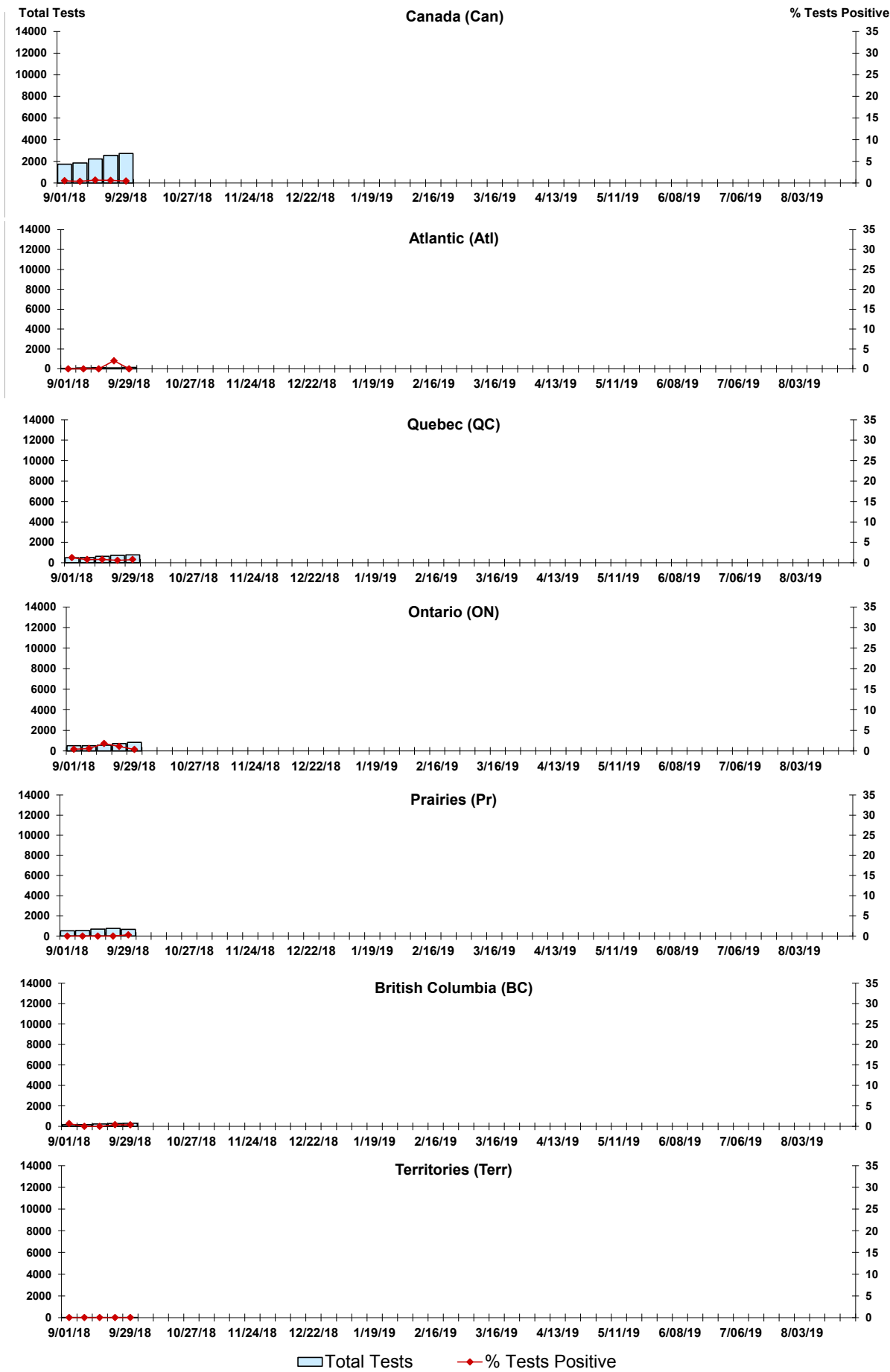


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

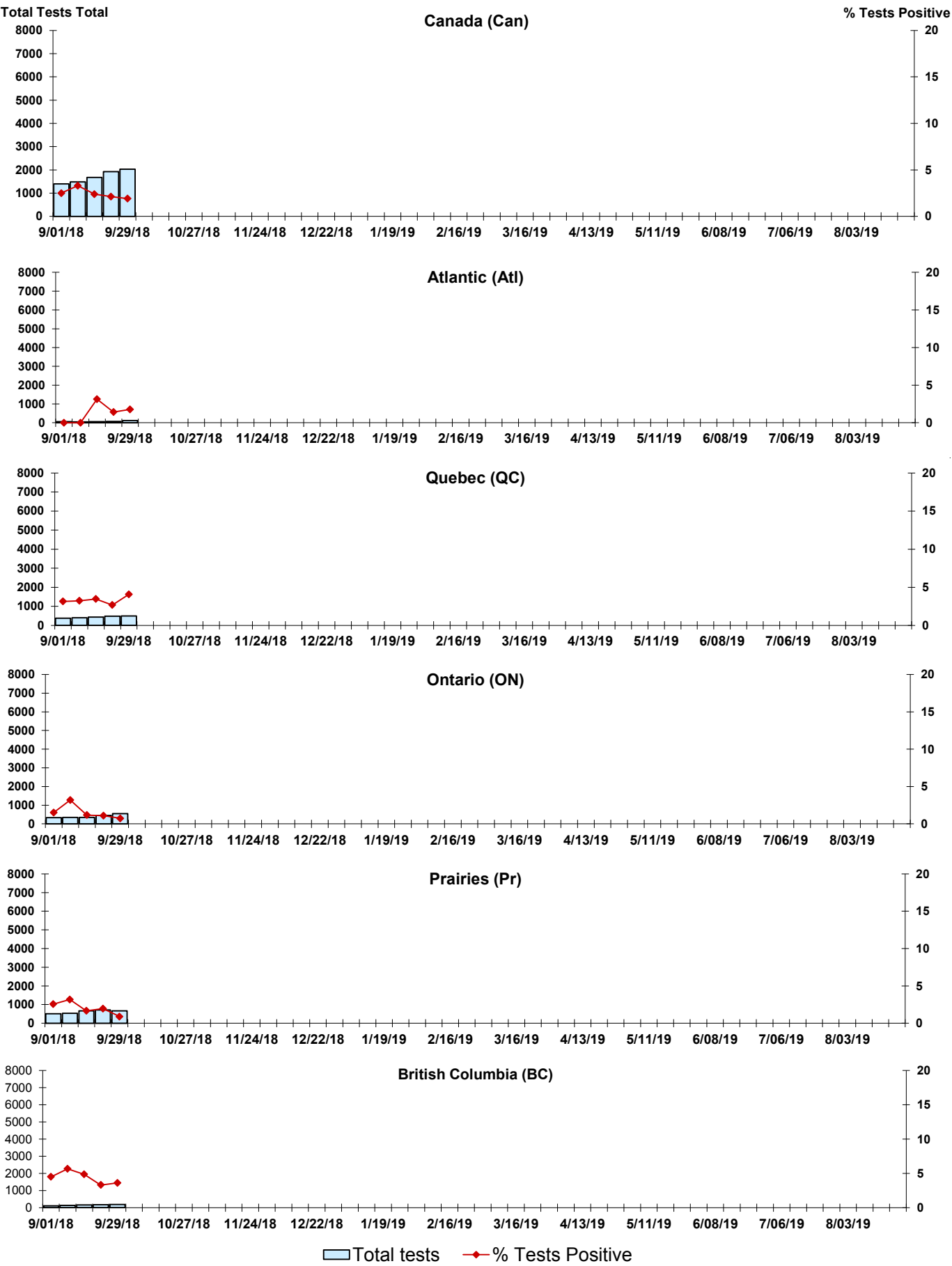


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

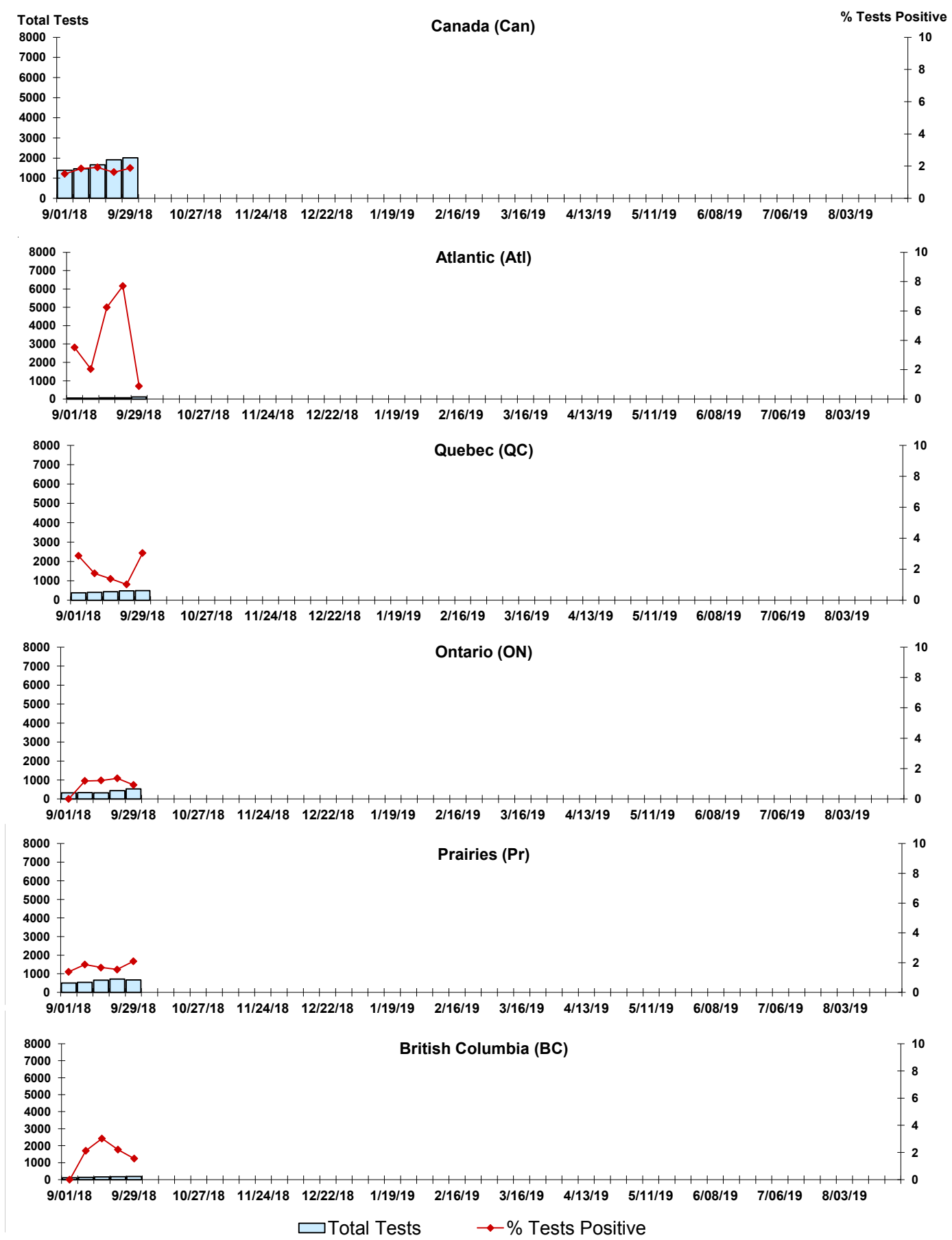


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

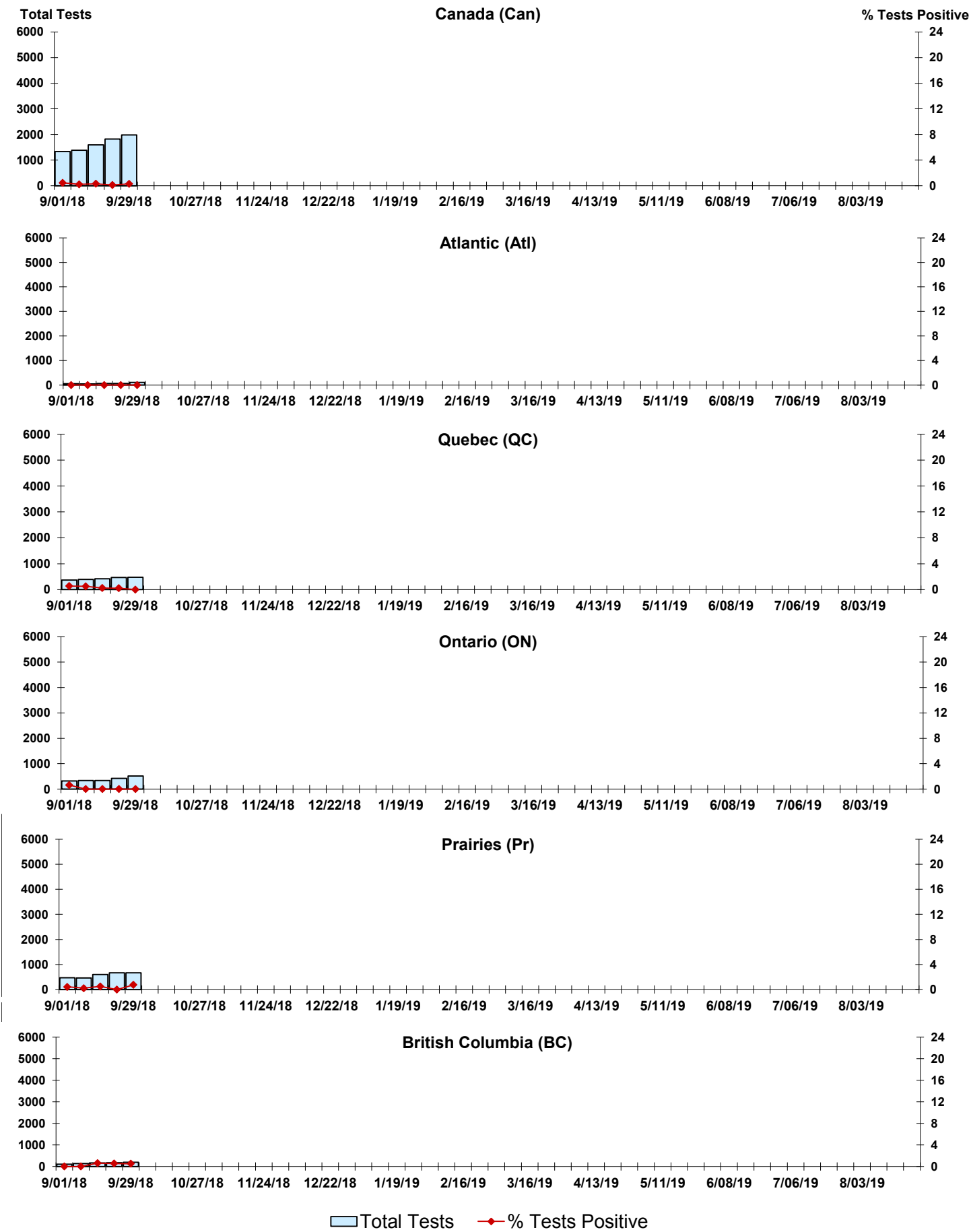
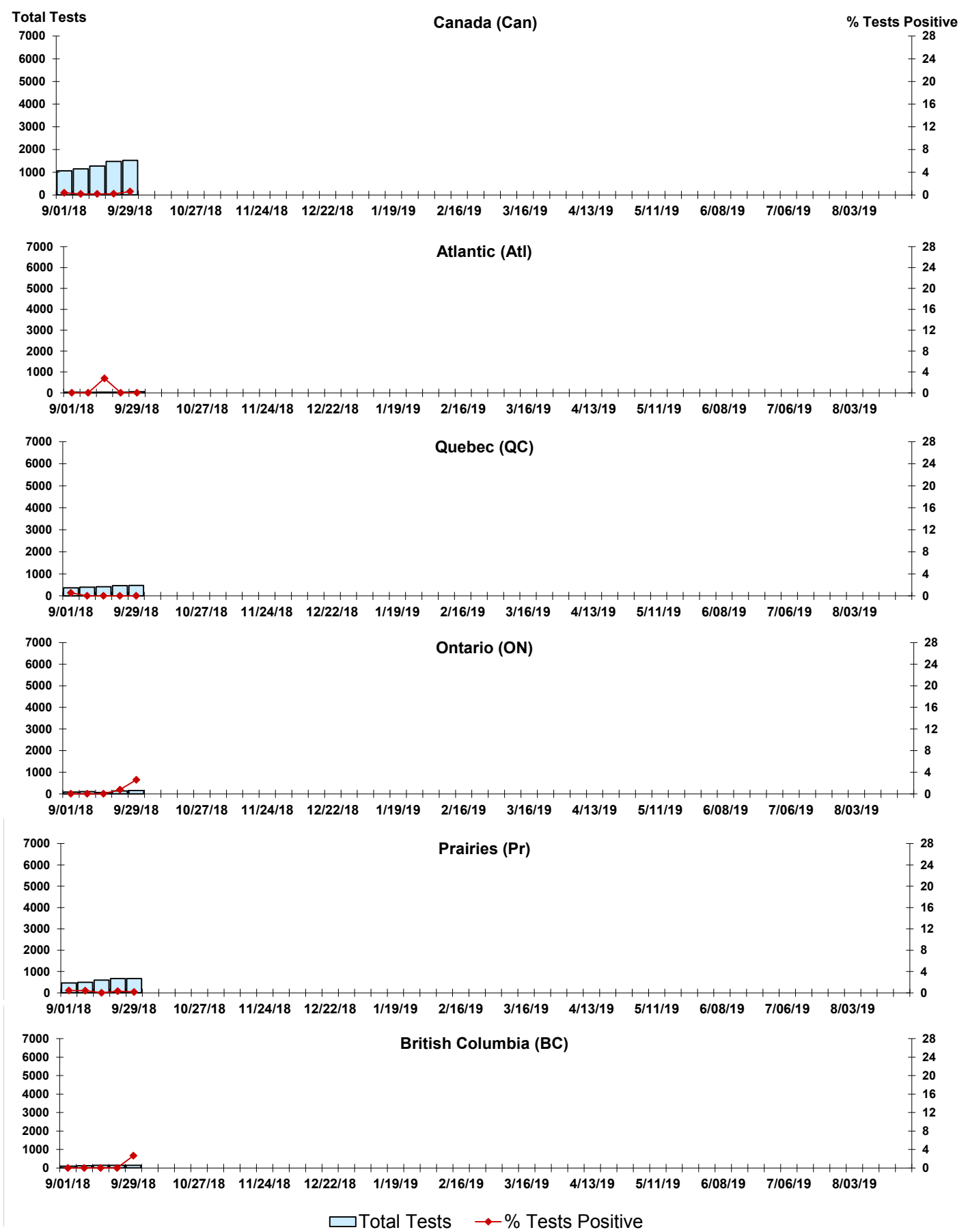


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report



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.