

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 35 - ending September 1, 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 1, 2018 (Reporting Week 201835)

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	22	0	0	0	0	0	22	0	22	0	0	0	0	0	22	0	22	0	22	7	N.A.	N.A.
Prince Edward Island	3	0	0	0	0	0	0	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
Nova Scotia	4	0	0	0	0	0	4	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
New Brunswick	31	0	0	0	0	0	31	0	31	0	0	0	0	0	31	2	31	0	31	4	31	0
Atlantic	60	0	0	0	0	0	57	0	57	0	0	0	0	0	57	2	57	0	57	11	35	0
Région Nord-Est	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Centre-du-Québec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Ouest du Québec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Ottawa P.H.L.	18	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	0	0	0	0
CHEO - Ottawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kingston P.H.L.	9	0	0	0	0	0	9	0	9	0	0	0	0	0	9	0	9	0	0	0	0	0
UHN / Mount Sinai Hospital	152	0	0	0	0	0	152	0	9	0	0	0	0	0	0	0	9	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	141	3	0	0	3	0	136	1	136	0	0	0	0	0	136	0	131	1	8	0	0	0
Sick Kids Hospital - Toronto	36	0	0	0	0	0	36	0	36	0	1	1	1	0	36	0	36	1	36	8	36	0
Sunnybrook & Women's College HSC	30	0	0	0	0	0	30	0	30	0	0	1	0	0	30	0	30	0	30	6	30	0
Sault Ste. Marie P.H.L.	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0
Timmins P.H.L.	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	1	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.	26	0	0	0	0	0	26	1	26	0	0	0	0	0	26	0	25	0	1	0	0	0
Orillia P.H.L.	8	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	5	0	1	0	0	0
Thunder Bay 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
Sudbury P.H.L.	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	5	0	2	0	0	0
Hamilton P.H.L.	22	0	0	0	0	0	18	0	18	0	0	0	0	0	18	0	18	0	0	0	0	0
Peterborough P.H.L.	9	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	6	0	0	0	0	0
Province of Ontario	466	3	0	0	3	0	441	2	298	0	1	2	1	0	289	0	288	2	79	14	66	0
Manitoba	93	0	0	0	0	0	92	0	73	0	0	0	0	0	73	0	32	0	73	13	32	0
Regina	98	0	0	0	0	0	98	0	98	0	1	3	0	0	98	1	98	0	98	37	98	0
Saskatoon	40	0	0	0	0	0	40	0	40	0	0	0	0	0	40	2	40	0	40	9	40	0
Province of Saskatchewan	138	0	0	0	0	0	138	0	138	0	1	3	0	0	138	3	138	0	138	46	138	0
Province of Alberta	312	3	2	0	5	0	285	0	285	1	2	4	2	0	285	3	285	2	285	86	285	2
Prairies	543	3	2	0	5	0	515	0	496	1	3	7	2	0	496	6	455	2	496	145	455	2
British Columbia	155	1	0	1	2	0	155	1	113	0	0	5	0	0	113	0	113	0	98	17	98	0
Yukon	2	0	0	0	0	0	2	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	6	0	0	0	0	0	6	0	6	0	0	0	0	0	6	1	6	0	6	2	6	0
Nunavut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Territories	8	0	0	0	0	0	8	0	6	0	0	0	0	0	6	1	6	0	6	2	6	0
CANADA	1232	7	2	1	10	0	1176	3	970	1	4	14	3	0	961	9	919	4	736	189	660	2

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 1, 2018 (Reporting Weeks 201835-201835)

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	22	0	0	0	0	0	22	0	22	0	0	0	0	0	22	0	22	0	22	7	N.A.	N.A.
Prince Edward Island	3	0	0	0	0	0	0	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
Nova Scotia	4	0	0	0	0	0	4	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
New Brunswick	31	0	0	0	0	0	31	0	31	0	0	0	0	0	31	2	31	0	31	4	31	0
Atlantic	60	0	0	0	0	0	57	0	57	0	0	0	0	0	57	2	57	0	57	11	35	0
Région Nord-Est	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Centre-du-Québec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Ouest du Québec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Ottawa P.H.L.	18	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	0	0	0	0
CHEO - Ottawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kingston P.H.L.	9	0	0	0	0	0	9	0	9	0	0	0	0	0	9	0	9	0	0	0	0	0
UHN / Mount Sinai Hospital	152	0	0	0	0	0	152	0	9	0	0	0	0	0	0	0	9	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	141	3	0	0	3	0	136	1	136	0	0	0	0	0	136	0	131	1	8	0	0	0
Sick Kids Hospital - Toronto	36	0	0	0	0	0	36	0	36	0	1	1	1	0	36	0	36	1	36	8	36	0
Sunnybrook & Women's College HSC	30	0	0	0	0	0	30	0	30	0	0	1	0	0	30	0	30	0	30	6	30	0
Sault Ste. Marie P.H.L.	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0
Timmins P.H.L.	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	1	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.	26	0	0	0	0	0	26	1	26	0	0	0	0	0	26	0	25	0	1	0	0	0
Orillia P.H.L.	8	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	5	0	1	0	0	0
Thunder Bay 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
Sudbury P.H.L.	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	5	0	2	0	0	0
Hamilton P.H.L.	22	0	0	0	0	0	18	0	18	0	0	0	0	0	18	0	18	0	0	0	0	0
Peterborough P.H.L.	9	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	6	0	0	0	0	0
Province of Ontario	466	3	0	0	3	0	441	2	298	0	1	2	1	0	289	0	288	2	79	14	66	0
Manitoba	93	0	0	0	0	0	92	0	73	0	0	0	0	0	73	0	32	0	73	13	32	0
Regina	98	0	0	0	0	0	98	0	98	0	1	3	0	0	98	1	98	0	98	37	98	0
Saskatoon	40	0	0	0	0	0	40	0	40	0	0	0	0	0	40	2	40	0	40	9	40	0
Province of Saskatchewan	138	0	0	0	0	0	138	0	138	0	1	3	0	0	138	3	138	0	138	46	138	0
Province of Alberta	312	3	2	0	5	0	285	0	285	1	2	4	2	0	285	3	285	2	285	86	285	2
Prairies	543	3	2	0	5	0	515	0	496	1	3	7	2	0	496	6	455	2	496	145	455	2
British Columbia	155	1	0	1	2	0	155	1	113	0	0	5	0	0	113	0	113	0	98	17	98	0
Yukon	2	0	0	0	0	0	2	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	6	0	0	0	0	0	6	0	6	0	0	0	0	0	6	1	6	0	6	2	6	0
Nunavut	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Territories	8	0	0	0	0	0	8	0	6	0	0	0	0	0	6	1	6	0	6	2	6	0
CANADA	1232	7	2	1	10	0	1176	3	970	1	4	14	3	0	961	9	919	4	736	189	660	2

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

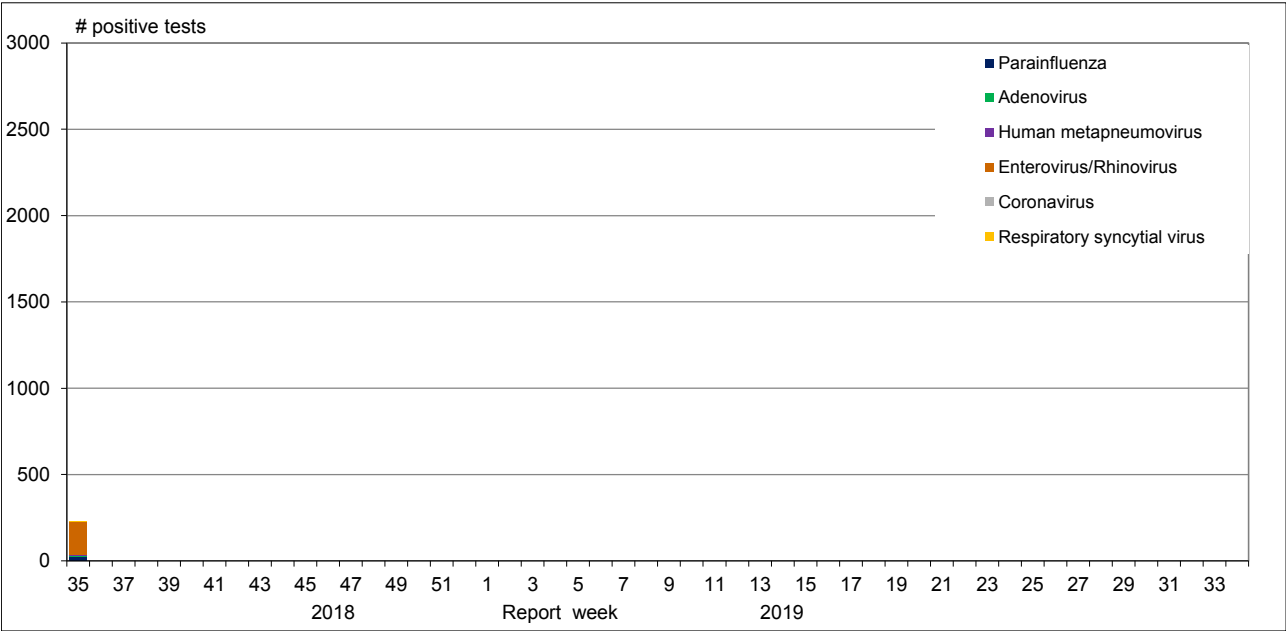


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

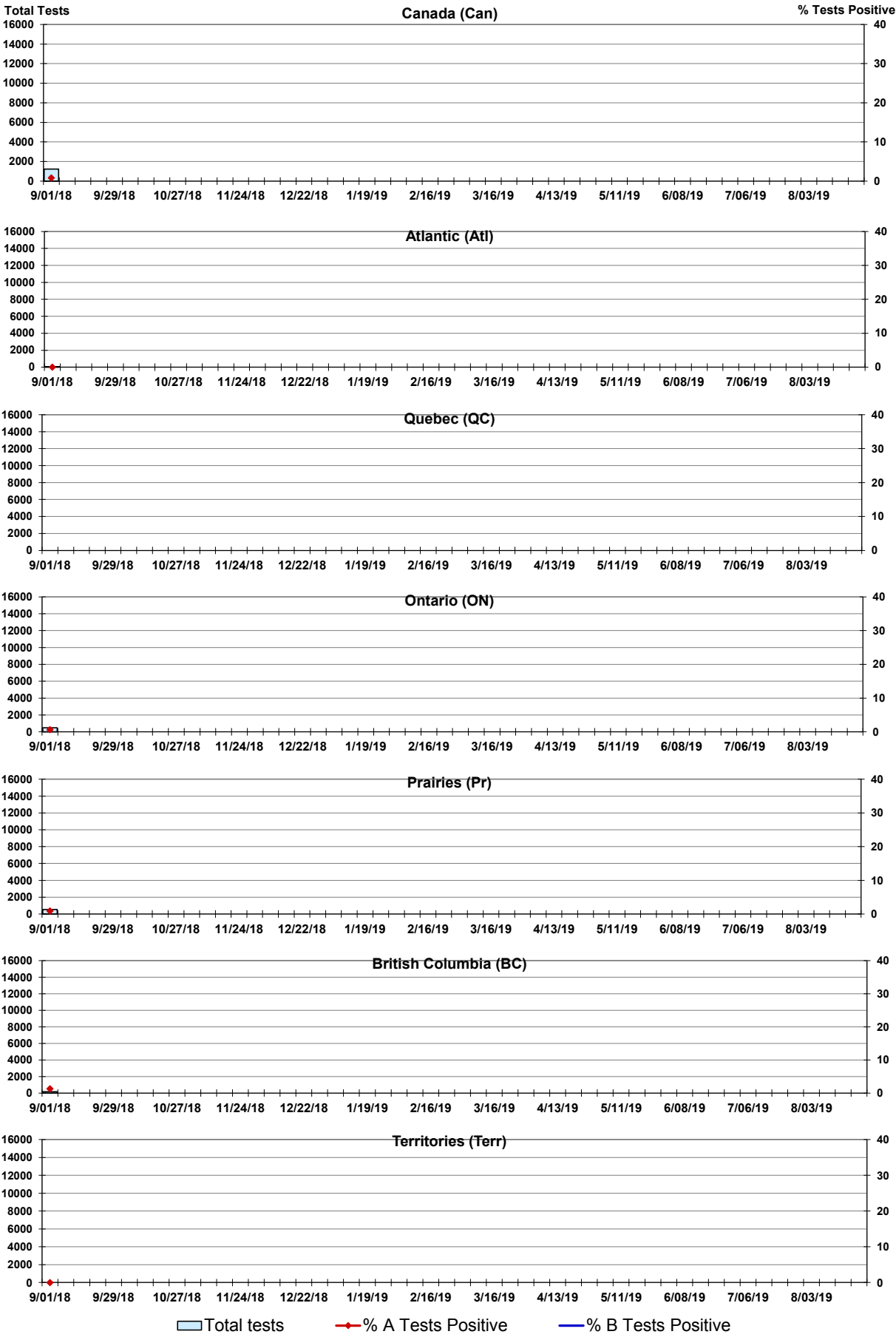


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

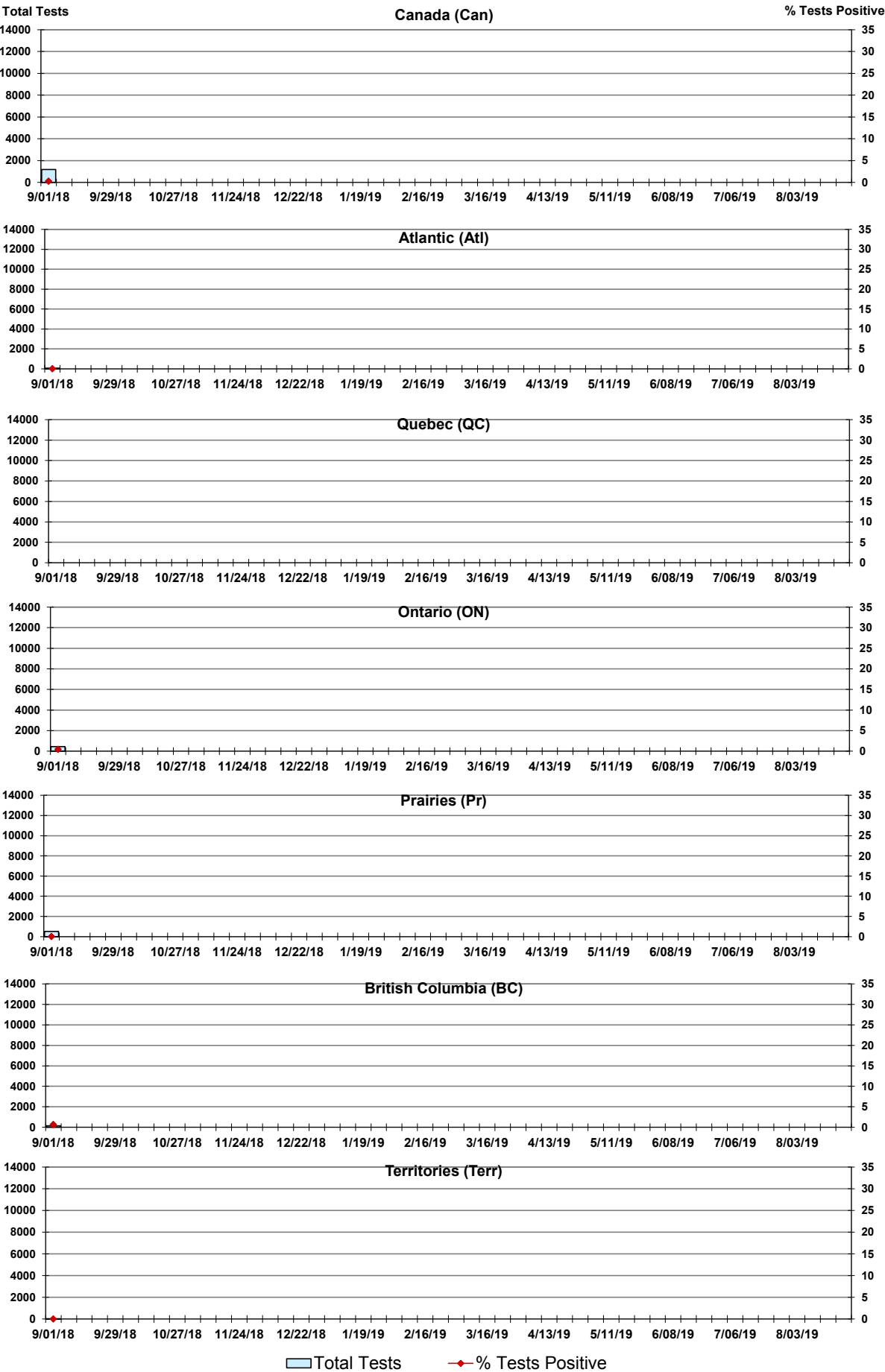


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

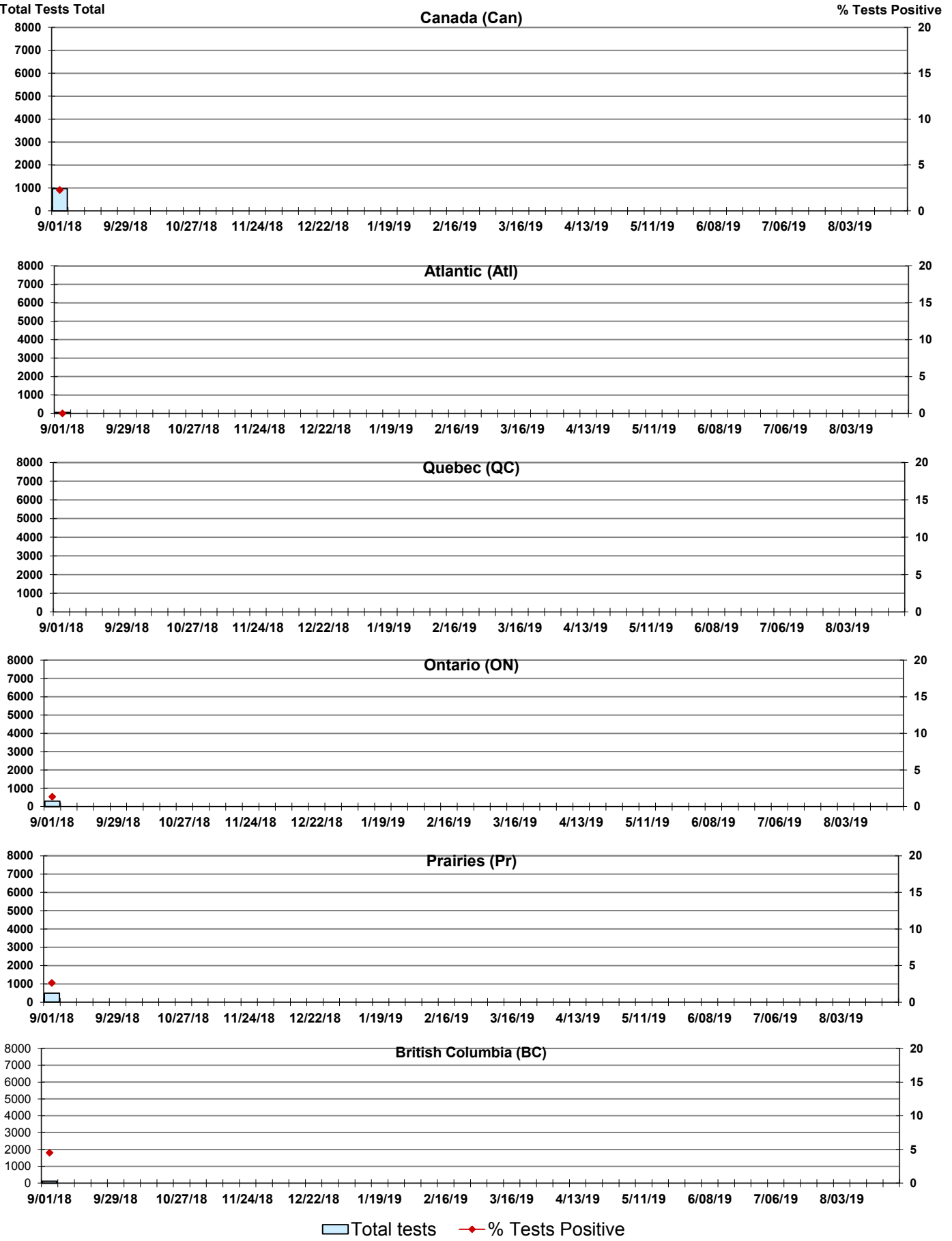


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

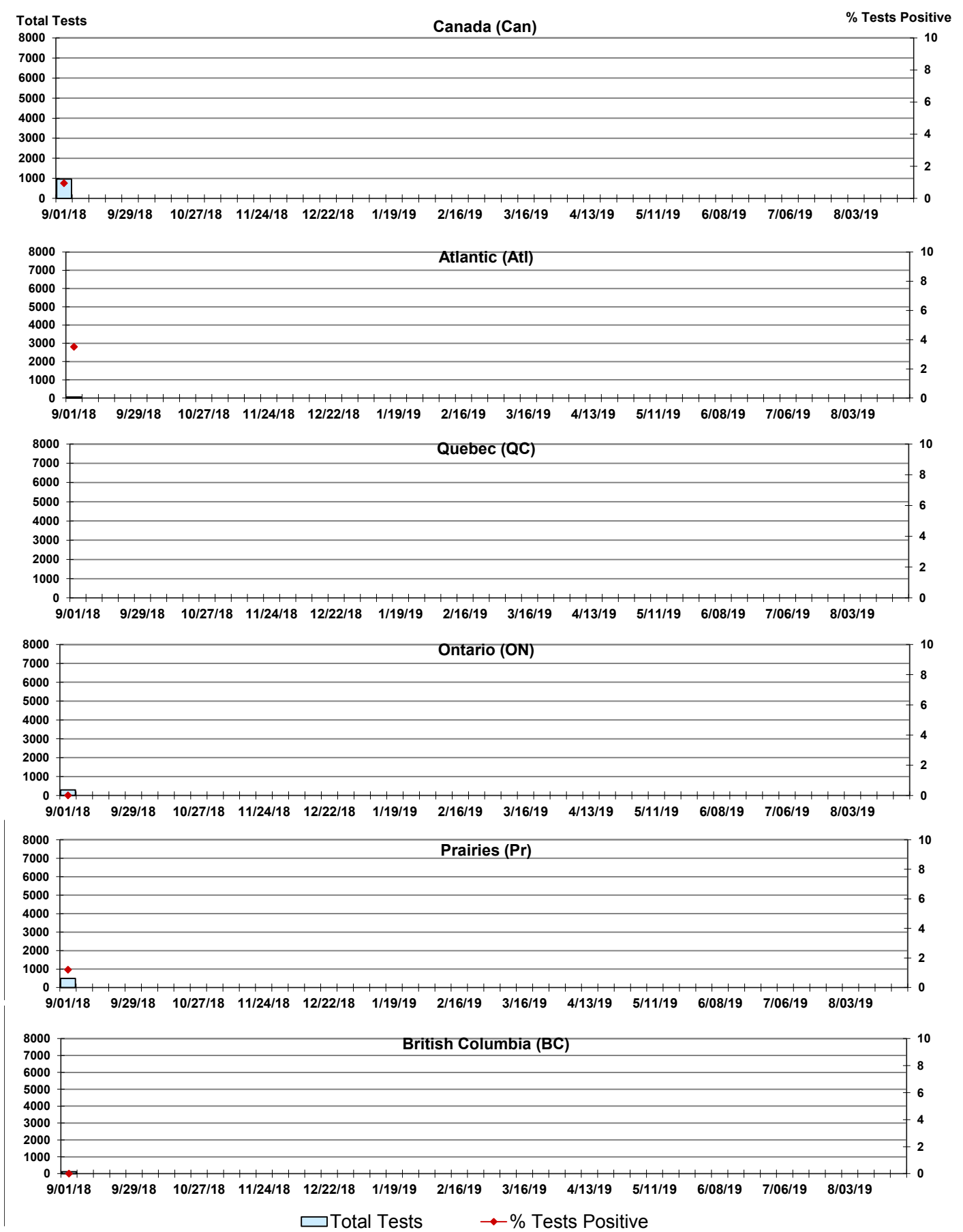


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

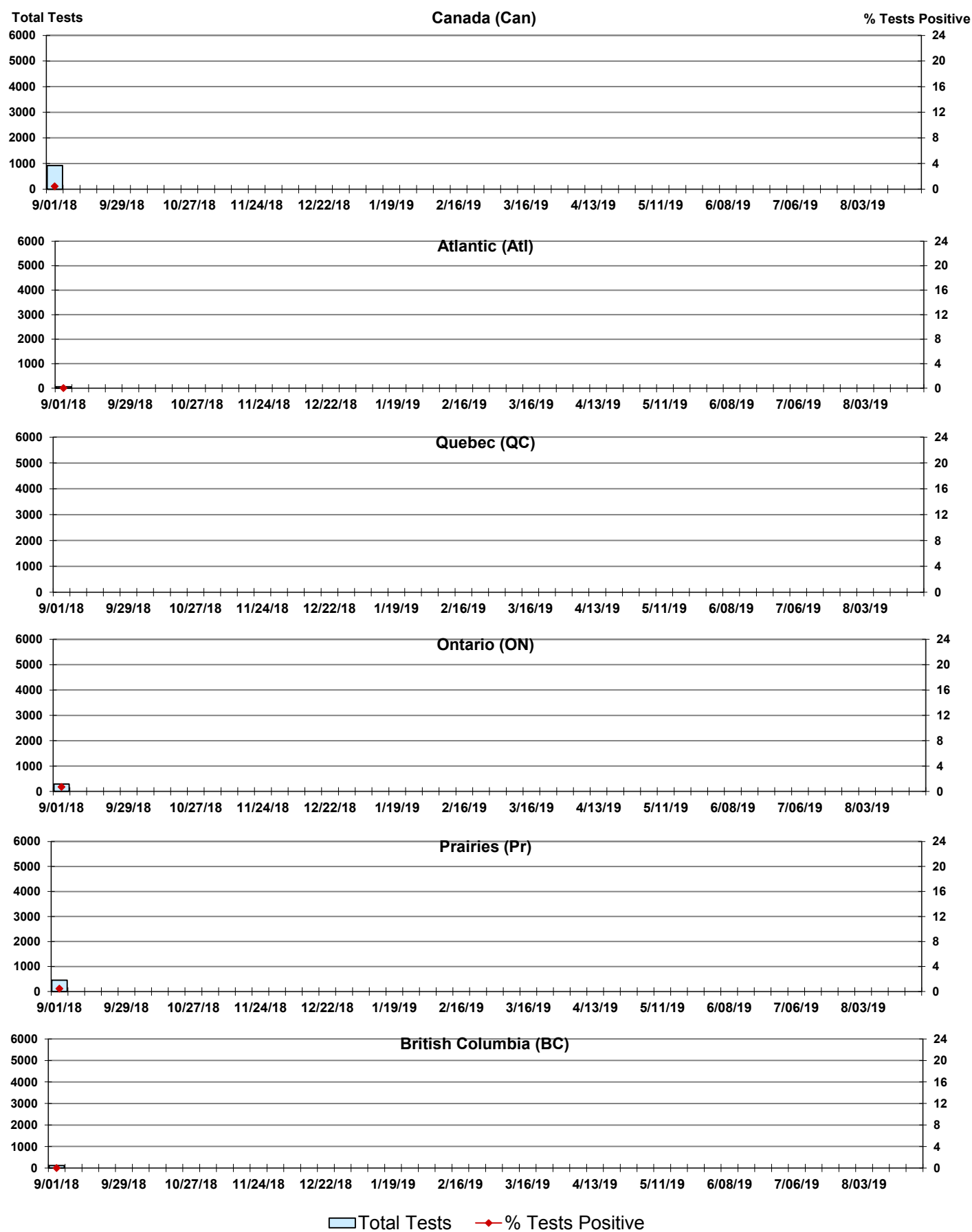


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

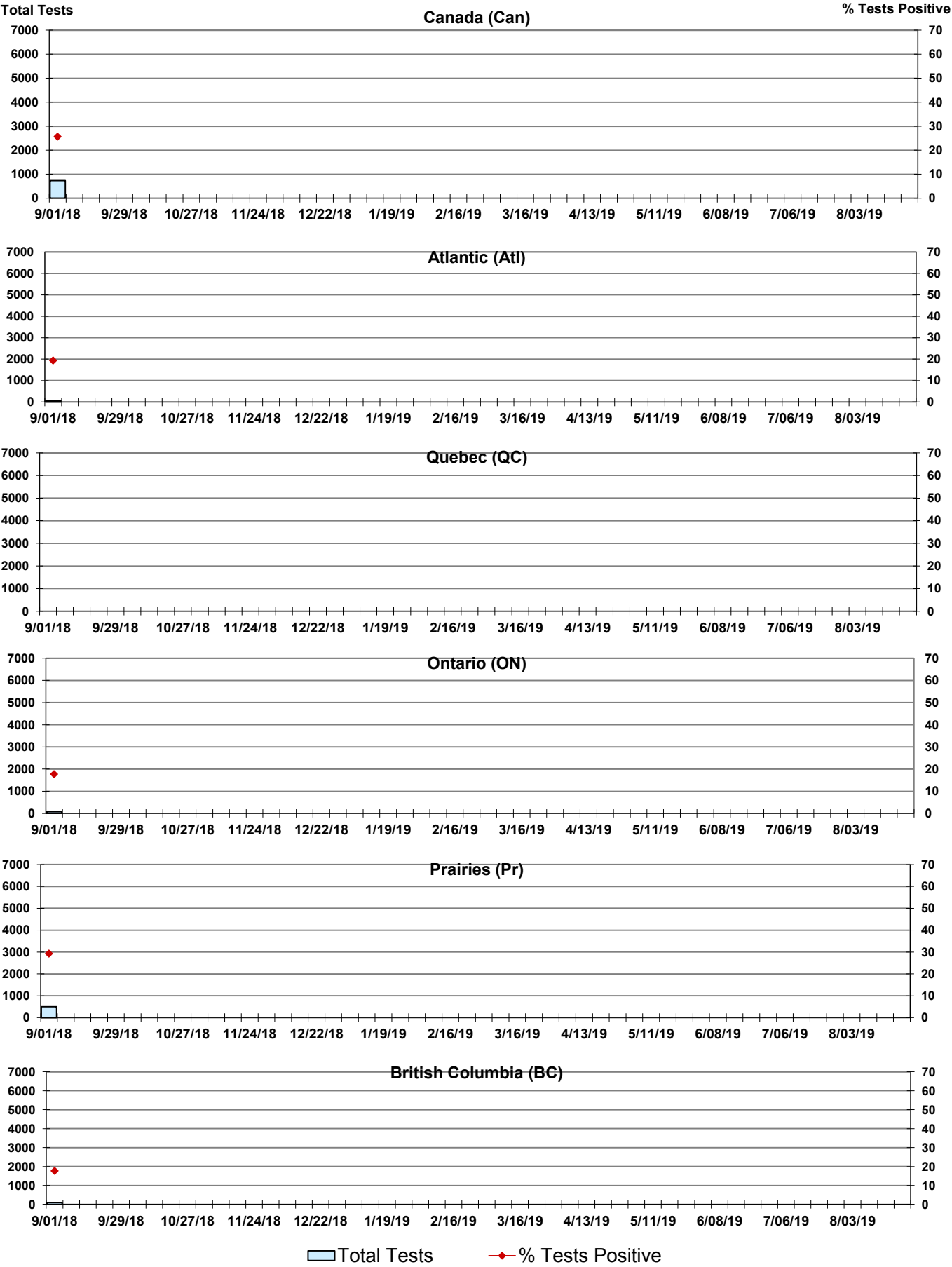
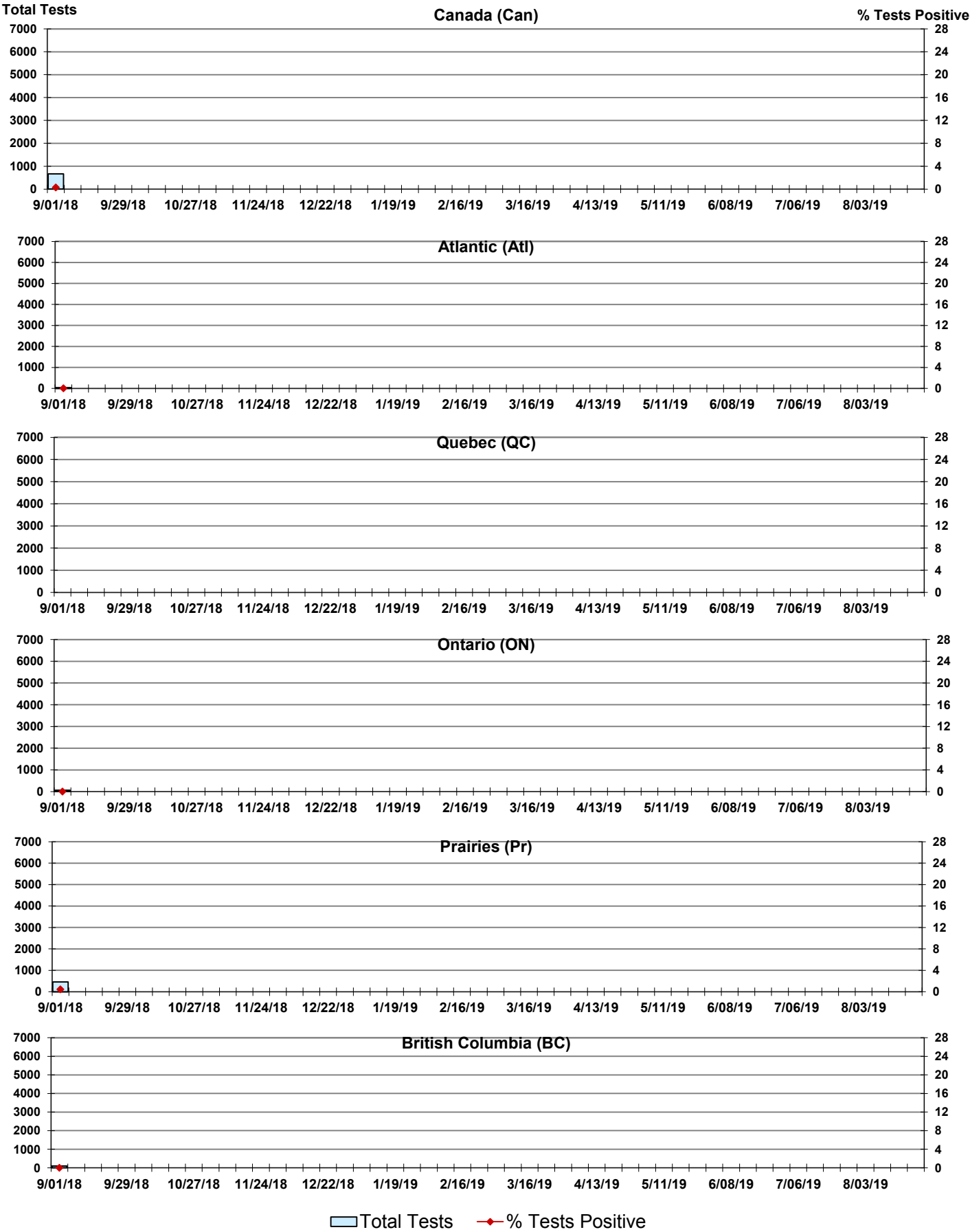


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.