

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 35 - ending September 2, 2017

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 2, 2017 (Reporting Week 201735)

Reporting Laboratory	Flu Tested	A(H1N1)pdm09 Positive	AH3 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	26	0	0	0	0	0	26	0	26	0	0	0	0	0	26	0	26	0	26	5	N.A.	
Prince Edward Island	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
Nova Scotia	19	0	0	0	0	0	19	0	15	0	0	0	0	0	15	0	15	0	15	1	15	0
New Brunswick	52	0	0	1	1	0	52	0	22	0	0	0	0	0	22	0	22	0	22	2	22	0
Atlantic	98	0	0	1	1	0	98	0	64	0	0	0	0	0	64	0	64	0	64	8	38	0
Région Nord-Est	20	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Québec-Chaudière-Appalaches	45	0	0	0	0	0	69	0	69	0	1	0	1	0	69	0	62	0	N.A.		62	0
Centre-du-Québec	6	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Montréal-Laval	339	0	0	0	0	0	327	3	300	9	0	3	2	0	307	5	297	6	N.A.		267	0
Ouest du Québec	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Montréal	16	0	0	0	0	0	16	1	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Province of Québec	431	0	0	0	0	0	431	4	369	9	1	3	3	0	376	5	359	6	N.A.		329	0
Ottawa P.H.L.	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	0	0	0	0
CHEO - Ottawa	62	0	0	0	0	0	62	1	24	1	0	0	0	0	24	0	24	0	24	6	24	1
Kingston P.H.L.	13	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	3	2	3	0
UHN / Mount Sinai Hospital	115	0	0	0	0	0	115	0	17	1	0	0	0	0	0	0	17	2	N.A.		N.A.	
P.H.O.L. - Toronto	197	0	3	0	3	0	186	1	186	1	0	1	1	0	186	2	180	1	76	14	70	2
Sick Kids Hospital - Toronto	51	0	0	0	0	0	51	0	51	2	0	0	0	0	51	0	51	2	51	15	51	0
Sunnybrook & Women's College HSC	23	0	0	0	0	0	23	0	23	1	0	2	1	0	23	0	23	0	3	0	23	0
Sault Ste. Marie P.H.L.	9	0	0	0	0	0	7	0	7	0	0	0	1	0	7	0	7	0	6	3	6	0
Timmins P.H.L.	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	0	0	0	0
St. Joseph's - London	13	0	0	0	0	0	13	0	13	0	0	0	0	0	13	0	0	0	13	1	13	0
London P.H.L.	25	0	0	0	0	0	21	0	21	0	0	0	0	0	21	0	18	0	16	4	13	0
Orillia P.H.L.	8	0	0	0	0	0	5	0	5	0	0	1	0	0	5	1	5	0	4	0	3	0
Thunder Bay P.H.L.	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	1	0	1	0
Sudbury P.H.L.	10	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	10	0	4	1	4	0
Hamilton P.H.L.	30	0	0	0	0	0	25	0	25	0	0	0	0	0	25	0	22	0	20	5	17	2
Peterborough P.H.L.	22	0	0	0	0	0	21	0	21	0	0	1	0	0	21	0	21	0	10	6	10	0
Province of Ontario	587	0	3	0	3	0	555	2	419	6	0	5	3	0	402	3	394	5	231	57	238	5
Manitoba	91	0	0	0	0	0	90	1	90	0	0	0	0	0	90	0	30	3	90	11	30	0
Regina	100	0	0	0	0	0	100	0	100	2	1	0	1	0	100	1	100	0	100	35	100	0
Saskatoon	48	0	0	0	0	0	48	0	48	0	0	0	0	0	48	2	48	0	48	12	48	1
Province of Saskatchewan	148	0	0	0	0	0	148	0	148	2	1	0	1	0	148	3	148	0	148	47	148	1
Province of Alberta	306	5	7	0	12	3	291	0	291	4	0	2	3	0	291	3	291	11	291	70	291	1
Prairies	545	5	7	0	12	3	529	1	529	6	1	2	4	0	529	6	469	14	529	128	469	2
British Columbia	132	1	11	0	12	1	132	0	109	2	1	1	0	0	109	1	109	3	80	19	80	1
Yukon	7	0	0	1	1	0	7	1	N.A.						N.A.		N.A.		N.A.		N.A.	
Northwest Territories	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	1	7	1	7	0
Nunavut	7	0	0	0	0	1	7	0	7	0	0	0	0	0	7	0	7	0	2	0	2	1
Territories	21	0	0	1	1	1	21	1	14	0	0	0	0	0	14	0	14	1	9	1	9	1
CANADA	1814	6	21	2	29	5	1766	8	1504	23	3	11	10	0	1494	15	1409	29	913	213	1163	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.

Abbreviations:
Adeno: Adenovirus
Coron: Coronavirus
CHEO: Children's Hospital of Eastern Ontario
Entero: Enterovirus

hMPV: human metapneumovirus
HSC: Health Sciences Centre
P.H.L.: Public Health Laboratory
P.H.O.L.: Public Health Ontario Laboratory

N.A.: Not Applicable
RSV: Respiratory syncytial virus
PIV: Parainfluenza
Rhino: Rhinovirus

Table 2: Respiratory Virus Detections/Isolations for the period August 27, 2017 - September 2, 2017 (Reporting Weeks / Code hebdomadaire 201735-201735)

Reporting Laboratory	Flu Tested	A(H1N1)pdm09 Positive	AH3 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	Enterov/Rhino Rhino Tested	Enterov/Rhino Positive	Coron Tested	Coron Positive
Newfoundland	26	0	0	0	0	0	26	0	26	0	0	0	0	0	26	0	26	0	26	5	N.A.	
Prince Edward Island	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
Nova Scotia	19	0	0	0	0	0	19	0	15	0	0	0	0	0	15	0	15	0	15	1	15	0
New Brunswick	52	0	0	1	1	0	52	0	22	0	0	0	0	0	22	0	22	0	22	2	22	0
Atlantic	98	0	0	1	1	0	98	0	64	0	0	0	0	0	64	0	64	0	64	8	38	0
Région Nord-Est	20	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Québec-Chaudière-Appalaches	45	0	0	0	0	0	69	0	69	0	1	0	1	0	69	0	62	0	N.A.		62	0
Centre-du-Québec	6	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Montréal-Laval	339	0	0	0	0	0	327	3	300	9	0	3	2	0	307	5	297	6	N.A.		267	0
Ouest du Québec	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Montérégie	16	0	0	0	0	0	16	1	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Province of Québec	431	0	0	0	0	0	431	4	369	9	1	3	3	0	376	5	359	6	N.A.		329	0
Ottawa P.H.L.	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	0	0	0	0
CHEO - Ottawa	62	0	0	0	0	0	62	1	24	1	0	0	0	0	24	0	24	0	24	6	24	1
Kingston P.H.L.	13	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	3	2	3	0
UHN / Mount Sinai Hospital	115	0	0	0	0	0	115	0	17	1	0	0	0	0	0	0	17	2	N.A.		N.A.	
P.H.O.L. - Toronto	197	0	3	0	3	0	186	1	186	1	0	1	1	0	186	2	180	1	76	14	70	2
Sick Kids Hospital - Toronto	51	0	0	0	0	0	51	0	51	2	0	0	0	0	51	0	51	2	51	15	51	0
Sunnybrook & Women's College HSC	23	0	0	0	0	0	23	0	23	1	0	2	1	0	23	0	23	0	3	0	23	0
Sault Ste. Marie P.H.L.	9	0	0	0	0	0	7	0	7	0	0	0	1	0	7	0	7	0	6	3	6	0
Timmins P.H.L.	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	0	0	0	0
St. Joseph's - London	13	0	0	0	0	0	13	0	13	0	0	0	0	0	13	0	0	0	13	1	13	0
London P.H.L.	25	0	0	0	0	0	21	0	21	0	0	0	0	0	21	0	18	0	16	4	13	0
Orillia P.H.L.	8	0	0	0	0	0	5	0	5	0	0	1	0	0	5	1	5	0	4	0	3	0
Thunder Bay P.H.L.	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	1	0	1	0
Sudbury P.H.L.	10	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	10	0	4	1	4	0
Hamilton P.H.L.	30	0	0	0	0	0	25	0	25	0	0	0	0	0	25	0	22	0	20	5	17	2
Peterborough P.H.L.	22	0	0	0	0	0	21	0	21	0	0	1	0	0	21	0	21	0	10	6	10	0
Province of Ontario	587	0	3	0	3	0	555	2	419	6	0	5	3	0	402	3	394	5	231	57	238	5
Manitoba	91	0	0	0	0	0	90	1	90	0	0	0	0	0	90	0	30	3	90	11	30	0
Regina	100	0	0	0	0	0	100	0	100	2	1	0	1	0	100	1	100	0	100	35	100	0
Saskatoon	48	0	0	0	0	0	48	0	48	0	0	0	0	0	48	2	48	0	48	12	48	1
Province of Saskatchewan	148	0	0	0	0	0	148	0	148	2	1	0	1	0	148	3	148	0	148	47	148	1
Province of Alberta	306	5	7	0	12	3	291	0	291	4	0	2	3	0	291	3	291	11	291	70	291	1
Prairies	545	5	7	0	12	3	529	1	529	6	1	2	4	0	529	6	469	14	529	128	469	2
British Columbia	132	1	11	0	12	1	132	0	109	2	1	1	0	0	109	1	109	3	80	19	80	1
Yukon	7	0	0	1	1	0	7	1							N.A.		N.A.		N.A.		N.A.	
Northwest Territories	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	1	7	1	7	0
Nunavut	7	0	0	0	0	1	7	0	7	0	0	0	0	0	7	0	7	0	2	0	2	1
Territories	21	0	0	1	1	1	21	1	14	0	0	0	0	0	14	0	14	1	9	1	9	1
CANADA	1814	6	21	2	29	5	1766	8	1504	23	3	11	10	0	1494	15	1409	29	913	213	1163	9

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.

Abbreviations:

Adeno: Adenovirus
 Coron: Coronavirus
 CHEO: Children's Hospital of Eastern Ontario
 Entero: Enterovirus
 hMPV: human metapneumovirus
 HSC: Health Sciences Centre
 P.H.L.: Public Health Laboratory
 P.H.O.L.: Public Health Ontario Laboratory

N.A.: Not Applicable
 RSV: Respiratory syncytial virus
 PIV: Parainfluenza
 Rhino: Rhinovirus

Figure 1: Number positive laboratory tests for other respiratory viruses by report week, Canada, 2017-18

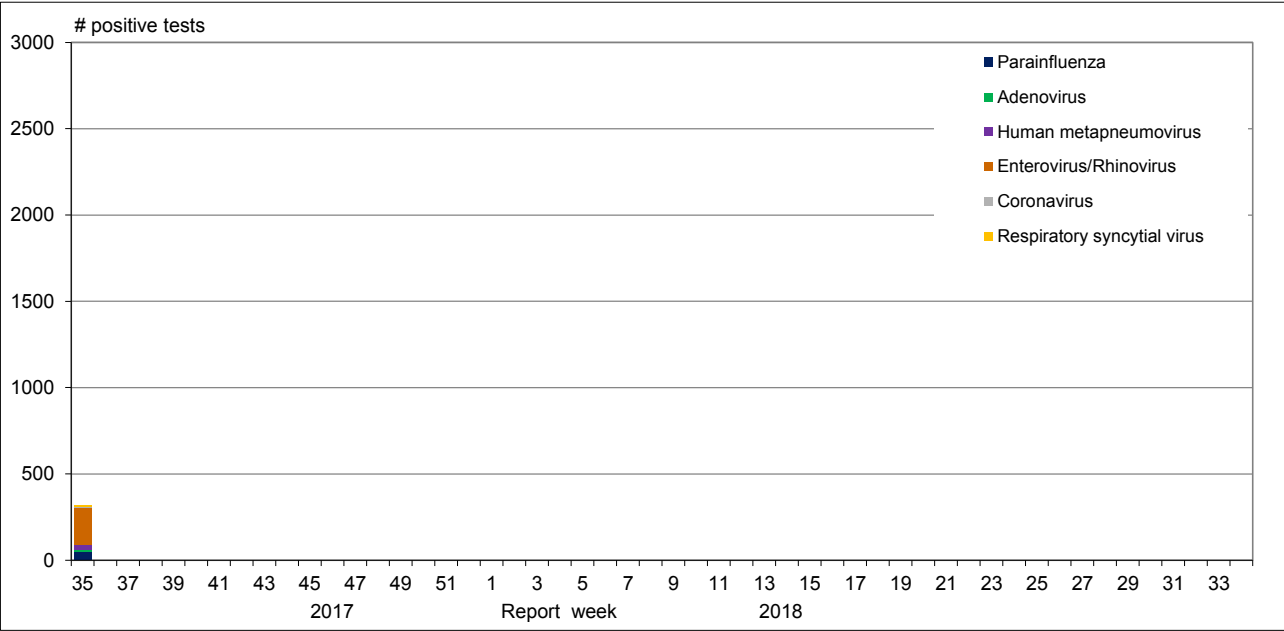


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

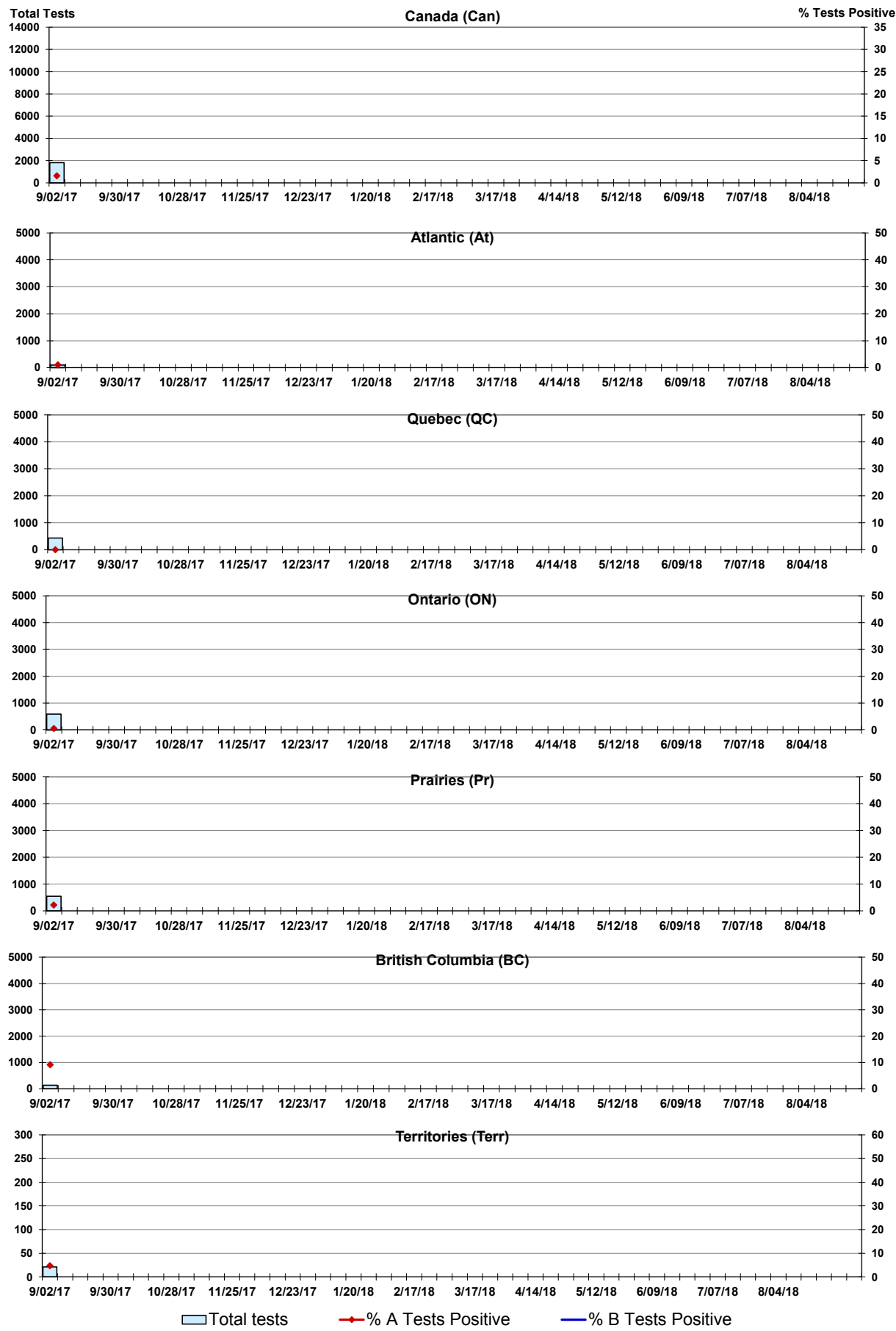


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

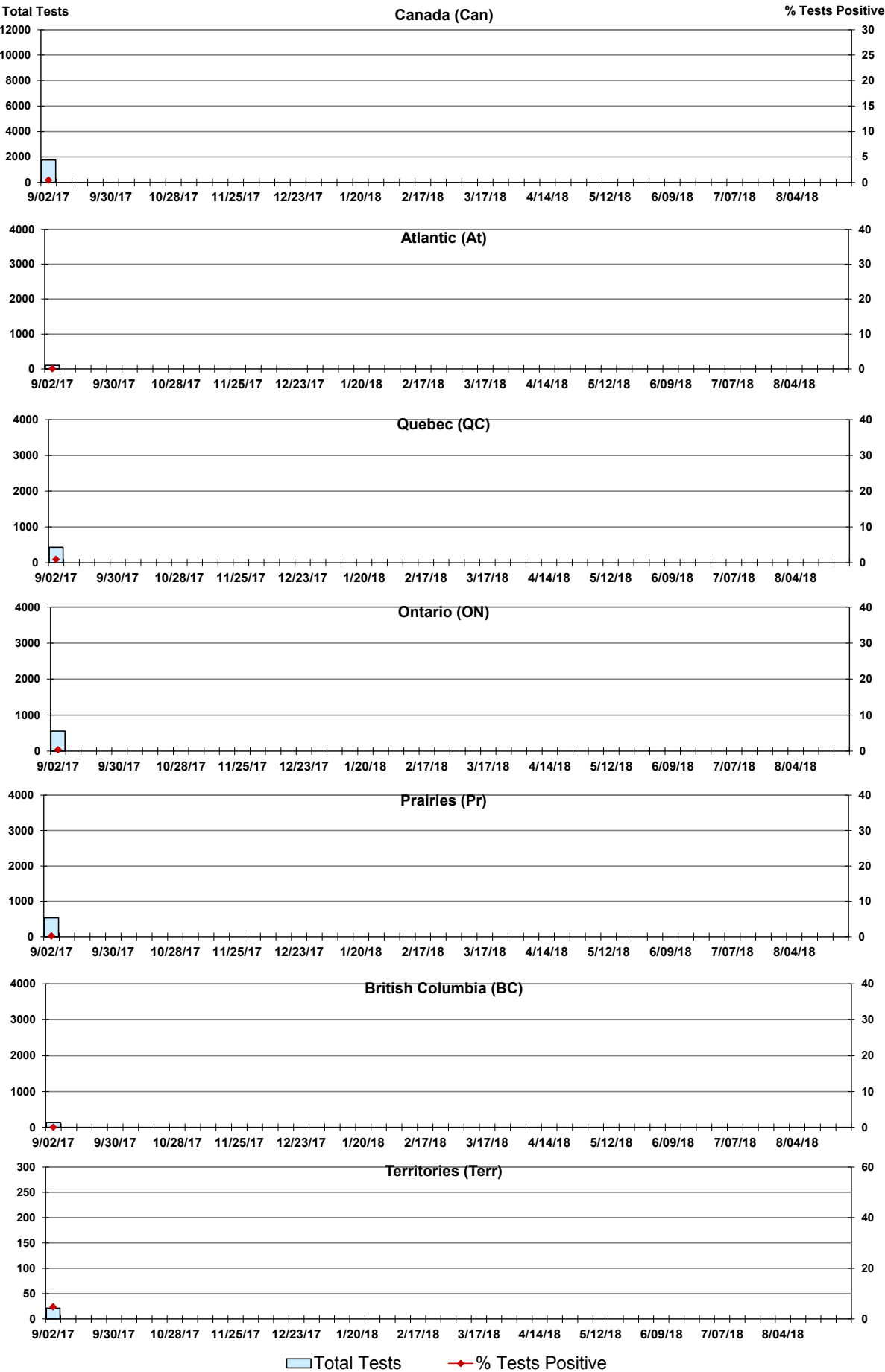


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

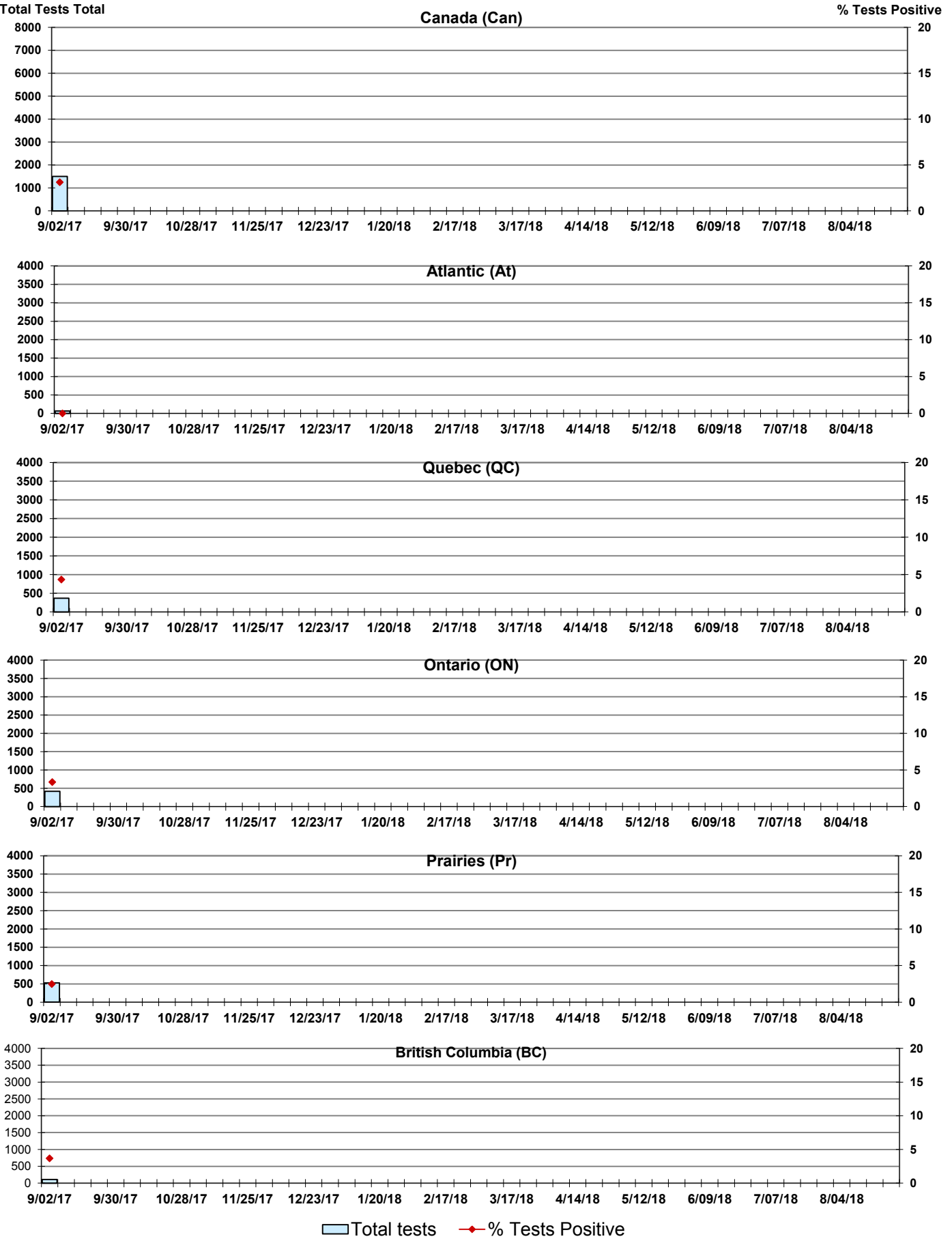


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

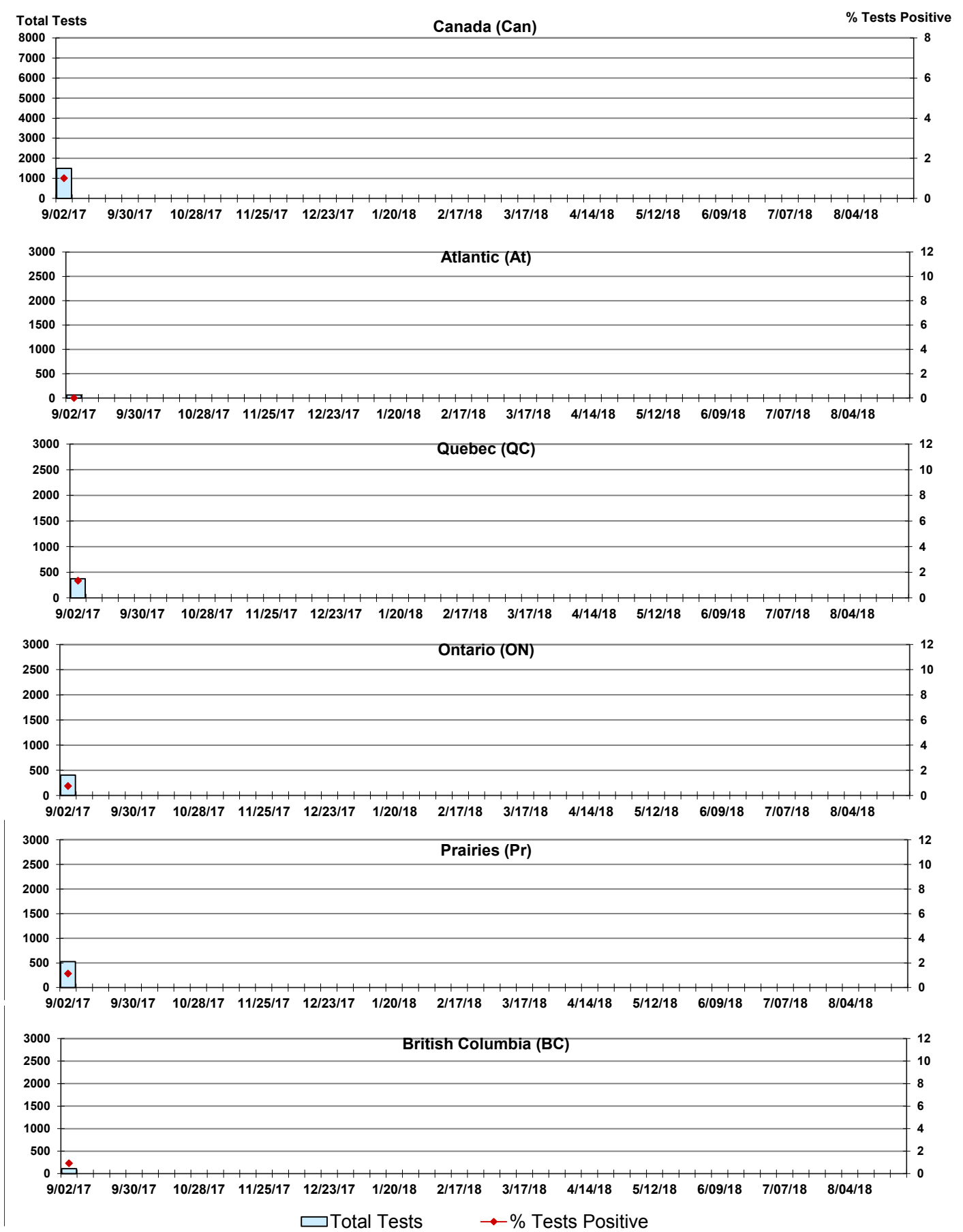


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

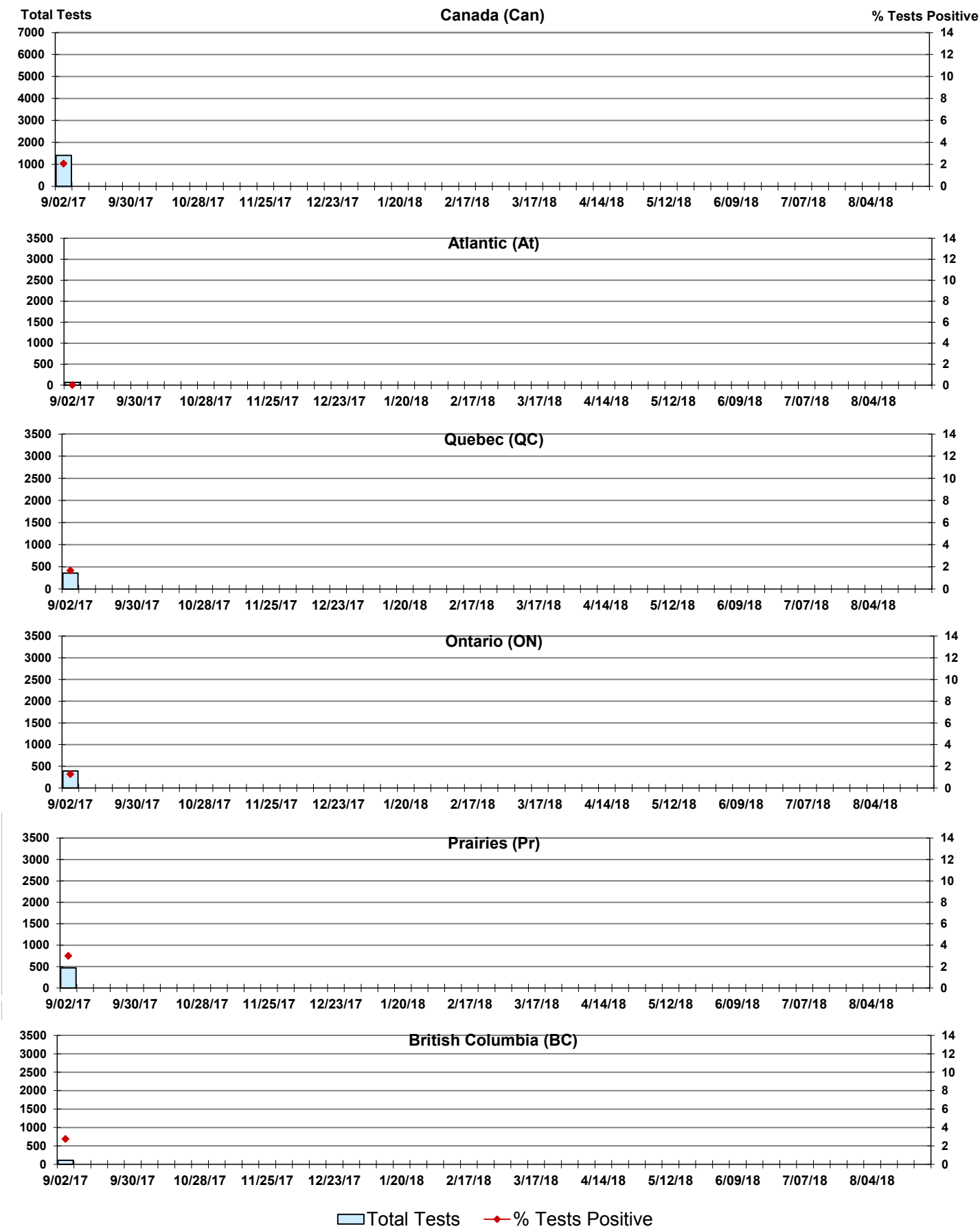


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

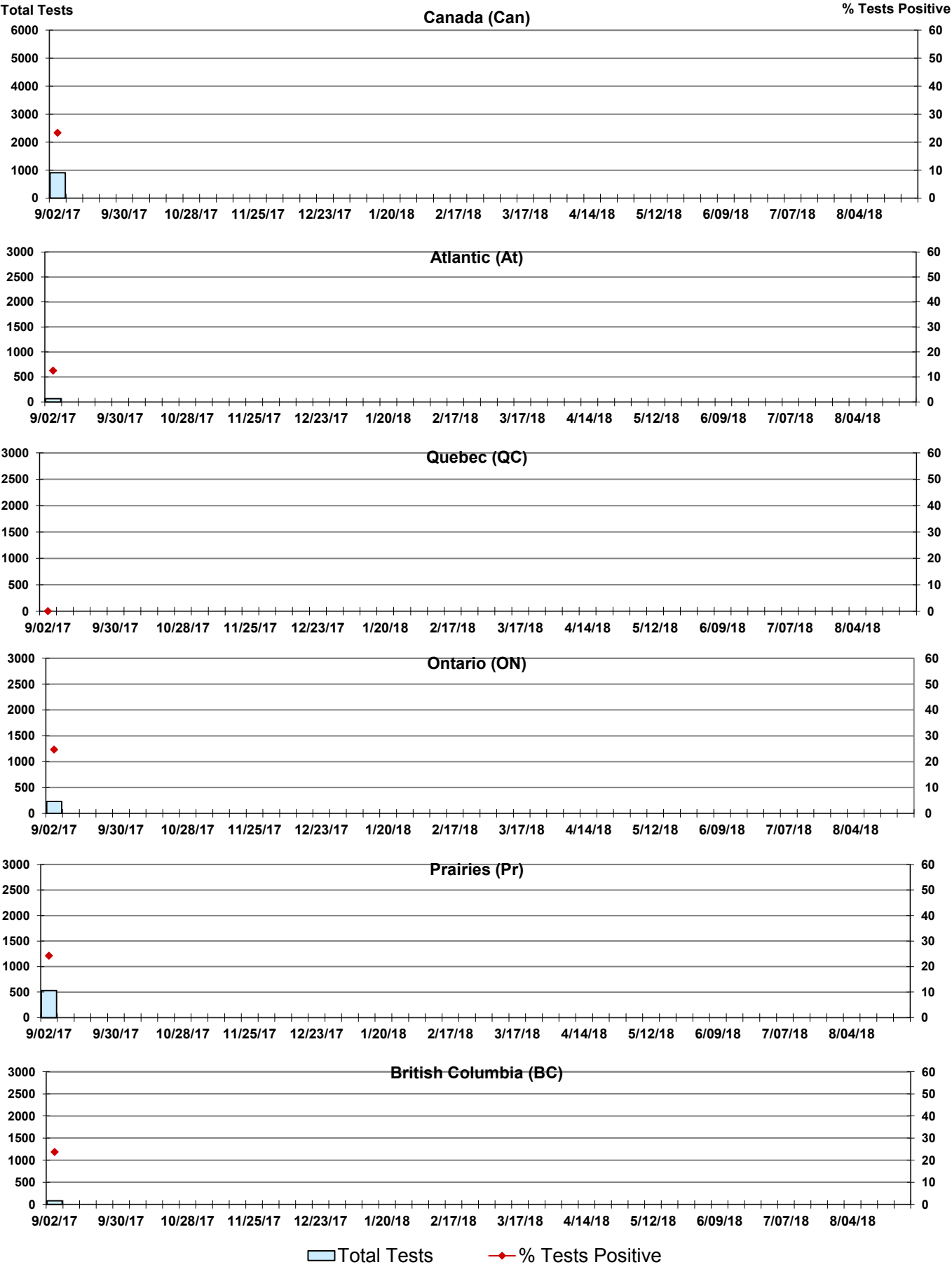


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report

