

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 36 - ending September 9, 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 9, 2017 (Reporting Week 201736)

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	25	0	0	0	0	0	25	0	25	1	0	0	0	0	25	0	25	0	25	3	N.A.	
Prince Edward Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nova Scotia	14	0	0	0	0	0	14	1	9	0	0	0	0	0	9	0	9	0	9	1	9	0
New Brunswick	46	0	0	0	0	0	46	0	14	1	0	1	0	0	14	0	14	0	14	1	14	0
Atlantic	85	0	0	0	0	0	85	1	48	2	0	1	0	0	48	0	48	0	48	5	23	0
Région Nord-Est	20	0	0	0	0	0	23	1	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Québec-Chaudière-Appalaches	36	0	0	0	0	0	54	0	54	0	0	0	0	0	54	1	51	0	N.A.		50	0
Centre-du-Québec	13	0	0	1	1	0	18	2	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Montréal-Laval	322	0	0	0	0	0	326	6	285	5	0	0	0	0	293	5	262	0	N.A.		262	0
Ouest du Québec	7	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Montréal	14	0	0	0	0	0	14	1	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Province of Québec	412	0	0	1	1	0	442	10	339	5	0	0	0	0	347	6	313	0	N.A.		312	0
Ottawa P.H.L.	10	0	0	0	0	0	7	0	7	0	0	0	0	0	7	1	5	0	4	2	2	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.	11	0	0	0	0	0	11	0	11	2	0	0	1	0	11	0	11	0	9	1	9	0
UHN / Mount Sinai Hospital	107	0	0	4	4	0	107	0	7	0	0	0	0	0	0	0	7	0	N.A.		N.A.	
P.H.O.L. - Toronto	133	0	3	0	3	0	132	1	132	1	0	1	0	0	132	2	123	0	59	4	50	1
Sick Kids Hospital - Toronto	31	0	1	0	1	0	31	1	31	0	0	0	0	0	31	0	31	0	31	7	31	0
Sunnybrook & Women's College HSC	33	0	1	0	1	1	33	0	33	0	0	0	0	0	33	0	33	0	33	10	33	0
Sault Ste. Marie P.H.L.	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	2	0	2	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	11	0	0	0	0	0	11	0	11	0	0	0	0	0	11	0	0	0	11	6	11	0
London P.H.L.	31	0	0	0	0	0	27	0	27	1	0	0	3	0	27	0	25	0	17	6	15	0
Orillia P.H.L.	4	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	4	0	4	3	4	0
Thunder Bay 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
Sudbury P.H.L.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hamilton P.H.L.	17	0	0	0	0	0	17	0	17	0	1	1	0	0	17	1	15	0	9	0	7	0
Peterborough P.H.L.	12	0	0	0	0	0	12	0	12	0	0	0	0	0	12	0	12	0	8	2	8	0
Province of Ontario	406	0	5	4	9	1	398	2	298	4	1	2	4	0	291	4	272	0	187	41	172	1
Manitoba	82	0	0	0	0	0	83	2	82	0	0	0	0	0	82	1	32	0	82	11	32	0
Regina	124	0	0	0	0	0	124	0	124	2	0	0	1	0	124	4	124	0	124	39	124	0
Saskatoon	46	0	0	0	0	0	46	0	46	0	0	1	0	0	46	0	46	0	46	21	46	0
Province of Saskatchewan	170	0	0	0	0	0	170	0	170	2	0	1	1	0	170	4	170	0	170	60	170	0
Province of Alberta	315	1	10	0	11	1	293	0	293	3	1	0	6	0	293	9	293	4	293	77	293	1
Prairies	567	1	10	0	11	1	546	2	545	5	1	1	7	0	545	14	495	4	545	148	495	1
British Columbia	120	0	11	1	12	0	120	0	96	2	0	1	3	0	96	0	96	2	75	16	75	0
Yukon	2	0	2	0	2	0	2	0	N.A.						N.A.		N.A.		N.A.		N.A.	
Northwest Territories	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	1	1	0
Nunavut	2	0	0	0	0	0	2	1	2	0	0	0	0	0	2	0	2	0	0	0	0	0
Territories	5	0	2	0	2	0	5	1	3	0	0	0	0	0	3	0	3	0	1	1	1	0
CANADA	1595	1	28	6	35	2	1596	16	1329	18	2	5	14	0	1330	24	1227	6	856	211	1078	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.

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 9, 2017 (Reporting Weeks / Code hebdomadaire 201735-201736)

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	51	0	0	0	0	0	51	0	51	1	0	0	0	0	51	0	51	0	51	8	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	33	0	0	0	0	0	33	1	24	0	0	0	0	0	24	0	24	0	24	2	24	0
New Brunswick	98	0	0	1	1	0	98	0	36	1	0	1	0	0	36	0	36	0	36	3	36	0
Atlantic	183	0	0	1	1	0	183	1	112	2	0	1	0	0	112	0	112	0	112	13	61	0
Région Nord-Est	40	0	0	0	0	0	42	1	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Québec-Chaudière-Appalaches	81	0	0	0	0	0	123	0	123	0	1	0	1	0	123	1	113	0	N.A.		112	0
Centre-du-Québec	19	0	0	1	1	0	26	2	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Montréal-Laval	661	0	0	0	0	0	653	9	585	14	0	3	2	0	600	10	559	6	N.A.		529	0
Ouest du Québec	12	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Montréal	30	0	0	0	0	0	30	2	0	0	0	0	0	0	0	0	0	0	N.A.		0	0
Province of Québec	843	0	0	1	1	0	882	14	708	14	1	3	3	0	723	11	672	6	N.A.		641	0
Ottawa P.H.L.	13	0	0	0	0	0	10	0	10	0	0	0	0	0	10	1	8	0	5	2	2	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.	24	0	0	0	0	0	20	0	20	2	0	0	1	0	20	0	20	0	14	3	14	0
UHN / Mount Sinai Hospital	222	0	0	4	4	0	222	0	24	1	0	0	0	0	0	0	24	2	N.A.		N.A.	
P.H.O.L. - Toronto	331	0	6	0	6	0	321	2	321	2	0	2	1	0	321	4	306	1	139	18	123	3
Sick Kids Hospital - Toronto	82	0	1	0	1	0	82	1	82	2	0	0	0	0	82	0	82	2	82	22	82	0
Sunnybrook & Women's College HSC	56	0	1	0	1	1	56	0	56	1	0	2	1	0	56	0	56	0	56	13	56	0
Sault Ste. Marie P.H.L.	11	0	0	0	0	0	9	0	9	0	0	0	1	0	9	0	9	0	8	3	8	0
Timmins P.H.L.	6	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	6	0	0	0	0	0
St. Joseph's - London	24	0	0	0	0	0	24	0	24	0	0	0	0	0	24	0	0	0	24	7	24	0
London P.H.L.	56	0	0	0	0	0	48	0	48	1	0	0	3	0	48	0	43	0	33	10	28	0
Orillia P.H.L.	13	0	0	0	0	0	10	0	10	0	0	1	0	0	10	1	10	0	9	3	8	0
Thunder Bay P.H.L.	4	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	4	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.	51	0	0	0	0	0	44	0	44	0	1	1	0	0	44	1	39	0	32	7	26	2
Peterborough P.H.L.	34	0	0	0	0	0	33	0	33	0	0	1	0	0	33	0	33	0	18	8	18	0
Province of Ontario	999	0	8	4	12	1	961	4	725	10	1	7	7	0	701	7	674	5	449	103	418	6
Manitoba	173	0	0	0	0	0	173	3	172	0	0	0	0	0	172	1	62	3	172	22	62	0
Regina	224	0	0	0	0	0	224	0	224	4	1	0	2	0	224	5	224	0	224	74	224	0
Saskatoon	94	0	0	0	0	0	94	0	94	0	0	1	0	0	94	2	94	0	94	33	94	1
Province of Saskatchewan	318	0	0	0	0	0	318	0	318	4	1	1	2	0	318	7	318	0	318	107	318	1
Province of Alberta	627	6	18	0	24	4	590	0	590	7	2	2	9	0	590	12	590	15	590	151	590	2
Prairies	1118	6	18	0	24	4	1081	3	1080	11	3	3	11	0	1080	20	970	18	1080	280	970	3
British Columbia	243	1	20	4	25	1	243	0	205	4	1	2	3	0	205	1	205	5	155	35	155	1
Yukon	8	0	2	1	3	0	8	1	N.A.					N.A.		N.A.		N.A.		N.A.		
Northwest Territories	8	0	0	0	0	0	8	0	8	0	0	0	0	0	8	0	8	1	8	2	8	0
Nunavut	9	0	0	0	0	1	9	1	9	0	0	0	0	0	9	0	9	0	2	0	2	1
Territories	25	0	2	1	3	1	25	2	17	0	0	0	0	0	17	0	17	1	10	2	10	1
CANADA	3411	7	48	11	66	7	3375	24	2847	41	6	16	24	0	2838	39	2650	35	1806	433	2255	11

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

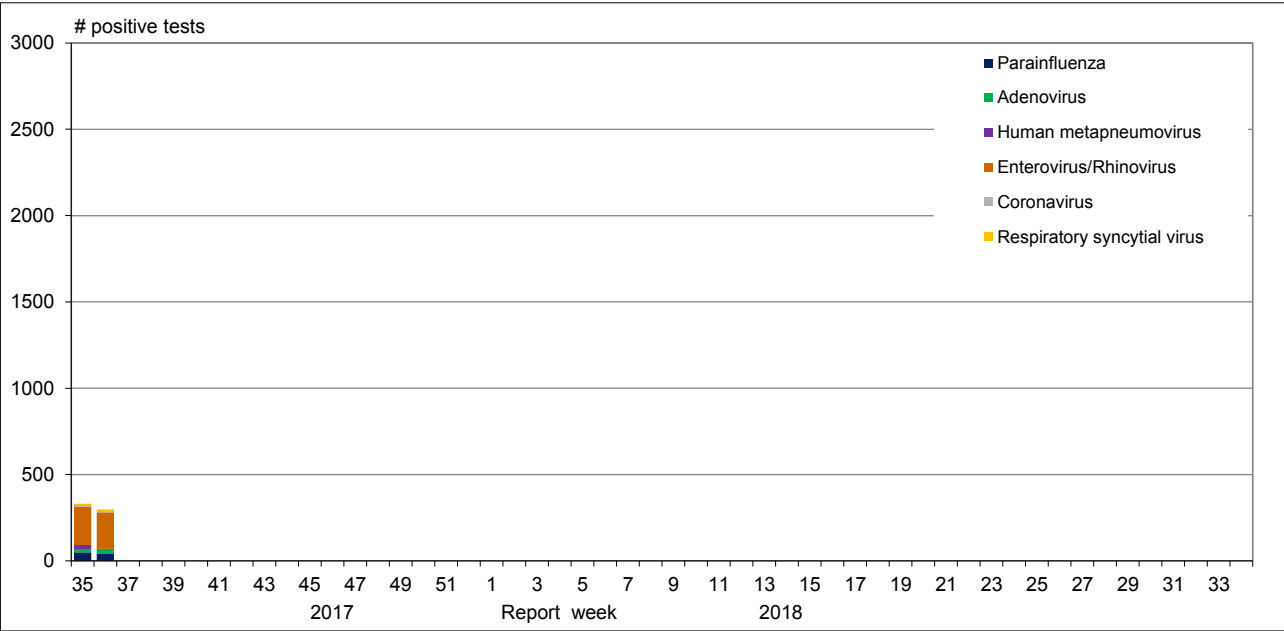


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

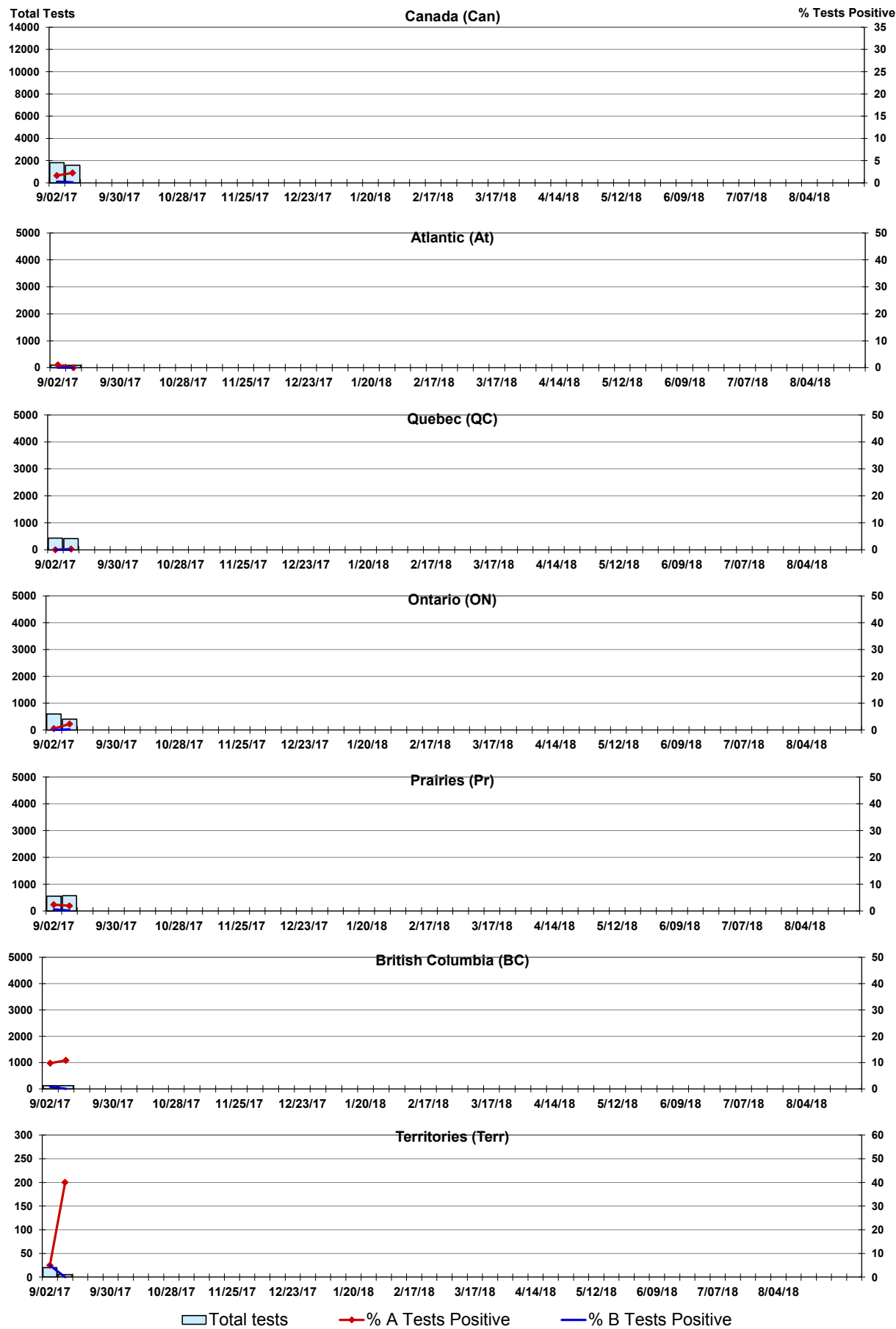


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

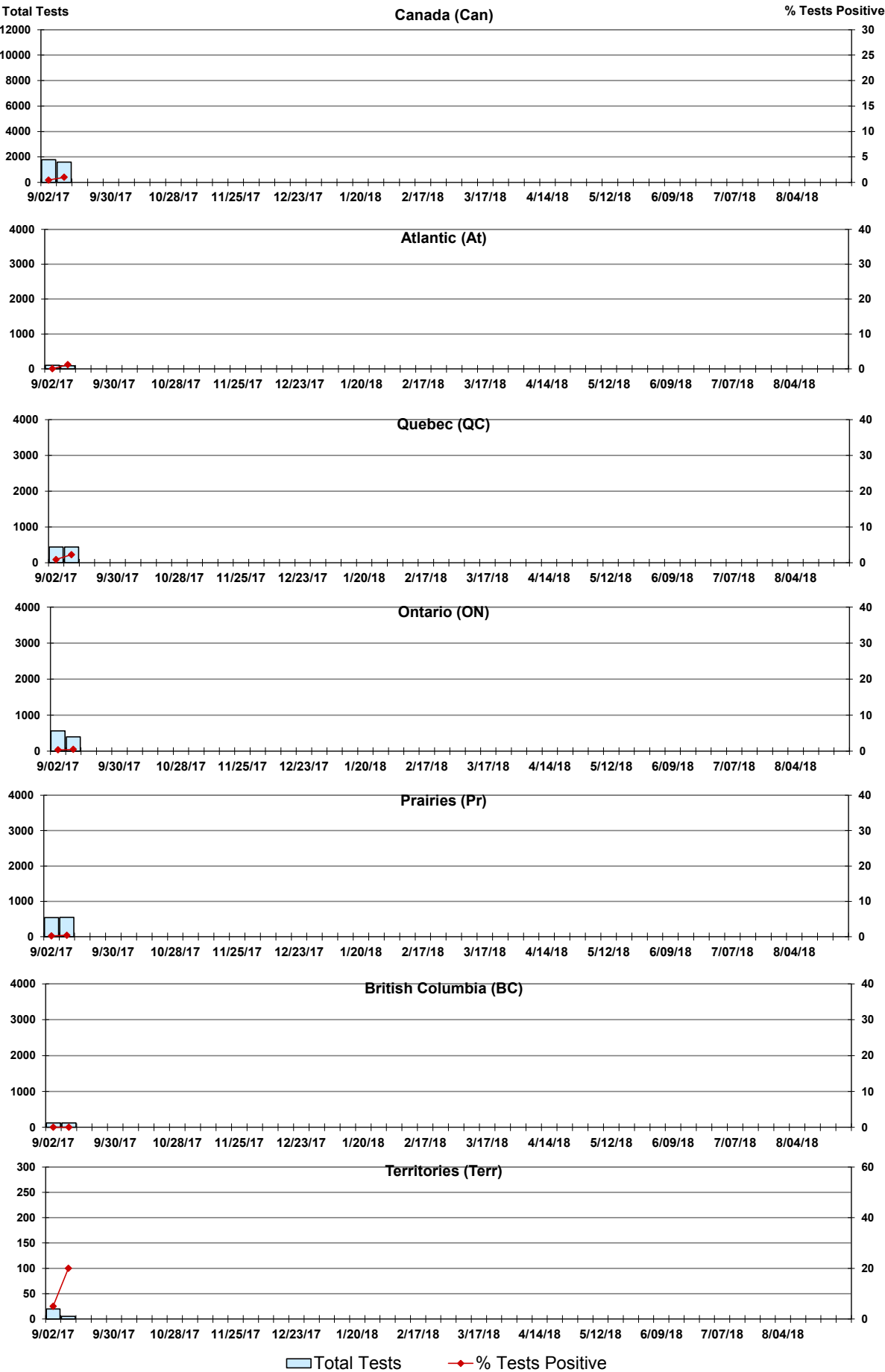


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

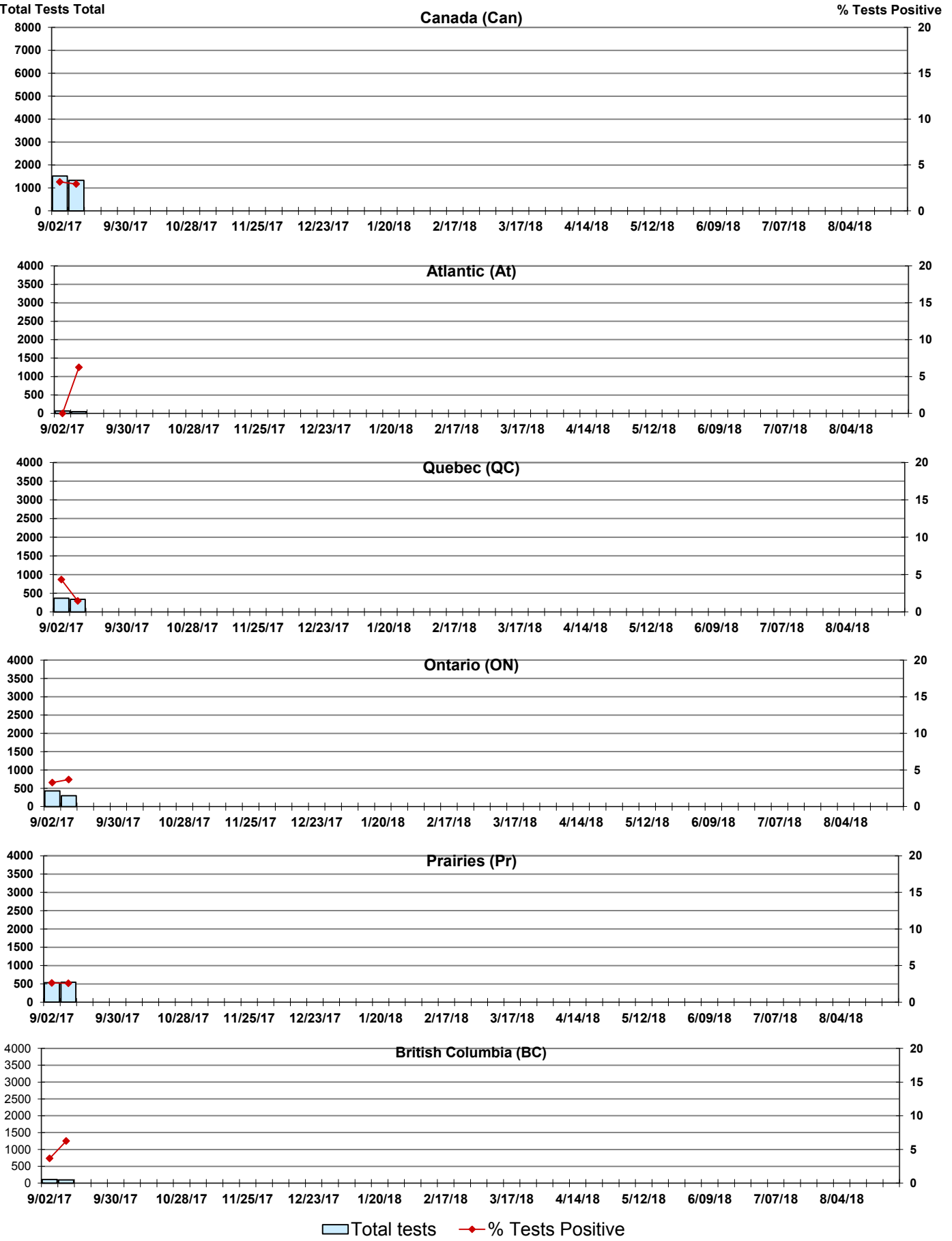


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

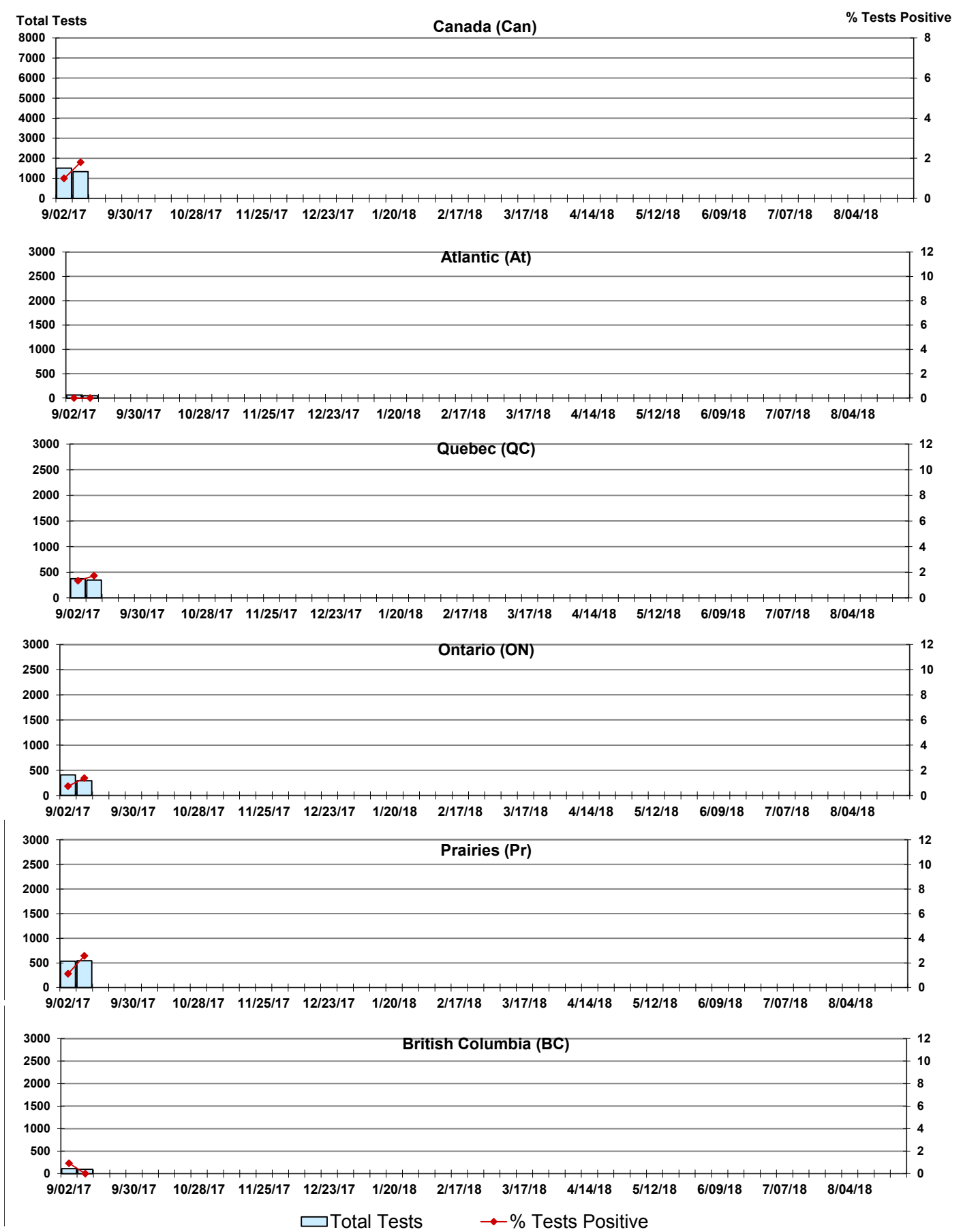


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

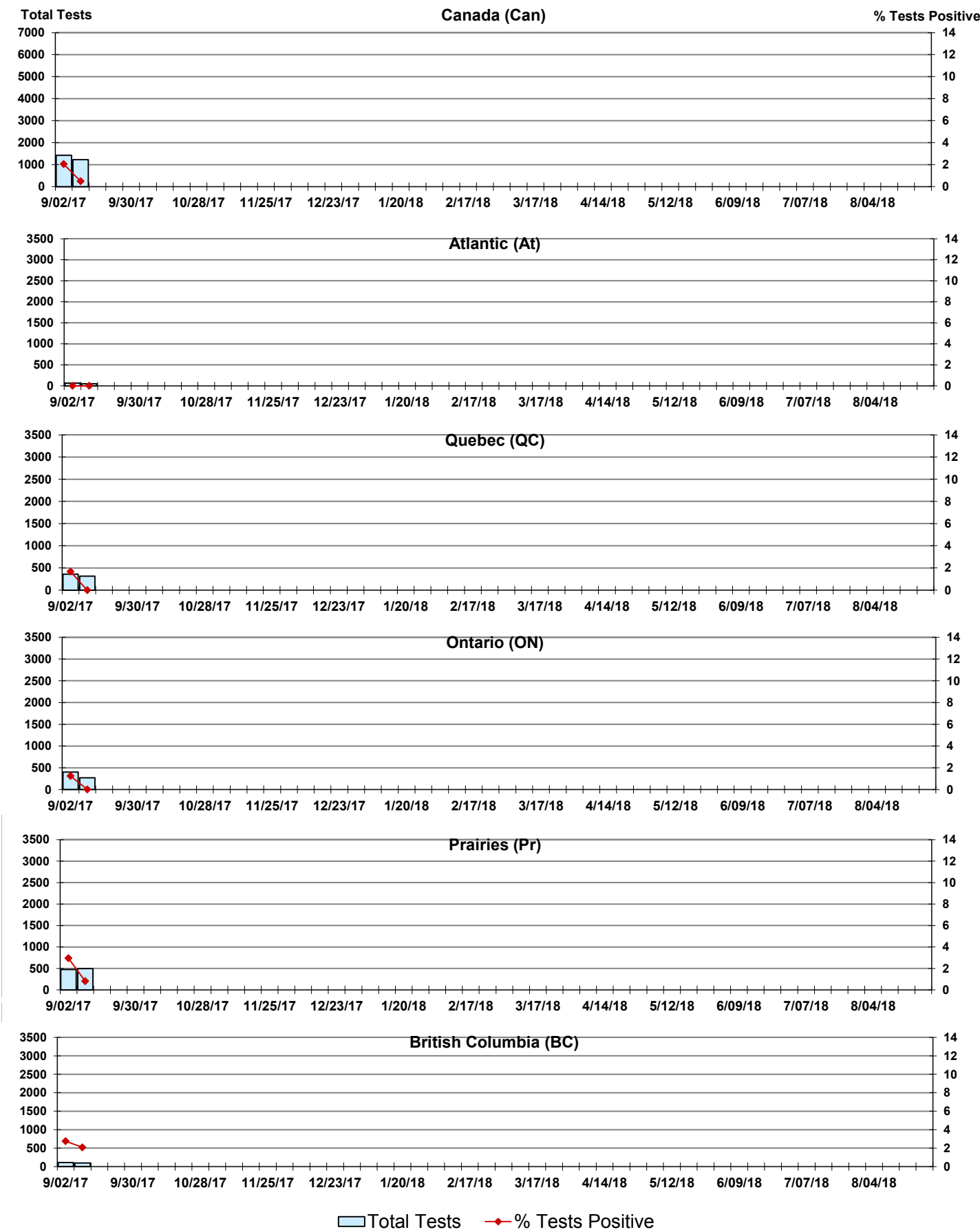


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

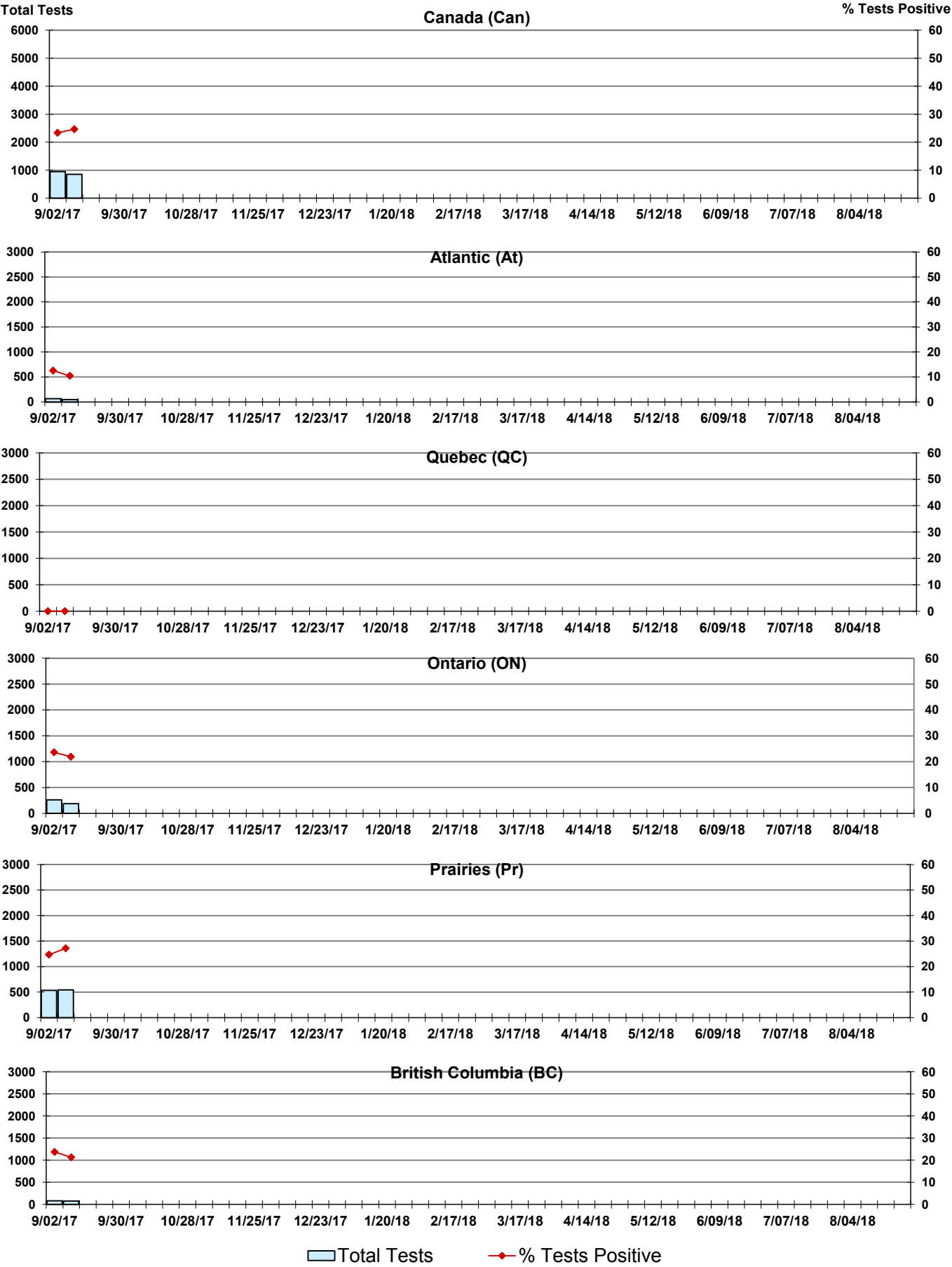


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report

