

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 40 - ending October 7, 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 October 7, 2017 (Reporting Week 201740)

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	47	0	0	1	1	0	47	0	47	1	0	1	0	0	47	0	47	0	47	9	N.A.	N.A.
Prince Edward Island	3	0	0	0	0	0	3	0	2	0	0	0	0	0	2	0	2	0	2	0	2	0
Nova Scotia	15	0	0	0	0	0	15	0	10	0	0	0	0	0	10	1	10	0	10	6	10	0
New Brunswick	55	0	0	0	0	2	39	0	39	1	0	0	0	0	39	0	39	0	39	4	39	0
Atlantic	120	0	0	1	1	2	104	0	98	2	0	1	0	0	98	1	98	0	98	19	51	0
Région Nord-Est	38	0	0	0	0	1	33	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	74	0	0	0	0	0	84	2	77	1	0	0	0	0	79	0	73	0	N.A.	N.A.	73	0
Centre-du-Québec	27	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	476	0	0	13	13	1	476	6	388	11	1	7	0	0	399	29	378	1	N.A.	N.A.	331	0
Ouest du Québec	44	0	0	2	2	0	22	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	48	0	0	0	0	0	48	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	707	0	0	15	15	2	690	8	465	12	1	7	0	0	478	29	451	1	N.A.	N.A.	404	0
Ottawa P.H.L.	17	0	0	0	0	0	13	0	13	0	0	0	0	0	13	0	12	0	1	0	0	0
CHEO - Ottawa	127	0	0	2	2	0	127	0	25	0	0	0	0	0	25	1	25	0	25	6	25	0
Kingston P.H.L.	15	0	0	0	0	0	13	0	13	0	0	0	0	0	13	0	10	0	3	0	0	0
UHN / Mount Sinai Hospital	172	0	0	1	1	0	172	3	16	0	0	0	0	0	0	0	16	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	258	0	2	2	4	0	236	1	236	3	1	0	0	0	236	3	225	0	11	0	0	0
Sick Kids Hospital - Toronto	63	0	0	0	0	0	63	2	63	1	0	1	2	0	63	0	63	0	63	22	63	1
Sunnybrook & Women's College HSC	29	0	0	0	0	0	29	0	29	1	0	0	0	0	29	0	29	1	29	4	29	0
Sault Ste. Marie P.H.L.	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	0	0	0	0
Timmins P.H.L.	8	0	0	0	0	0	5	0	5	0	0	0	0	0	5	0	5	0	0	0	0	0
St. Joseph's - London	17	0	0	1	1	0	17	0	17	0	0	0	1	0	17	0	17	0	17	4	17	0
London P.H.L.	53	0	0	0	0	0	53	0	53	0	0	0	0	0	53	0	48	0	5	0	0	0
Orillia P.H.L.	10	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	10	0	0	0	0	0
Thunder Bay 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
Sudbury 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
Hamilton P.H.L.	57	0	0	0	0	0	57	0	57	0	0	0	0	0	57	1	55	0	2	0	0	0
Peterborough P.H.L.	21	0	0	0	0	0	21	1	21	0	0	0	0	0	21	1	21	0	0	0	0	0
Province of Ontario	888	0	2	6	8	0	857	7	599	5	1	1	3	0	583	6	576	1	157	36	134	1
Manitoba	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Regina	249	0	6	0	6	0	249	1	249	6	1	0	2	0	249	3	249	0	249	126	249	0
Saskatoon	86	0	0	0	0	0	86	1	86	0	0	0	0	0	86	2	86	0	86	39	86	1
Province of Saskatchewan	335	0	6	0	6	0	335	2	335	6	1	0	2	0	335	5	335	0	335	165	335	1
Province of Alberta	505	0	17	2	19	0	452	0	452	8	5	1	4	0	452	4	452	12	452	171	452	1
Prairies	840	0	23	2	25	0	787	2	787	14	6	1	6	0	787	9	787	12	787	336	787	2
British Columbia	357	1	13	7	21	1	357	0	282	1	1	1	5	0	282	5	282	6	236	147	236	7
Yukon	3	0	1	0	1	0	3	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	4	5	0
Nunavut	15	0	0	0	0	0	15	0	15	0	0	1	0	0	15	1	15	0	3	2	3	0
Territories	23	0	1	0	1	0	23	0	20	0	0	1	0	0	20	1	20	0	8	6	8	0
CANADA	2935	1	39	31	71	5	2818	17	2251	34	9	12	14	0	2248	51	2214	20	1286	544	1620	10

Table 2: Respiratory Virus Detections/Isolations for the period August 27, 2017 - October 7, 2017 (Reporting Weeks / Code hebdomadaire 201735-201740)

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	194	0	3	1	4	0	194	0	194	3	1	3	0	0	194	1	194	0	194	34	N.A.	N.A.
Prince Edward Island	14	0	0	0	0	0	15	0	10	0	0	0	1	0	10	1	10	0	10	1	10	0
Nova Scotia	83	0	0	0	0	0	83	4	47	0	0	0	0	0	47	1	47	0	47	13	47	0
New Brunswick	319	0	0	1	1	2	304	0	169	4	0	1	0	0	169	2	169	1	169	31	169	1
Atlantic	610	0	3	2	5	2	596	4	420	7	1	4	1	0	420	5	420	1	420	79	226	1
Région Nord-Est	161	0	0	0	0	1	146	2	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	311	0	0	0	0	0	443	4	428	3	1	0	2	0	437	6	390	0	N.A.	N.A.	389	0
Centre-du-Québec	99	0	0	4	4	0	109	5	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	2338	0	0	20	20	2	2341	31	2023	39	2	16	9	0	2073	80	1941	11	N.A.	N.A.	1810	2
Ouest du Québec	120	0	0	3	3	0	64	2	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	134	0	0	0	0	0	134	2	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	3163	0	0	27	27	3	3237	46	2451	42	3	16	11	0	2510	86	2331	11	N.A.	N.A.	2199	2
Ottawa P.H.L.	66	0	0	0	0	0	61	0	61	0	0	0	0	0	61	1	58	0	14	6	10	1
CHEO - Ottawa	538	0	0	6	6	1	537	2	126	3	0	0	2	0	152	2	208	0	152	39	152	1
Kingston P.H.L.	69	0	0	0	0	0	62	0	62	3	0	0	1	0	62	1	56	0	30	7	22	0
UHN / Mount Sinai Hospital	818	0	0	9	9	0	818	3	94	2	0	0	0	0	0	0	72	2	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	1283	9	21	5	35	2	1234	5	1234	19	1	2	1	0	1234	17	1179	3	300	48	234	5
Sick Kids Hospital - Toronto	275	0	1	1	2	0	275	4	275	5	0	2	5	0	275	3	275	4	275	111	275	2
Sunnybrook & Women's College HSC	215	0	2	0	2	1	215	1	215	3	3	2	2	0	215	0	215	1	215	38	215	1
Sault Ste. Marie P.H.L.	31	0	0	0	0	0	29	0	29	0	0	0	1	0	29	0	29	0	12	3	12	0
Timmins P.H.L.	25	0	0	0	0	0	22	0	22	0	0	0	0	0	22	0	22	0	2	1	2	0
St. Joseph's - London	88	0	0	1	1	0	88	2	88	1	0	0	1	0	88	1	75	0	88	38	88	0
London P.H.L.	217	1	1	0	2	0	208	0	208	1	0	0	3	0	208	1	192	1	81	21	63	0
Orillia P.H.L.	47	0	0	1	1	0	44	0	44	0	0	1	0	0	44	1	44	0	12	4	11	0
Thunder Bay P.H.L.	35	0	0	0	0	0	35	0	35	0	0	0	0	0	35	0	35	0	3	0	3	0
Sudbury P.H.L.	76	0	0	0	0	0	76	0	76	0	0	0	0	0	76	0	74	0	15	1	13	0
Hamilton P.H.L.	245	3	0	0	3	0	231	1	231	0	1	1	3	0	231	4	218	0	79	21	64	2
Peterborough P.H.L.	123	0	2	0	2	0	122	4	122	0	0	1	0	0	122	1	120	3	46	12	44	2
Province of Ontario	4151	13	27	23	63	4	4057	22	2922	37	5	9	19	0	2854	32	2872	14	1324	350	1208	14
Manitoba	524	0	0	0	0	0	522	3	454	1	2	0	1	0	454	5	183	3	454	79	183	0
Regina	1071	0	14	0	14	1	1071	4	1071	20	4	0	4	0	1071	21	1071	4	1071	486	1071	3
Saskatoon	398	0	0	2	2	0	398	2	398	3	0	4	0	0	398	13	398	1	398	164	398	2
Province of Saskatchewan	1469	0	14	2	16	1	1469	6	1469	23	4	4	4	0	1469	34	1469	5	1469	650	1469	5
Province of Alberta	2568	8	59	13	80	11	2328	0	2328	33	20	11	31	0	2328	40	2328	58	2328	830	2328	9
Prairies	4561	8	73	15	96	12	4319	9	4251	57	26	15	36	0	4251	79	3980	66	4251	1559	3980	14
British Columbia	1196	4	79	21	104	8	1196	1	950	7	3	5	21	0	950	11	950	20	746	304	746	11
Yukon	15	0	3	1	4	0	15	1	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	26	0	0	0	0	0	26	0	26	0	0	0	1	0	26	0	26	2	26	11	26	0
Nunavut	50	0	0	0	0	1	50	1	50	0	0	2	0	0	50	4	50	0	13	8	12	1
Territories	91	0	3	1	4	1	91	2	76	0	0	2	1	0	76	4	76	2	39	19	38	1
CANADA	13772	25	185	89	299	30	13496	84	11070	150	38	51	89	0	11061	217	10629	114	6780	2311	8397	43

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

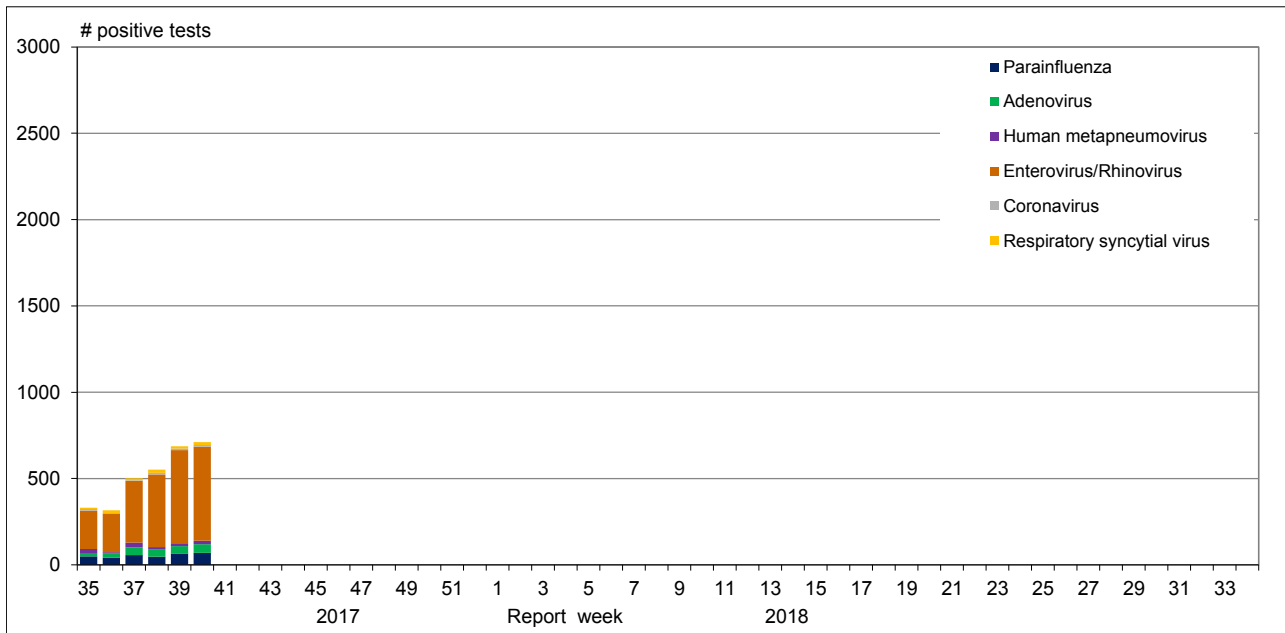


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

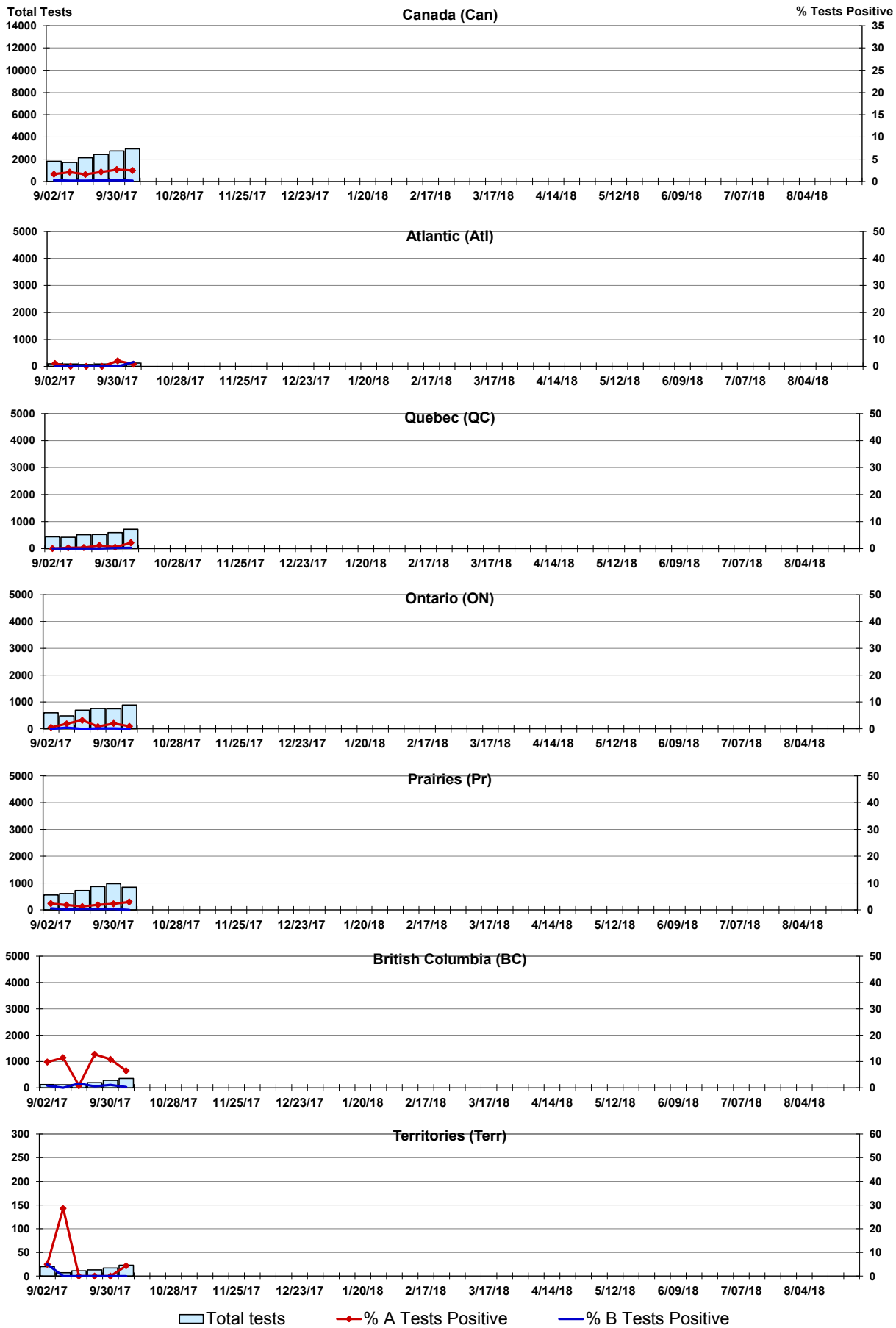


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

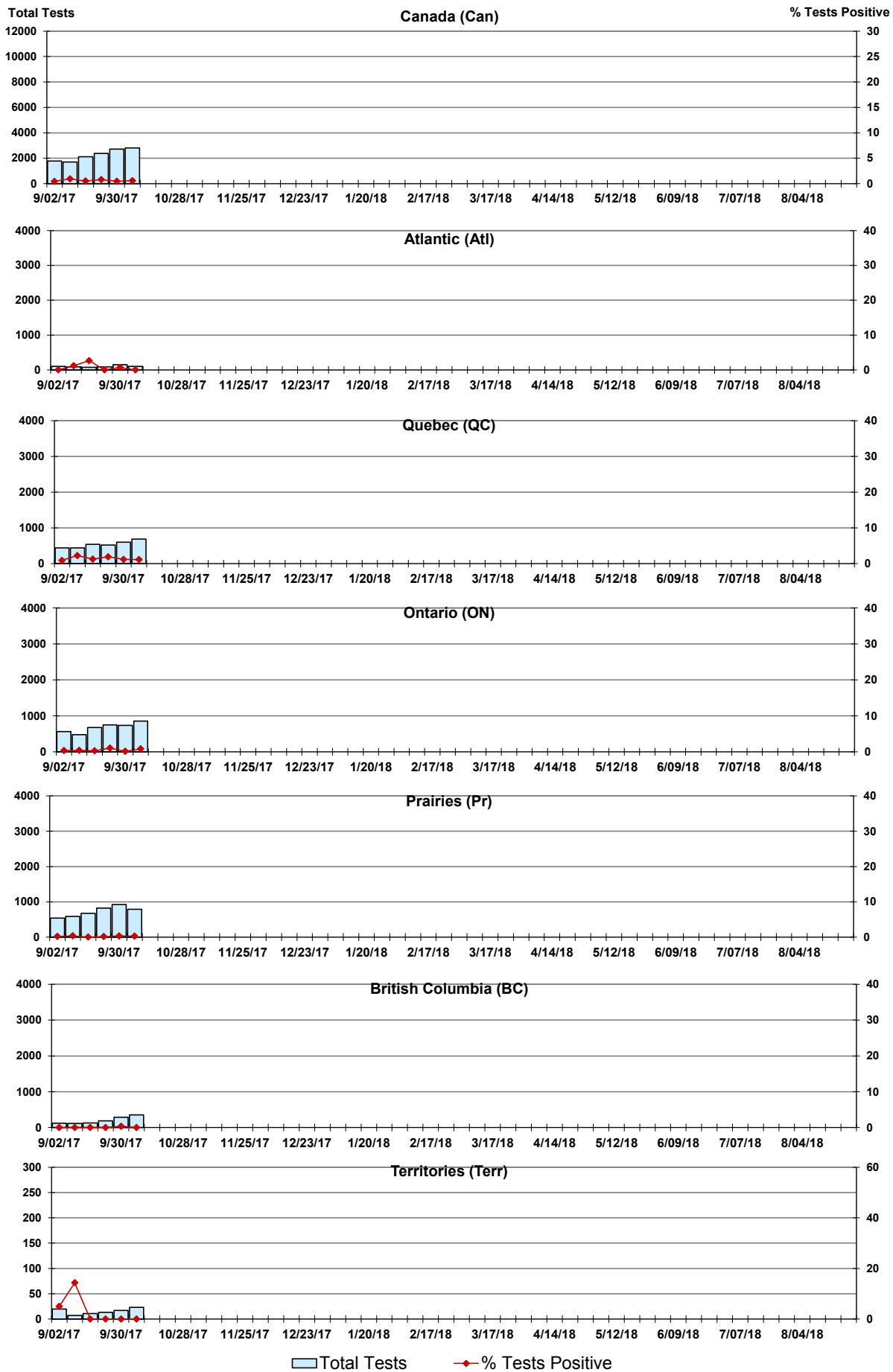


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

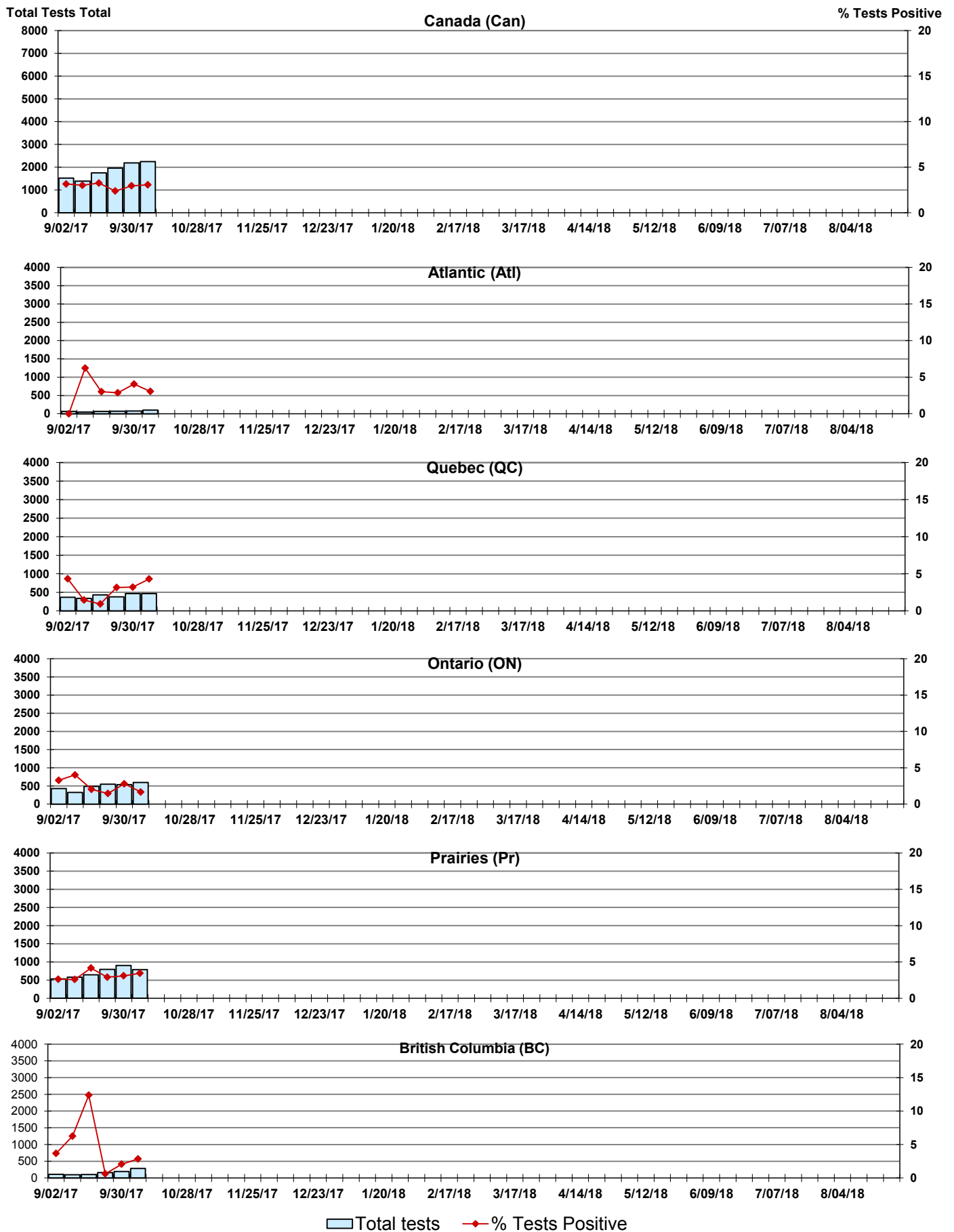


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

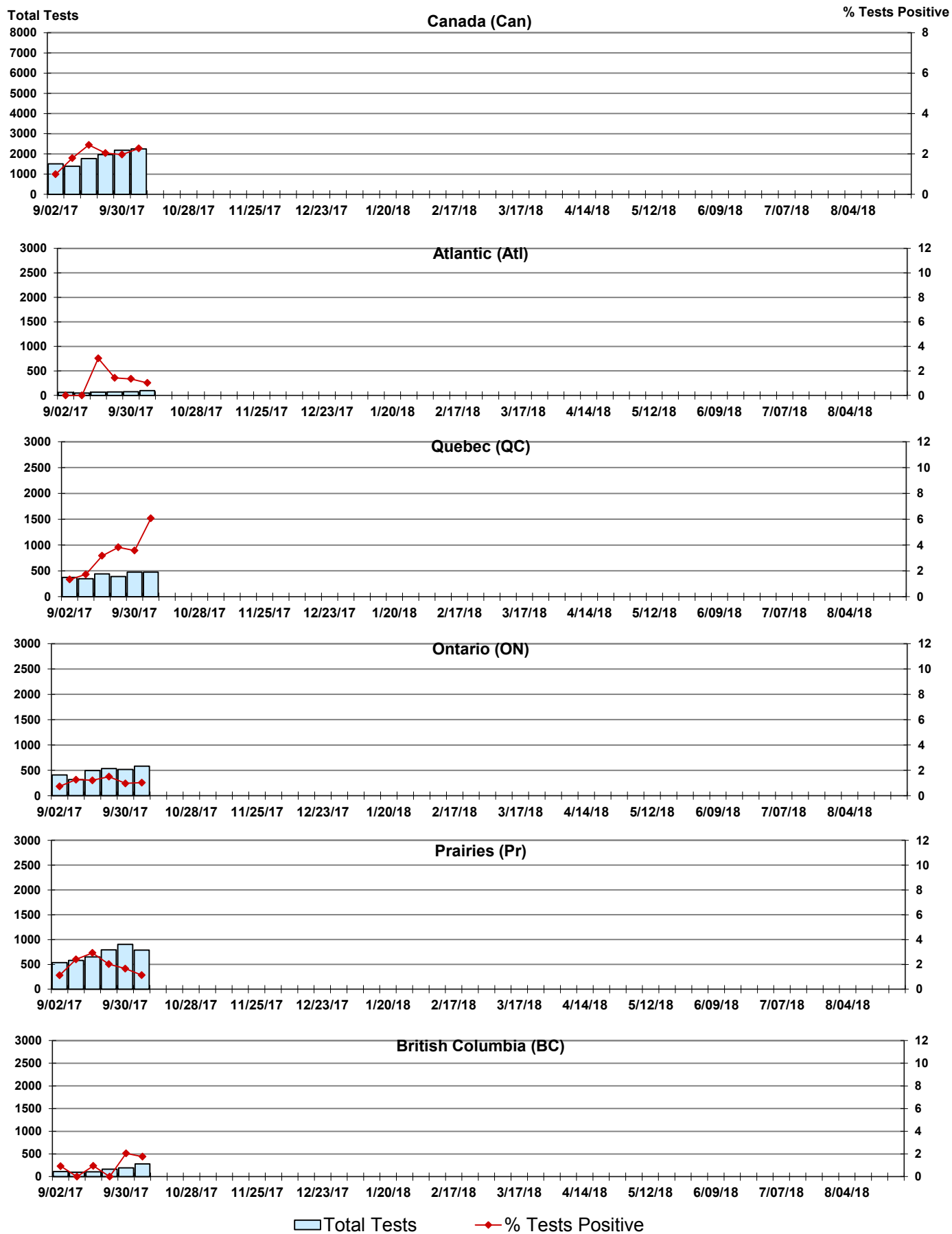


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

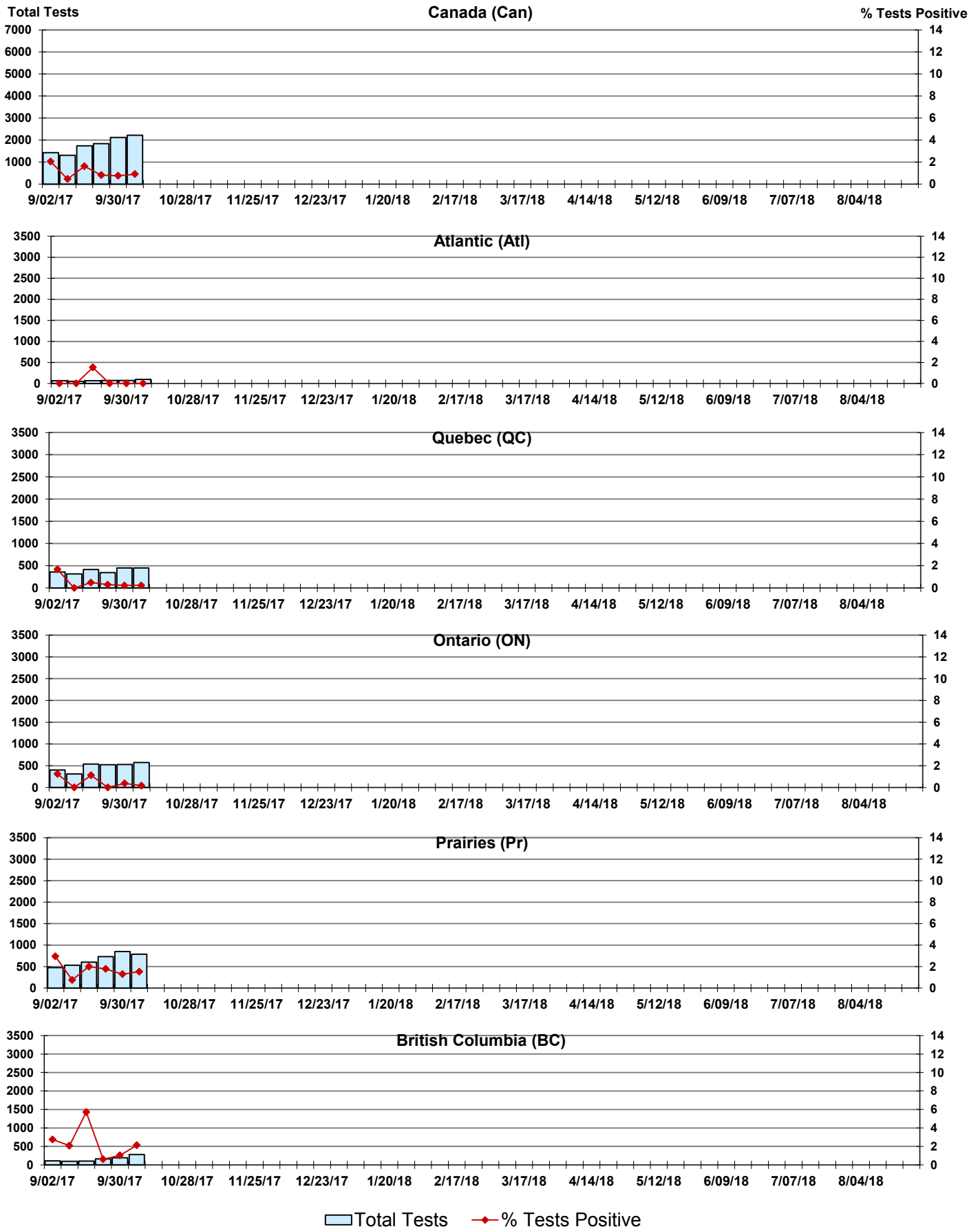


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

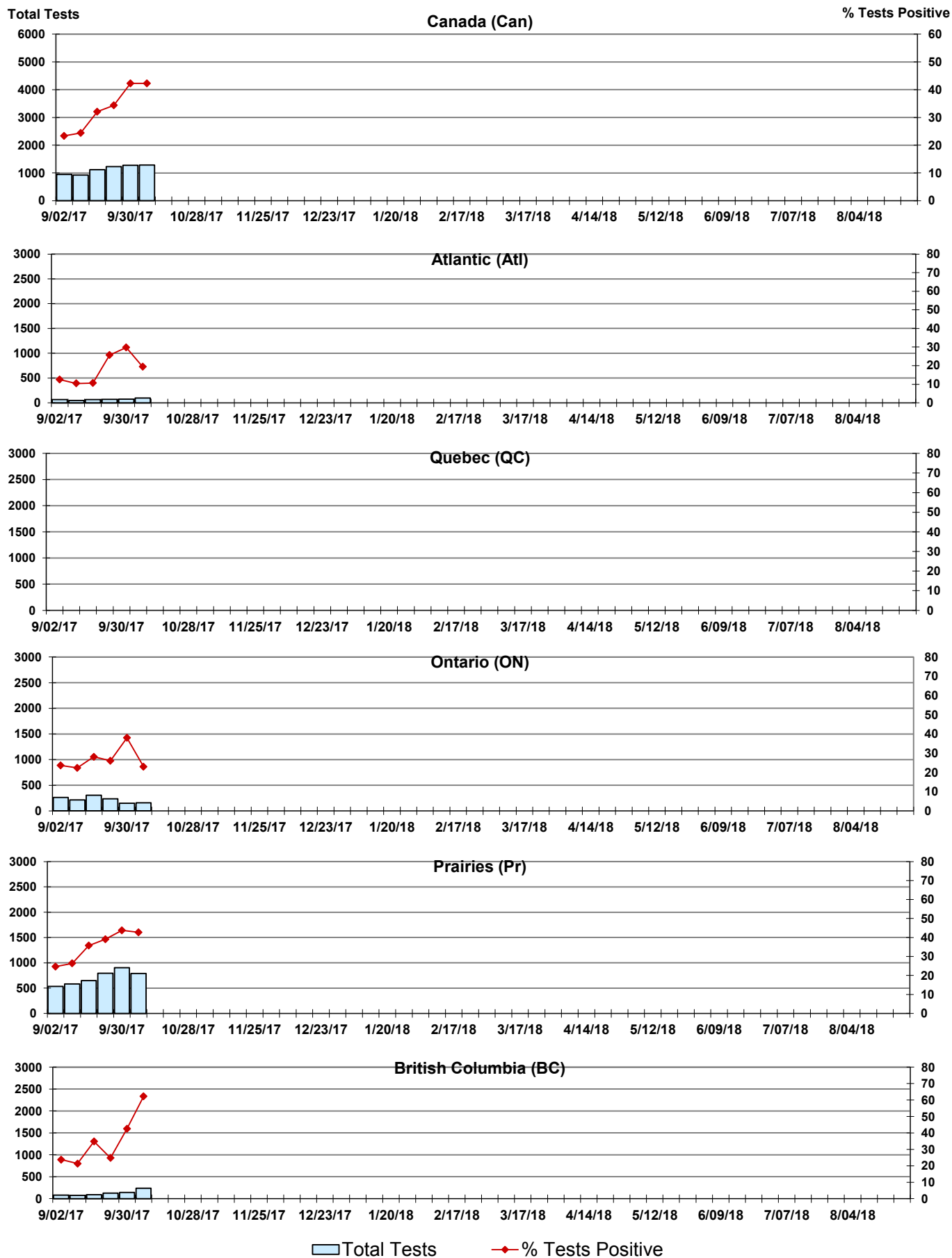


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report

