

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 41 - ending October 14, 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 14, 2017 (Reporting Week 201741)

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	50	0	0	0	0	0	50	0	50	2	1	0	0	0	50	0	50	0	50	6	N.A.	N.A.
Prince Edward Island	6	0	0	0	0	0	6	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
Nova Scotia	17	0	1	1	2	0	17	0	7	0	0	0	0	0	7	0	7	0	7	1	7	0
New Brunswick	70	0	0	2	2	0	36	1	36	0	0	0	2	0	36	0	36	0	36	7	36	0
Atlantic	143	0	1	3	4	0	109	1	96	2	1	0	2	0	96	0	96	0	96	14	46	0
Région Nord-Est	41	0	0	1	1	0	38	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	76	0	0	0	0	0	89	1	81	0	0	0	0	0	85	2	74	0	N.A.	N.A.	73	0
Centre-du-Québec	44	0	0	5	5	0	44	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	509	0	0	5	5	2	496	8	392	9	2	3	2	0	404	13	386	0	N.A.	N.A.	351	3
Ouest du Québec	42	0	0	3	3	0	23	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	49	0	0	1	1	1	49	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	761	0	0	15	15	3	739	11	473	9	2	3	2	0	489	15	460	0	N.A.	N.A.	424	3
Ottawa P.H.L.	17	0	1	0	1	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0
CHEO - Ottawa	57	0	0	0	0	0	57	0	10	1	0	0	0	0	10	0	10	0	10	3	10	0
Kingston P.H.L.	20	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	138	0	0	2	2	0	138	0	22	0	0	0	0	0	0	0	22	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	270	0	4	0	4	2	142	3	142	1	0	0	0	0	142	0	134	0	8	0	0	0
Sick Kids Hospital - Toronto	60	0	0	0	0	0	60	3	60	1	0	1	2	0	60	1	60	0	60	23	60	0
Sunnybrook & Women's College HSC	46	0	1	0	1	0	46	0	46	1	0	0	0	0	46	0	46	0	46	7	46	0
Sault Ste. Marie P.H.L.	9	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0
Timmins P.H.L.	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
St. Joseph's - London	28	0	0	0	0	1	28	1	28	1	0	0	1	0	28	0	28	0	28	8	28	0
London P.H.L.	29	0	0	0	0	0	25	1	25	0	0	0	0	0	25	0	24	0	1	0	0	0
Orillia P.H.L.	7	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	4	0	0	0	0	0
Thunder Bay P.H.L.	12	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0
Sudbury P.H.L.	31	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	13	0	1	0	0	0
Hamilton P.H.L.	50	0	0	0	0	0	40	1	40	0	0	0	0	0	40	0	39	0	1	0	0	0
Peterborough P.H.L.	40	0	1	0	1	0	20	0	20	1	0	0	0	0	20	0	19	0	1	0	0	0
Province of Ontario	815	0	7	2	9	3	592	9	429	6	0	1	3	0	407	1	414	0	159	41	144	0
Manitoba	102	0	0	0	0	0	103	0	79	2	0	0	0	0	79	4	31	1	79	17	31	0
Regina	221	0	0	0	0	0	221	0	221	2	2	0	2	0	221	7	221	1	221	102	221	1
Saskatoon	90	0	0	1	1	0	90	0	90	3	1	0	0	0	90	6	90	2	90	48	90	0
Province of Saskatchewan	311	0	0	1	1	0	311	0	311	5	3	0	2	0	311	13	311	3	311	150	311	1
Province of Alberta	571	0	24	9	33	1	511	0	511	13	5	3	2	0	511	6	511	8	511	162	511	3
Prairies	984	0	24	10	34	1	925	0	901	20	8	3	4	0	901	23	853	12	901	329	853	4
British Columbia	278	0	13	3	16	2	278	0	182	5	1	1	0	0	182	1	182	0	146	60	146	2
Yukon	4	0	1	0	1	1	4	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	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	7	4	7	0
Nunavut	7	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	7	0	0	0	0	0
Territories	18	0	1	0	1	1	18	0	14	0	0	0	0	0	14	0	14	0	7	4	7	0
CANADA	2999	0	46	33	79	10	2661	21	2095	42	12	8	11	0	2089	40	2019	12	1309	448	1620	9

Table 2: Respiratory Virus Detections/Isolations for the period August 27, 2017 - October 14, 2017 (Reporting Weeks / Code hebdomadaire 201735-201741)

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	244	0	3	1	4	0	244	0	244	5	2	3	0	0	244	1	244	0	244	40	N.A.	N.A.
Prince Edward Island	20	0	0	0	0	0	21	0	13	0	0	0	1	0	13	1	13	0	13	1	13	0
Nova Scotia	100	0	1	1	2	0	100	4	54	0	0	0	0	0	54	1	54	0	54	14	54	0
New Brunswick	389	0	0	3	3	2	340	1	205	4	0	1	2	0	205	2	205	1	205	38	205	1
Atlantic	753	0	4	5	9	2	705	5	516	9	2	4	3	0	516	5	516	1	516	93	272	1
Région Nord-Est	202	0	0	1	1	1	184	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	387	0	0	0	0	0	532	5	509	3	1	0	2	0	522	8	464	0	N.A.	N.A.	462	0
Centre-du-Québec	143	0	0	9	9	0	153	5	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	2847	0	0	25	25	4	2837	39	2415	48	4	19	11	0	2477	93	2327	11	N.A.	N.A.	2161	5
Ouest du Québec	162	0	0	6	6	0	87	2	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	183	0	0	1	1	1	183	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	3924	0	0	42	42	6	3976	57	2924	51	5	19	13	0	2999	101	2791	11	N.A.	N.A.	2623	5
Ottawa P.H.L.	83	0	1	0	1	0	66	0	66	0	0	0	0	0	66	1	63	0	14	6	10	1
CHEO - Ottawa	595	0	0	6	6	1	594	2	136	4	0	0	2	0	162	2	218	0	162	42	162	1
Kingston P.H.L.	89	0	0	0	0	0	75	0	75	3	0	0	1	0	75	1	66	0	34	7	22	0
UHN / Mount Sinai Hospital	956	0	0	11	11	0	956	3	116	2	0	0	0	0	0	0	94	2	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	1553	9	27	3	39	4	1377	8	1377	20	1	2	1	0	1377	17	1314	3	308	48	234	5
Sick Kids Hospital - Toronto	335	0	1	1	2	0	335	7	335	6	0	3	7	0	335	4	335	4	335	134	335	2
Sunnybrook & Women's College HSC	261	0	3	0	3	1	261	1	261	4	3	2	2	0	261	0	261	1	261	45	261	1
Sault Ste. Marie P.H.L.	40	0	0	0	0	0	31	0	31	0	0	0	1	0	31	0	31	0	12	3	12	0
Timmins P.H.L.	26	0	0	0	0	0	25	0	25	0	0	0	0	0	25	0	25	0	2	1	2	0
St. Joseph's - London	116	0	0	1	1	1	116	3	116	2	0	0	2	0	116	1	103	0	116	46	116	0
London P.H.L.	246	1	1	0	2	0	233	1	233	1	0	0	3	0	233	1	216	1	82	21	63	0
Orillia P.H.L.	54	0	0	1	1	0	48	0	48	0	0	1	0	0	48	1	48	0	12	4	11	0
Thunder Bay P.H.L.	47	0	0	0	0	0	37	0	37	0	0	0	0	0	37	0	37	0	3	0	3	0
Sudbury P.H.L.	107	0	0	0	0	0	90	0	90	0	0	0	0	0	90	0	87	0	16	1	13	0
Hamilton P.H.L.	295	3	0	0	3	0	271	2	271	0	1	1	3	0	271	4	257	0	80	21	64	2
Peterborough P.H.L.	163	0	3	0	3	0	142	4	142	1	0	1	0	0	142	1	139	3	47	12	44	2
Province of Ontario	4966	13	36	23	72	7	4657	31	3359	43	5	10	22	0	3269	33	3294	14	1484	391	1352	14
Manitoba	734	0	0	0	0	0	734	3	612	3	2	0	1	0	612	10	244	4	612	117	244	0
Regina	1292	0	14	0	14	1	1292	4	1292	22	6	0	6	0	1292	28	1292	5	1292	588	1292	4
Saskatoon	488	0	0	3	3	0	488	2	488	6	1	4	0	0	488	19	488	3	488	212	488	2
Province of Saskatchewan	1780	0	14	3	17	1	1780	6	1780	28	7	4	6	0	1780	47	1780	8	1780	800	1780	6
Province of Alberta	3157	8	83	22	113	12	2856	0	2856	47	25	15	33	0	2856	47	2856	67	2856	1000	2856	12
Prairies	5671	8	97	25	130	13	5370	9	5248	78	34	19	40	0	5248	104	4880	79	5248	1917	4880	18
British Columbia	1414	4	92	15	111	10	1414	1	1097	12	4	6	21	0	1097	12	1097	19	857	329	857	13
Yukon	19	0	4	1	5	1	19	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	36	0	0	0	0	0	36	0	36	0	0	0	1	0	36	0	36	2	36	15	36	0
Nunavut	58	0	0	0	0	1	58	1	58	0	0	3	0	0	58	4	58	0	14	9	13	1
Territories	113	0	4	1	5	2	113	2	94	0	0	3	1	0	94	4	94	2	50	24	49	1
CANADA	16841	25	233	111	369	40	16235	105	13238	193	50	61	100	0	13223	259	12672	126	8155	2754	10033	52

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

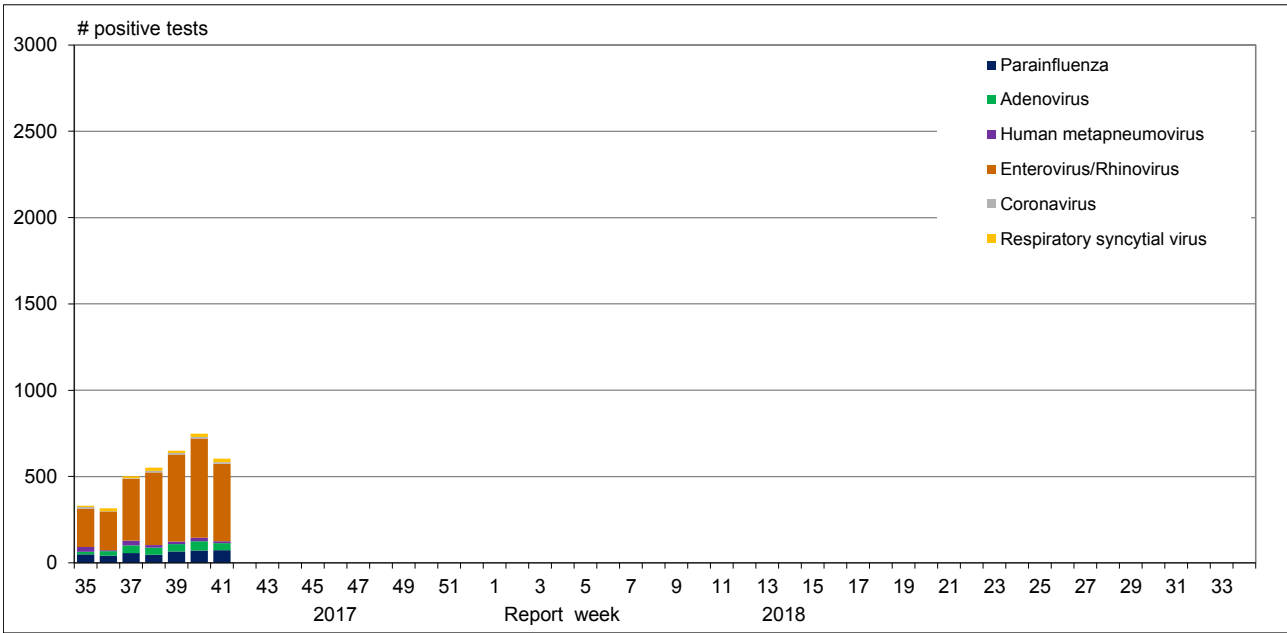


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

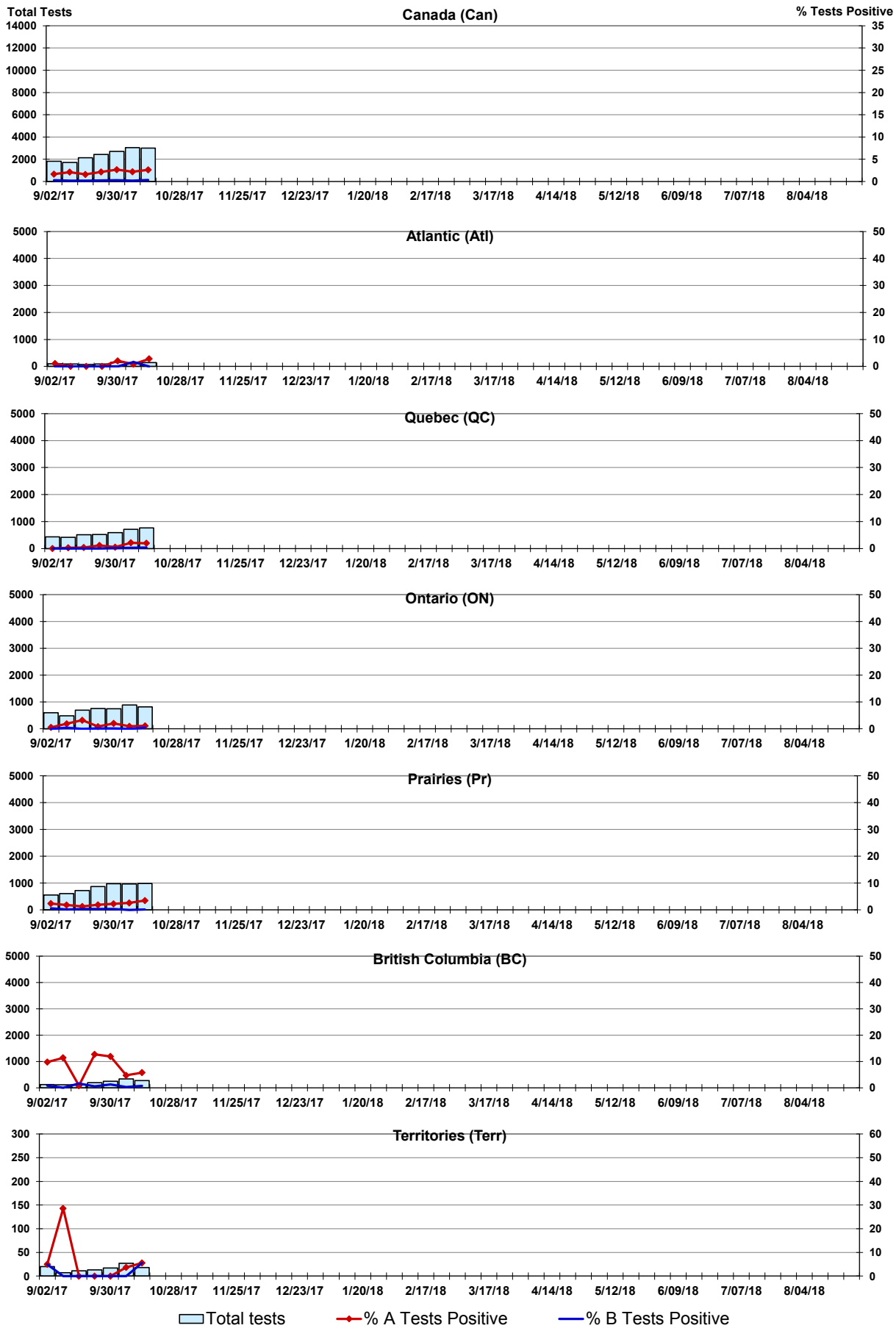


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report



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

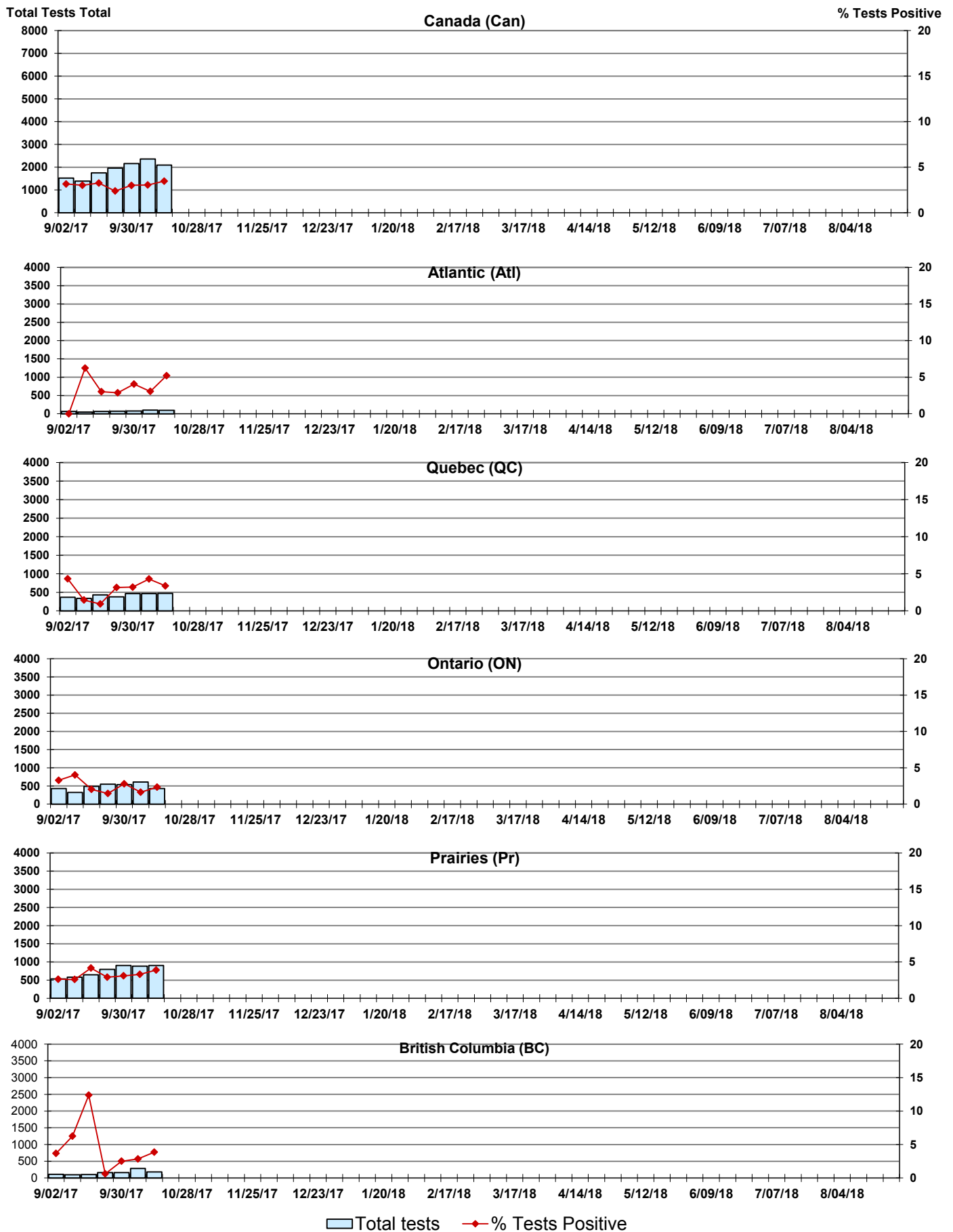


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

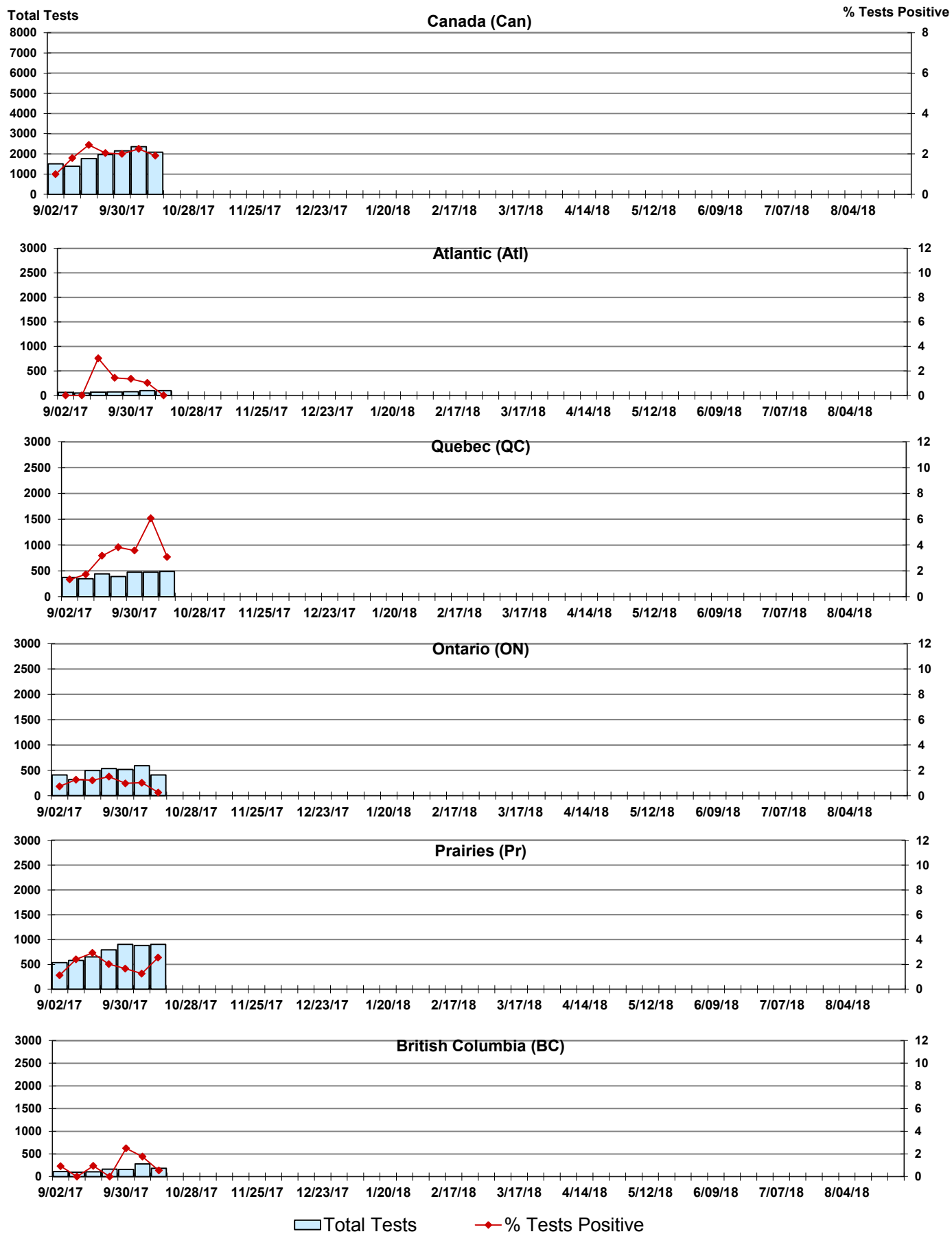


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report



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

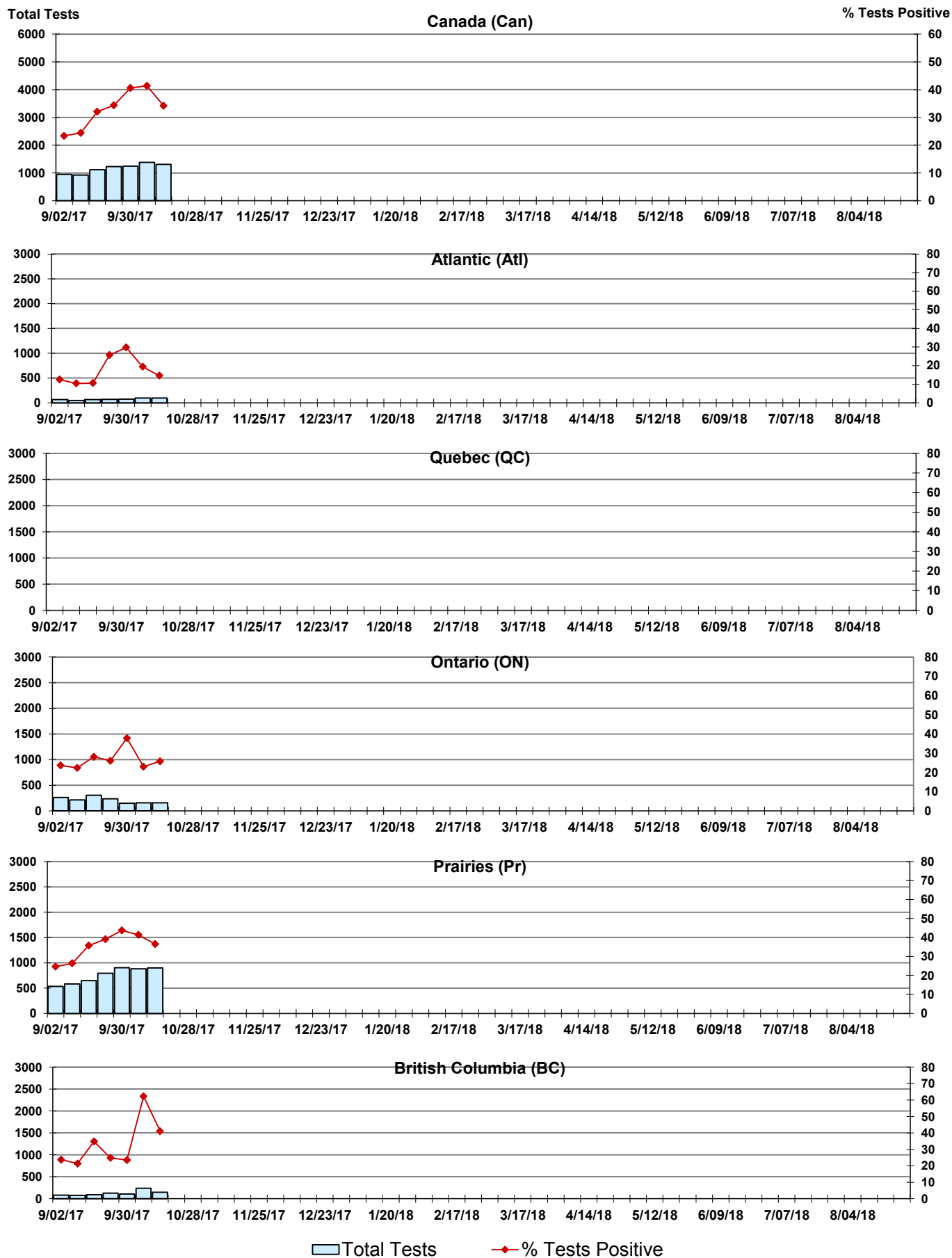


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report

