

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 42 - ending October 21, 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 21, 2017 (Reporting Week 201742)

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	39	0	0	0	0	0	39	0	39	3	0	1	0	0	39	0	39	0	39	9	N.A.	N.A.
Prince Edward Island	10	0	2	0	2	0	11	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
Nova Scotia	37	0	0	0	0	0	37	0	23	0	0	0	0	0	23	0	23	0	23	8	23	0
New Brunswick	94	0	5	8	13	0	39	6	39	1	0	0	0	0	39	0	39	0	39	5	39	0
Atlantic	180	0	7	8	15	0	126	6	102	4	0	1	0	0	102	0	102	0	102	22	63	0
Région Nord-Est	44	0	0	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	64	0	0	0	0	0	93	2	81	0	0	0	0	0	83	2	76	0	N.A.	N.A.	76	0
Centre-du-Québec	43	0	0	0	0	0	48	2	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	592	0	0	3	3	1	558	5	422	8	1	4	0	0	431	19	418	1	N.A.	N.A.	387	1
Ouest du Québec	61	0	0	0	0	2	32	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	43	0	0	1	1	0	43	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	847	0	0	4	4	3	816	10	503	8	1	4	0	0	514	21	494	1	N.A.	N.A.	463	1
Ottawa P.H.L.	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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.	20	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	1	0	2	0	0	0
UHN / Mount Sinai Hospital	156	0	0	0	0	0	156	5	6	0	0	0	0	0	0	0	6	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	202	0	1	0	1	0	46	1	46	1	0	0	0	0	46	0	43	0	3	0	0	0
Sick Kids Hospital - Toronto	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sunnybrook & Women's College HSC	56	0	0	0	0	0	56	0	56	2	0	0	0	0	56	0	56	2	56	14	56	0
Sault Ste. Marie P.H.L.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Timmins P.H.L.	10	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	8	0	0	1	1	0	8	0	8	0	0	0	0	0	8	0	8	0	8	6	8	0
London P.H.L.	42	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	4	0	3	0	0	0
Orillia P.H.L.	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thunder Bay P.H.L.	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudbury P.H.L.	23	0	0	1	1	0	11	2	11	1	0	0	0	0	10	0	10	0	0	0	0	0
Hamilton P.H.L.	38	0	0	0	0	0	7	0	7	0	0	0	0	0	7	0	5	0	2	0	0	0
Peterborough P.H.L.	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Province of Ontario	608	0	1	2	3	0	294	8	144	4	0	0	0	0	137	0	133	2	74	20	64	0
Manitoba	152	0	0	0	0	0	155	1	115	0	0	0	0	0	115	2	41	0	115	15	41	0
Regina	229	0	0	0	0	0	229	1	229	8	1	0	2	0	229	8	229	1	229	101	229	0
Saskatoon	84	0	0	0	0	0	84	5	84	5	0	0	0	0	84	1	84	0	84	33	84	0
Province of Saskatchewan	313	0	0	0	0	0	313	6	313	13	1	0	2	0	313	9	313	1	313	134	313	0
Province of Alberta	615	0	46	8	54	6	527	0	527	16	4	2	8	0	527	6	527	12	527	172	527	4
Prairies	1080	0	46	8	54	6	995	7	955	29	5	2	10	0	955	17	881	13	955	321	881	4
British Columbia	346	1	12	6	19	4	346	3	213	5	0	0	2	0	213	3	213	0	148	57	148	0
Yukon	9	0	0	0	0	1	9	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	1	5	2
Nunavut	8	0	0	2	2	0	6	0	6	0	0	1	0	0	6	1	6	0	2	1	2	0
Territories	22	0	0	2	2	1	20	0	11	0	0	1	0	0	11	1	11	0	7	2	7	2
CANADA	3083	1	66	30	97	14	2597	34	1928	50	6	8	12	0	1932	42	1834	16	1286	422	1626	7

Table 2: Respiratory Virus Detections/Isolations for the period August 27, 2017 - October 21, 2017 (Reporting Weeks / Code hebdomadaire 201735-201742)

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	283	0	3	1	4	0	283	0	283	8	2	4	0	0	283	1	283	0	283	49	N.A.	N.A.
Prince Edward Island	30	0	2	0	2	0	32	0	14	0	0	0	1	0	14	1	14	0	14	1	14	0
Nova Scotia	137	0	0	2	2	0	137	4	77	0	0	0	0	0	77	1	77	0	77	22	77	0
New Brunswick	483	0	5	11	16	2	379	7	244	5	0	1	2	0	244	2	244	1	244	43	244	1
Atlantic	933	0	10	14	24	2	831	11	618	13	2	5	3	0	618	5	618	1	618	115	335	1
Région Nord-Est	246	0	0	1	1	1	226	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	451	0	0	0	0	0	625	7	590	3	1	0	2	0	605	10	540	0	N.A.	N.A.	538	0
Centre-du-Québec	186	0	0	9	9	0	201	7	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	3439	0	0	28	28	5	3395	44	2837	56	5	23	11	0	2908	112	2745	12	N.A.	N.A.	2548	6
Ouest du Québec	223	0	0	6	6	2	119	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	226	0	0	2	2	1	226	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	4771	0	0	46	46	9	4792	67	3427	59	6	23	13	0	3513	122	3285	12	N.A.	N.A.	3086	6
Ottawa P.H.L.	88	0	1	0	1	0	75	0	75	0	0	0	0	0	75	1	72	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.	109	0	0	0	0	0	82	0	82	3	0	0	1	0	82	1	71	0	38	7	22	0
UHN / Mount Sinai Hospital	1112	0	0	11	11	0	1112	8	122	2	0	0	0	0	0	0	100	2	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	1755	9	28	3	40	4	1540	10	1540	25	1	2	1	0	1540	18	1474	4	313	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	317	0	3	0	3	1	317	1	317	6	3	2	2	0	317	0	317	3	317	59	317	1
Sault Ste. Marie P.H.L.	42	0	0	0	0	0	36	0	36	0	0	0	1	0	36	0	36	0	12	3	12	0
Timmins P.H.L.	36	0	0	0	0	0	26	0	26	0	0	0	0	0	26	0	26	0	2	1	2	0
St. Joseph's - London	124	0	0	2	2	1	124	3	124	2	0	0	2	0	124	1	111	0	124	52	124	0
London P.H.L.	288	1	1	0	2	0	244	1	244	1	0	0	3	0	244	1	224	1	85	21	63	0
Orillia P.H.L.	64	0	0	1	1	0	51	0	51	0	0	1	0	0	51	1	51	0	12	4	11	0
Thunder Bay P.H.L.	53	0	0	0	0	0	47	0	47	0	1	0	0	0	47	0	47	0	3	0	3	0
Sudbury P.H.L.	130	0	0	1	1	0	117	2	117	1	0	0	0	0	116	1	113	0	16	1	13	0
Hamilton P.H.L.	333	3	0	0	3	0	288	2	288	0	1	1	3	0	288	4	272	0	82	21	64	2
Peterborough P.H.L.	193	0	3	0	3	0	160	4	160	2	0	1	0	0	160	1	157	3	47	12	44	2
Province of Ontario	5574	13	37	25	75	7	5148	40	3700	52	6	10	22	0	3603	35	3624	17	1562	411	1416	14
Manitoba	886	0	0	0	0	0	889	4	727	3	2	0	1	0	727	12	285	4	727	132	285	0
Regina	1521	0	14	0	14	1	1521	5	1521	30	7	0	8	0	1521	36	1521	6	1521	689	1521	4
Saskatoon	572	0	0	3	3	0	572	7	572	11	1	4	0	0	572	20	572	3	572	245	572	2
Province of Saskatchewan	2093	0	14	3	17	1	2093	12	2093	41	8	4	8	0	2093	56	2093	9	2093	934	2093	6
Province of Alberta	3815	8	134	30	172	18	3417	0	3417	64	29	17	42	0	3417	56	3417	79	3417	1180	3417	16
Prairies	6794	8	148	33	189	19	6399	16	6237	108	39	21	51	0	6237	124	5795	92	6237	2246	5795	22
British Columbia	1737	5	104	19	128	14	1737	4	1310	17	4	6	23	0	1310	15	1310	19	1005	386	1005	13
Yukon	28	0	4	1	5	2	28	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	41	0	0	0	0	0	41	0	41	0	0	0	1	0	41	0	41	2	41	16	41	2
Nunavut	67	0	0	2	2	1	65	1	65	0	0	5	0	0	65	5	65	0	17	10	16	1
Territories	136	0	4	3	7	3	134	2	106	0	0	5	1	0	106	5	106	2	58	26	57	3
CANADA	19945	26	303	140	469	54	19041	140	15398	249	57	70	113	0	15387	306	14738	143	9480	3184	11694	59

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

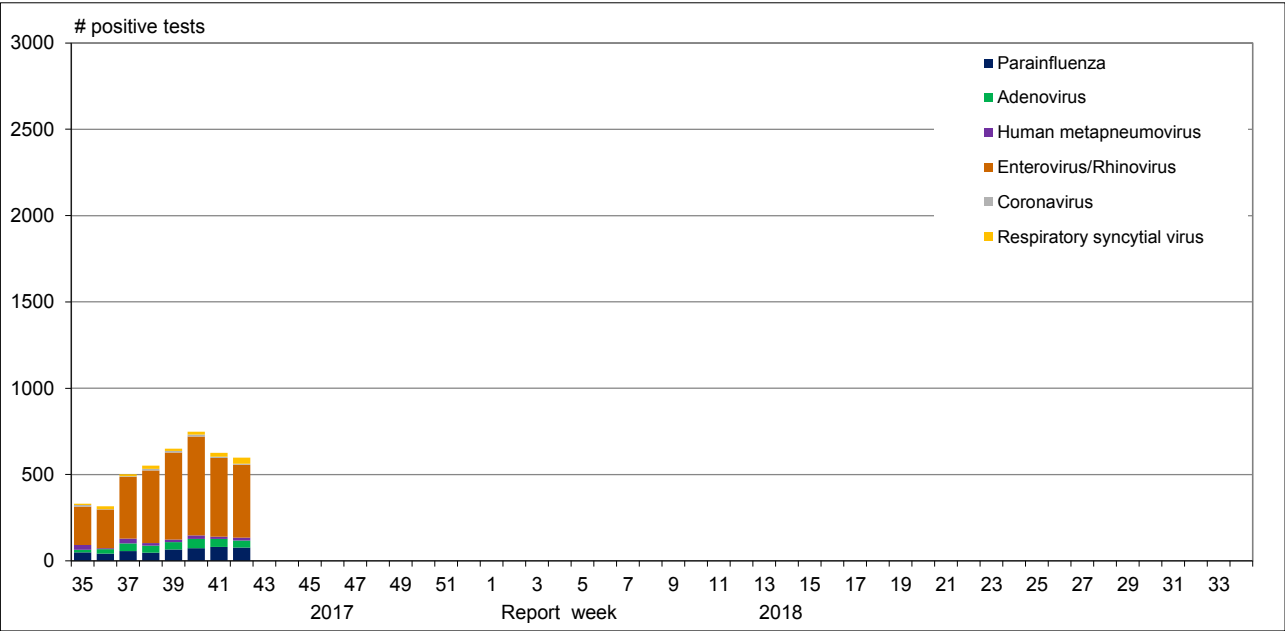


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

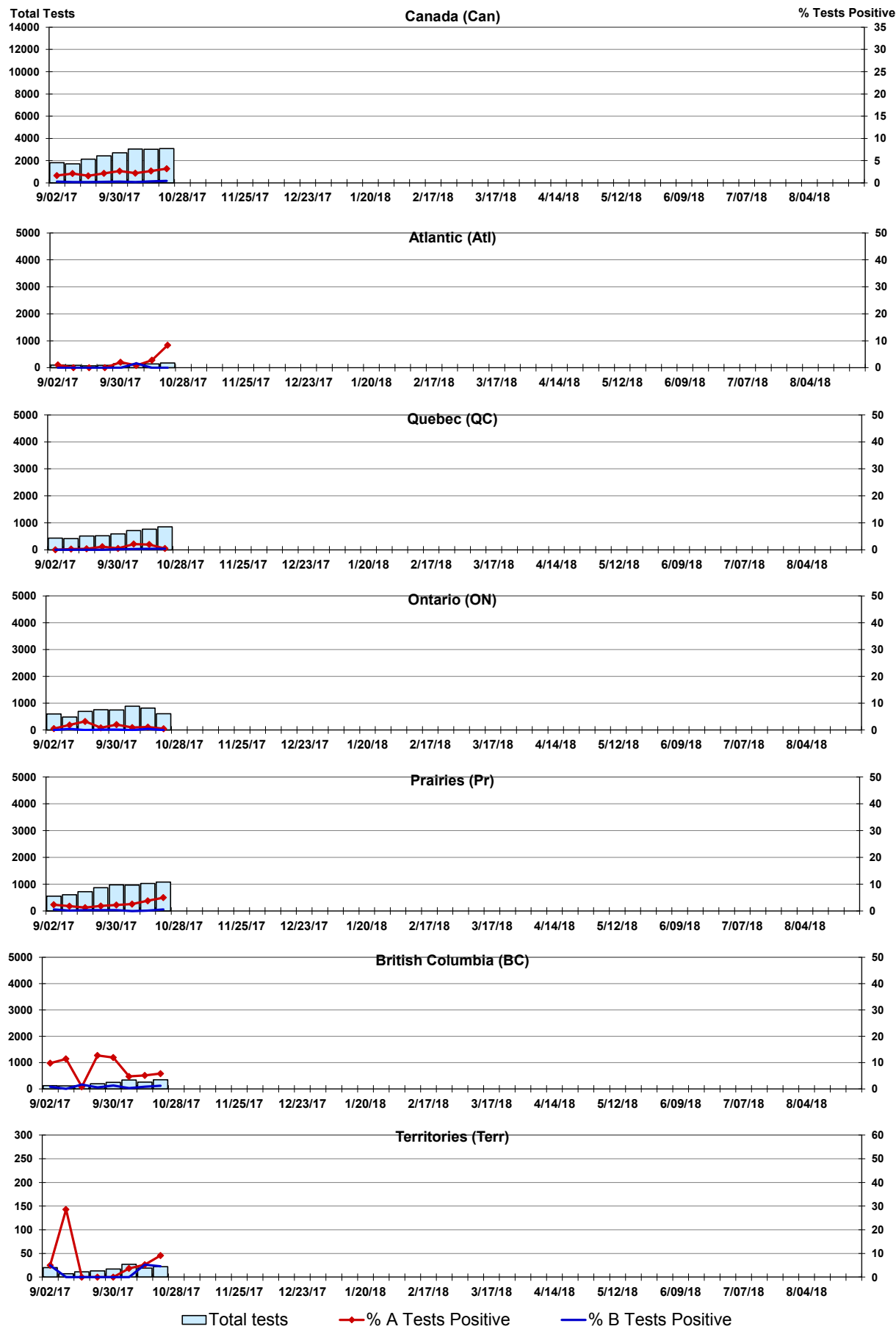


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

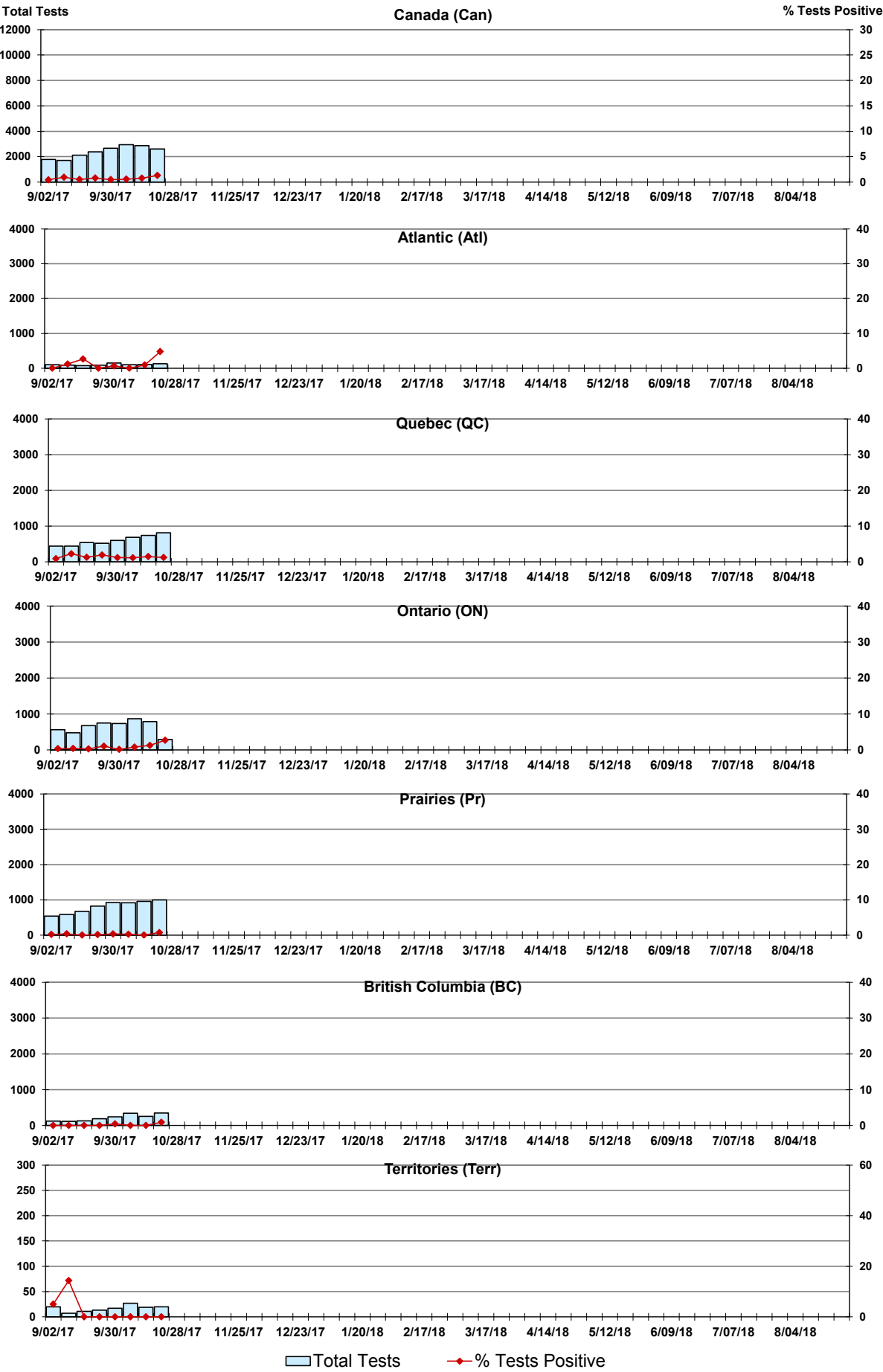


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

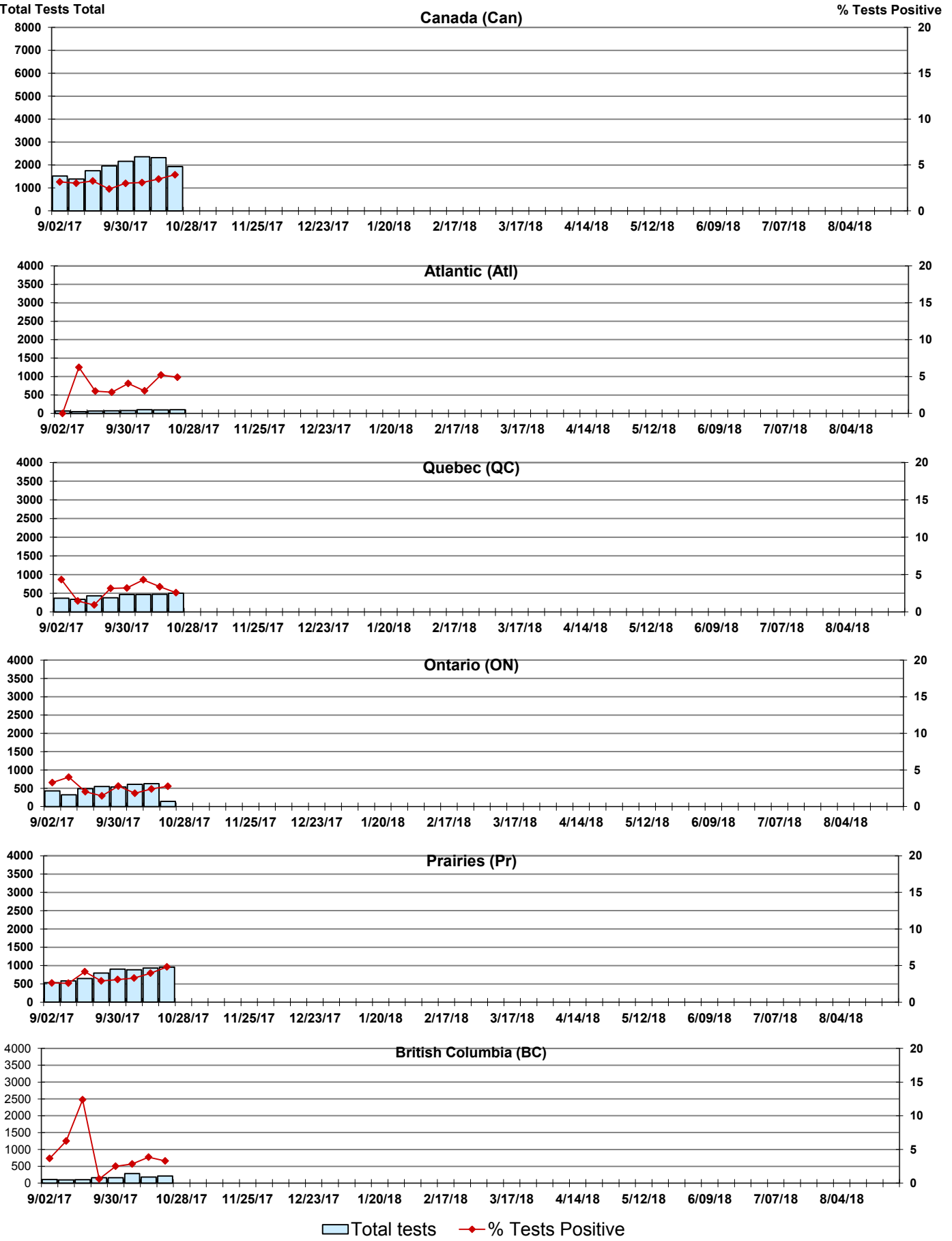


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

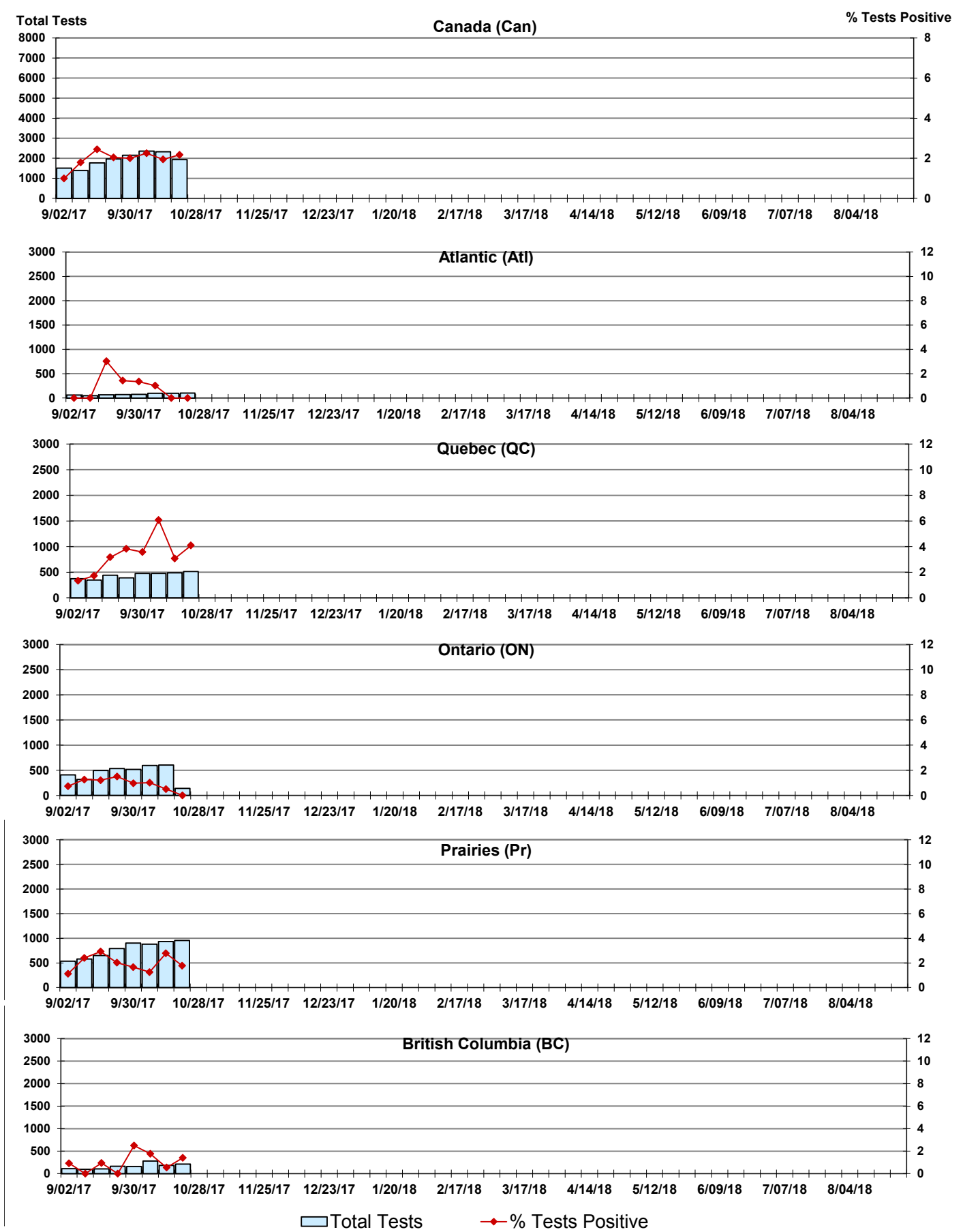


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

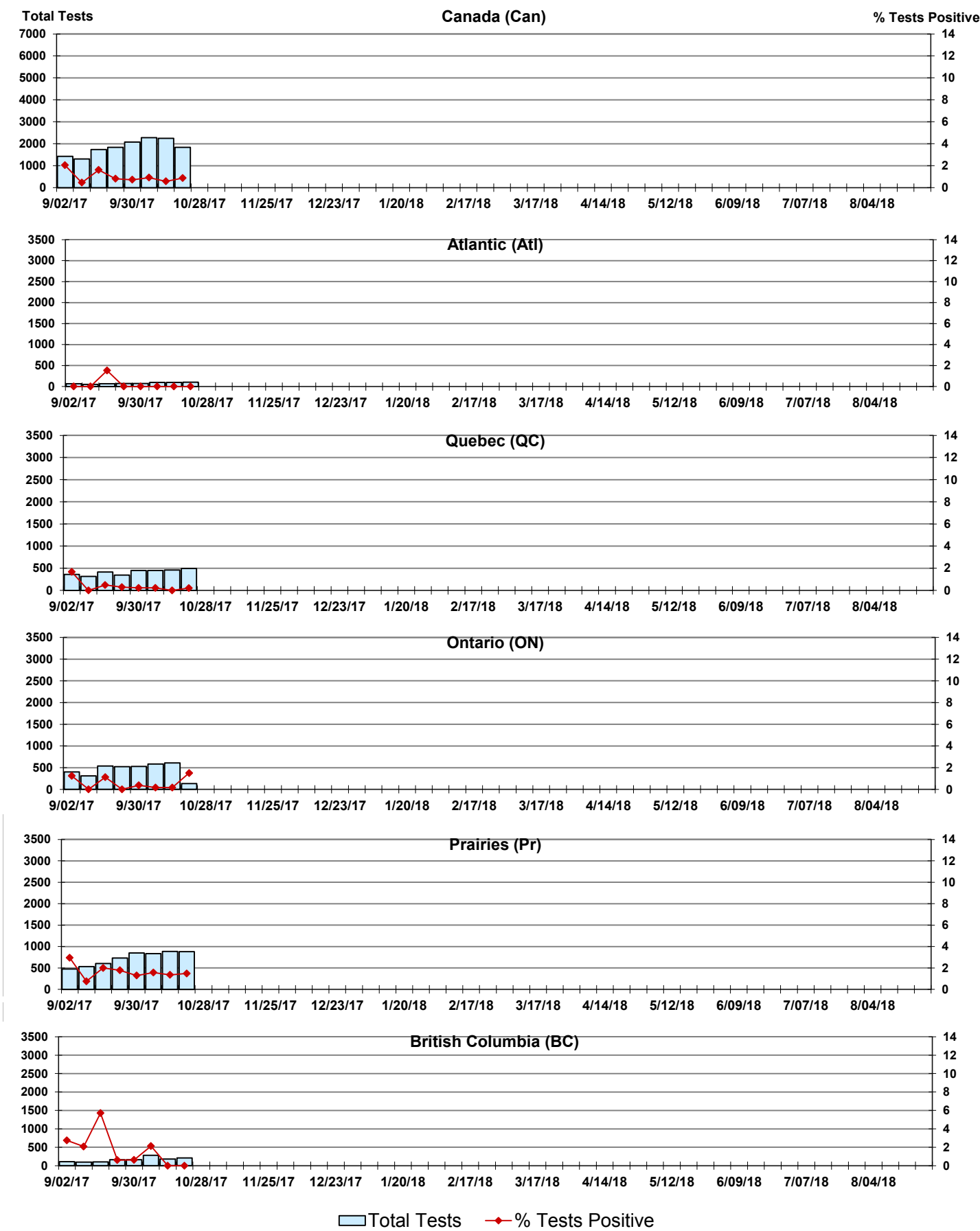


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

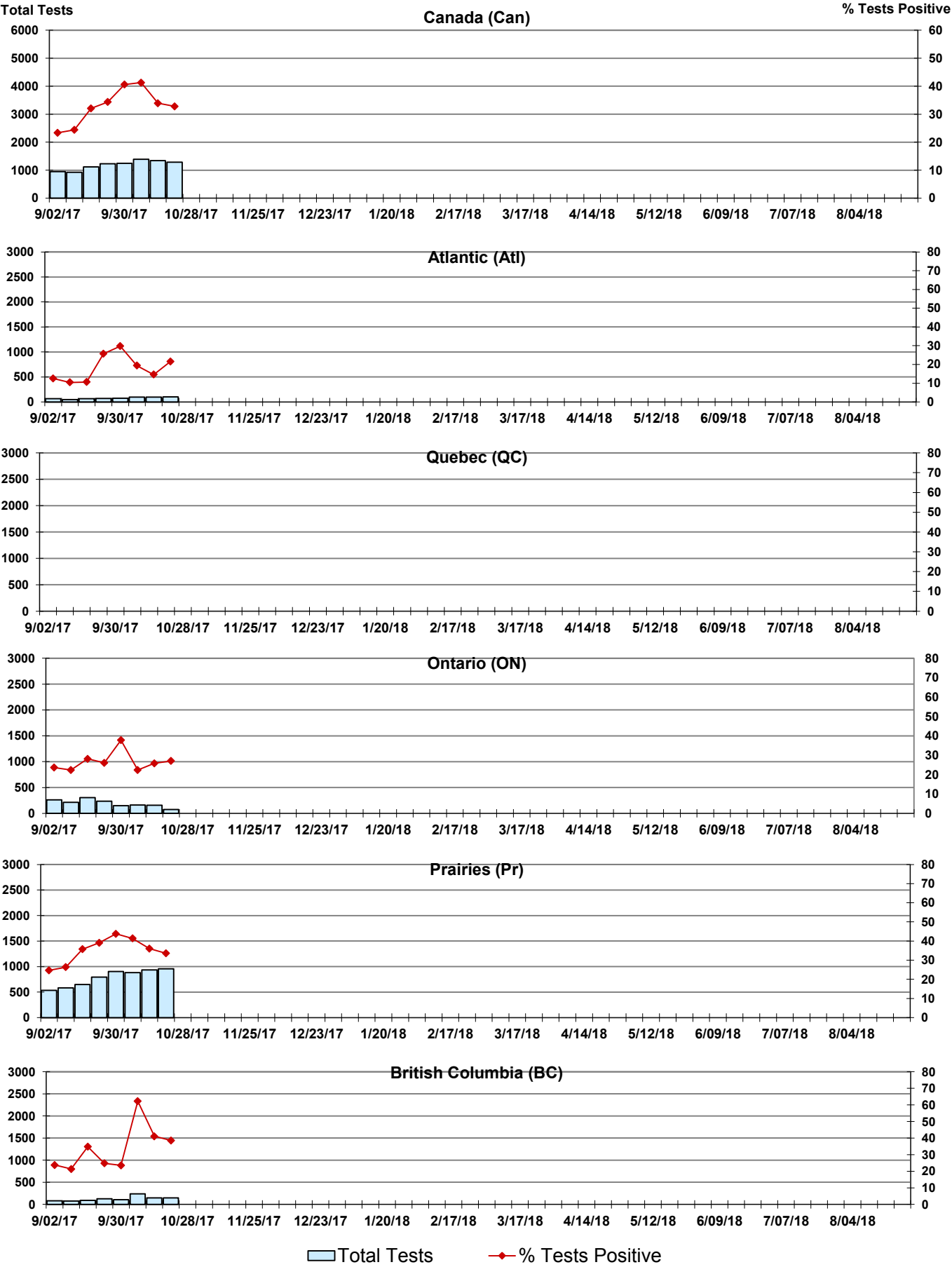
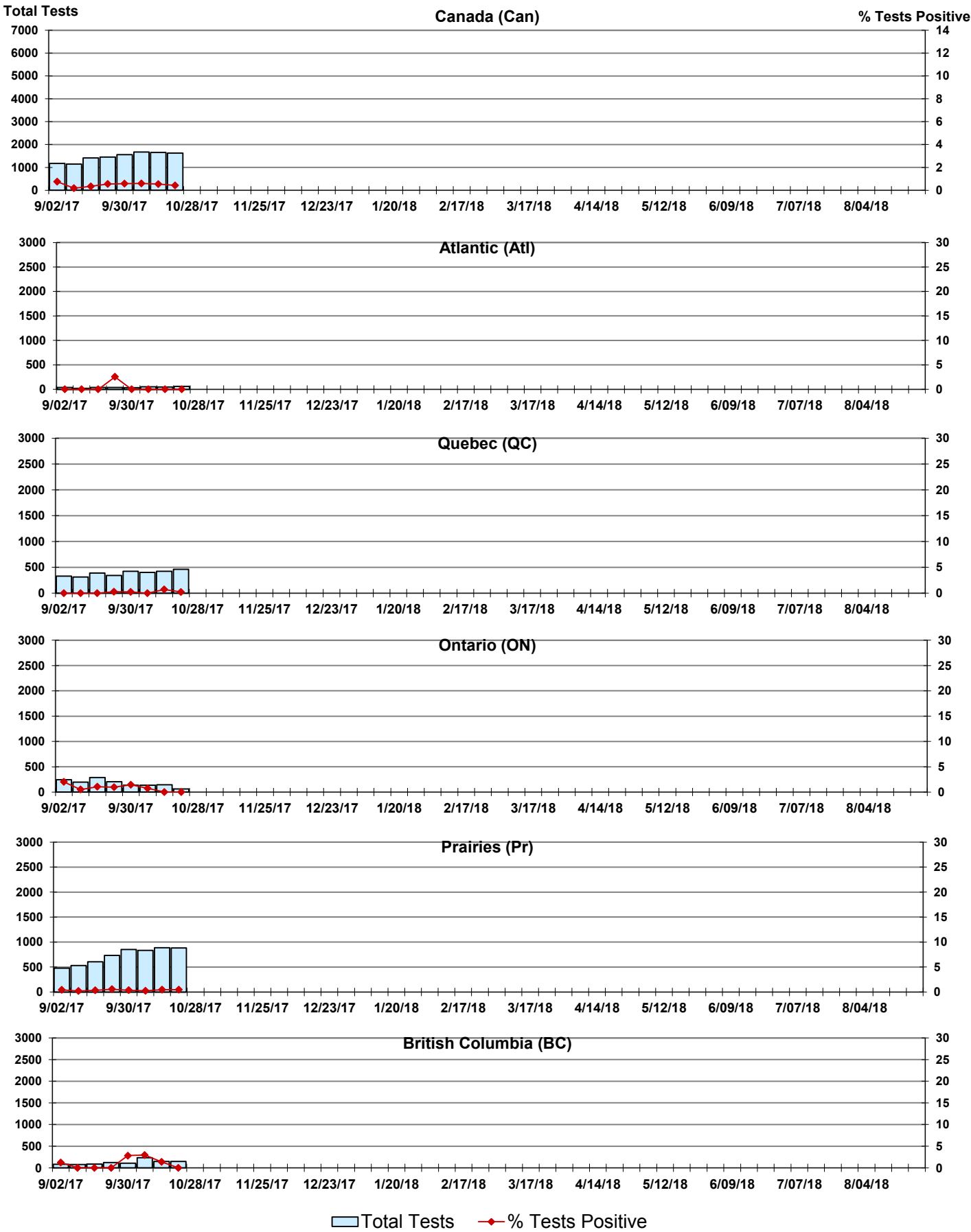


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.