

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 44 - November 4, 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 November 4, 2017 (Reporting Week 201744)

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	54	0	0	0	0	1	54	0	54	1	0	1	0	0	54	2	54	1	54	5	N.A.	N.A.
Prince Edward Island	18	0	1	0	1	0	18	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
Nova Scotia	44	0	0	2	2	0	44	0	32	0	1	0	0	0	32	0	32	0	32	7	32	0
New Brunswick	169	0	21	12	33	0	75	0	75	1	6	0	0	0	75	2	75	0	75	16	75	0
Atlantic	285	0	22	14	36	1	191	0	164	2	7	1	0	0	164	4	164	1	164	28	110	0
Région Nord-Est	47	0	0	0	0	0	45	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	115	0	0	3	3	0	97	3	70	2	0	0	2	0	73	6	59	0	N.A.	N.A.	58	0
Centre-du-Québec	72	0	0	2	2	2	60	4	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	643	0	0	9	9	3	579	19	445	8	2	1	1	0	456	19	440	2	N.A.	N.A.	397	2
Ouest du Québec	80	0	0	0	0	1	24	4	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Monterégie	72	0	0	1	1	0	72	5	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	1029	0	0	15	15	6	877	38	515	10	2	1	3	0	529	25	499	2	N.A.	N.A.	455	2
Ottawa P.H.L.	2	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0
CHEO - Ottawa	134	0	0	0	0	0	134	3	19	0	0	0	1	0	19	0	19	0	19	6	19	0
Kingston P.H.L.	38	0	1	0	1	0	28	0	28	0	0	0	0	0	28	1	25	0	3	0	0	0
UHN / Mount Sinai Hospital	229	0	0	0	0	1	229	2	25	0	0	0	0	0	0	0	25	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	400	0	9	0	9	0	385	7	385	4	1	0	0	0	385	3	373	2	12	0	0	0
Sick Kids Hospital - Toronto	62	0	0	0	0	0	62	4	62	3	0	0	1	0	62	2	62	2	62	19	62	2
Sunnybrook & Women's College HSC	61	0	1	0	1	0	61	0	61	0	0	0	1	0	61	0	61	0	61	10	61	0
Sault Ste. Marie P.H.L.	5	0	0	0	0	0	5	0	5	0	0	0	0	0	5	0	5	0	0	0	0	0
Timmins P.H.L.	4	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	3	0	1	0	0	0
St. Joseph's - London	67	0	0	2	2	0	67	0	34	4	0	0	1	0	34	1	34	0	15	8	15	0
London P.H.L.	48	0	0	0	0	0	48	2	48	1	0	0	0	0	48	0	47	0	1	0	0	0
Orillia P.H.L.	24	0	0	0	0	0	18	0	18	1	0	0	0	0	18	0	17	0	1	0	0	0
Thunder Bay P.H.L.	16	0	0	0	0	0	16	0	16	0	0	0	0	0	16	0	16	1	0	0	0	0
Sudbury P.H.L.	29	0	0	0	0	0	27	0	27	0	0	0	0	0	27	0	21	0	6	0	0	0
Hamilton P.H.L.	43	0	0	0	0	0	43	0	43	0	0	0	0	0	43	0	40	0	3	0	0	0
Peterborough P.H.L.	20	0	0	0	0	0	17	0	17	0	0	0	0	0	17	0	17	0	0	0	0	0
Province of Ontario	1182	0	11	2	13	1	1145	18	793	13	1	0	4	0	768	7	766	5	184	43	157	2
Manitoba	199	0	0	1	1	0	199	1	146	2	0	0	0	0	146	3	57	4	176	17	57	0
Regina	280	0	1	0	1	0	280	1	280	17	3	0	0	0	280	4	280	3	280	102	280	0
Saskatoon	113	1	0	0	1	0	113	1	101	0	0	0	0	0	101	1	101	1	101	10	101	0
Province of Saskatchewan	393	1	1	0	2	0	393	2	381	17	3	0	0	0	381	5	381	4	381	112	381	0
Province of Alberta	720	1	64	19	84	17	598	0	598	22	8	7	1	0	598	14	598	10	598	141	598	1
Prairies	1312	2	65	20	87	17	1190	3	1125	41	11	7	1	0	1125	22	1036	18	1155	270	1036	1
British Columbia	363	1	8	0	9	4	363	5	220	16	0	0	6	0	220	1	220	2	182	55	182	0
Yukon	9	0	0	0	0	0	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	8	0	0	0	0	0	8	0	8	0	0	0	0	0	8	0	8	0	8	2	8	0
Nunavut	19	0	1	0	1	0	17	0	17	0	0	0	0	0	17	2	17	1	4	1	4	0
Territories	36	0	1	0	1	0	34	0	25	0	0	0	0	0	25	2	25	1	12	3	12	0
CANADA	4207	3	107	51	161	29	3800	64	2842	82	21	9	14	0	2831	61	2710	29	1697	399	1952	5

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.

Table 2: Respiratory Virus Detections/Isolations for the period August 27, 2017 - November 4, 2017 (Reporting Weeks / Code hebdomadaire 201735-201744)

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	390	0	3	1	4	1	390	0	390	12	2	5	0	0	390	3	390	1	390	66	N.A.	N.A.
Prince Edward Island	67	0	6	0	6	0	69	0	19	0	0	0	1	0	19	1	19	0	19	2	19	0
Nova Scotia	218	0	0	4	4	0	219	4	135	0	1	1	0	0	135	1	135	0	135	34	135	0
New Brunswick	816	0	30	33	63	2	617	7	360	7	6	1	2	0	360	4	360	1	360	73	360	1
Atlantic	1491	0	39	38	77	3	1295	11	904	19	9	7	3	0	904	9	904	2	904	175	514	1
Région Nord-Est	339	0	0	1	1	1	318	7	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	641	0	0	5	5	1	819	15	731	7	1	0	5	0	749	18	663	0	N.A.	N.A.	612	0
Centre-du-Québec	320	0	0	13	13	3	319	13	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	4628	0	0	45	45	8	4483	75	3697	70	9	27	13	0	3787	148	3589	18	N.A.	N.A.	3319	12
Ouest du Québec	387	0	0	6	6	3	170	8	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	349	0	0	4	4	1	349	11	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	6664	0	0	74	74	17	6458	129	4428	77	10	27	18	0	4536	166	4252	18	N.A.	N.A.	3931	12
Ottawa P.H.L.	103	0	1	0	1	0	100	0	100	0	0	0	0	0	100	1	97	0	14	6	10	1
CHEO - Ottawa	1023	0	0	9	9	1	1022	7	205	4	0	0	4	0	231	2	287	0	231	67	231	1
Kingston P.H.L.	174	0	1	0	1	0	158	0	158	4	0	0	1	0	158	3	142	0	49	7	22	0
UHN / Mount Sinai Hospital	1542	0	0	11	11	2	1542	14	163	2	0	0	0	0	0	0	141	2	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	2594	9	43	3	55	6	2498	22	2498	44	3	2	1	0	2498	24	2404	8	357	48	234	5
Sick Kids Hospital - Toronto	503	0	1	1	2	0	503	13	503	16	1	4	11	0	503	6	503	9	503	178	503	4
Sunnybrook & Women's College HSC	433	0	5	0	5	1	433	1	433	8	4	2	3	0	433	0	433	3	433	76	433	3
Sault Ste. Marie P.H.L.	55	0	0	0	0	0	52	0	52	0	0	0	1	0	52	0	51	0	14	3	12	0
Timmins P.H.L.	49	0	0	0	0	0	49	0	49	0	0	0	0	0	49	0	48	0	3	1	2	0
St. Joseph's - London	220	0	0	4	4	1	220	3	187	8	0	0	3	0	187	2	174	0	168	69	168	0
London P.H.L.	420	1	2	0	3	0	408	3	408	3	0	0	3	0	408	1	383	1	95	21	63	0
Orillia P.H.L.	109	0	0	1	1	0	100	0	100	1	0	1	0	0	100	1	99	0	14	4	11	0
Thunder Bay P.H.L.	88	0	0	0	0	0	87	0	87	0	1	0	0	0	87	0	87	1	3	0	3	0
Sudbury P.H.L.	176	0	0	2	2	1	170	2	170	1	0	0	0	0	169	1	155	0	28	1	13	0
Hamilton P.H.L.	456	3	1	0	4	0	441	2	441	3	1	1	3	0	441	4	418	2	90	21	64	2
Peterborough P.H.L.	253	0	3	0	3	0	247	5	247	2	0	1	0	0	247	1	244	3	47	12	44	2
Province of Ontario	8198	13	57	31	101	12	8030	72	5801	96	10	11	30	0	5663	46	5666	29	2049	514	1813	18
Manitoba	1276	0	3	1	4	0	1279	5	1011	8	2	0	1	0	1011	21	396	10	1041	168	396	0
Regina	2004	0	15	0	15	1	2004	9	2004	55	13	0	9	0	2004	43	2004	10	2004	890	2004	4
Saskatoon	786	1	0	3	4	0	786	10	774	11	1	4	0	0	774	22	774	4	774	285	774	2
Province of Saskatchewan	2790	1	15	3	19	1	2790	19	2778	66	14	4	9	0	2778	65	2778	14	2778	1175	2778	6
Province of Alberta	5323	9	278	67	354	50	4679	0	4679	108	39	26	48	0	4679	87	4679	121	4679	1510	4679	21
Prairies	9389	10	296	71	377	51	8748	24	8468	182	55	30	58	0	8468	173	7853	145	8498	2853	7853	27
British Columbia	2403	9	124	17	150	19	2403	13	1750	42	7	9	33	0	1750	17	1750	21	1365	499	1365	13
Yukon	48	0	4	1	5	3	48	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	58	0	0	0	0	0	58	0	58	0	0	0	1	0	58	0	58	2	58	22	58	3
Nunavut	101	0	3	0	3	1	97	1	97	0	0	5	0	0	97	9	97	2	26	13	24	1
Territories	207	0	7	1	8	4	203	2	155	0	0	5	1	0	155	9	155	4	84	35	82	4
CANADA	28352	32	523	232	787	106	27137	251	21506	416	91	89	143	0	21476	420	20580	219	12900	4076	15558	75

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.

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

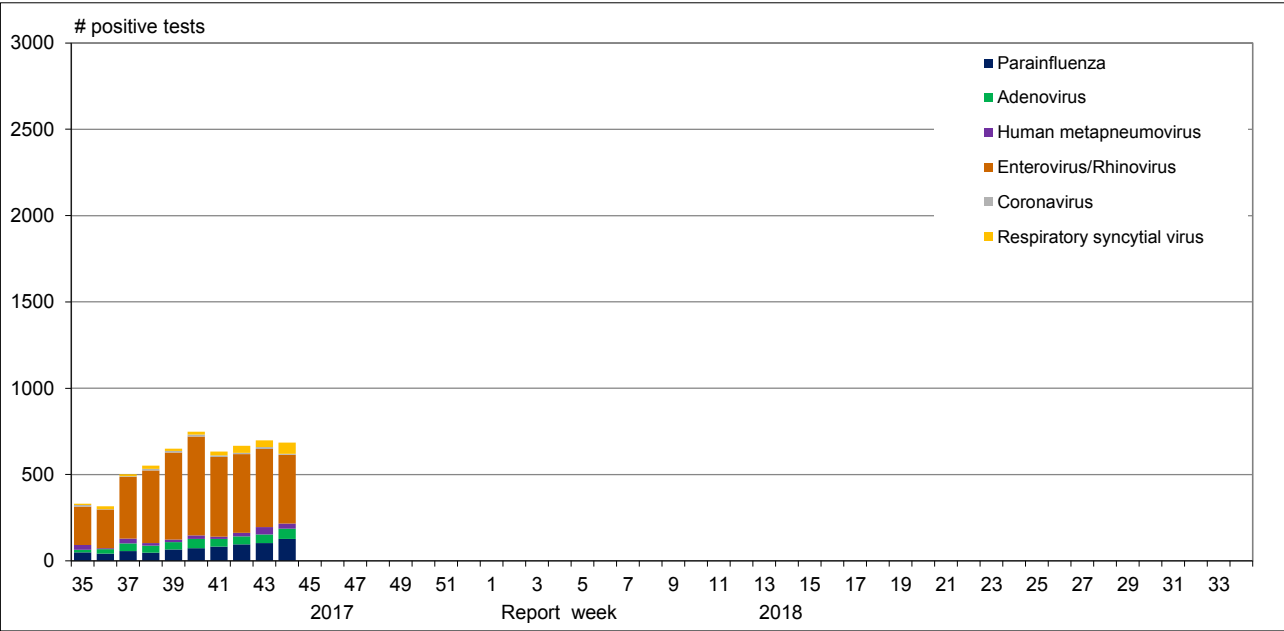


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

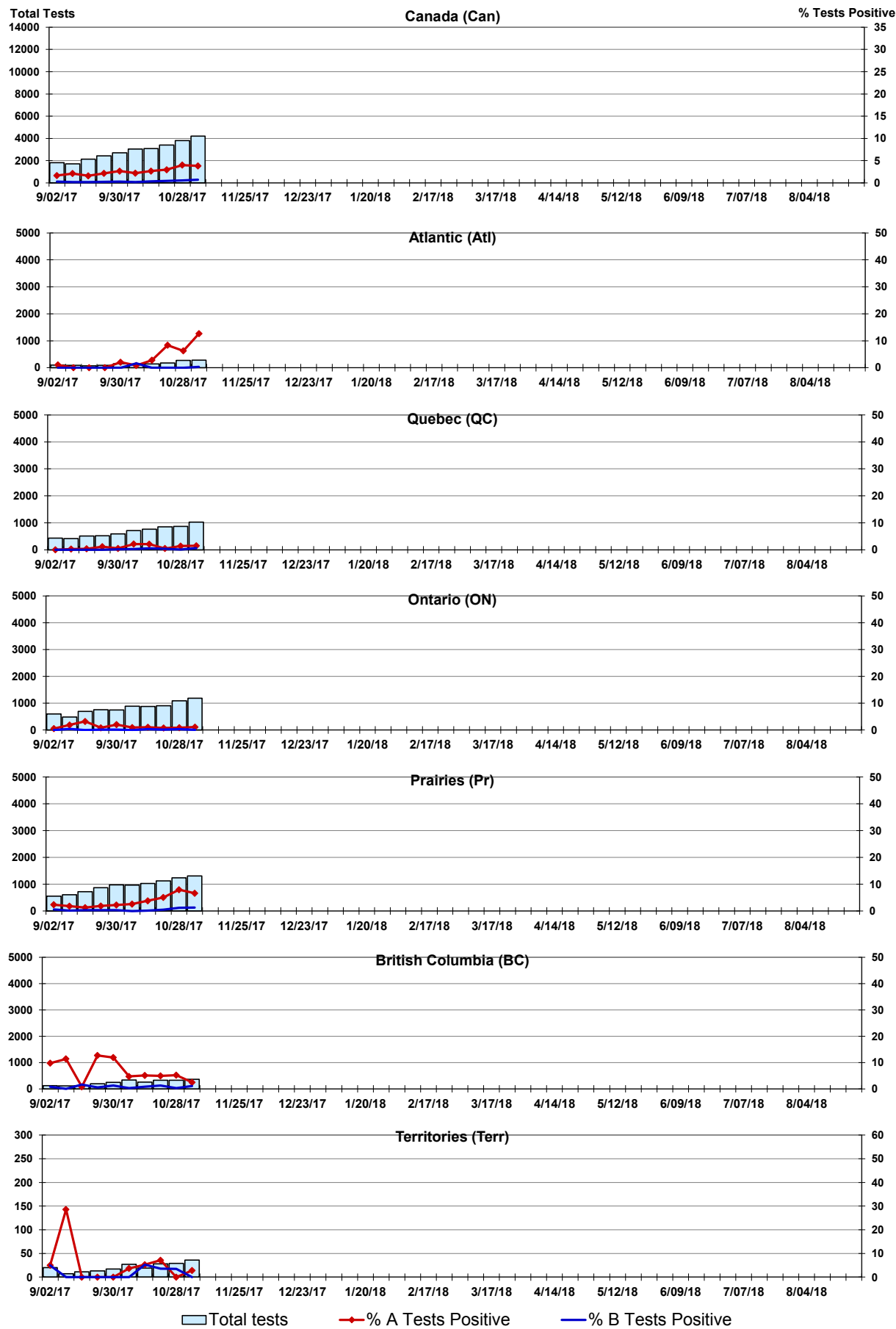


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

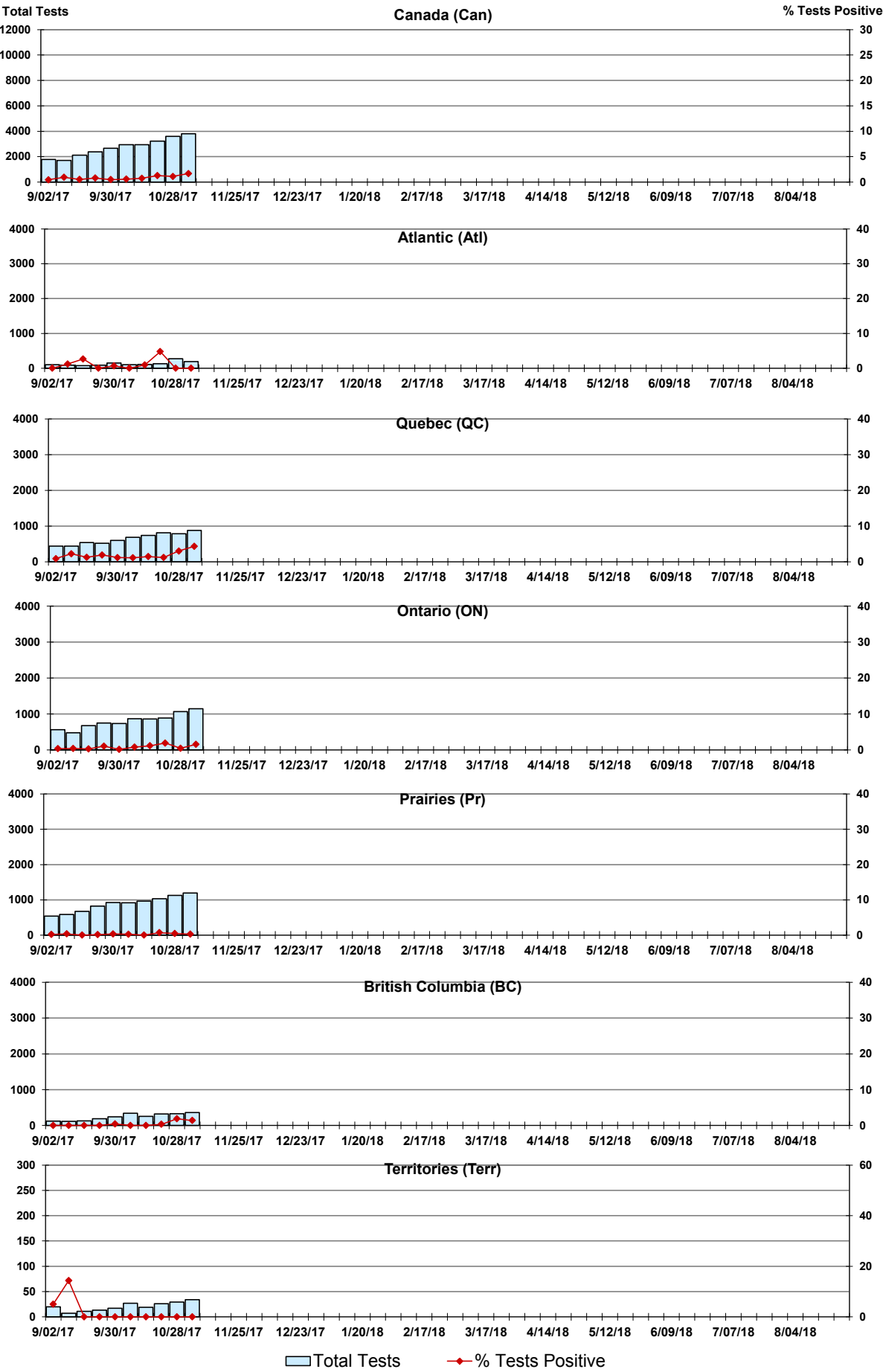


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

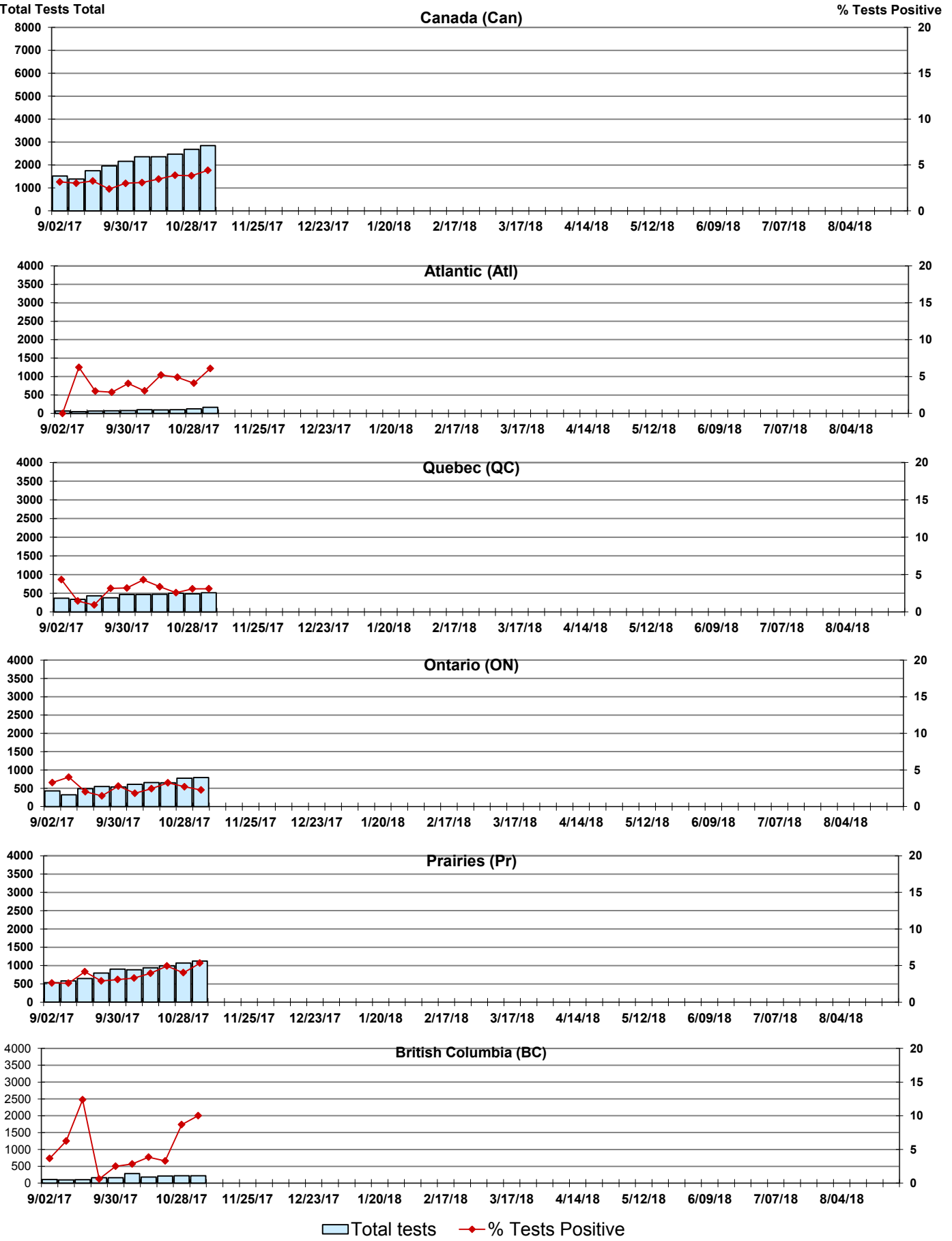


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

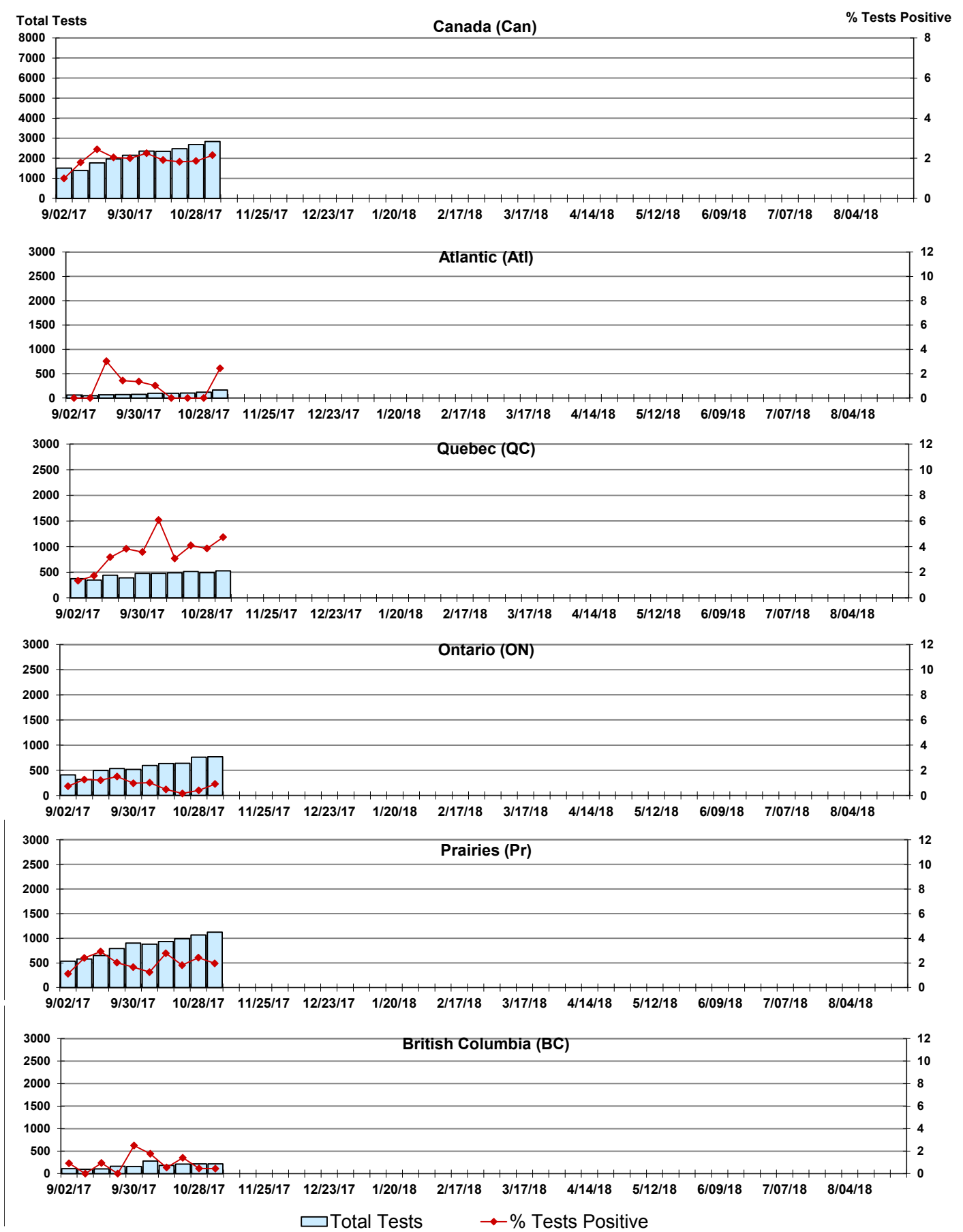


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

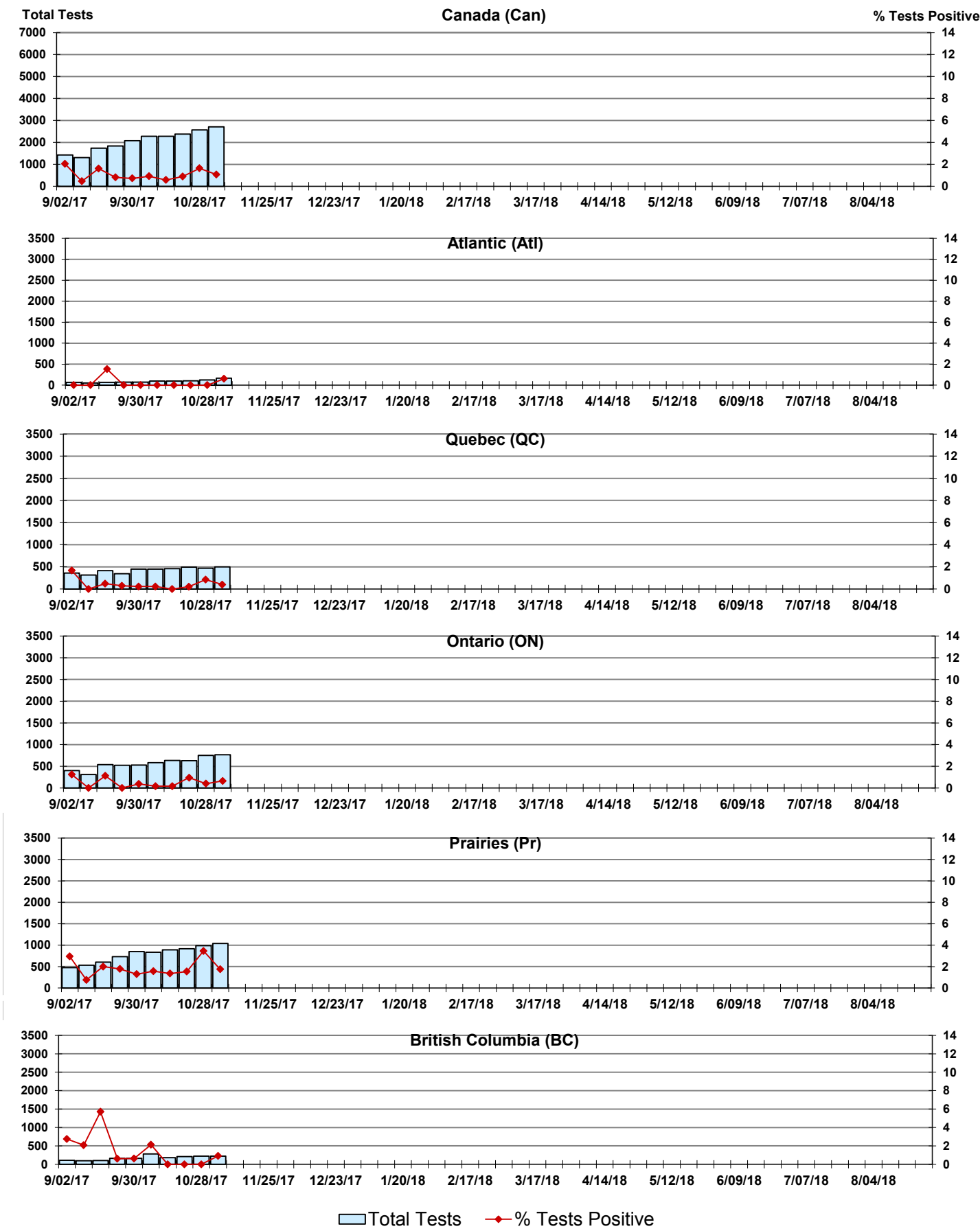


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

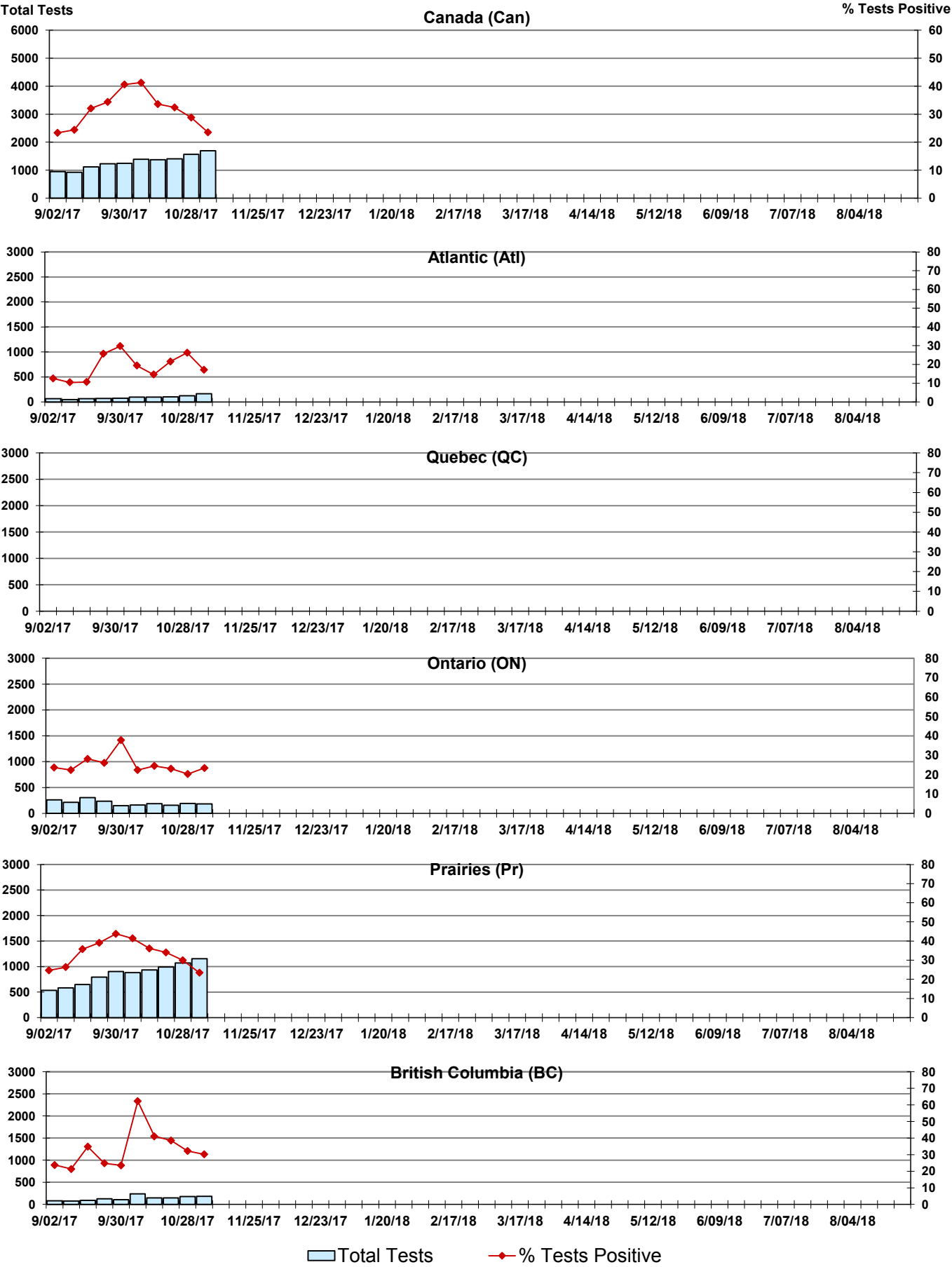
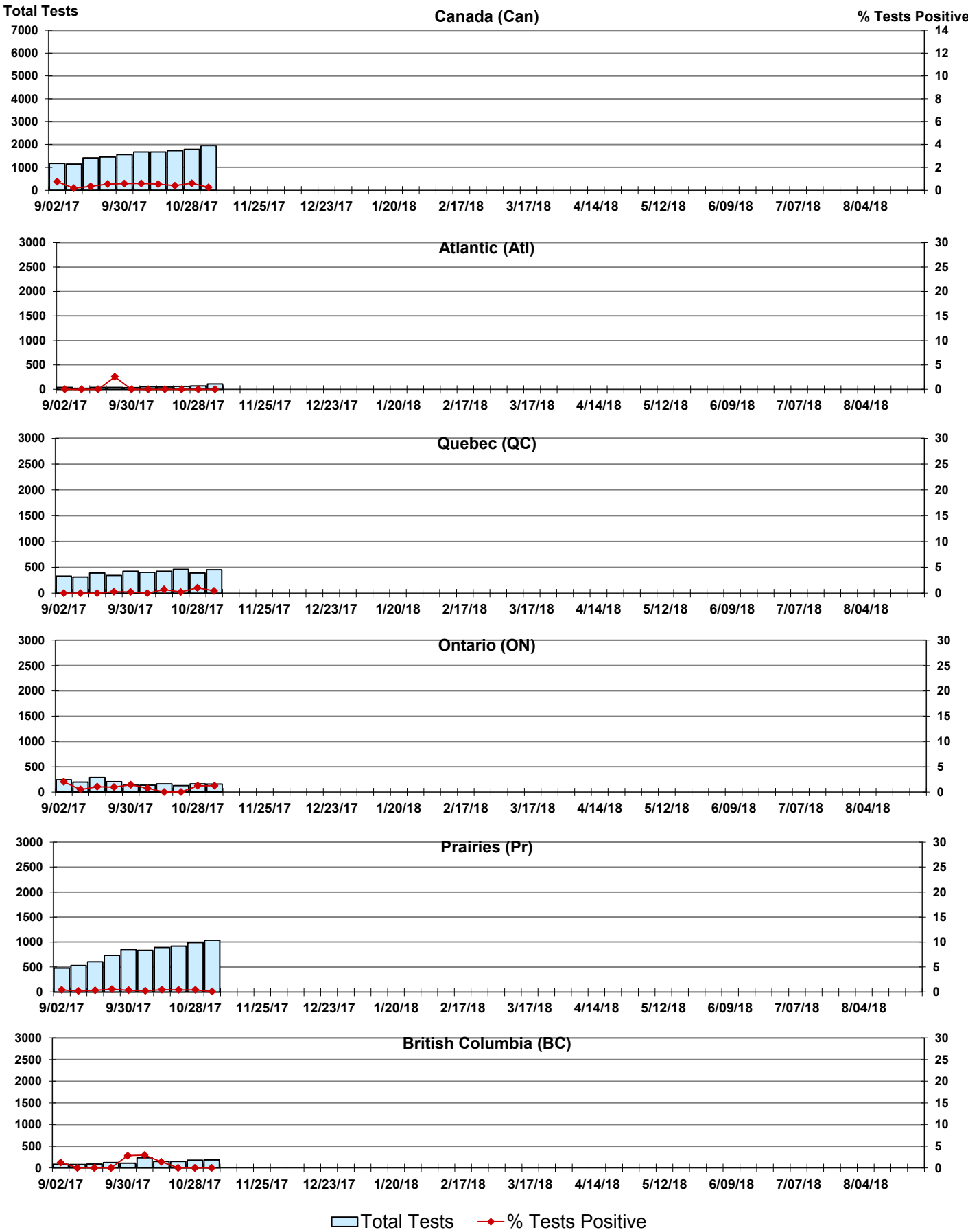


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.