

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 46- ending November 18, 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 18, 2017 (Reporting Week 201746)

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	0	54	0	54	6	0	1	0	0	54	3	54	1	54	8	N.A.	N.A.
Prince Edward Island	17	0	1	0	1	0	17	0	2	0	0	0	0	0	2	0	2	0	2	0	2	0
Nova Scotia	49	0	0	0	0	0	50	0	26	0	0	0	0	0	26	2	26	0	26	6	26	0
New Brunswick	172	0	3	3	6	1	170	4	60	0	1	0	1	0	60	2	60	0	60	18	60	0
Atlantic	292	0	4	3	7	1	291	4	142	6	1	1	1	0	142	7	142	1	142	32	88	0
Région Nord-Est	86	0	0	0	0	0	82	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	192	0	0	1	1	0	194	11	67	0	0	0	1	0	71	4	60	1	N.A.	N.A.	60	0
Centre-du-Québec	166	0	0	3	3	2	142	8	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	763	0	0	25	25	4	660	27	452	3	0	3	2	0	461	25	442	3	N.A.	N.A.	403	4
Ouest du Québec	127	0	0	2	2	1	11	6	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	93	0	0	2	2	2	93	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	1427	0	0	33	33	9	1182	58	519	3	0	3	3	0	532	29	502	4	N.A.	N.A.	463	4
Ottawa P.H.L.	7	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	6	0	0	0	0	0
CHEO - Ottawa	148	0	0	2	2	1	148	4	27	1	0	0	0	0	27	0	27	0	27	7	27	0
Kingston P.H.L.	16	0	0	0	0	0	11	0	11	1	0	0	0	0	11	1	10	0	1	0	0	0
UHN / Mount Sinai Hospital	221	0	0	5	5	2	221	4	16	1	0	0	0	0	0	0	16	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	306	4	10	1	15	0	284	7	284	4	1	1	0	0	284	1	283	2	1	0	0	0
Sick Kids Hospital - Toronto	69	0	1	0	1	0	69	8	69	1	0	0	1	0	69	2	69	0	69	24	69	0
Sunnybrook & Women's College HSC	71	0	1	0	1	0	71	3	71	2	1	0	0	0	71	0	71	0	71	11	71	0
Sault Ste. Marie P.H.L.	10	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	9	0	1	0	0	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	73	0	0	1	1	1	73	1	34	0	0	0	1	0	34	1	34	0	13	5	13	0
London P.H.L.	64	0	3	2	5	0	59	1	59	1	2	0	0	0	59	0	58	0	1	0	0	0
Orillia P.H.L.	25	0	0	0	0	0	19	0	19	0	0	0	0	0	19	0	19	1	0	0	0	0
Thunder Bay P.H.L.	33	0	0	0	0	0	33	0	33	0	0	1	0	0	33	0	32	1	1	0	0	0
Sudbury P.H.L.	37	0	1	3	4	2	31	0	31	1	0	0	0	0	31	0	30	0	1	0	0	0
Hamilton P.H.L.	61	0	2	0	2	1	58	1	58	3	0	0	0	0	58	3	54	0	4	0	0	0
Peterborough P.H.L.	44	0	0	0	0	0	35	1	35	0	0	0	0	0	35	0	35	0	0	0	0	0
Province of Ontario	1191	4	18	14	36	7	1134	30	769	15	4	2	2	0	753	8	759	4	190	47	180	0
Manitoba	301	0	11	4	15	0	299	0	209	1	0	0	0	0	209	1	81	1	209	23	81	0
Regina	256	0	7	0	7	0	256	2	256	20	5	0	1	0	256	9	256	2	256	69	256	4
Saskatoon	126	0	0	6	6	1	126	3	126	3	0	0	0	0	126	1	126	1	126	16	126	0
Province of Saskatchewan	382	0	7	6	13	1	382	5	382	23	5	0	1	0	382	10	382	3	382	85	382	4
Province of Alberta	893	4	122	41	167	46	714	0	714	23	9	2	11	0	714	15	714	27	714	129	714	7
Prairies	1576	4	140	51	195	47	1395	5	1305	47	14	2	12	0	1305	26	1177	31	1305	237	1177	11
British Columbia	423	5	7	2	14	8	423	10	197	6	3	1	0	0	197	1	197	0	150	40	150	1
Yukon	12	0	1	0	1	0	12	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	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
Nunavut	9	0	0	0	0	0	9	0	9	0	0	0	0	0	9	1	9	0	1	1	1	0
Territories	24	0	1	0	1	0	24	0	12	0	0	0	0	0	12	1	12	0	4	1	4	0
CANADA	4933	13	170	103	286	72	4449	107	2944	77	22	9	18	0	2941	72	2789	40	1791	357	2062	16

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 18, 2017 (Reporting Weeks / Code hebdomadaire 201735-201746)

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	477	0	3	2	5	1	477	0	477	20	2	6	0	0	477	7	477	3	477	76	N.A.	N.A.
Prince Edward Island	99	0	8	0	8	0	101	0	21	0	0	0	1	0	21	1	21	0	21	2	21	0
Nova Scotia	310	0	0	4	4	1	313	6	186	0	1	1	0	0	186	3	186	2	186	45	186	0
New Brunswick	1186	0	38	38	76	3	986	11	477	7	7	1	3	0	477	11	477	1	477	108	477	1
Atlantic	2072	0	49	44	93	5	1877	17	1161	27	10	8	4	0	1161	22	1161	6	1161	231	684	1
Région Nord-Est	505	0	0	1	1	1	468	12	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	996	0	0	7	7	2	1131	31	863	8	1	0	7	0	886	29	780	1	N.A.	N.A.	728	0
Centre-du-Québec	623	0	0	17	17	5	581	26	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	6069	0	0	78	78	15	5757	134	4612	79	11	34	17	0	4716	206	4485	23	N.A.	N.A.	4133	19
Ouest du Québec	638	0	0	8	8	5	213	16	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	570	0	0	9	9	3	570	16	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	9401	0	0	120	120	31	8720	235	5475	87	12	34	24	0	5602	235	5265	24	N.A.	N.A.	4861	19
Ottawa P.H.L.	125	0	1	0	1	0	122	0	122	0	0	0	0	0	122	1	119	0	14	6	10	1
CHEO - Ottawa	1317	0	0	11	11	2	1316	17	242	5	0	0	4	0	268	2	324	0	268	75	268	1
Kingston P.H.L.	205	0	3	0	3	0	191	0	191	5	0	0	1	0	191	4	174	0	56	7	22	0
UHN / Mount Sinai Hospital	1972	0	0	19	19	5	1972	27	210	3	0	0	4	0	0	0	188	2	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	3272	17	58	4	79	6	3146	36	3146	58	5	4	1	0	3146	27	3039	13	375	48	234	5
Sick Kids Hospital - Toronto	647	0	2	1	3	0	647	28	647	17	1	4	14	0	647	10	647	16	647	221	647	4
Sunnybrook & Women's College HSC	565	0	6	0	6	1	565	5	565	10	5	2	3	0	565	0	565	3	565	92	565	3
Sault Ste. Marie P.H.L.	71	0	0	0	0	0	68	0	68	0	0	0	1	0	68	0	66	0	15	3	12	0
Timmins P.H.L.	56	0	0	0	0	0	56	0	56	0	0	0	0	0	56	0	55	0	3	1	2	0
St. Joseph's - London	370	0	0	6	6	3	370	4	252	9	0	0	5	0	252	3	239	0	196	77	196	0
London P.H.L.	538	1	6	2	9	1	519	5	519	5	2	0	3	0	519	2	484	1	105	21	63	0
Orillia P.H.L.	169	0	2	1	3	0	156	0	156	2	0	1	0	0	156	1	154	1	18	4	11	0
Thunder Bay P.H.L.	129	0	0	0	0	0	128	0	128	0	1	1	0	0	128	0	127	2	4	0	3	0
Sudbury P.H.L.	250	0	6	5	11	3	234	2	234	2	0	0	0	0	233	1	219	0	28	1	13	0
Hamilton P.H.L.	601	4	3	0	7	1	582	7	582	12	1	1	3	0	582	8	547	2	104	21	64	2
Peterborough P.H.L.	347	0	3	0	3	0	331	6	331	4	0	1	0	0	331	1	328	3	47	12	44	2
Province of Ontario	10634	22	90	49	161	22	10403	137	7449	132	15	14	39	0	7264	60	7275	43	2445	589	2154	18
Manitoba	1743	0	17	4	21	0	1744	6	1345	13	2	0	1	0	1345	23	523	16	1345	202	523	1
Regina	2545	0	24	0	24	3	2545	12	2545	104	21	0	10	0	2545	58	2545	14	2545	1035	2545	8
Saskatoon	1025	0	0	17	17	2	1025	13	924	15	1	5	0	0	1025	23	1025	5	1025	310	1025	2
Province of Saskatchewan	3570	0	24	17	41	5	3570	25	3469	119	22	5	10	0	3570	81	3570	19	3570	1345	3570	10
Province of Alberta	7173	16	524	148	688	127	6144	0	6144	162	52	34	69	0	6144	117	6144	161	6144	1774	6144	36
Prairies	12486	16	565	169	750	132	11458	31	10958	294	76	39	80	0	11059	221	10237	196	11059	3321	10237	47
British Columbia	3307	14	141	26	181	32	3307	33	2229	65	12	12	39	0	2229	21	2229	25	1753	648	1753	14
Yukon	66	0	5	0	7	3	66	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	77	0	0	0	0	0	76	0	76	0	0	0	3	0	76	0	76	2	76	25	76	3
Nunavut	123	0	4	0	4	1	120	1	120	0	0	6	0	0	120	10	120	2	34	18	32	1
Territories	266	0	9	0	11	4	262	2	196	0	0	6	3	0	196	10	196	4	110	43	108	4
CANADA	38166	52	854	408	1314	226	36027	455	27468	605	125	113	189	0	27511	569	26363	298	16528	4832	19797	103

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

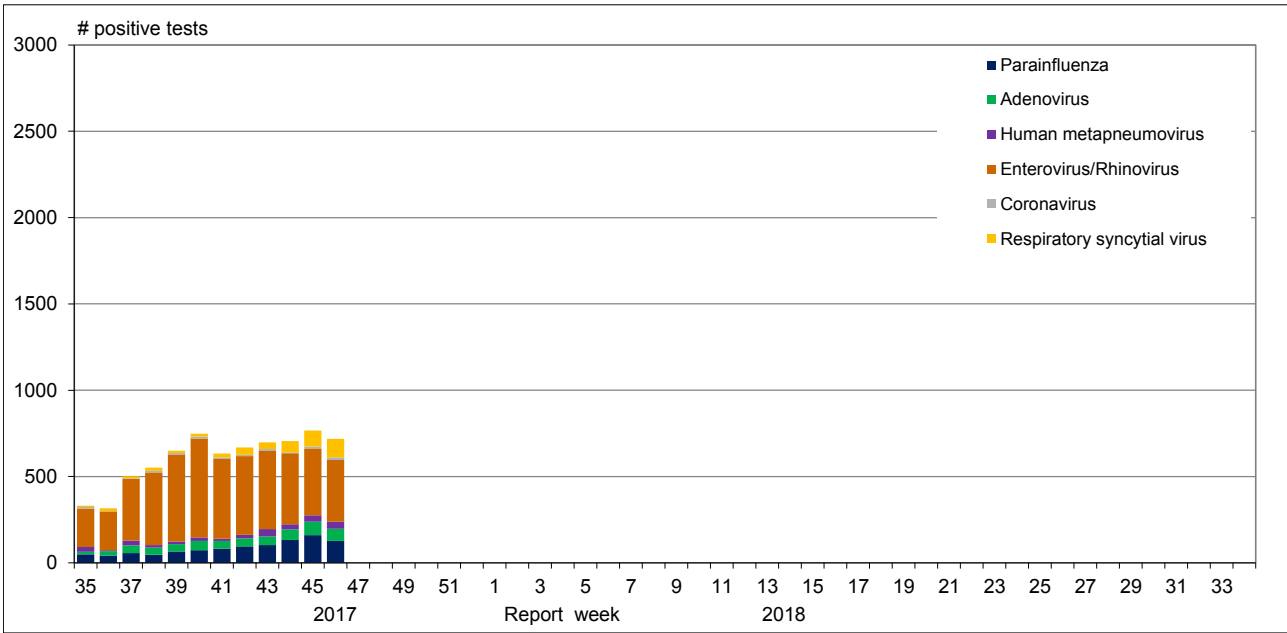


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

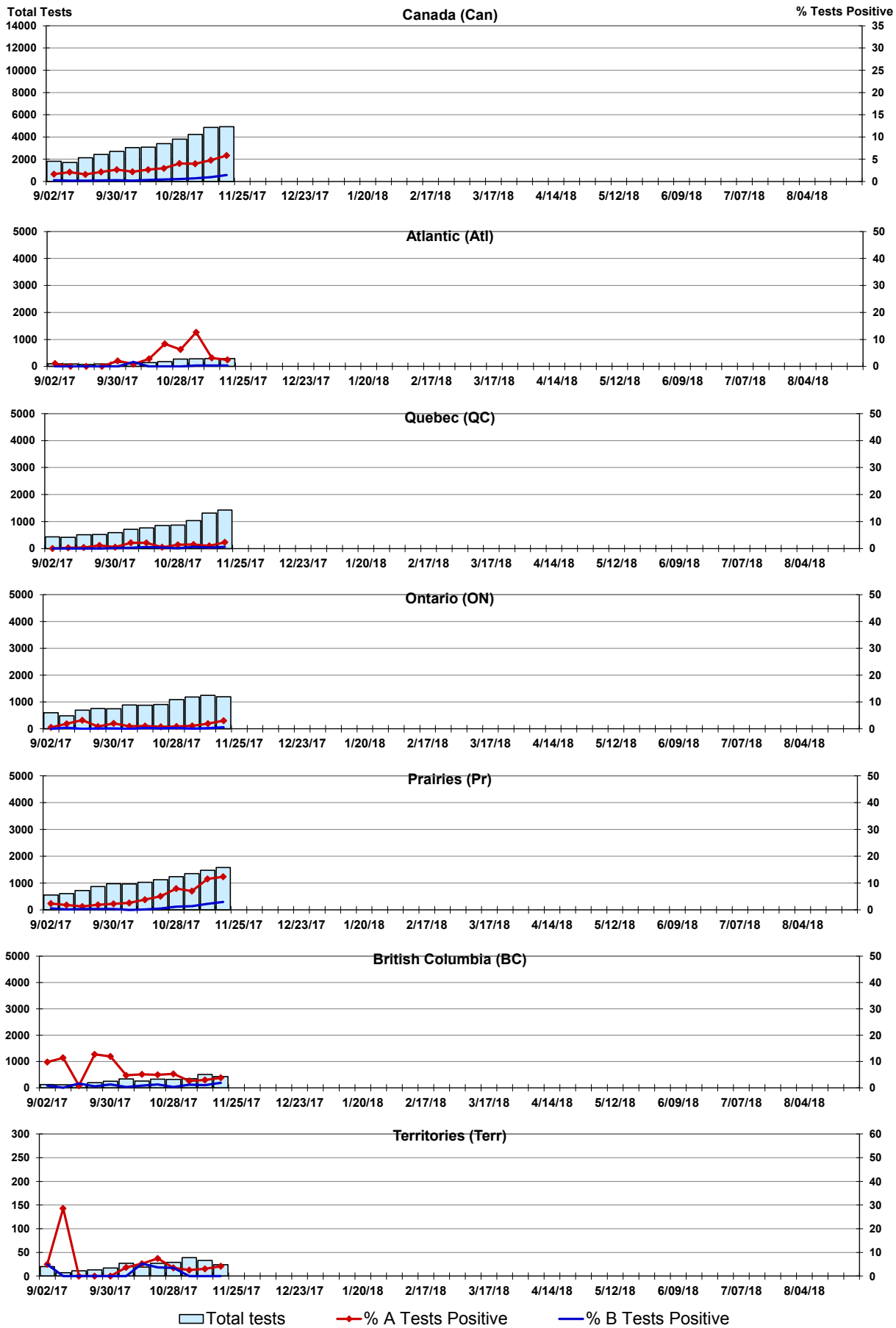


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

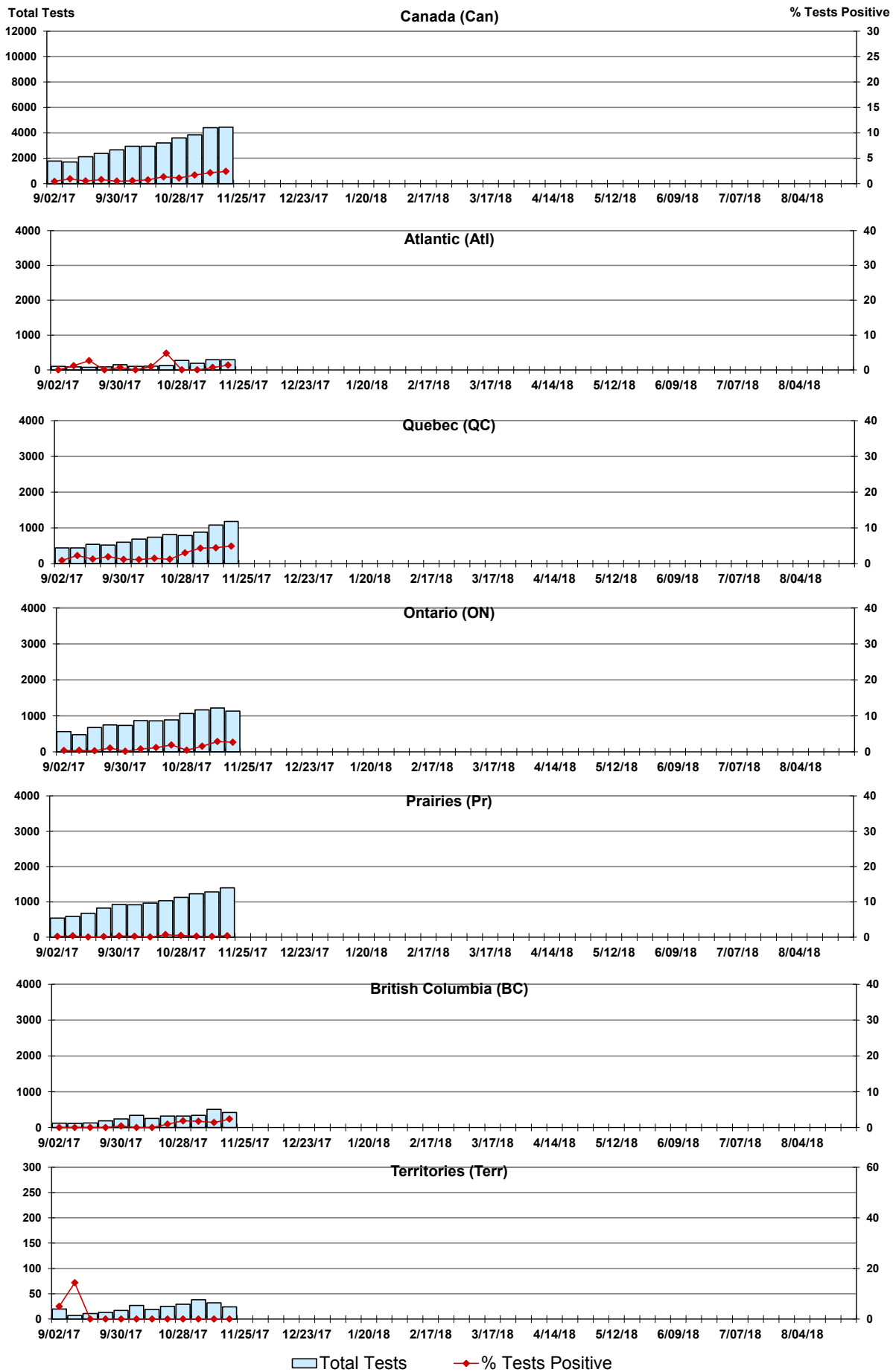


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

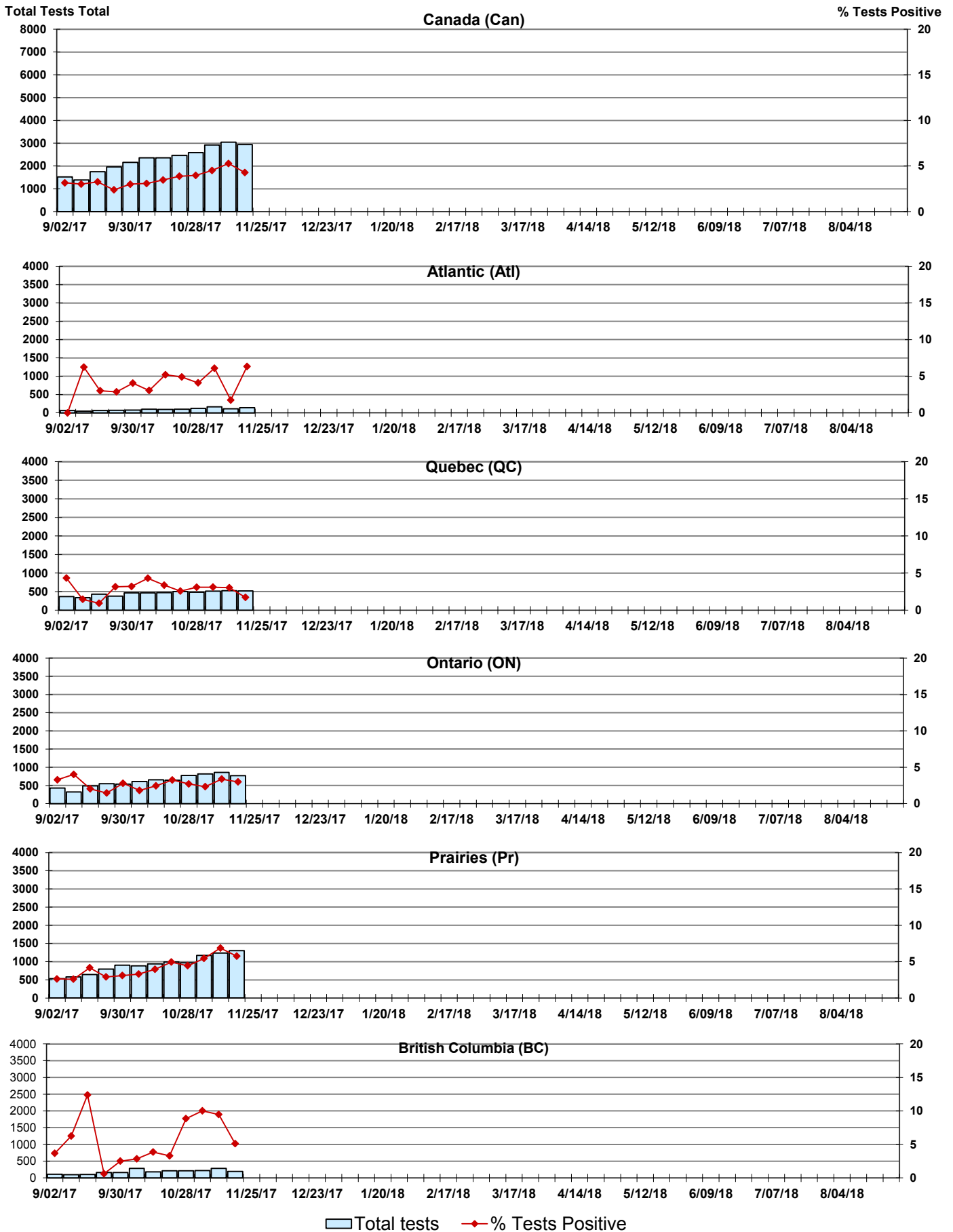


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

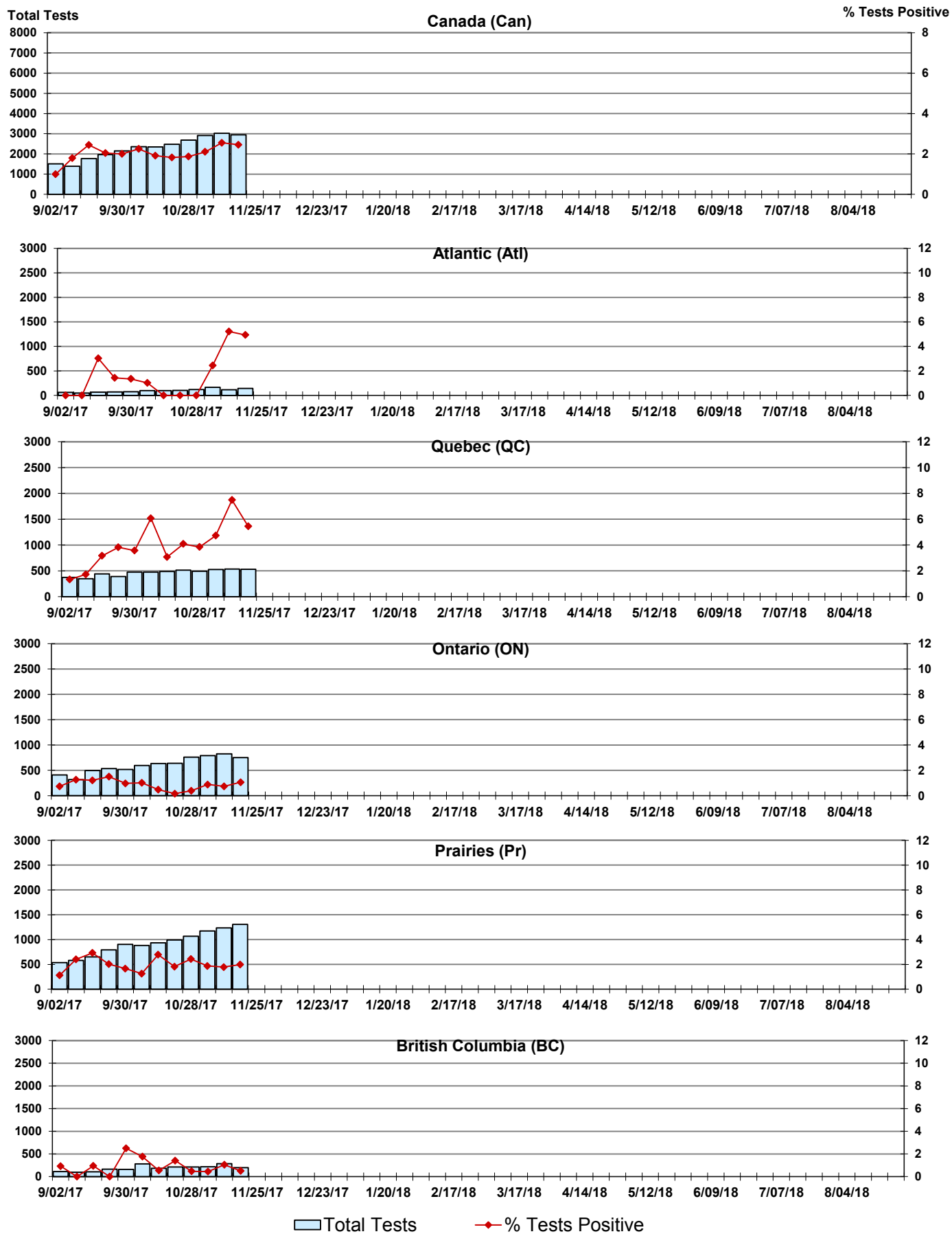


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

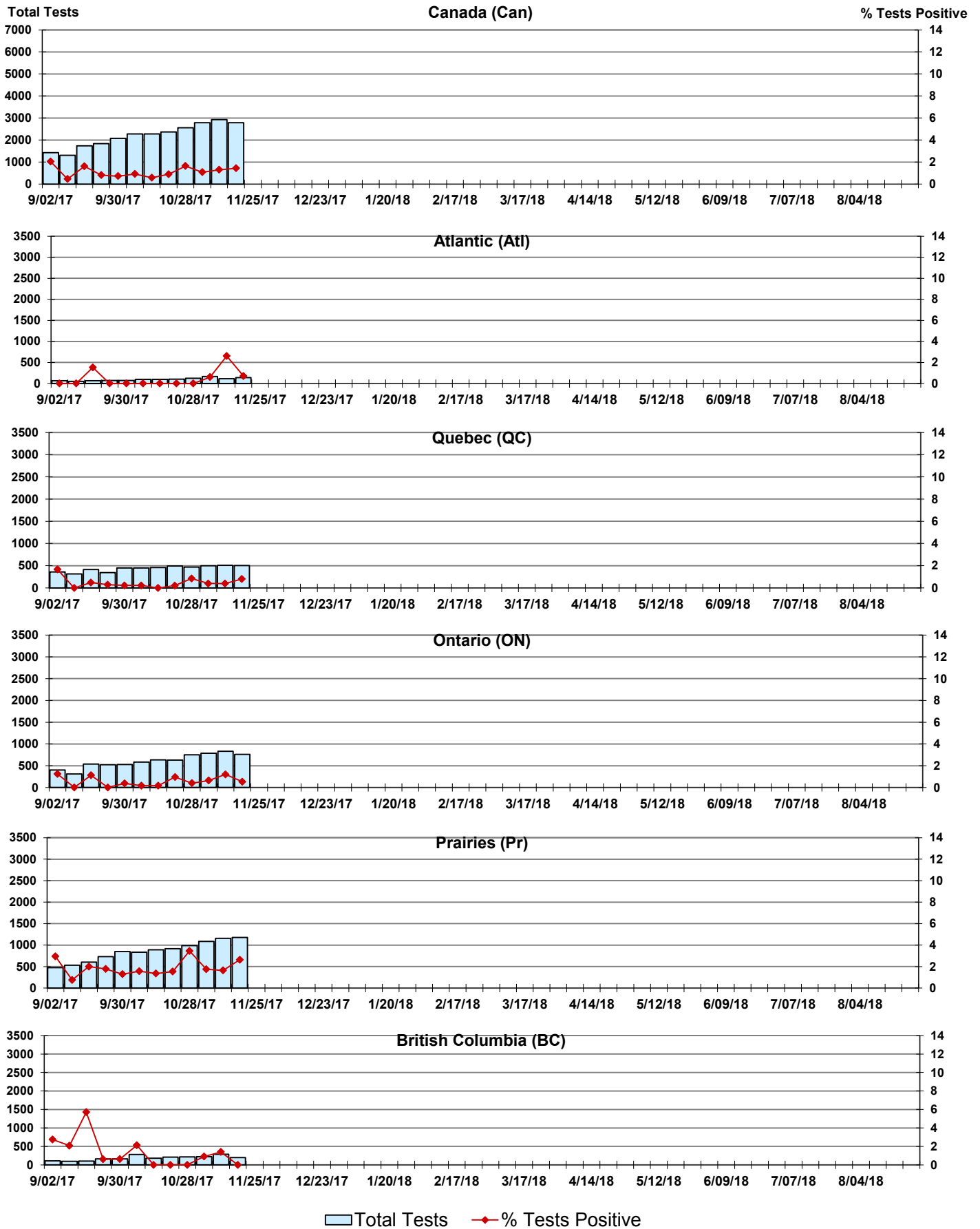


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

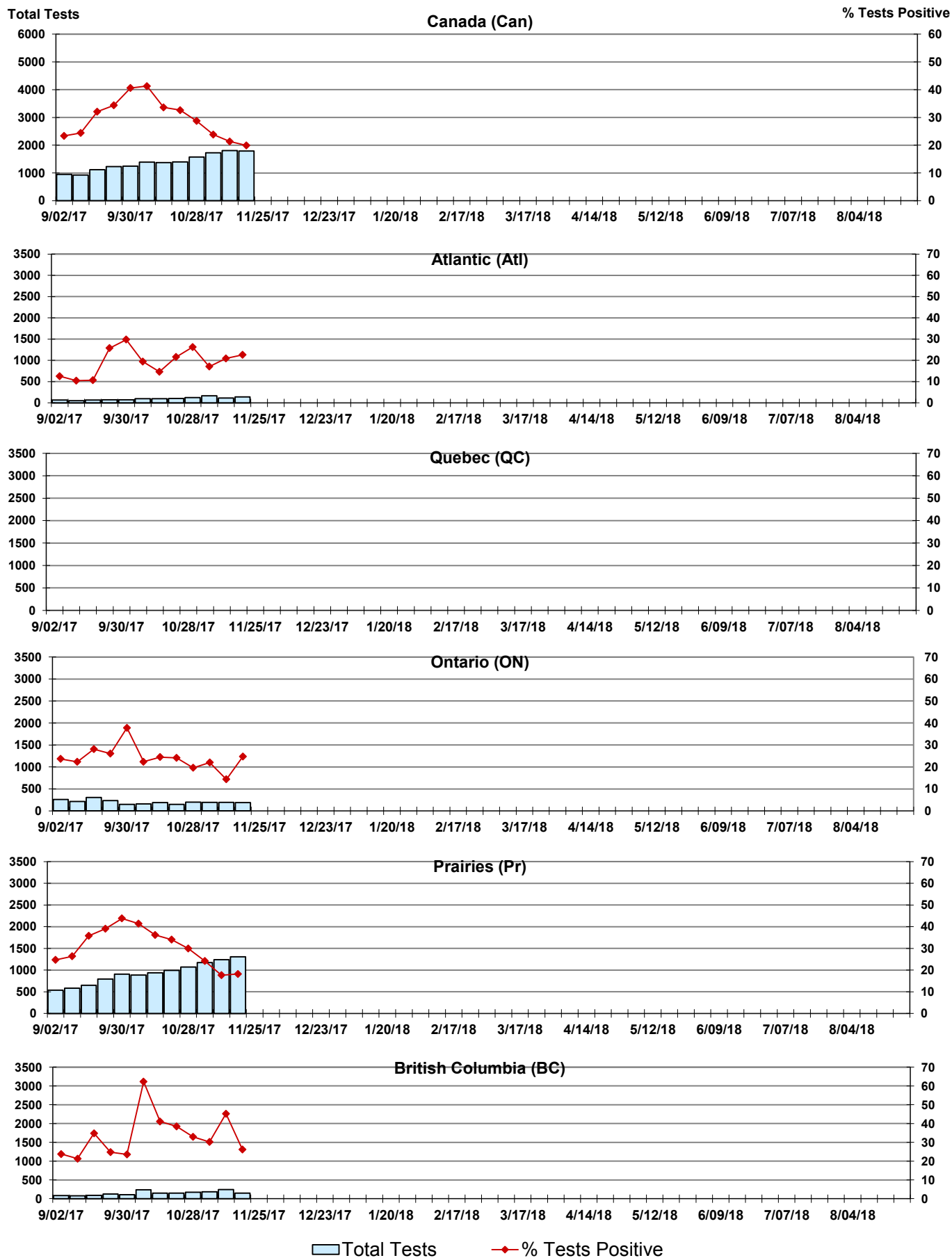
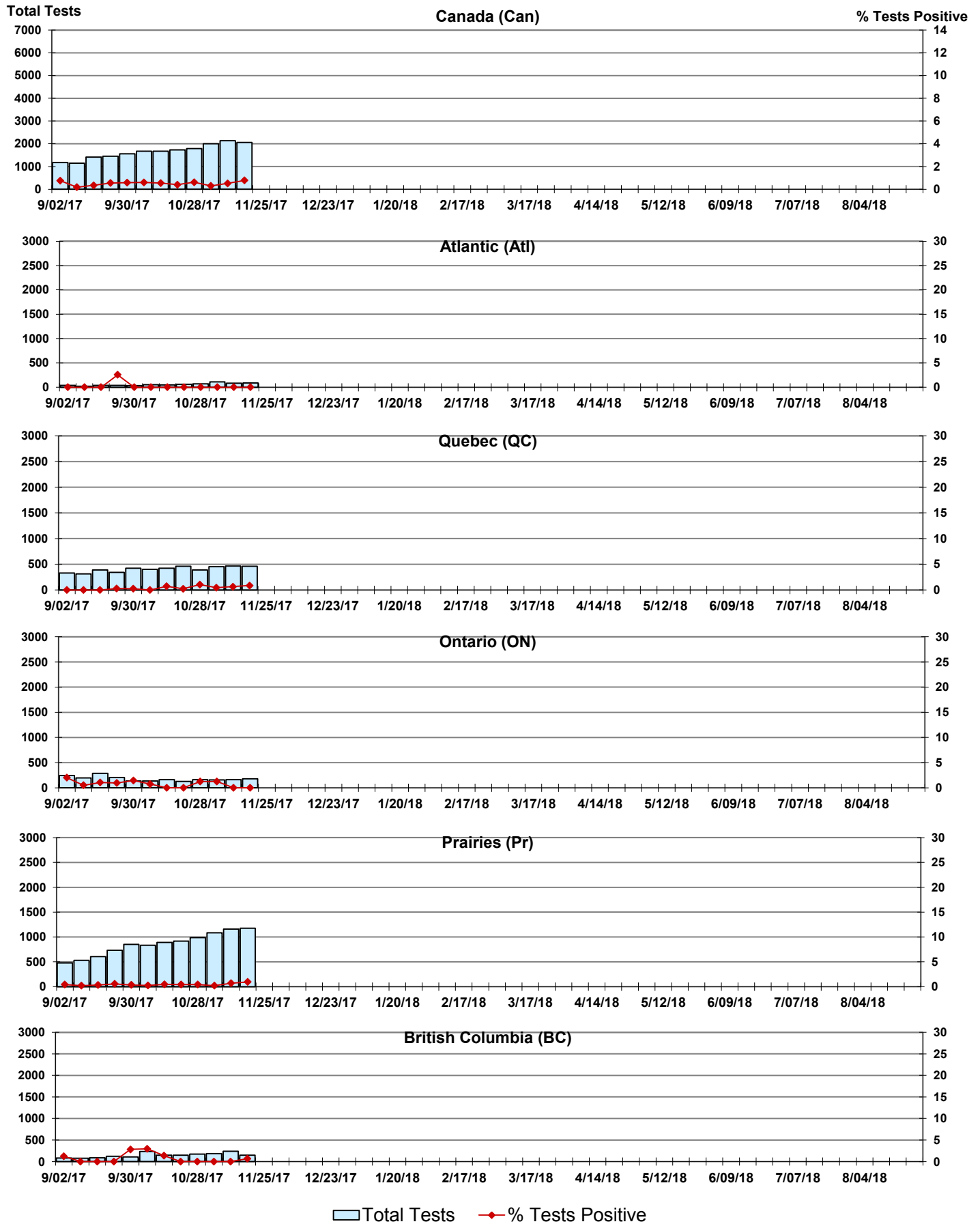


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.