

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 46 - ending November 17, 2018

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 17, 2018 (Reporting Week 201846)

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	59	0	0	1	1	0	59	6	59	0	0	2	0	0	59	0	59	0	59	6	N.A.	N.A.
Prince Edward Island	33	1	0	0	1	0	33	0	8	0	0	0	1	0	8	1	8	0	8	2	8	0
Nova Scotia	46	0	0	1	1	0	46	2	40	0	0	0	1	0	40	0	40	0	40	2	40	0
New Brunswick	129	1	0	0	1	0	129	0	68	0	2	1	0	0	68	3	68	0	68	7	68	0
Atlantic	267	2	0	2	4	0	267	8	175	0	2	3	2	0	175	4	175	0	175	17	116	0
Région Nord-Est	238	0	0	26	26	0	194	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	137	0	0	10	10	1	95	6	79	0	3	0	2	0	80	5	69	0	N.A.	N.A.	69	0
Centre-du-Québec	138	0	0	3	3	0	115	5	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	698	0	0	15	15	2	693	38	444	5	4	1	1	0	444	28	438	2	N.A.	N.A.	438	11
Ouest du Québec	133	0	0	9	9	0	106	7	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Monterégie	162	0	0	7	7	0	162	10	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	1506	0	0	70	70	3	1365	66	523	5	7	1	3	0	524	33	507	2	N.A.	N.A.	507	11
Ottawa P.H.L.	16	0	0	0	0	0	16	0	9	0	0	0	0	0	9	0	7	0	2	0	0	0
CHEO - Ottawa	178	0	0	1	1	2	178	3	19	0	0	0	0	0	19	0	19	0	19	2	19	0
Kingston P.H.L.	22	0	0	0	0	0	22	0	15	0	0	0	0	0	15	0	15	0	0	0	0	0
UHN / Mount Sinai Hospital	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	365	4	6	0	10	1	360	0	308	0	1	1	0	0	308	4	304	2	4	0	0	0
Sick Kids Hospital - Toronto	55	0	0	0	0	0	55	3	55	0	1	0	0	0	55	1	55	0	55	22	55	2
Sunnybrook & Women's College HSC	50	0	0	0	0	0	50	0	50	0	2	0	1	0	50	0	50	0	50	4	50	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.	11	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	10	0	0	0	0	0
St. Joseph's - London	100	0	0	1	1	0	100	5	40	0	0	0	2	0	40	0	40	2	23	5	23	0
London P.H.L.	100	7	0	0	7	0	93	0	78	0	0	0	0	0	78	0	76	0	2	0	0	0
Orillia P.H.L.	7	0	0	0	0	0	7	0	3	0	0	0	0	0	3	0	3	0	0	0	0	0
Thunder Bay P.H.L.	8	0	0	0	0	0	8	0	8	0	0	0	0	0	8	0	8	0	0	0	0	0
Sudbury P.H.L.	20	0	0	0	0	0	19	0	19	0	0	0	0	0	19	0	18	0	1	0	0	0
Hamilton P.H.L.	86	2	0	1	3	0	84	0	72	0	1	0	0	0	72	0	70	0	2	0	0	0
Peterborough P.H.L.	19	0	1	0	1	0	19	0	11	0	0	0	0	0	11	0	11	0	0	0	0	0
Province of Ontario	1044	13	7	3	23	3	1028	11	704	0	5	1	3	0	704	5	693	4	158	33	147	2
Manitoba	212	9	0	9	18	0	212	4	102	0	0	0	0	0	102	2	68	1	102	14	68	1
Regina	214	40	0	4	44	0	214	0	214	0	0	3	1	0	214	4	214	1	214	42	214	1
Saskatoon	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Province of Saskatchewan	214	40	0	4	44	0	214	0	214	0	0	3	1	0	214	4	214	1	214	42	214	1
Province of Alberta	1163	293	3	155	451	1	892	0	892	0	7	7	12	0	892	6	892	7	892	119	892	9
Prairies	1589	342	3	168	513	1	1318	4	3141	0	7	10	13	0	1208	12	1174	9	1208	175	1174	11
British Columbia	226	13	0	6	19	1	226	1	192	0	1	4	2	0	192	3	192	2	147	50	147	1
Yukon	6	0	0	0	0	0	6	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	4	0	0	4	0	8	0	8	0	0	0	0	0	8	0	8	0	8	1	8	0
Nunavut	1	1	0	0	1	0	1	0	1	0	0	0	0	0	1	0	1	0	1	0	1	0
Territories	15	5	0	0	5	0	15	0	9	0	0	0	0	0	9	0	9	0	9	1	9	0
CANADA	4647	375	10	249	634	8	4219	90	4744	5	22	19	23	0	2812	57	2750	17	1697	276	2100	25

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 26, 2018 - November 17, 2018 (Reporting Weeks 201835-201846)

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	523	1	0	2	3	1	523	14	523	0	1	12	0	0	523	8	523	0	523	104	N.A.	N.A.
Prince Edward Island	141	3	0	0	3	0	138	0	36	0	0	1	2	0	31	4	31	0	31	12	31	0
Nova Scotia	298	0	0	6	6	0	301	5	200	0	0	2	1	0	200	0	200	1	200	41	200	0
New Brunswick	1313	2	0	3	5	0	1311	7	577	0	8	3	5	0	577	34	577	0	577	141	577	1
Atlantic	2275	6	0	11	17	1	2273	26	1336	0	9	18	8	0	1331	46	1331	1	1331	298	808	1
Région Nord-Est	1051	0	0	59	59	0	886	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	908	0	0	46	46	2	996	25	786	1	21	3	4	0	809	32	716	1	N.A.	N.A.	715	0
Centre-du-Québec	703	0	0	5	5	3	680	14	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	6794	0	0	42	42	4	6896	165	5105	24	96	24	21	0	5105	165	4966	13	N.A.	N.A.	4967	35
Ouest du Québec	802	0	0	18	18	1	671	18	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	909	0	0	20	20	0	896	29	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	11167	0	0	190	190	10	11025	251	5891	25	117	27	25	0	5914	197	5682	14	N.A.	N.A.	5682	35
Ottawa P.H.L.	159	0	5	0	5	0	155	0	142	0	0	1	0	0	142	0	133	0	10	0	0	0
CHEO - Ottawa	1470	0	0	16	16	2	1470	18	270	0	6	3	0	0	270	12	270	1	270	96	270	1
Kingston P.H.L.	214	0	0	0	0	0	214	1	207	0	0	0	0	0	207	0	198	0	32	0	0	0
UHN / Mount Sinai Hospital	2155	0	0	18	18	4	2155	21	151	0	2	0	2	0	0	0	151	2	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	3289	19	27	1	47	14	3247	31	3150	9	32	9	0	0	3150	16	3073	8	155	0	0	0
Sick Kids Hospital - Toronto	578	4	2	0	6	0	578	24	578	2	14	7	10	0	578	15	578	4	578	225	578	10
Sunnybrook & Women's College HSC	530	2	2	0	4	0	530	1	530	0	3	3	1	0	530	0	530	3	530	84	530	8
Sault Ste. Marie P.H.L.	67	0	0	0	0	0	67	1	67	0	0	0	0	0	67	0	66	0	1	0	0	0
Timmins P.H.L.	59	0	0	0	0	0	58	0	58	0	1	2	0	0	58	0	54	0	7	0	0	0
St. Joseph's - London	463	1	0	1	2	0	463	7	328	0	1	3	4	0	328	10	328	4	297	104	287	1
London P.H.L.	677	11	0	0	11	1	661	9	633	0	7	1	0	0	633	3	610	1	37	0	0	0
Orillia P.H.L.	161	0	0	0	0	0	161	1	156	0	0	1	0	0	156	0	154	0	4	0	0	0
Thunder Bay P.H.L.	64	1	0	0	1	0	63	0	63	1	0	2	0	0	63	0	61	0	2	0	0	0
Sudbury P.H.L.	144	0	0	0	0	0	143	1	143	1	0	0	0	0	143	0	129	0	15	0	0	0
Hamilton P.H.L.	700	7	2	1	10	1	688	6	668	1	5	1	0	0	668	4	654	2	28	0	0	0
Peterborough P.H.L.	329	0	1	0	1	0	329	3	320	2	1	0	0	0	320	0	319	0	3	0	0	0
Province of Ontario	11059	45	39	37	121	22	10982	124	7464	16	72	33	17	0	7313	60	7308	25	1969	509	1665	20
Manitoba	2342	62	3	10	75	0	2323	15	1495	0	4	7	7	0	1495	16	676	2	1495	247	710	2
Regina	1970	121	6	10	137	0	1970	2	3903	0	14	14	13	0	1970	35	1970	2	1970	670	1970	1
Saskatoon	991	0	0	56	56	0	991	7	991	1	1	1	1	0	991	21	991	0	991	159	991	1
Province of Saskatchewan	2961	121	6	66	193	0	2961	9	4894	1	15	15	14	0	2961	56	2961	2	2961	829	2961	2
Province of Alberta	8162	846	31	477	1354	12	6775	0	6775	8	55	64	60	0	6775	99	6775	46	6775	1716	6775	36
Prairies	13465	1029	40	553	1622	12	12059	24	13164	9	74	86	81	0	11231	171	10412	50	11231	2792	10446	40
British Columbia	3377	47	36	28	111	3	3377	20	2525	3	18	45	37	0	2525	35	2525	5	2060	682	2060	15
Yukon	62	0	0	0	0	0	62	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	110	4	0	0	4	0	108	0	108	0	0	5	0	0	108	6	108	1	108	30	108	2
Nunavut	20	3	0	0	3	0	20	0	20	0	0	0	0	0	20	3	19	0	20	9	19	0
Territories	192	7	0	0	7	0	190	0	128	0	0	5	0	0	128	9	127	1	128	39	127	2
CANADA	41535	1134	115	819	2068	48	39906	445	30508	53	290	214	168	0	28442	518	27385	96	16719	4320	20788	113

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, 2018-19

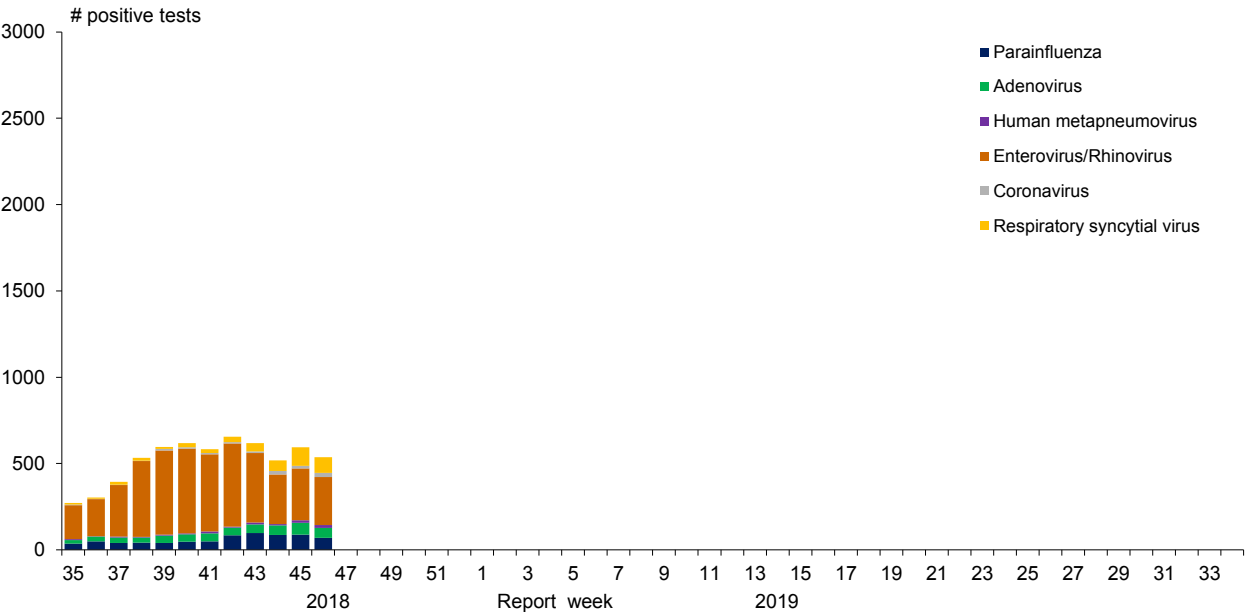


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

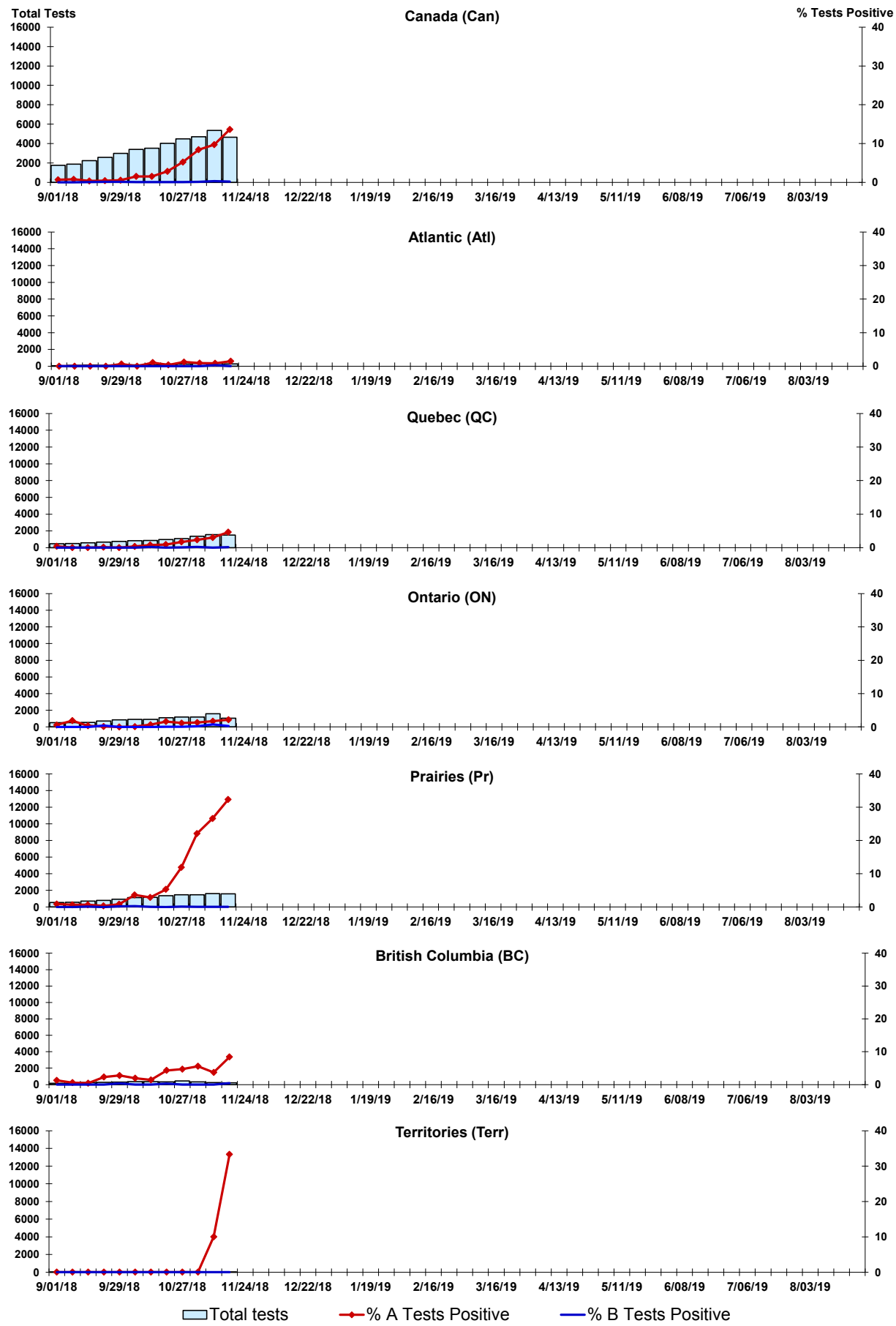


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

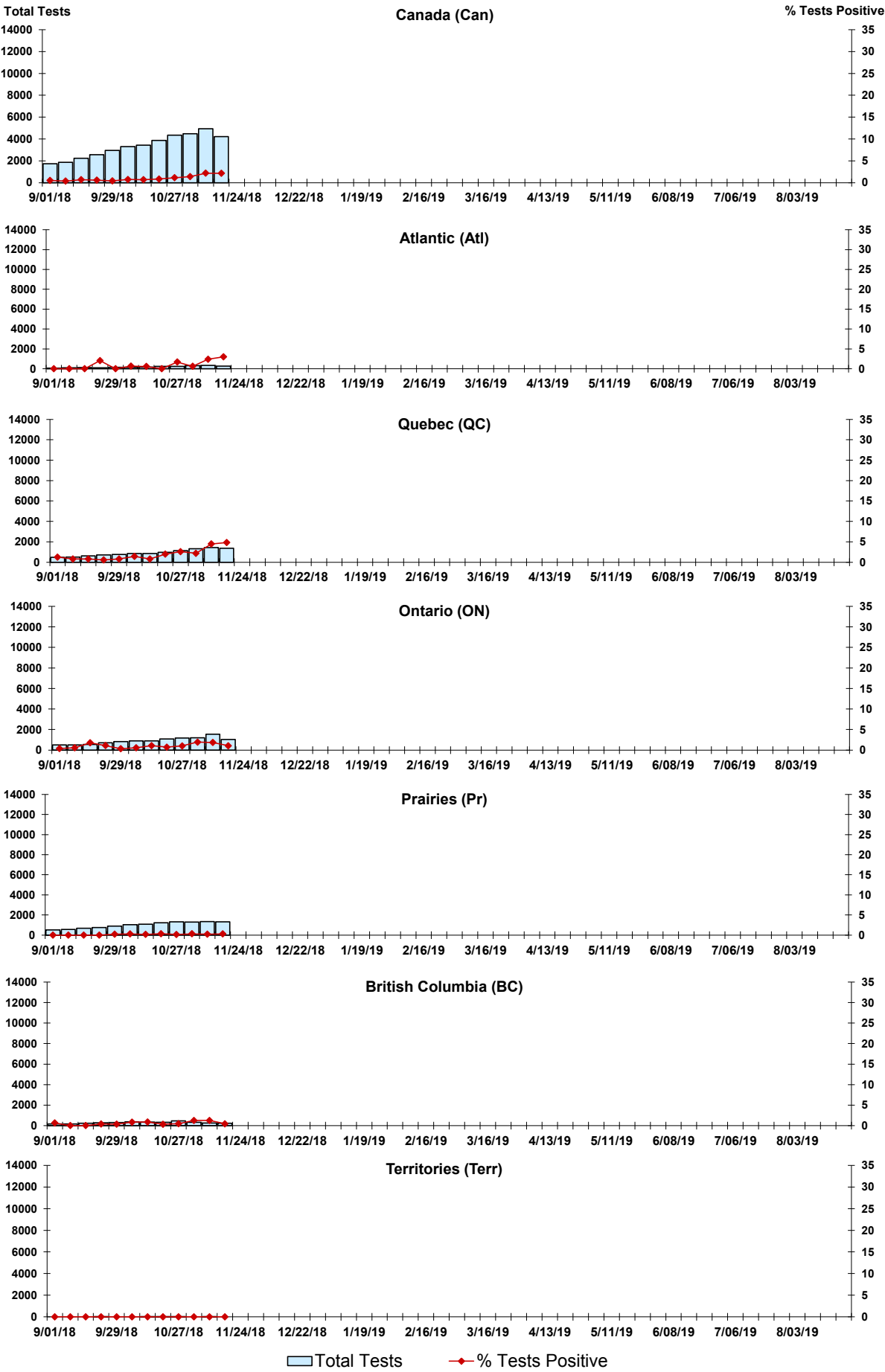


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

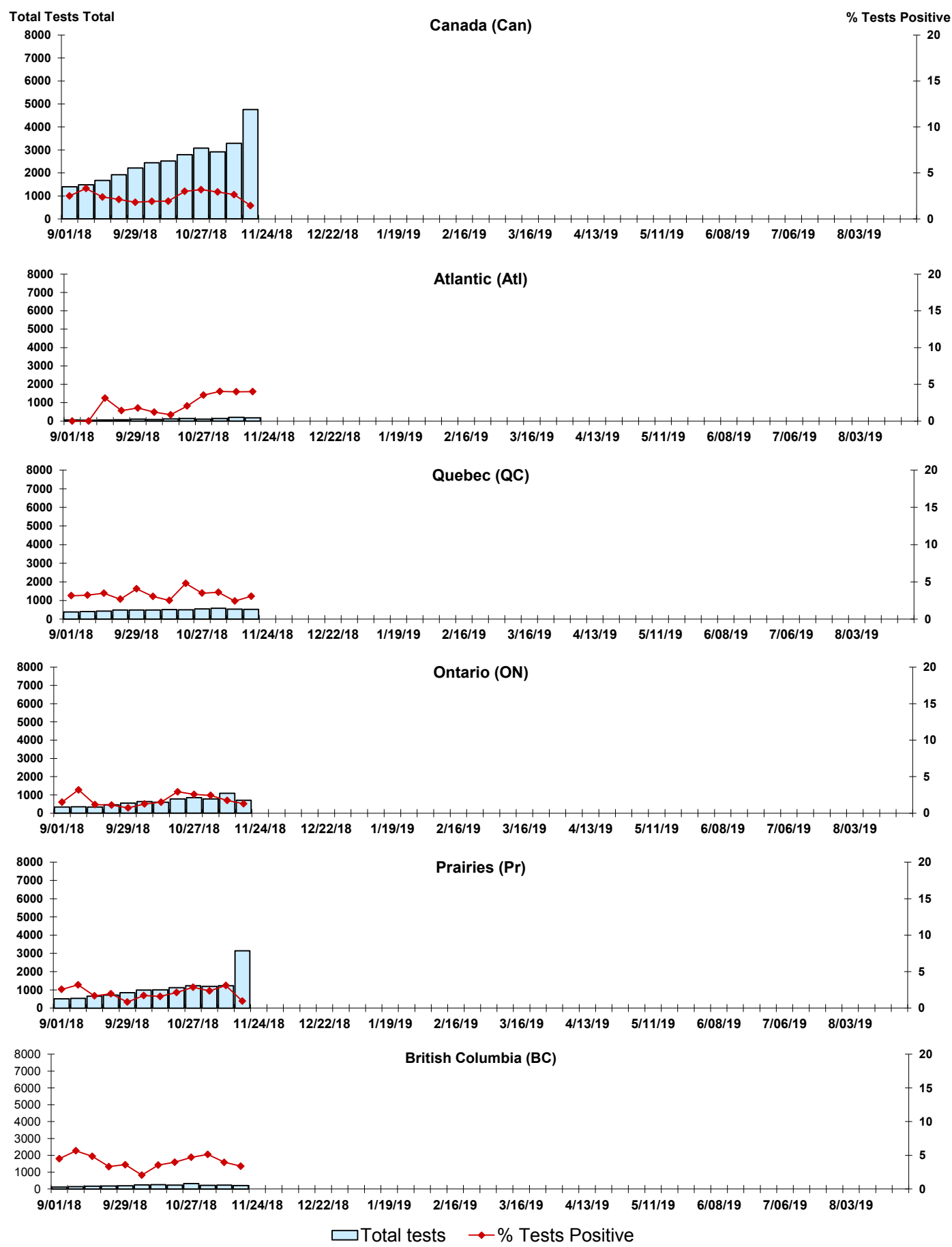


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

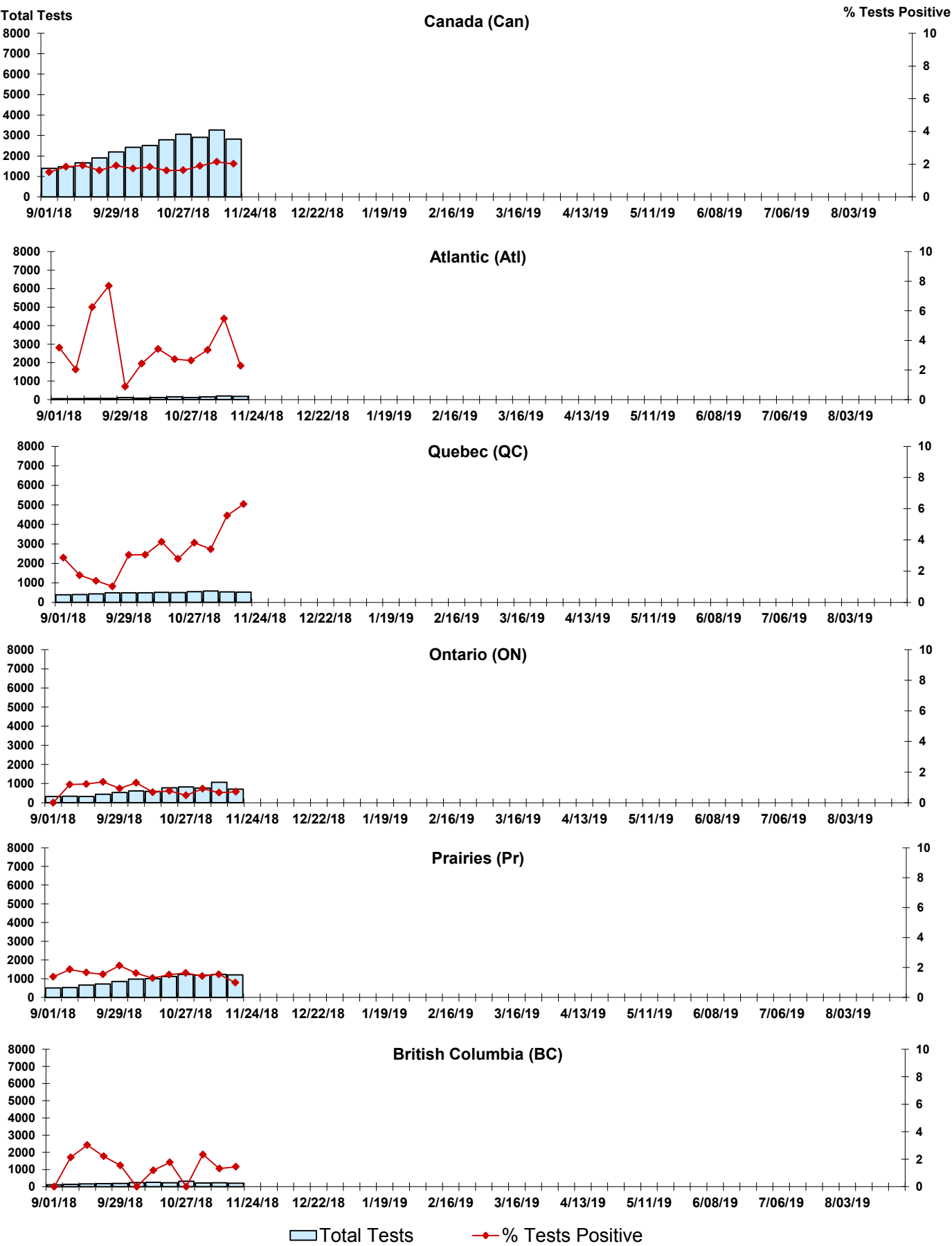


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

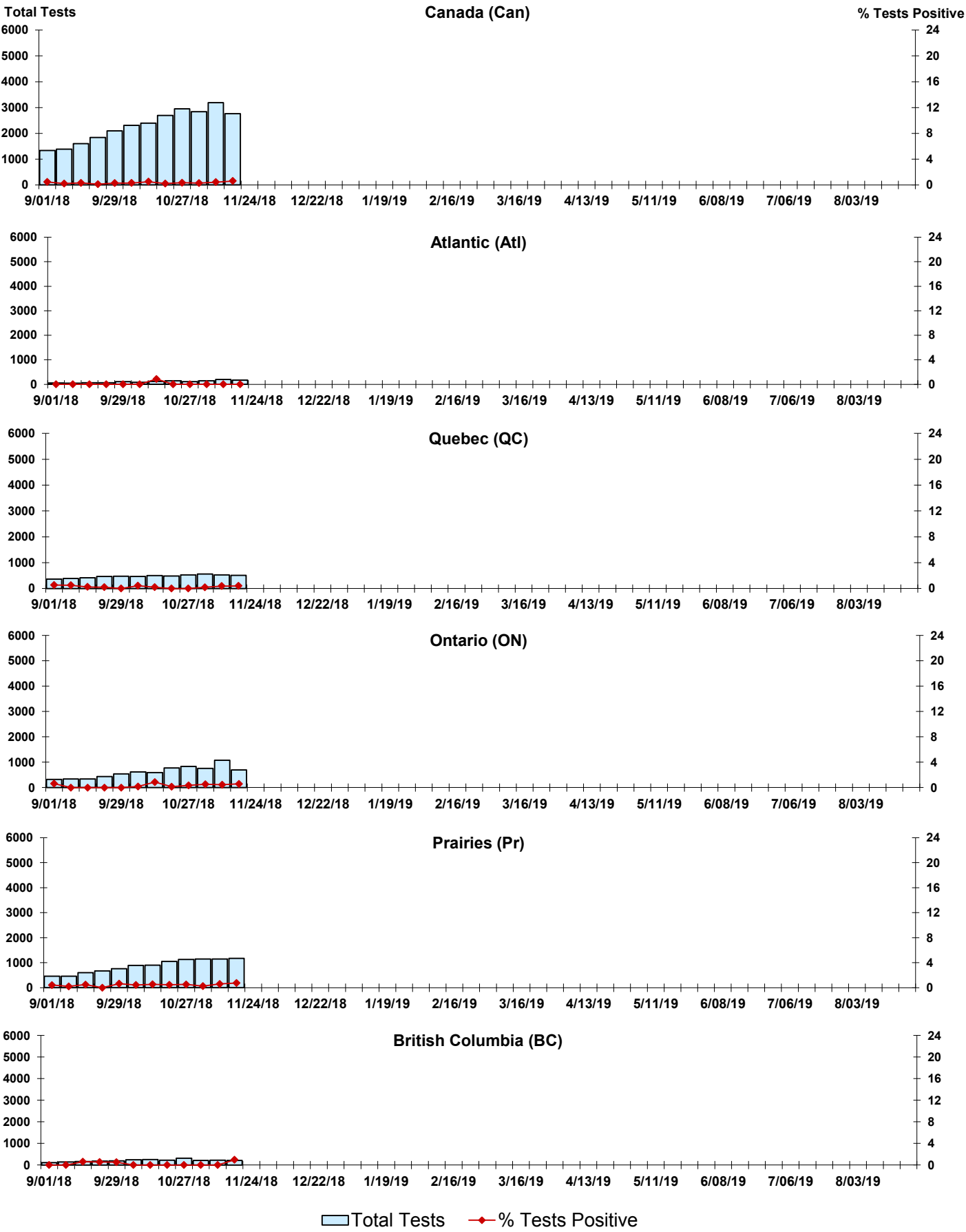


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

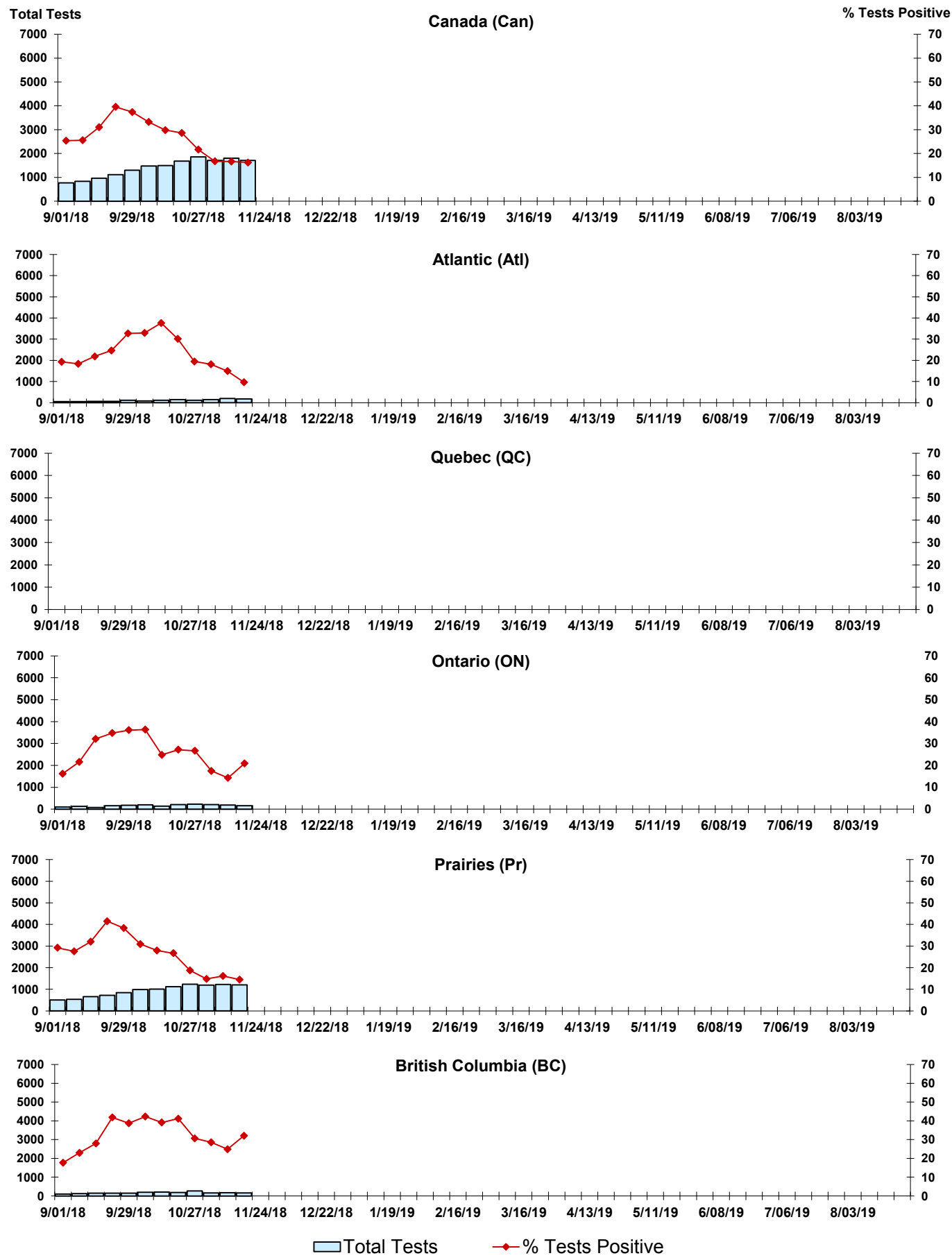
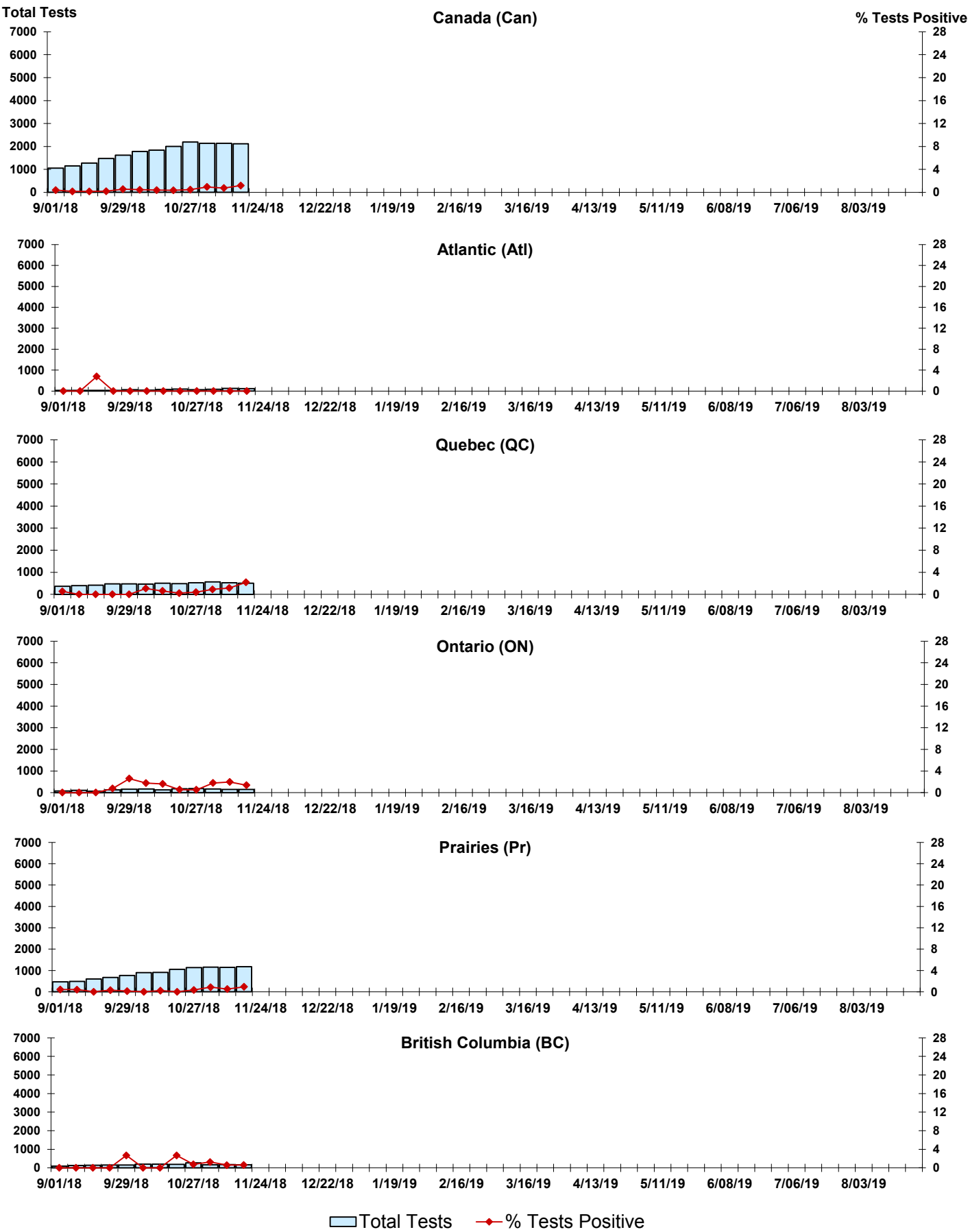


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.