

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 45 - ending November 10, 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 10, 2018 (Reporting Week 201845)

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	70	0	0	0	0	1	70	4	70	0	0	1	0	0	70	1	70	0	70	5	N.A.	N.A.
Prince Edward Island	27	1	0	0	1	0	27	0	1	0	0	0	1	0	1	1	1	0	1	0	1	0
Nova Scotia	72	0	0	2	2	0	72	2	53	0	0	1	0	0	53	0	53	0	53	9	53	0
New Brunswick	167	0	0	0	0	0	167	2	77	0	3	0	2	0	77	9	77	0	77	16	77	0
Atlantic	336	1	0	2	3	1	336	8	201	0	3	2	3	0	201	11	201	0	201	30	131	0
Région Nord-Est	195	0	0	10	10	0	162	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	198	0	0	17	17	0	142	12	79	0	1	1	0	0	85	2	76	0	N.A.	N.A.	76	0
Centre-du-Québec	104	0	0	0	0	0	103	4	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	730	0	0	7	7	1	710	40	455	0	8	1	2	0	455	28	448	2	N.A.	N.A.	448	6
Ouest du Québec	145	0	0	4	4	0	123	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Monterégie	179	0	0	9	9	0	179	5	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	1551	0	0	47	47	1	1419	64	534	0	9	2	2	0	540	30	524	2	N.A.	N.A.	524	6
Ottawa P.H.L.	26	0	1	0	1	0	26	0	16	0	0	0	0	0	16	0	14	0	2	0	0	0
CHEO - Ottawa	150	0	0	0	0	0	150	4	24	0	0	0	0	0	24	0	24	0	24	6	24	0
Kingston P.H.L.	31	0	0	0	0	0	31	1	30	0	0	0	0	0	30	0	28	0	2	0	0	0
UHN / Mount Sinai Hospital	237	0	0	4	4	2	237	7	21	0	0	0	0	0	0	0	21	1	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	583	6	8	1	15	8	575	6	510	1	3	1	0	0	510	3	507	1	4	0	0	0
Sick Kids Hospital - Toronto	48	0	1	0	1	0	48	6	48	0	2	1	1	0	48	0	48	0	48	10	48	3
Sunnybrook & Women's College HSC	55	0	0	0	0	0	55	0	55	0	1	0	0	0	55	0	55	1	55	5	55	0
Sault Ste. Marie P.H.L.	7	0	0	0	0	0	7	1	7	0	0	0	0	0	7	0	7	0	0	0	0	0
Timmins P.H.L.	13	0	0	0	0	0	13	0	13	0	0	1	0	0	13	0	13	0	0	0	0	0
St. Joseph's - London	103	0	0	0	0	0	103	1	46	0	0	0	1	0	46	3	46	0	46	6	25	0
London P.H.L.	109	3	0	0	3	1	107	2	94	0	2	0	0	0	94	1	92	1	2	0	0	0
Orillia P.H.L.	20	0	0	0	0	0	20	1	16	0	0	0	0	0	16	0	16	0	0	0	0	0
Thunder Bay P.H.L.	15	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	14	0	0	0	0	0
Sudbury P.H.L.	28	0	0	0	0	0	28	0	27	0	0	0	0	0	27	0	27	0	1	0	0	0
Hamilton P.H.L.	98	1	1	1	3	1	97	0	88	0	2	0	0	0	88	0	88	1	0	0	0	0
Peterborough P.H.L.	46	0	0	0	0	0	46	0	38	1	0	0	0	0	38	0	38	0	0	0	0	0
Province of Ontario	1569	10	11	6	27	12	1557	29	1047	2	10	3	2	0	1026	7	1038	5	184	27	152	3
Manitoba	274	4	0	12	16	0	274	3	159	0	0	0	0	0	4	4	78	1	159	14	78	0
Regina	193	18	0	2	20	0	193	0	193	0	2	1	2	0	193	0	193	1	193	53	193	0
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	193	18	0	2	20	0	193	0	193	0	2	1	2	0	193	0	193	1	193	53	193	0
Province of Alberta	1106	235	4	132	371	1	852	0	852	1	7	13	10	0	852	13	852	5	852	128	852	6
Prairies	1573	257	4	146	407	1	1319	3	1204	1	9	14	12	0	1049	17	1123	7	1204	195	1123	6
British Columbia	242	7	2	0	9	0	242	3	209	0	1	5	3	0	209	3	209	0	155	40	155	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	0	0	0	0	0	8	0	8	0	0	0	0	0	8	0	8	0	8	1	8	0
Nunavut	3	1	0	0	1	0	3	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
Territories	17	1	0	0	1	0	17	0	11	0	0	0	0	0	11	0	11	0	11	1	11	0
CANADA	5288	276	17	201	494	15	4890	107	3206	3	32	26	22	0	3036	68	3106	14	1755	293	2096	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 26, 2018 - November 10, 2018 (Reporting Weeks 201835-201845)

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	464	1	0	1	2	1	464	8	464	0	1	10	0	0	464	8	464	0	464	98	N.A.	N.A.
Prince Edward Island	108	2	0	0	2	0	105	0	28	0	0	1	1	0	23	3	23	0	23	10	23	0
Nova Scotia	252	0	0	5	5	0	255	3	160	0	0	2	0	0	160	0	160	1	160	39	160	0
New Brunswick	1184	1	0	3	4	0	1182	7	509	0	6	2	5	0	509	31	509	0	509	134	509	1
Atlantic	2008	4	0	9	13	1	2006	18	1161	0	7	15	6	0	1156	42	1156	1	1156	281	692	1
Région Nord-Est	811	0	0	33	33	0	690	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	771	0	0	36	36	1	901	19	707	1	18	3	2	0	729	27	647	1	N.A.	N.A.	646	0
Centre-du-Québec	556	0	0	2	2	3	556	9	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	6096	0	0	27	27	2	6203	127	4661	19	92	23	20	0	4661	137	4528	11	N.A.	N.A.	4529	24
Ouest du Québec	669	0	0	9	9	1	565	11	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	747	0	0	13	13	0	734	19	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	9650	0	0	120	120	7	9649	185	5368	20	110	26	22	0	5390	164	5175	12	N.A.	N.A.	5175	24
Ottawa P.H.L.	143	0	5	0	5	0	139	0	129	0	0	1	0	0	129	0	122	0	8	0	0	0
CHEO - Ottawa	1292	0	0	15	15	0	1292	15	251	0	6	3	0	0	251	12	251	1	251	94	251	1
Kingston P.H.L.	192	0	0	0	0	0	192	1	191	0	0	0	0	0	191	0	182	0	29	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	2923	15	21	1	37	13	2886	31	2821	9	30	8	0	0	2821	12	2749	6	140	0	0	0
Sick Kids Hospital - Toronto	523	4	2	0	6	0	523	21	523	2	13	7	10	0	523	14	523	4	523	203	523	8
Sunnybrook & Women's College HSC	480	2	2	0	4	0	480	1	480	0	1	3	0	0	480	0	480	3	480	80	480	8
Sault Ste. Marie P.H.L.	60	0	0	0	0	0	60	1	60	0	0	0	0	0	60	0	59	0	1	0	0	0
Timmins P.H.L.	48	0	0	0	0	0	48	0	48	0	1	2	0	0	48	0	44	0	7	0	0	0
St. Joseph's - London	363	1	0	0	1	0	363	2	288	0	1	3	2	0	288	10	288	2	274	99	264	1
London P.H.L.	577	4	0	0	4	1	568	9	555	0	7	1	0	0	555	3	534	1	35	0	0	0
Orillia P.H.L.	152	0	0	0	0	0	152	1	148	0	0	0	0	0	148	0	146	0	4	0	0	0
Thunder Bay P.H.L.	56	1	0	0	1	0	54	0	54	1	0	2	0	0	54	0	52	0	2	0	0	0
Sudbury P.H.L.	124	0	0	0	0	0	124	1	123	1	0	0	0	0	123	0	110	0	14	0	0	0
Hamilton P.H.L.	614	4	2	1	7	1	605	6	596	1	4	1	0	0	596	4	583	2	25	0	0	0
Peterborough P.H.L.	310	0	0	0	0	0	310	3	302	2	1	0	0	0	302	0	301	0	3	0	0	0
Province of Ontario	10012	31	32	35	98	19	9951	113	6720	16	66	31	14	0	6569	55	6575	21	1796	476	1518	18
Manitoba	2130	41	2	14	57	0	2111	11	1393	0	4	7	7	0	1238	14	608	1	1393	233	642	1
Regina	1756	81	6	6	93	0	1756	2	1756	0	14	11	12	0	1756	31	1756	1	1756	628	1756	0
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	2747	81	6	62	149	0	2747	9	2747	1	15	12	13	0	2747	52	2747	1	2747	787	2747	1
Province of Alberta	6944	547	28	302	877	11	5860	0	5860	8	48	56	47	0	5860	91	5860	39	5860	1594	5860	27
Prairies	11821	669	36	378	1083	11	10718	20	10000	9	67	75	67	0	9845	157	9215	41	10000	2614	9249	29
British Columbia	3151	34	36	22	92	2	3151	19	2318	3	17	41	35	0	2318	32	2318	3	1898	630	1898	14
Yukon	56	0	0	0	0	0	56	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	100	0	0	0	0	0	99	0	99	0	0	5	0	0	99	6	99	1	99	28	99	2
Nunavut	18	1	0	0	1	0	18	0	18	0	0	0	0	0	18	3	17	0	18	9	17	0
Territories	174	1	0	0	1	0	173	0	117	0	0	5	0	0	117	9	116	1	117	37	116	2
CANADA	36816	739	104	564	1407	40	35648	355	25684	48	267	193	144	0	25395	459	24555	79	14967	4038	18648	88

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

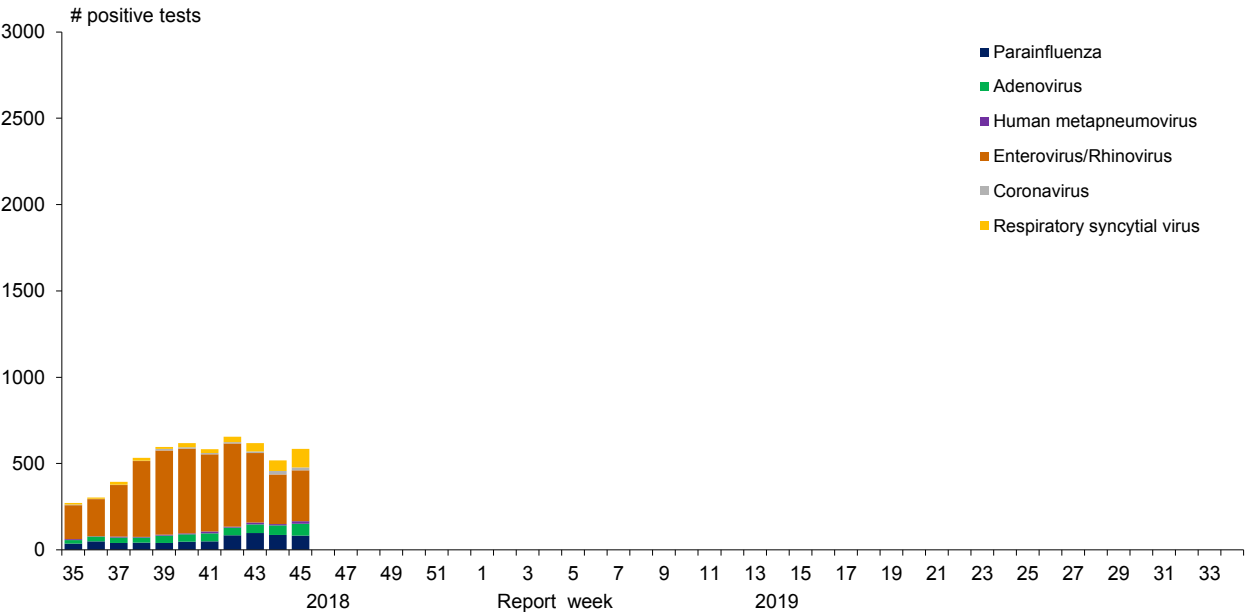


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

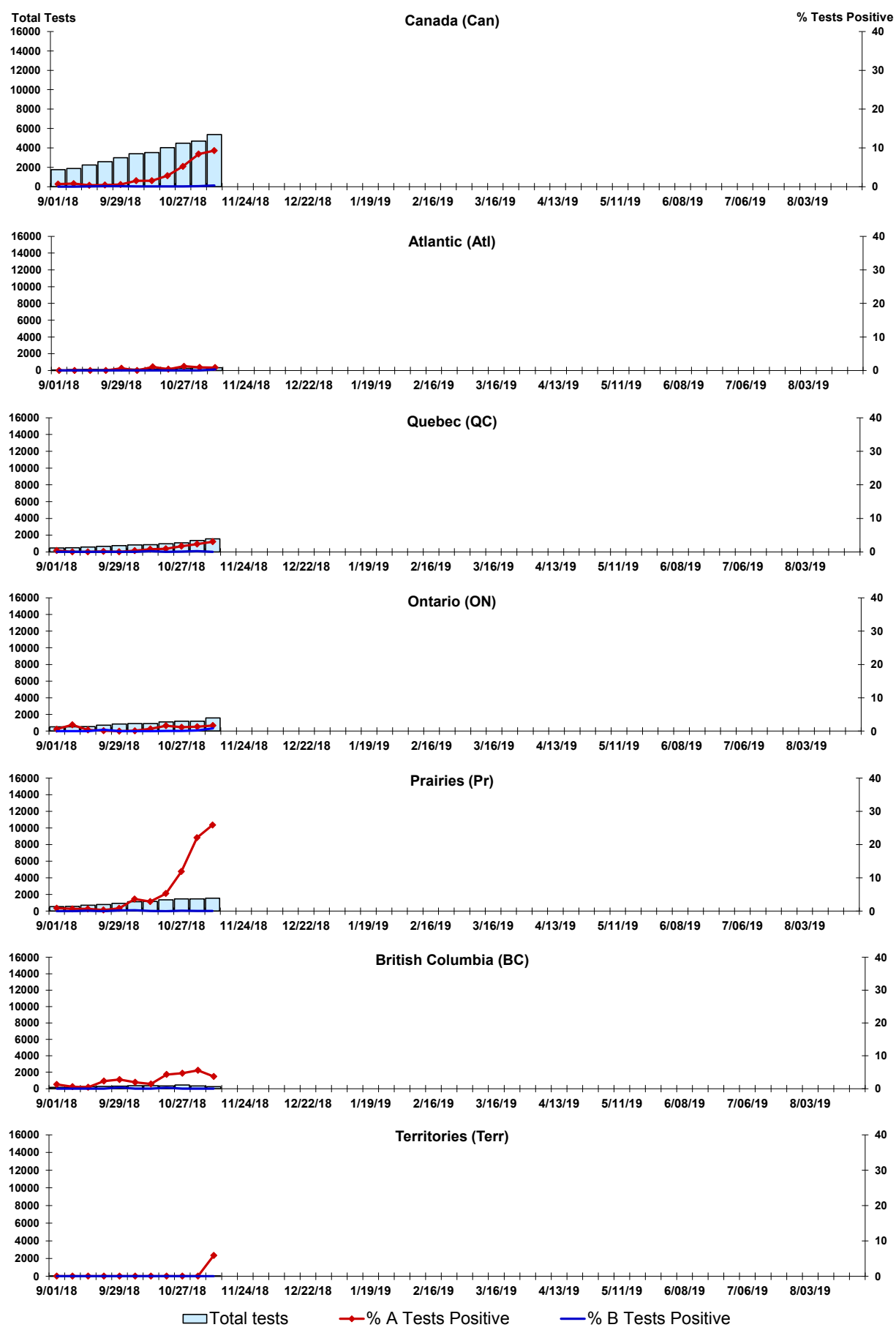


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

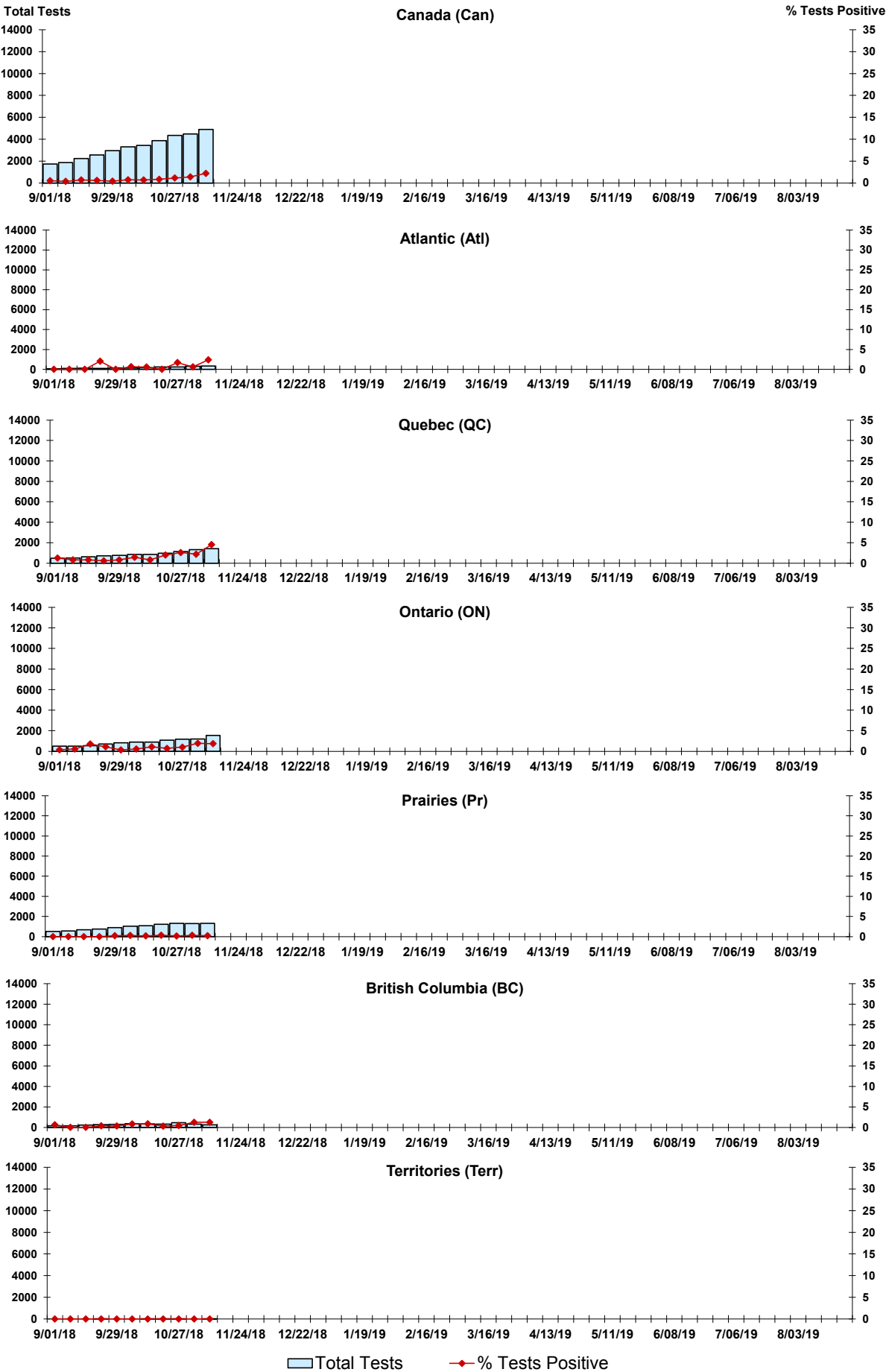


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

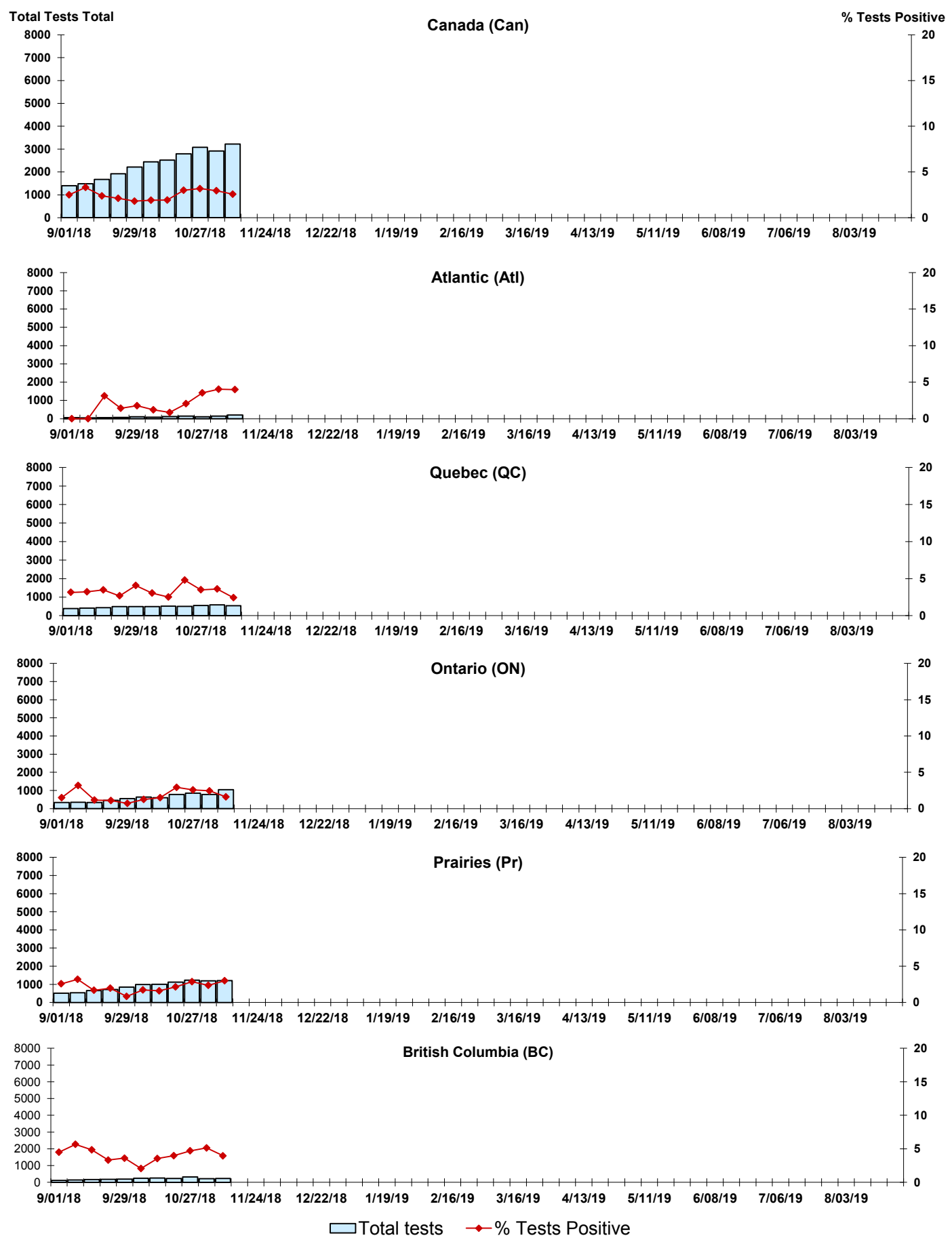


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

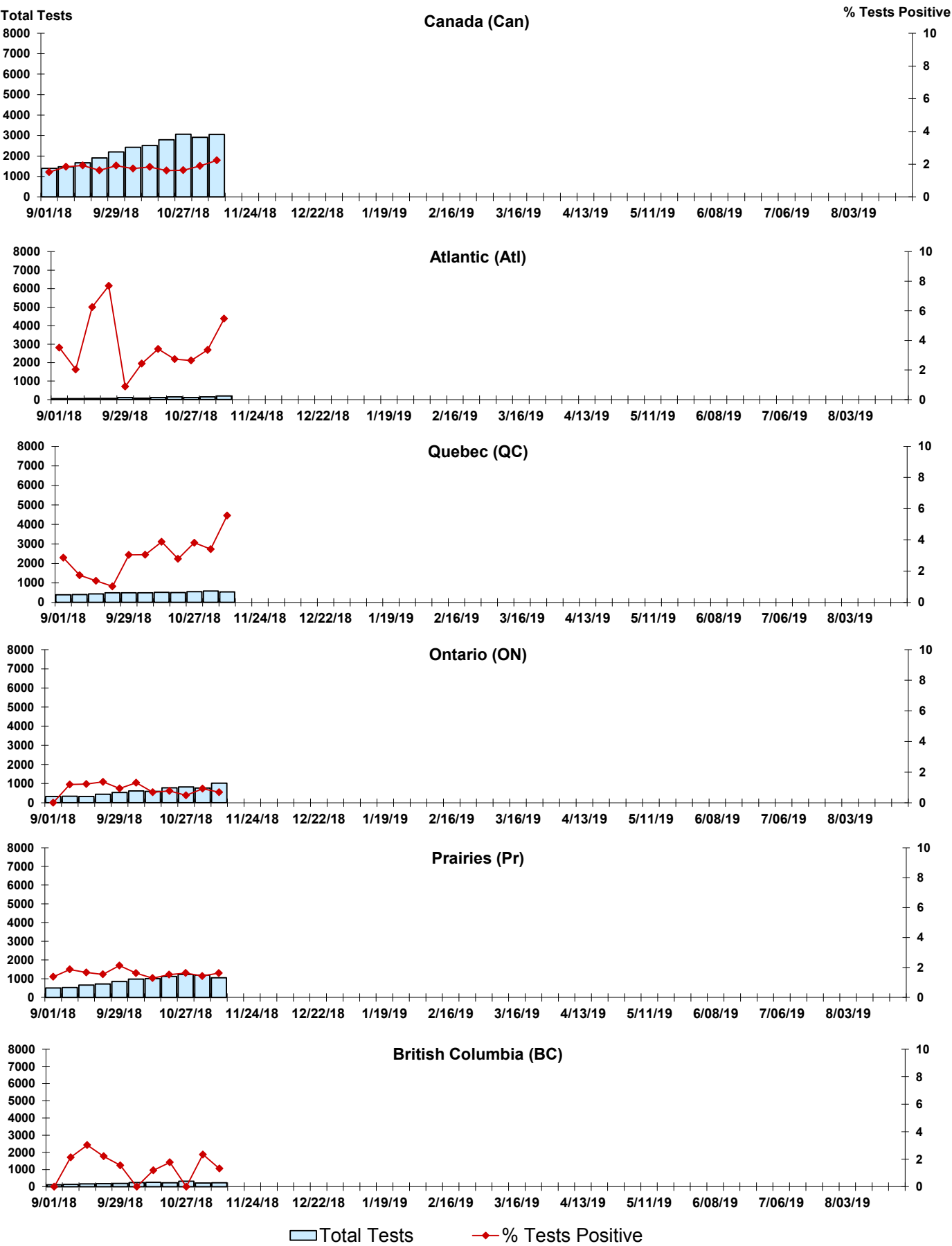


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

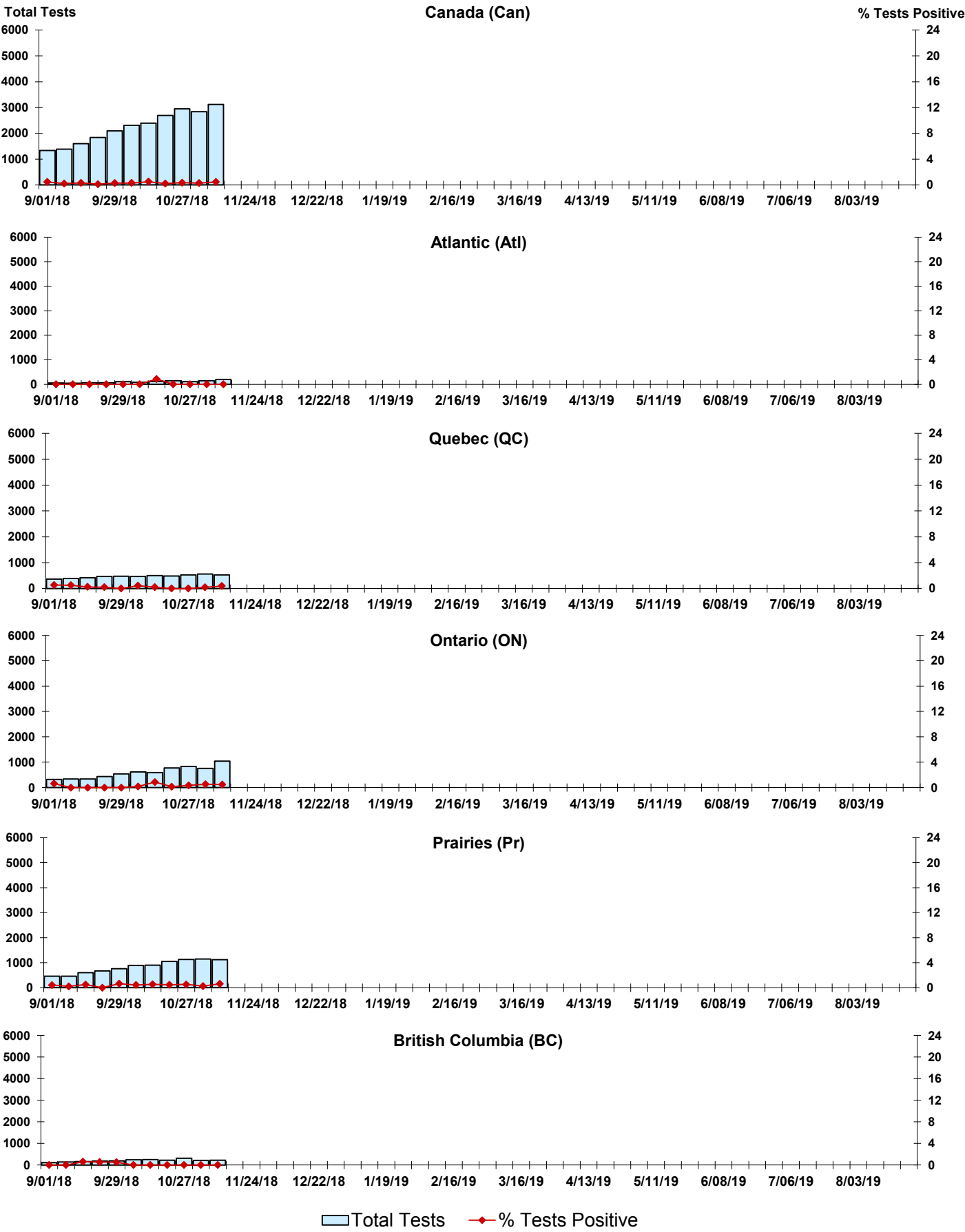


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

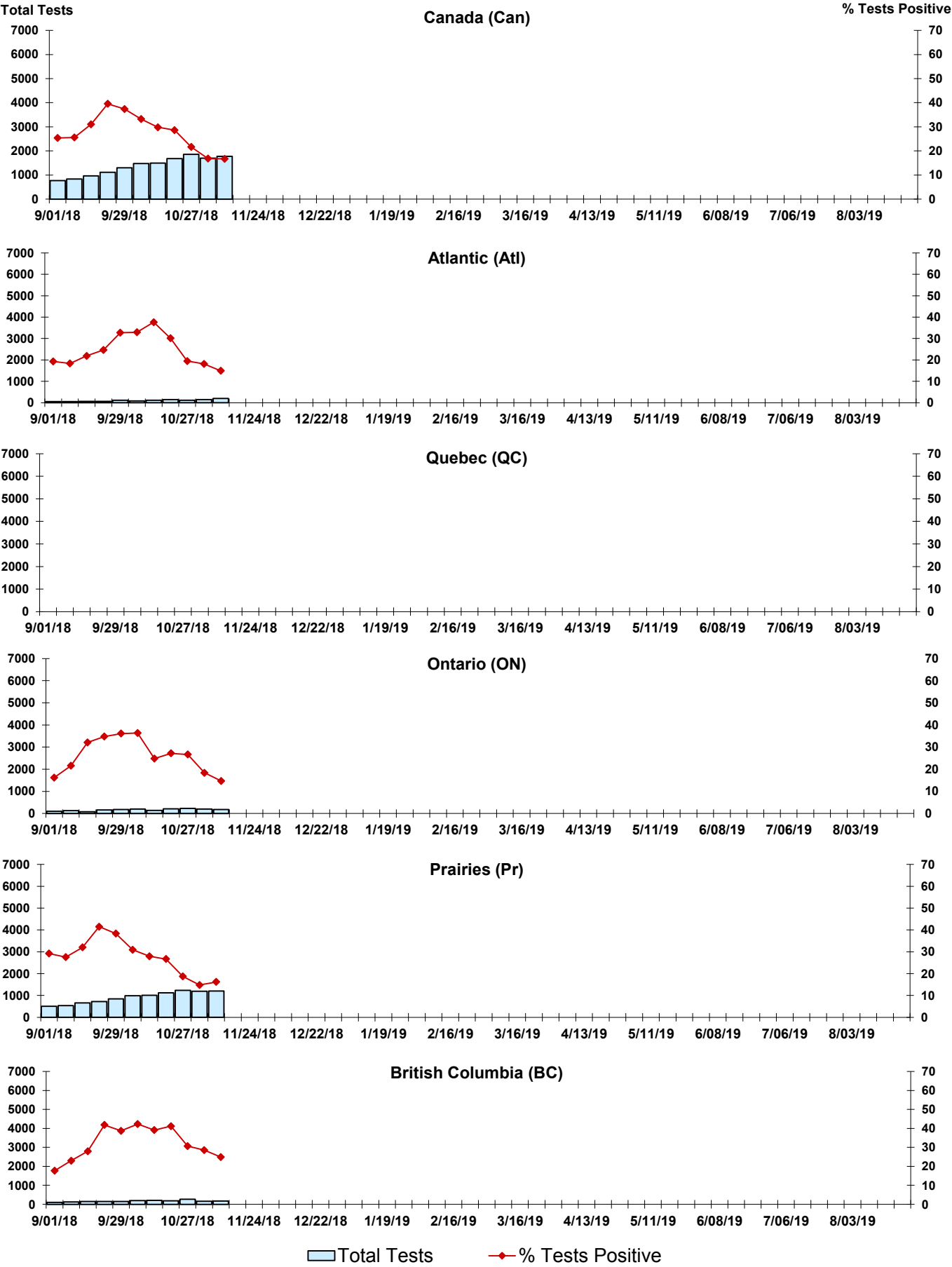
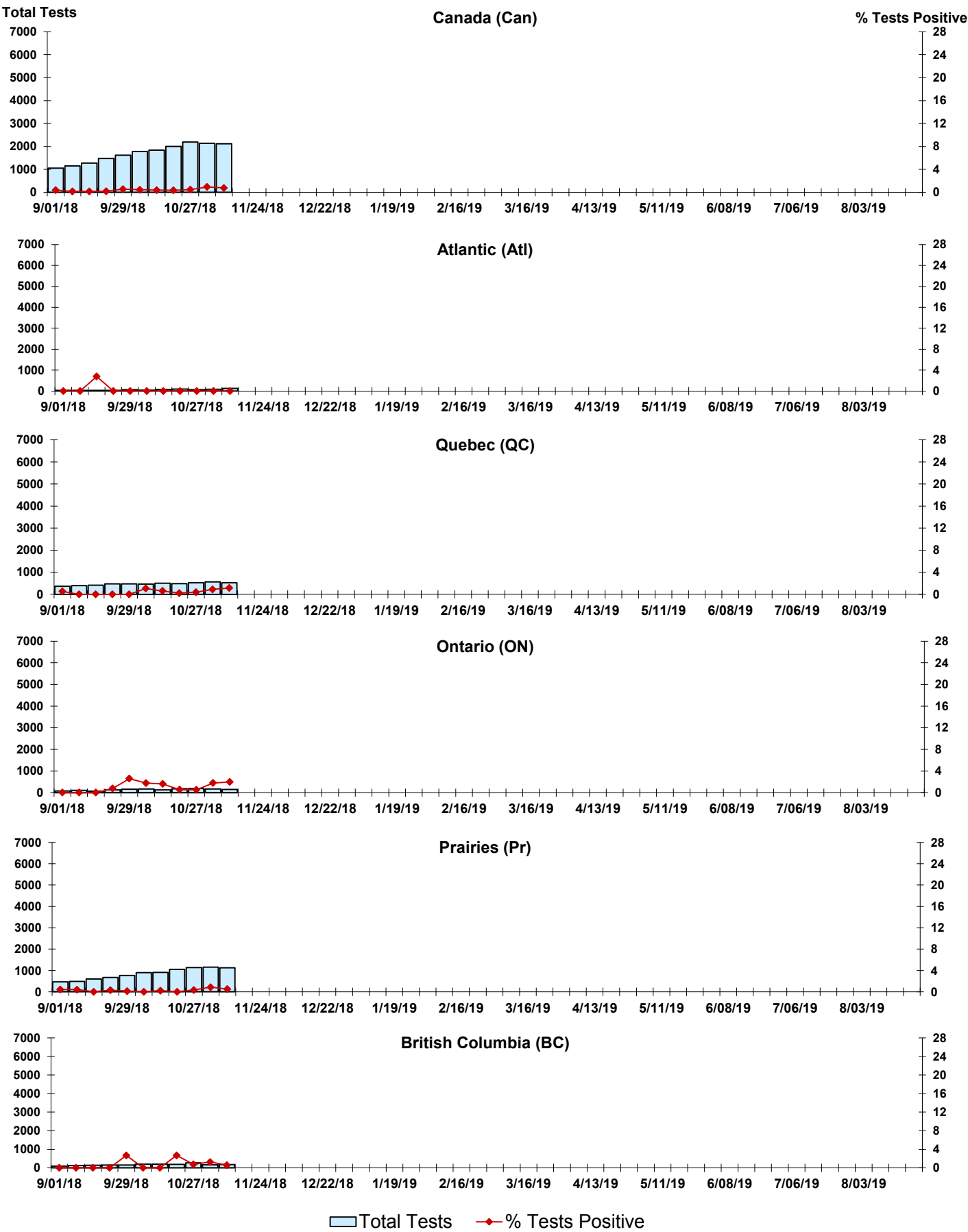


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.