

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 06 - ending February 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 February 10, 2018 (Reporting Week 201806)

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	217	0	0	37	37	20	217	13	217	2	5	3	0	0	217	2	217	12	217	9	N.A.	N.A.
Prince Edward Island	77	0	5	0	5	14	80	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nova Scotia	252	0	0	30	30	37	252	41	11	0	0	0	0	0	11	0	11	3	11	1	11	2
New Brunswick	492	0	11	56	67	68	495	22	97	0	4	0	0	0	97	3	97	8	97	7	97	13
Atlantic	1038	0	16	123	139	139	1044	96	325	2	9	3	0	0	325	5	325	23	325	17	108	15
Région Nord-Est	994	0	0	186	186	174	837	50	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	1057	0	0	253	253	201	976	79	89	2	0	0	0	0	92	3	75	0	N.A.	N.A.	73	3
Centre-du-Québec	1353	0	0	276	276	261	1095	117	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	2376	0	0	436	436	364	2252	146	811	5	0	0	1	0	811	16	804	20	N.A.	N.A.	715	27
Ouest du Québec	873	0	0	157	157	172	617	46	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	537	0	0	114	114	98	537	37	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	7190	0	0	1422	1422	1270	6314	475	900	7	0	0	1	0	903	19	879	20	N.A.	N.A.	788	30
Ottawa P.H.L.	44	0	5	0	5	12	12	0	12	0	0	0	0	0	12	0	10	0	2	0	0	0
CHEO - Ottawa	364	0	0	54	54	40	364	62	17	0	0	0	0	0	17	0	17	1	17	0	17	2
Kingston P.H.L.	45	0	8	1	9	6	13	1	13	0	0	0	0	0	13	0	11	1	2	0	0	0
UHN / Mount Sinai Hospital	461	0	0	44	44	42	461	24	18	0	0	0	0	0	0	0	18	1	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	750	3	132	12	147	123	372	8	372	1	0	0	0	0	372	5	369	8	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	148	2	18	0	20	24	148	3	148	0	0	0	0	0	148	0	148	3	148	1	148	9
Sault Ste. Marie P.H.L.	28	0	4	6	10	1	3	0	3	0	0	0	0	0	3	0	3	0	0	0	0	0
Timmins P.H.L.	28	0	7	2	9	0	14	0	14	0	0	0	0	0	14	0	14	0	0	0	0	0
St. Joseph's - London	245	0	0	38	38	24	245	13	56	1	0	0	0	0	56	0	56	3	23	2	23	1
London P.H.L.	252	0	34	5	39	60	132	6	132	0	0	1	0	0	132	0	131	4	1	0	0	0
Orillia P.H.L.	92	0	17	9	26	10	26	0	26	0	0	0	0	0	26	0	26	0	0	0	0	0
Thunder Bay P.H.L.	53	0	5	1	6	4	25	0	25	0	0	1	0	0	25	0	25	0	0	0	0	0
Sudbury P.H.L.	44	0	3	7	10	5	20	0	20	0	0	0	0	0	20	0	19	0	1	0	0	0
Hamilton P.H.L.	184	0	18	14	32	30	99	4	99	1	0	0	0	0	99	1	98	3	1	0	0	0
Peterborough P.H.L.	55	0	9	4	13	11	19	1	19	0	0	0	0	0	19	0	19	1	0	0	0	0
Province of Ontario	2793	5	260	197	462	392	1953	122	974	3	0	2	0	0	956	6	964	25	198	3	188	12
Manitoba	439	0	6	27	33	27	430	34	112	0	1	0	0	0	112	3	58	4	112	3	58	8
Regina	587	2	61	3	66	127	587	38	587	4	3	2	0	0	587	6	587	40	587	48	587	66
Saskatoon	160	0	0	15	15	17	160	9	160	0	0	0	0	0	160	0	160	6	160	3	160	4
Province of Saskatchewan	747	2	61	18	81	144	747	47	747	4	3	2	0	0	747	6	747	46	747	51	747	70
Province of Alberta	1223	8	49	25	82	155	979	0	979	9	6	4	4	0	979	17	979	107	979	75	979	73
Prairies	2409	10	116	70	196	326	2156	81	1838	13	10	6	4	0	1838	26	1784	157	1838	129	1784	151
British Columbia	396	23	65	17	105	198	396	45	187	1	2	1	0	0	187	0	187	16	187	18	187	21
Yukon	20	2	8	2	12	0	20	2	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	29	1	2	0	3	3	29	0	29	0	0	0	0	0	29	1	29	1	29	1	29	7
Nunavut	4	1	0	0	1	0	4	0	4	0	0	0	1	0	4	0	4	0	4	0	4	1
Territories	53	4	10	2	16	3	53	2	33	0	0	0	1	0	33	1	33	1	33	1	33	8
CANADA	13879	42	467	1831	2340	2328	11916	821	4257	26	21	12	6	0	4242	57	4172	242	2581	168	3088	237

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 - February 10, 2018 (Reporting Weeks / Code hebdomadaire 201735-201806)

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	1831	0	3	117	120	75	1831	54	1831	88	14	32	0	0	1831	27	1832	107	1831	155	N.A.	N.A.
Prince Edward Island	650	3	61	0	64	98	665	74	43	0	0	0	2	0	43	2	43	0	43	5	43	2
Nova Scotia	1849	0	0	263	263	92	1864	199	319	4	1	1	1	0	319	5	319	7	319	54	319	5
New Brunswick	5045	2	147	644	793	344	4606	133	1545	25	27	3	12	0	1545	34	1545	60	1545	218	1545	48
Atlantic	9375	5	211	1024	1240	609	8966	460	3738	117	42	36	15	0	3738	68	3739	174	3738	432	1907	55
Région Nord-Est	7264	0	0	1156	1156	675	6270	421	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	8575	0	0	1555	1555	844	8522	843	1993	31	1	0	19	0	2037	72	1710	4	N.A.	N.A.	1645	11
Centre-du-Québec	10355	0	0	1596	1596	1398	8270	922	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	27079	0	0	3022	3022	1954	23454	1716	12924	182	22	56	35	0	13096	470	12488	159	N.A.	N.A.	11572	419
Ouest du Québec	7173	0	0	1102	1102	777	4261	423	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	4958	0	0	798	798	410	4816	406	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	65404	0	0	9229	9229	6058	55593	4731	14917	213	23	56	54	0	15133	542	14198	163	N.A.	N.A.	13217	430
Ottawa P.H.L.	535	2	47	31	80	63	322	6	322	3	0	0	0	0	322	3	313	2	24	6	10	1
CHEO - Ottawa	4715	0	0	407	407	236	4714	429	512	12	1	2	8	0	539	13	594	14	538	125	538	26
Kingston P.H.L.	669	1	68	22	91	50	485	16	485	8	0	1	1	0	485	5	449	4	93	7	22	0
UHN / Mount Sinai Hospital	6670	0	0	322	322	300	6670	273	442	6	1	0	8	0	0	0	420	6	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	9739	70	867	67	1004	612	7729	210	7729	101	8	14	1	0	7729	73	7503	64	558	48	234	5
Sick Kids Hospital - Toronto	1782	10	33	47	90	84	1500	168	1500	29	2	8	25	0	1500	32	1500	89	1500	367	1500	76
Sunnybrook & Women's College HSC	1760	5	102	1	108	97	1760	53	1760	20	8	2	4	0	1760	0	1760	23	1760	156	1760	66
Sault Ste. Marie P.H.L.	340	0	45	11	56	8	258	5	258	4	0	0	1	0	258	0	250	1	21	3	12	0
Timmins P.H.L.	241	6	41	7	54	17	164	2	164	0	0	0	0	0	164	1	156	0	15	1	2	0
St. Joseph's - London	2648	0	0	203	203	337	2648	266	806	24	1	0	11	0	806	20	732	17	471	110	421	12
London P.H.L.	2949	9	292	66	367	481	1930	99	1930	32	2	9	3	0	1930	7	1868	24	179	21	63	0
Orillia P.H.L.	915	0	95	39	134	55	661	33	661	15	0	2	0	0	661	5	654	11	33	4	11	0
Thunder Bay P.H.L.	736	0	171	19	190	13	509	7	509	8	1	3	0	0	509	3	501	4	11	0	3	0
Sudbury P.H.L.	723	3	71	10	84	25	597	7	597	7	1	0	0	0	596	4	570	0	43	1	13	0
Hamilton P.H.L.	2180	12	97	57	166	174	1719	100	1719	29	4	7	3	0	1719	17	1667	31	145	21	64	2
Peterborough P.H.L.	1318	3	49	24	76	92	1099	34	1099	20	0	2	0	0	1099	5	1095	14	50	12	44	2
Province of Ontario	37920	121	1978	1333	3432	2644	32765	1708	20493	318	29	50	65	0	20077	188	20032	304	5441	882	4697	190
Manitoba	7502	7	346	697	1050	162	7312	235	2936	55	13	2	10	0	2936	44	1481	77	2936	295	1481	52
Regina	8553	40	1055	54	1149	584	8553	191	8553	360	92	12	29	0	8553	145	8553	402	8553	1632	8553	502
Saskatoon	3543	0	0	305	305	168	3543	90	3442	30	3	7	2	0	3543	35	3543	55	3393	371	3543	51
Province of Saskatchewan	12096	40	1055	359	1454	752	12096	281	11995	390	95	19	31	0	12096	180	12096	457	11946	2003	12096	553
Province of Alberta	26094	105	3808	1284	5197	2264	20827	0	20827	494	144	75	211	0	20827	319	20827	938	20827	2929	20827	916
Prairies	45692	152	5209	2340	7701	3178	40235	516	35758	939	252	96	252	0	35859	543	34404	1472	35709	5227	34404	1521
British Columbia	12870	270	1119	357	1746	1889	12870	416	5431	152	40	22	73	0	5431	46	5431	134	4080	1007	4080	209
Yukon	289	5	35	16	56	39	289	19	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	458	2	120	0	122	22	455	0	455	11	0	0	13	0	455	5	455	25	455	57	455	31
Nunavut	269	1	27	0	28	2	256	1	257	7	1	8	2	0	256	12	255	11	86	27	78	5
Territories	1016	8	182	16	206	63	1000	20	712	18	1	8	15	0	711	17	710	36	541	84	533	36
CANADA	172277	556	8699	14299	23554	14441	151429	7851	81049	1757	387	268	474	0	80949	1404	78514	2283	49509	7632	58838	2441

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

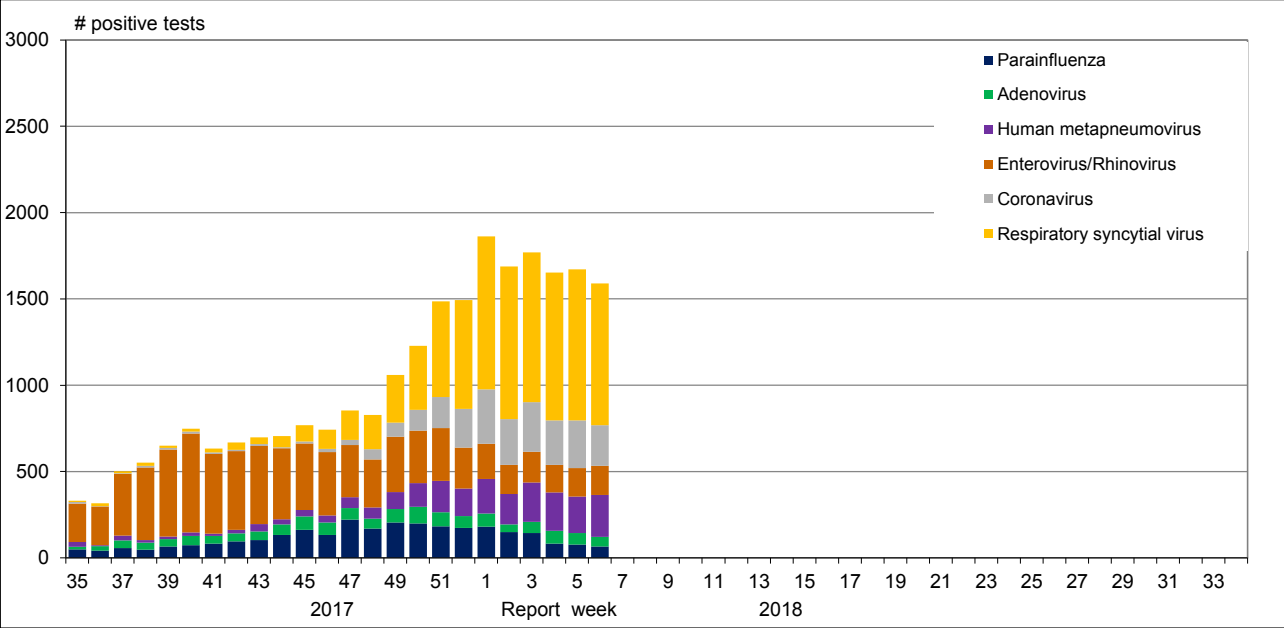


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

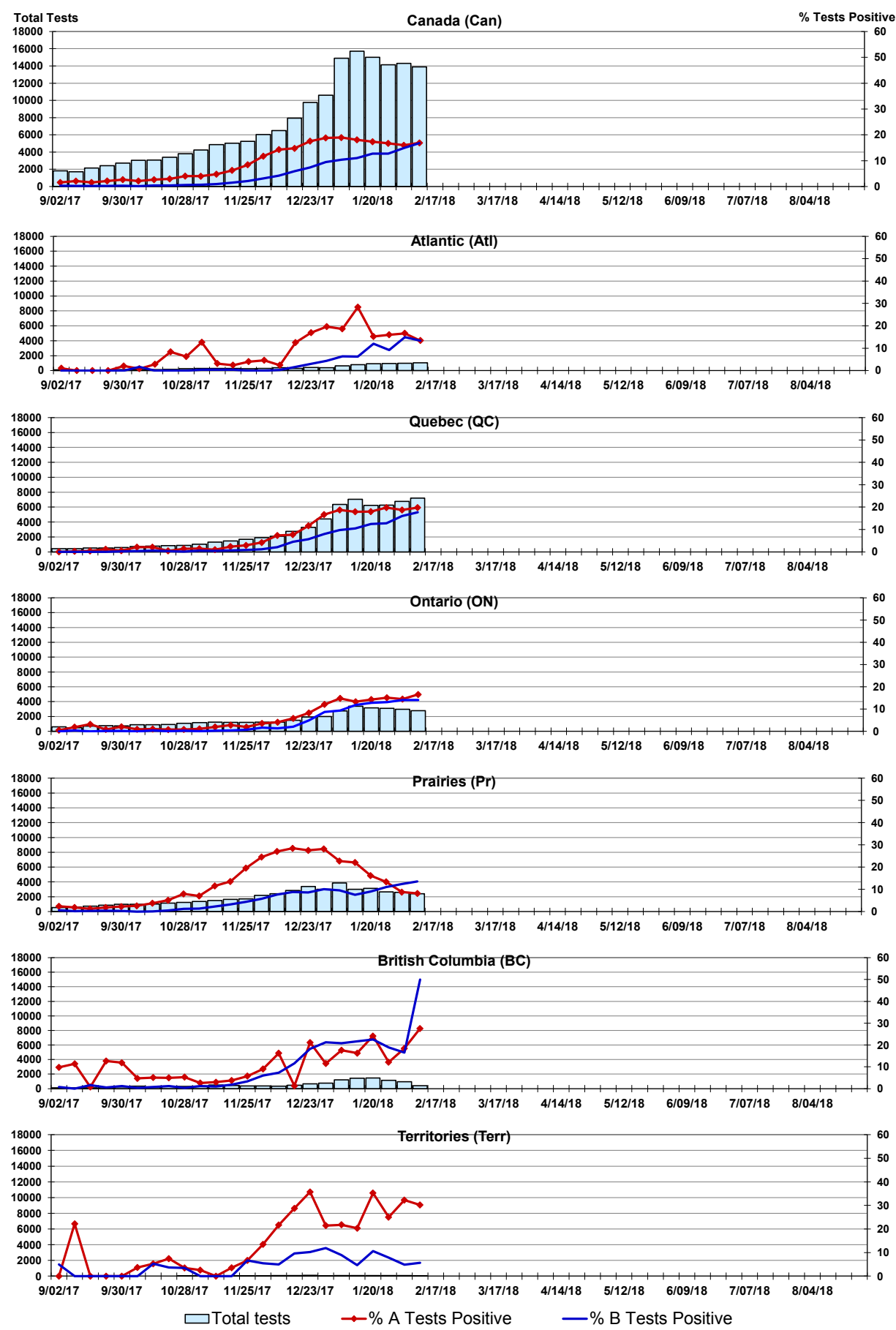


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

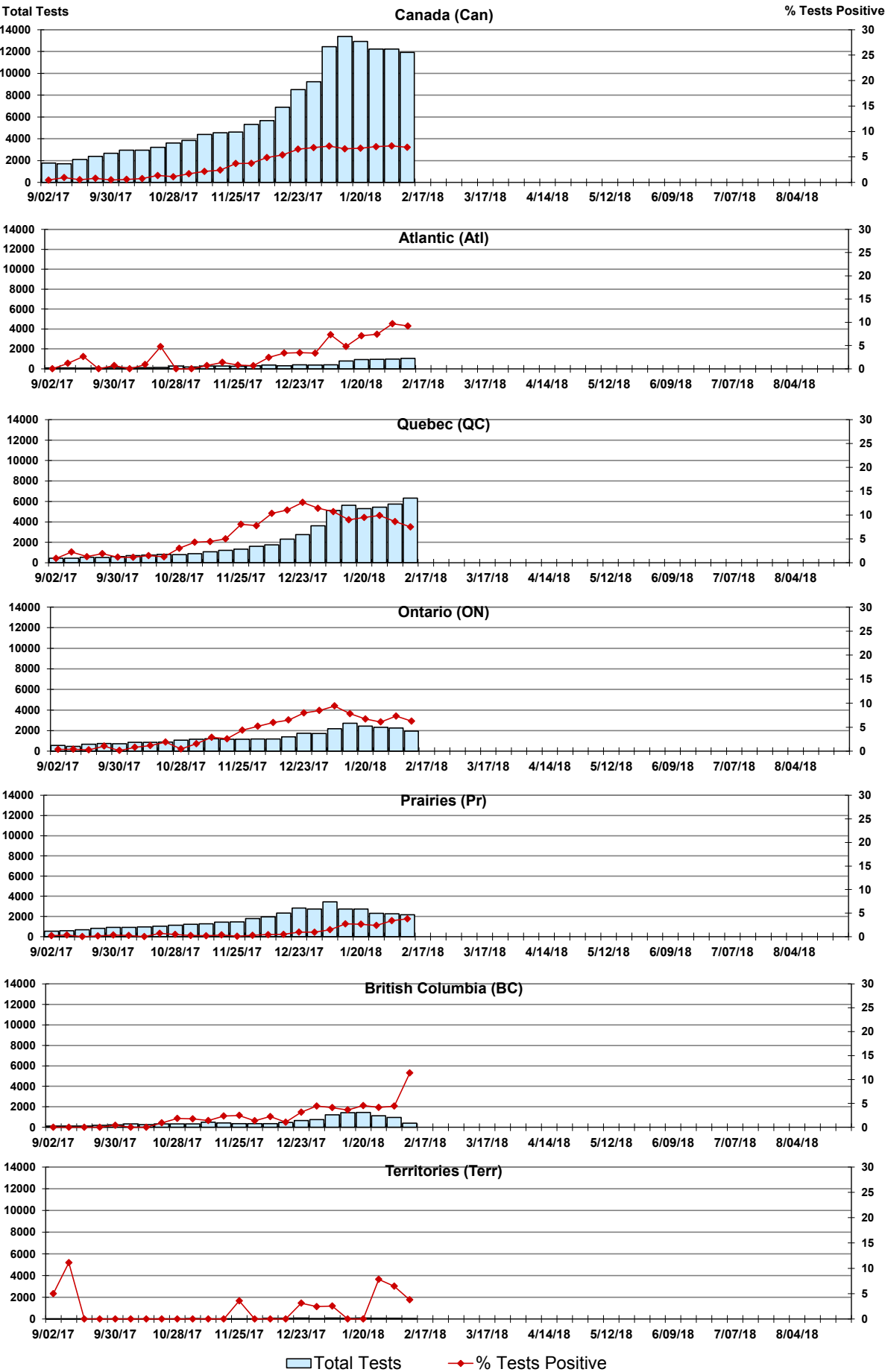


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

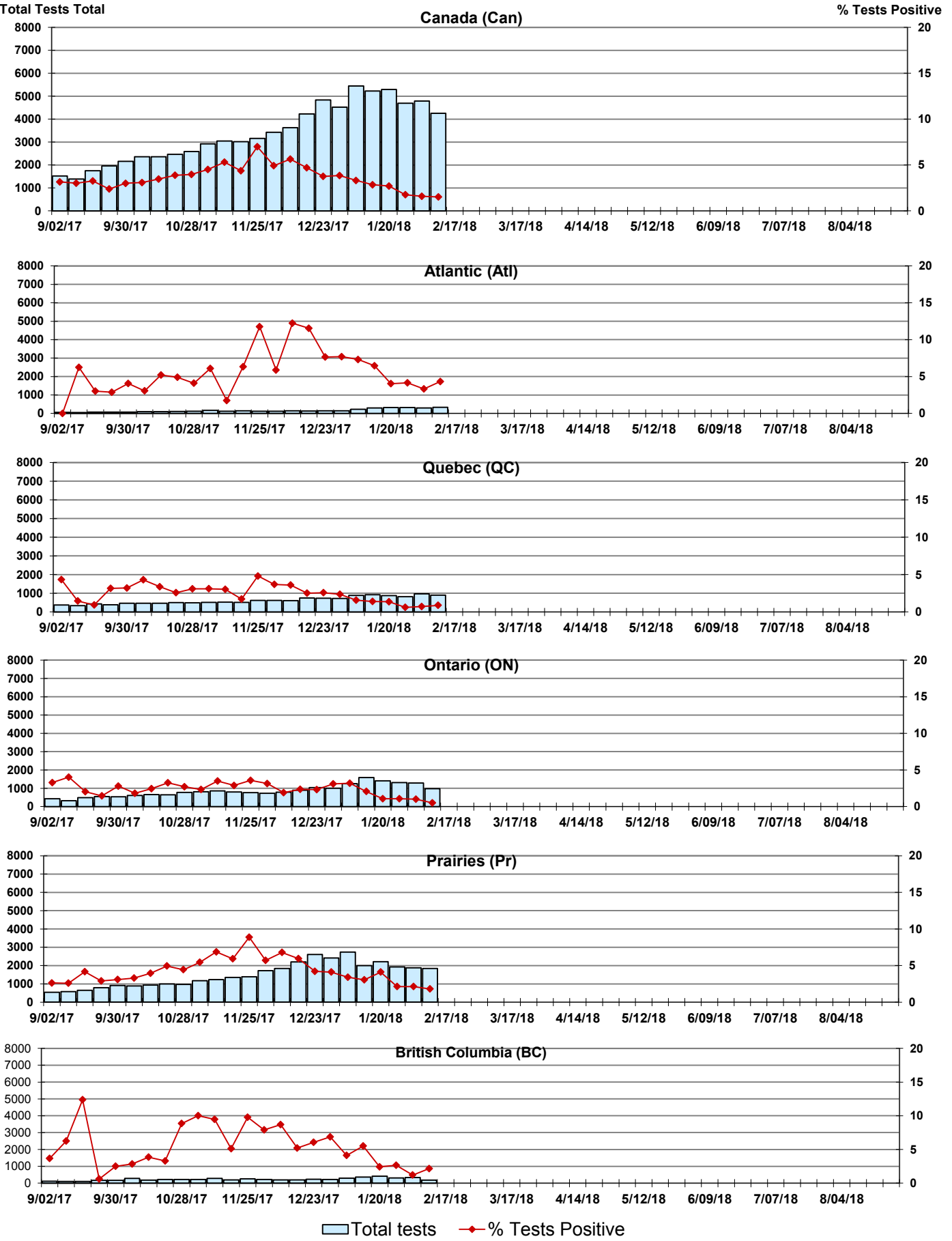


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

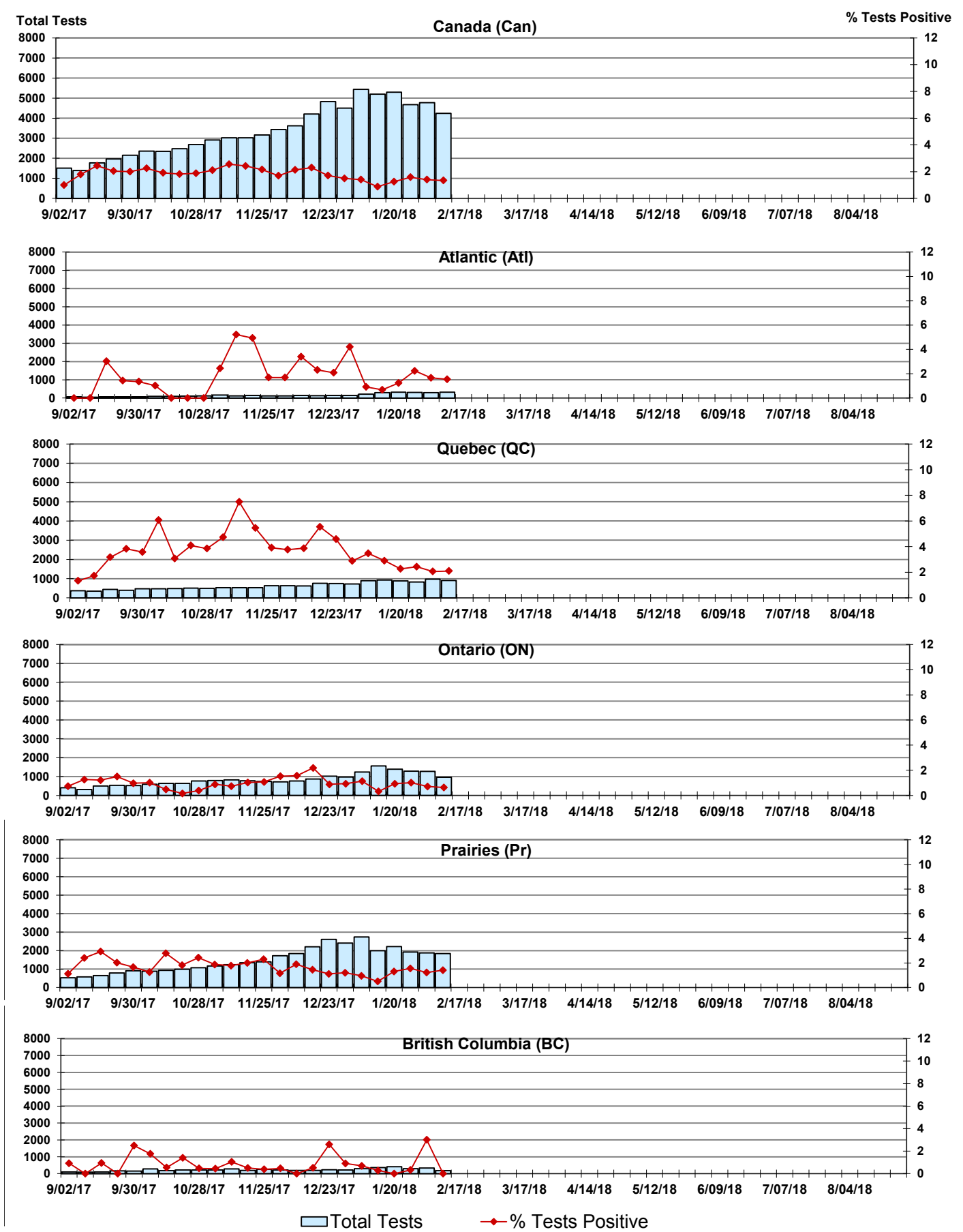


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

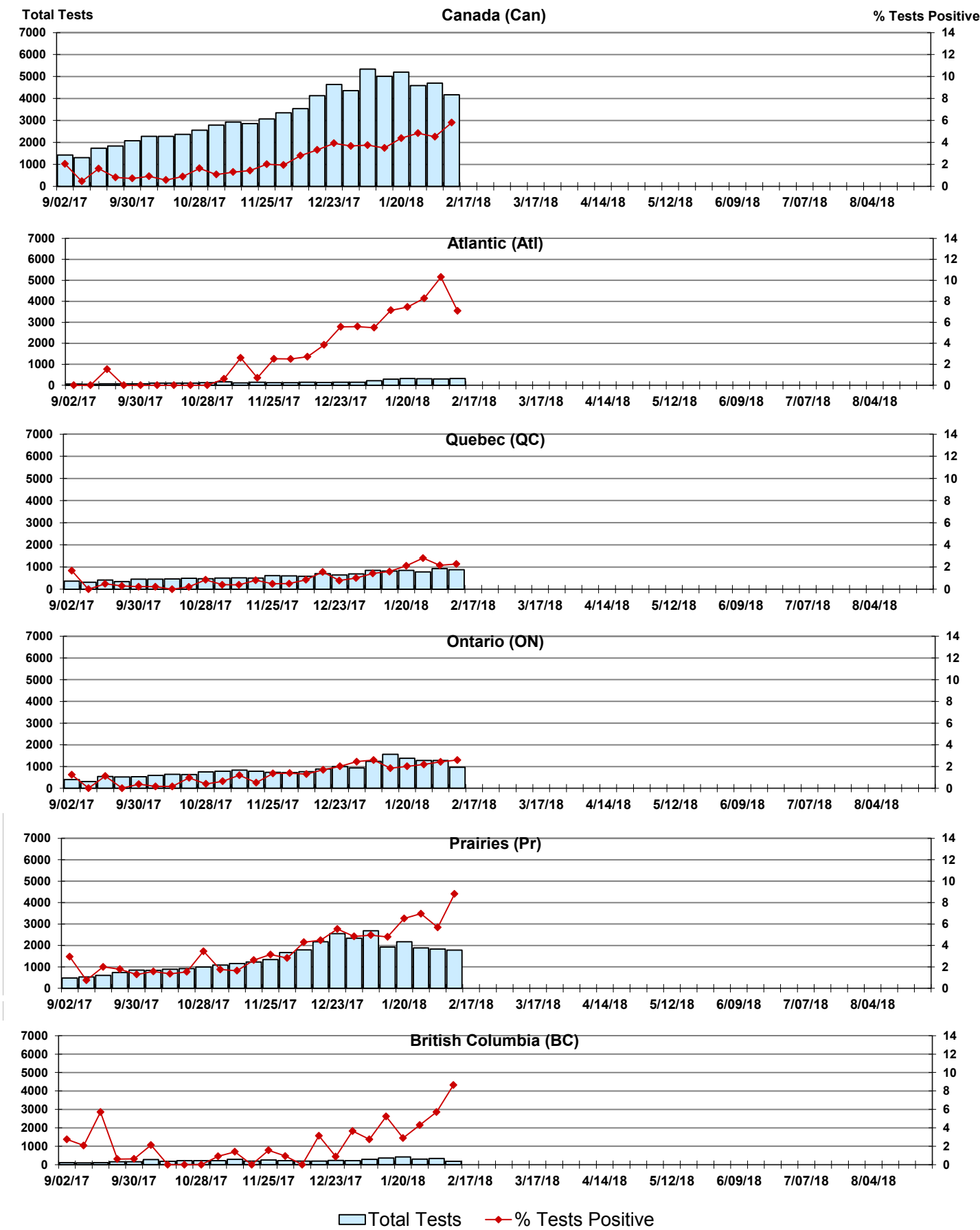


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

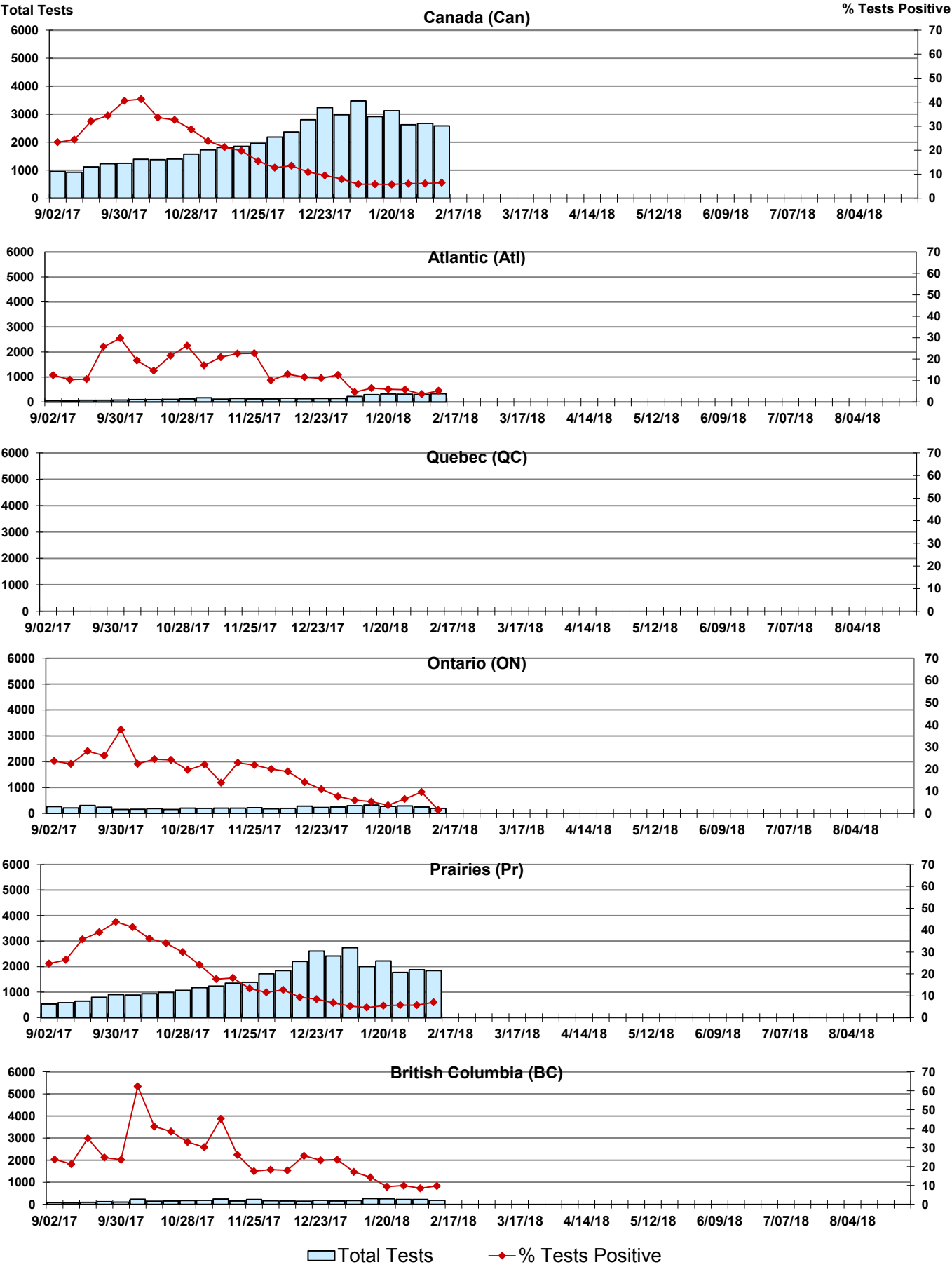
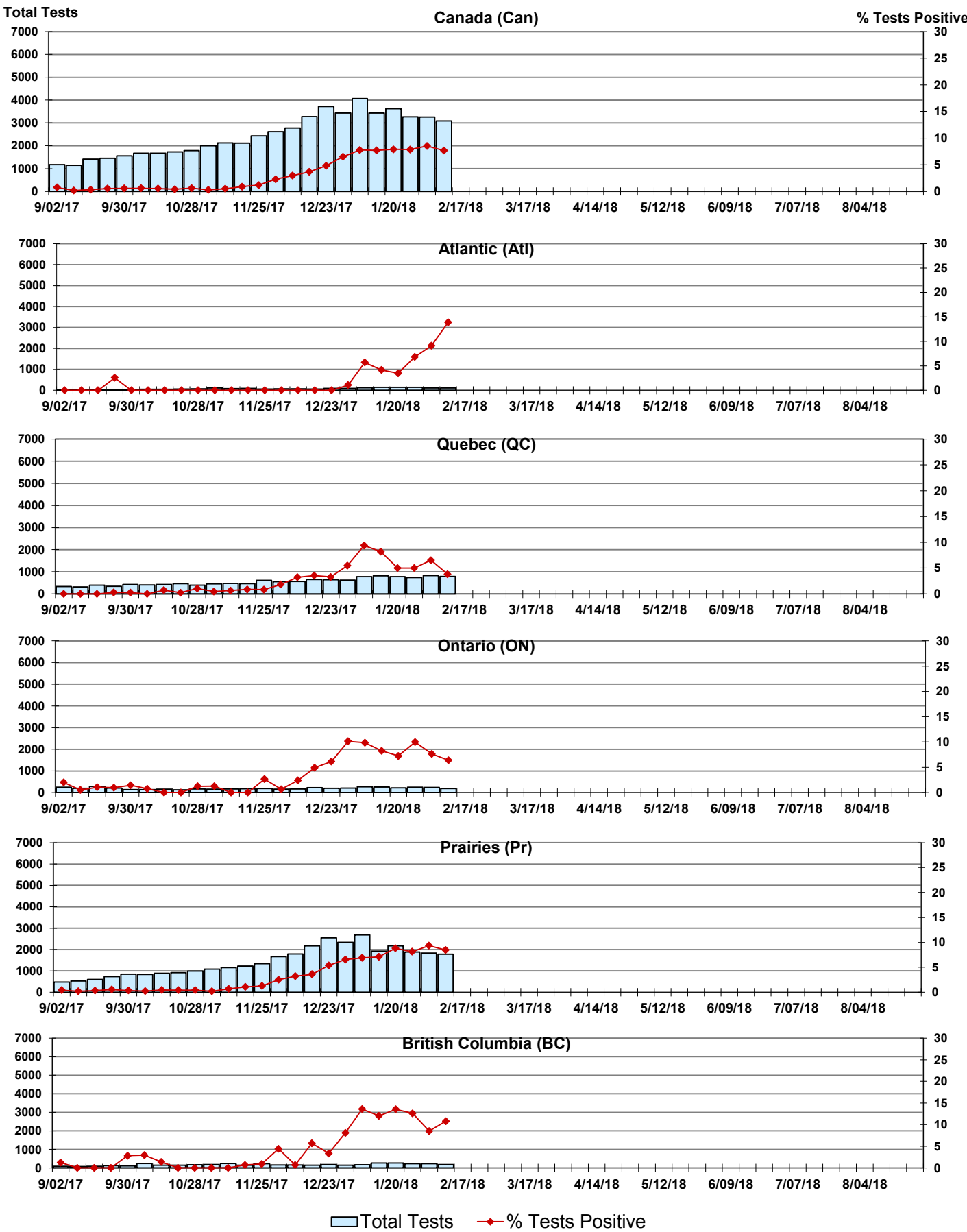


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.