

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 47 - ending November 25, 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 25, 2017 (Reporting Week 201747)

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	57	0	0	1	1	0	57	0	57	2	0	6	0	0	57	0	57	3	57	7	N.A.	N.A.
Prince Edward Island	14	0	1	0	1	0	15	0	1	0	0	0	1	0	1	0	1	0	1	0	1	0
Nova Scotia	36	0	0	0	0	0	37	2	5	0	0	0	0	0	5	0	5	0	5	0	5	0
New Brunswick	145	0	2	6	8	0	145	0	56	2	2	0	1	0	56	2	56	0	56	20	56	0
Atlantic	252	0	3	7	10	0	254	2	119	4	2	6	2	0	119	2	119	3	119	27	62	0
Région Nord-Est	120	0	0	0	0	0	105	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	91	0	0	6	6	0	138	12	75	1	0	0	0	0	80	3	67	0	N.A.	N.A.	67	0
Centre-du-Québec	207	0	0	2	2	5	171	14	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	944	0	0	32	32	4	729	55	549	19	2	5	3	0	560	22	540	3	N.A.	N.A.	540	5
Ouest du Québec	185	0	0	8	8	4	55	7	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	130	0	0	1	1	1	130	16	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	1677	0	0	49	49	14	1328	107	624	20	2	5	3	0	640	25	607	3	N.A.	N.A.	607	5
Ottawa P.H.L.	14	0	0	0	0	0	8	0	8	0	0	0	0	0	8	0	7	0	1	0	0	0
CHEO - Ottawa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kingston P.H.L.	8	0	1	0	1	0	6	0	6	1	0	0	0	0	6	0	6	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	282	0	6	0	6	2	256	6	256	4	0	1	0	0	256	0	253	2	3	0	0	0
Sick Kids Hospital - Toronto	87	1	0	0	1	0	87	17	87	5	0	0	1	0	87	3	87	5	87	25	87	5
Sunnybrook & Women's College HSC	65	0	1	0	1	0	65	2	65	0	1	0	0	0	65	0	65	0	65	9	65	0
Sault Ste. Marie P.H.L.	12	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	8	0	2	0	0	0
Timmins P.H.L.	9	0	0	0	0	0	9	0	9	0	0	0	0	0	9	0	7	0	2	0	0	0
St. Joseph's - London	96	0	0	0	0	2	96	7	37	2	0	0	2	0	37	0	37	0	12	4	12	0
London P.H.L.	68	0	0	0	0	0	66	1	66	0	0	0	0	0	66	1	63	2	4	0	0	0
Orillia P.H.L.	29	0	4	1	5	0	20	0	20	2	0	0	0	0	20	0	20	0	0	0	0	0
Thunder Bay P.H.L.	22	0	1	0	1	0	21	0	21	0	0	0	0	0	21	0	20	0	1	0	0	0
Sudbury P.H.L.	14	0	1	0	1	0	13	0	13	0	0	0	0	0	13	0	13	0	0	0	0	0
Hamilton P.H.L.	69	1	1	0	2	2	65	2	65	2	0	1	0	0	65	0	62	0	3	0	0	0
Peterborough P.H.L.	42	0	0	0	0	1	33	1	33	1	0	0	0	0	33	1	33	1	0	0	0	0
Province of Ontario	817	2	15	1	18	7	755	36	696	17	1	2	3	0	696	5	681	10	180	38	164	5
Manitoba	202	1	7	1	9	0	186	1	114	10	0	0	0	0	114	9	64	5	114	11	64	0
Regina	287	1	12	0	13	2	287	0	287	29	4	1	1	0	287	13	287	4	287	63	287	8
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	287	1	12	0	13	2	287	0	287	29	4	1	1	0	287	13	287	4	287	63	287	8
Province of Alberta	994	2	187	79	268	73	763	0	763	38	6	4	19	0	763	7	763	30	763	96	763	9
Prairies	1483	4	206	80	290	75	1236	1	1164	77	10	5	20	0	1164	29	1114	39	1164	170	1114	17
British Columbia	401	6	10	3	19	11	401	9	295	16	3	1	6	0	295	1	295	4	262	39	262	2
Yukon	15	0	0	0	0	2	15	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	3	0	0	0	0	0	3	0	3	1	0	0	0	0	3	0	3	0	3	0	3	0
Nunavut	8	0	2	0	2	0	6	0	6	0	0	0	0	0	6	0	6	0	3	2	3	0
Territories	26	0	2	0	2	2	24	1	9	1	0	0	0	0	9	0	9	0	6	2	6	0
CANADA	4656	12	236	140	388	109	3998	156	2907	135	18	19	34	0	2923	62	2825	59	1731	276	2215	29

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 25, 2017 (Reporting Weeks / Code hebdomadaire 201735-201747)

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	534	0	3	3	6	1	534	0	534	22	2	12	0	0	534	7	534	6	534	83	N.A.	N.A.
Prince Edward Island	113	0	9	0	9	0	116	0	22	0	0	0	2	0	22	1	22	0	22	2	22	0
Nova Scotia	343	0	0	4	4	1	347	8	191	0	1	1	0	0	191	3	191	2	191	45	191	0
New Brunswick	1331	0	40	44	84	3	1131	11	533	9	9	1	4	0	533	13	533	1	533	128	533	1
Atlantic	2321	0	52	51	103	5	2128	19	1280	31	12	14	6	0	1280	24	1280	9	1280	258	746	1
Région Nord-Est	625	0	0	1	1	1	573	15	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	1087	0	0	13	13	2	1269	43	938	9	1	0	7	0	966	32	847	1	N.A.	N.A.	795	0
Centre-du-Québec	830	0	0	19	19	10	752	40	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	7013	0	0	110	110	19	6486	189	5161	98	13	39	20	0	5276	228	5025	26	N.A.	N.A.	4673	24
Ouest du Québec	855	0	0	17	17	9	300	26	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	700	0	0	10	10	4	700	32	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	11110	0	0	170	170	45	10080	345	6099	107	14	39	27	0	6242	260	5872	27	N.A.	N.A.	5468	24
Ottawa P.H.L.	139	0	1	0	1	0	131	0	131	1	0	0	0	0	131	1	127	0	16	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.	213	0	4	0	4	0	202	0	202	6	0	0	1	0	202	4	185	0	58	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	3554	17	64	4	85	8	3403	42	3403	62	5	5	1	0	3403	27	3292	15	385	48	234	5
Sick Kids Hospital - Toronto	734	1	2	1	4	0	734	45	734	22	1	4	15	0	734	13	734	21	734	246	734	9
Sunnybrook & Women's College HSC	630	0	7	0	7	1	630	7	630	10	6	2	3	0	630	0	630	3	630	101	630	3
Sault Ste. Marie P.H.L.	83	0	0	0	0	0	78	0	78	0	0	0	1	0	78	0	74	0	17	3	12	0
Timmins P.H.L.	65	0	0	0	0	0	65	0	65	0	0	0	0	0	65	0	62	0	5	1	2	0
St. Joseph's - London	466	0	0	6	6	5	466	11	289	11	0	0	7	0	289	3	276	0	208	81	208	0
London P.H.L.	606	1	6	2	9	1	585	6	585	5	2	0	3	0	585	3	547	3	111	21	63	0
Orillia P.H.L.	198	0	6	2	8	0	182	0	182	4	0	1	0	0	182	1	180	1	18	4	11	0
Thunder Bay P.H.L.	151	0	1	0	1	0	149	0	149	0	1	1	0	0	149	0	147	2	5	0	3	0
Sudbury P.H.L.	261	0	7	2	9	1	248	2	248	2	0	0	0	0	247	1	232	0	29	1	13	0
Hamilton P.H.L.	670	5	4	0	9	3	647	9	647	14	1	2	3	0	647	8	609	2	108	21	64	2
Peterborough P.H.L.	389	0	3	0	3	1	372	7	372	5	0	1	0	0	372	2	369	4	47	12	44	2
Province of Ontario	11448	24	105	47	176	27	11180	173	8167	150	16	16	42	0	7982	65	7976	53	2639	627	2318	23
Manitoba	1945	1	27	2	30	0	1930	7	1459	23	2	0	1	0	1459	32	587	21	1459	213	587	1
Regina	2832	1	36	0	37	5	2832	12	2832	133	25	1	11	0	2832	71	2832	18	2832	1098	2832	16
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	3857	1	36	17	54	7	3857	25	3756	148	26	6	11	0	3857	94	3857	23	3857	1408	3857	18
Province of Alberta	8230	18	725	239	982	205	6953	0	6953	203	59	38	89	0	6953	125	6953	192	6953	1878	6953	47
Prairies	14032	20	788	258	1066	212	12740	32	12168	374	87	44	101	0	12269	251	11397	236	12269	3499	11397	66
British Columbia	3708	20	151	29	200	43	3708	42	2523	81	15	13	45	0	2523	22	2523	29	2014	687	2014	16
Yukon	80	0	5	0	5	5	80	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	84	0	0	0	0	0	83	0	83	1	0	0	4	0	83	0	83	2	83	27	83	4
Nunavut	132	0	6	0	6	1	127	1	127	0	0	6	0	0	127	10	127	2	38	20	36	1
Territories	296	0	11	0	11	6	290	3	210	1	0	6	4	0	210	10	210	4	121	47	119	5
CANADA	42915	64	1107	555	1726	338	40126	614	30447	744	144	132	225	0	30506	632	29258	358	18323	5118	22062	135

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

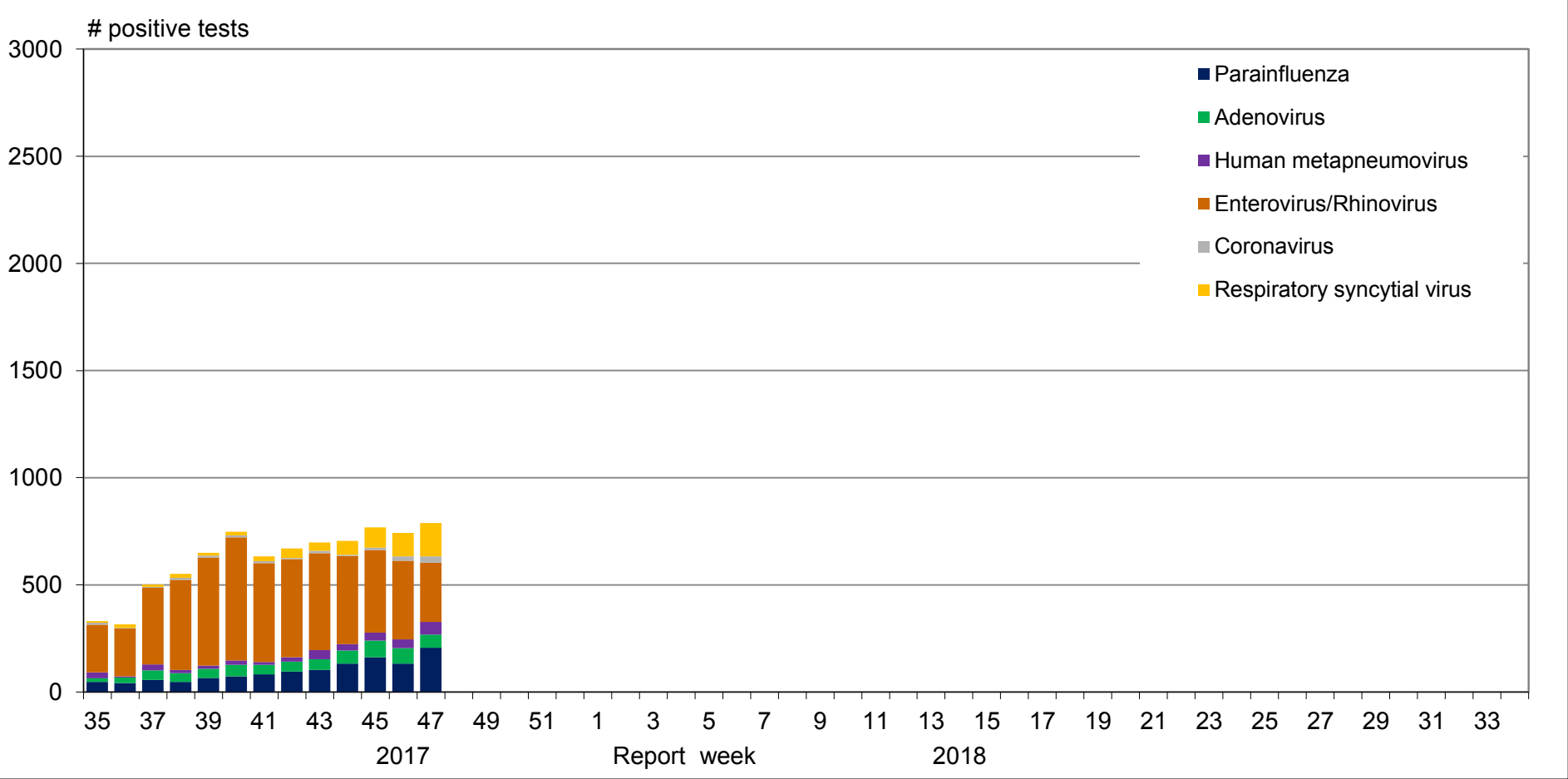


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

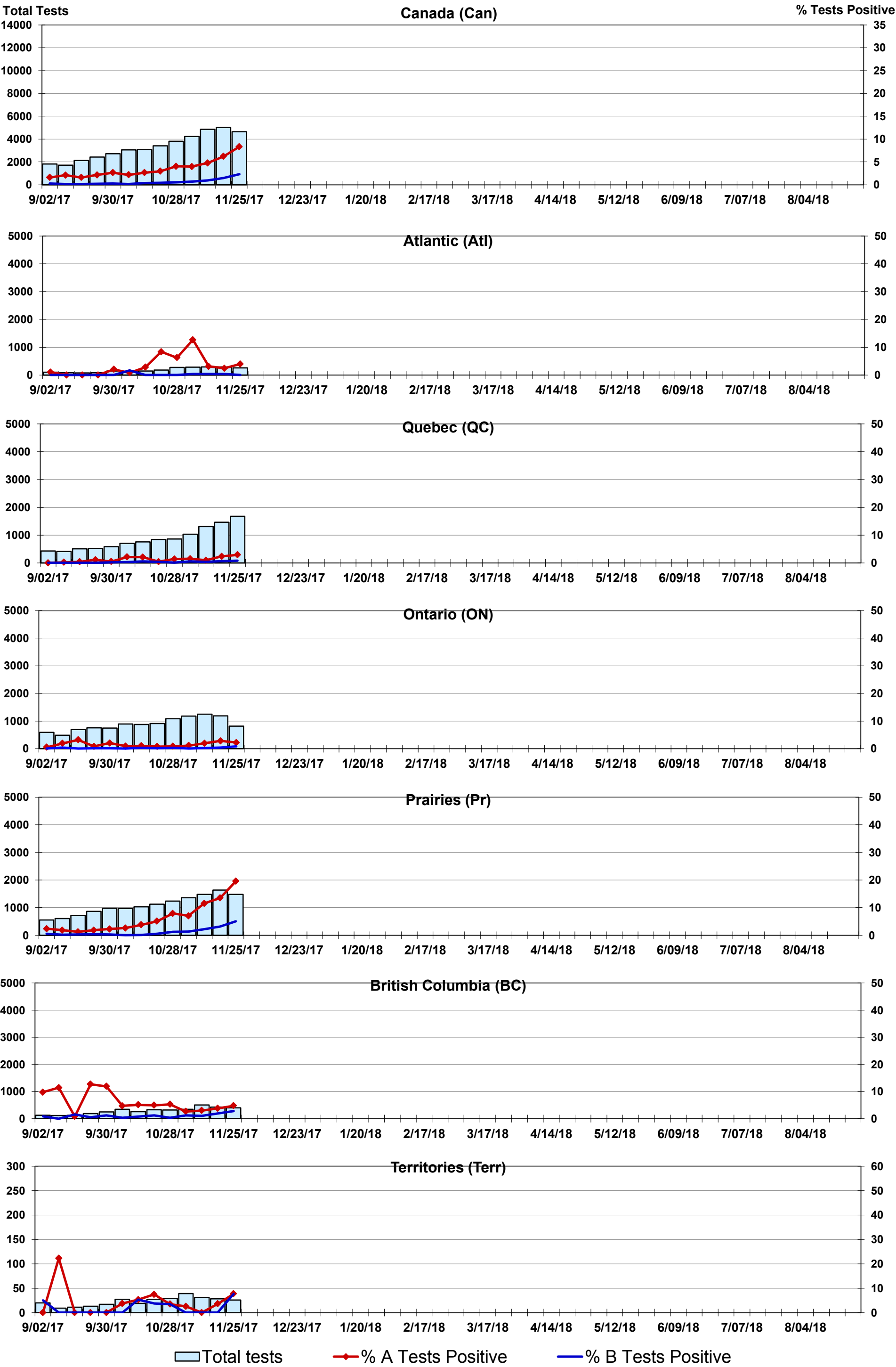


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

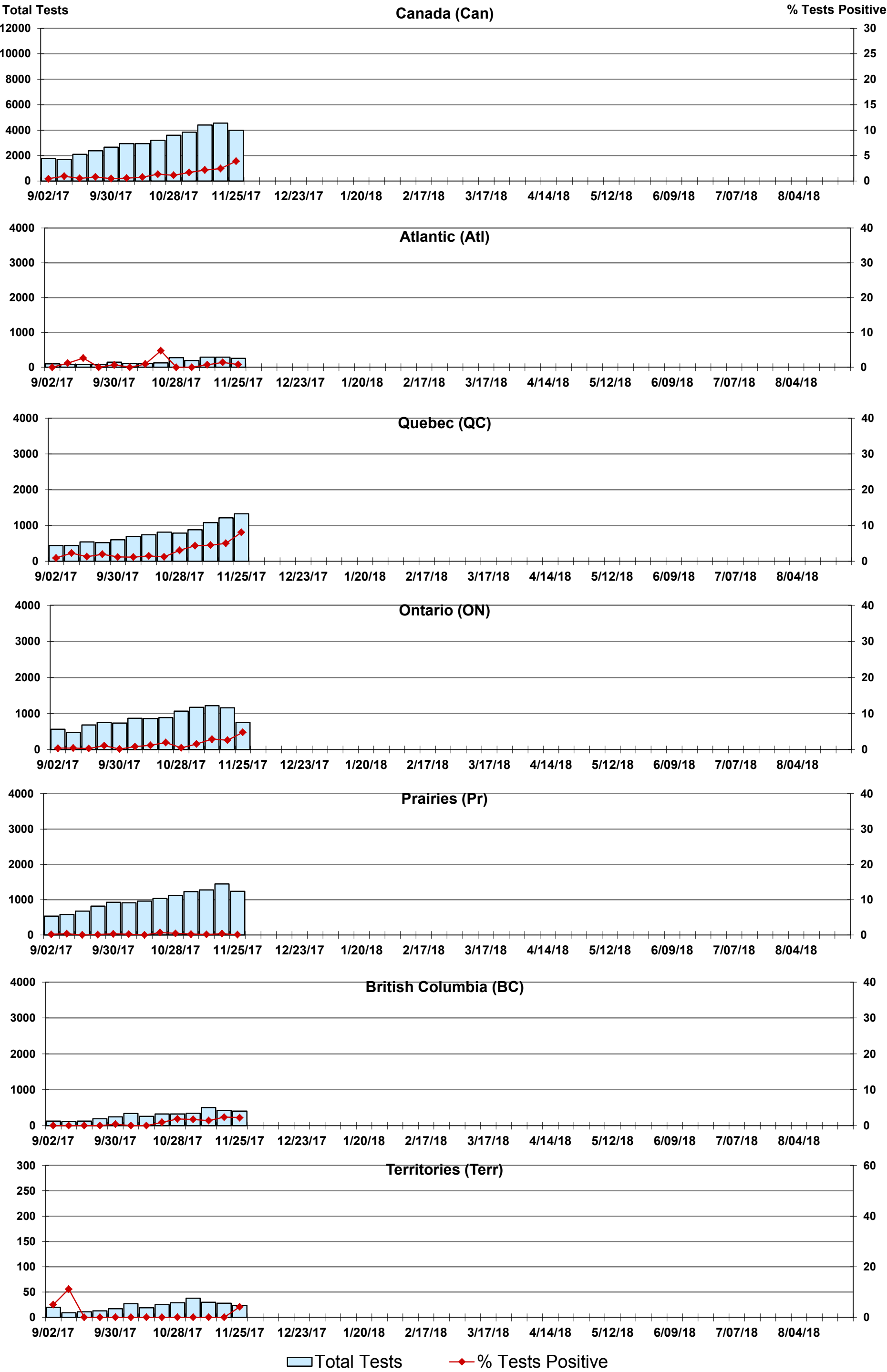


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

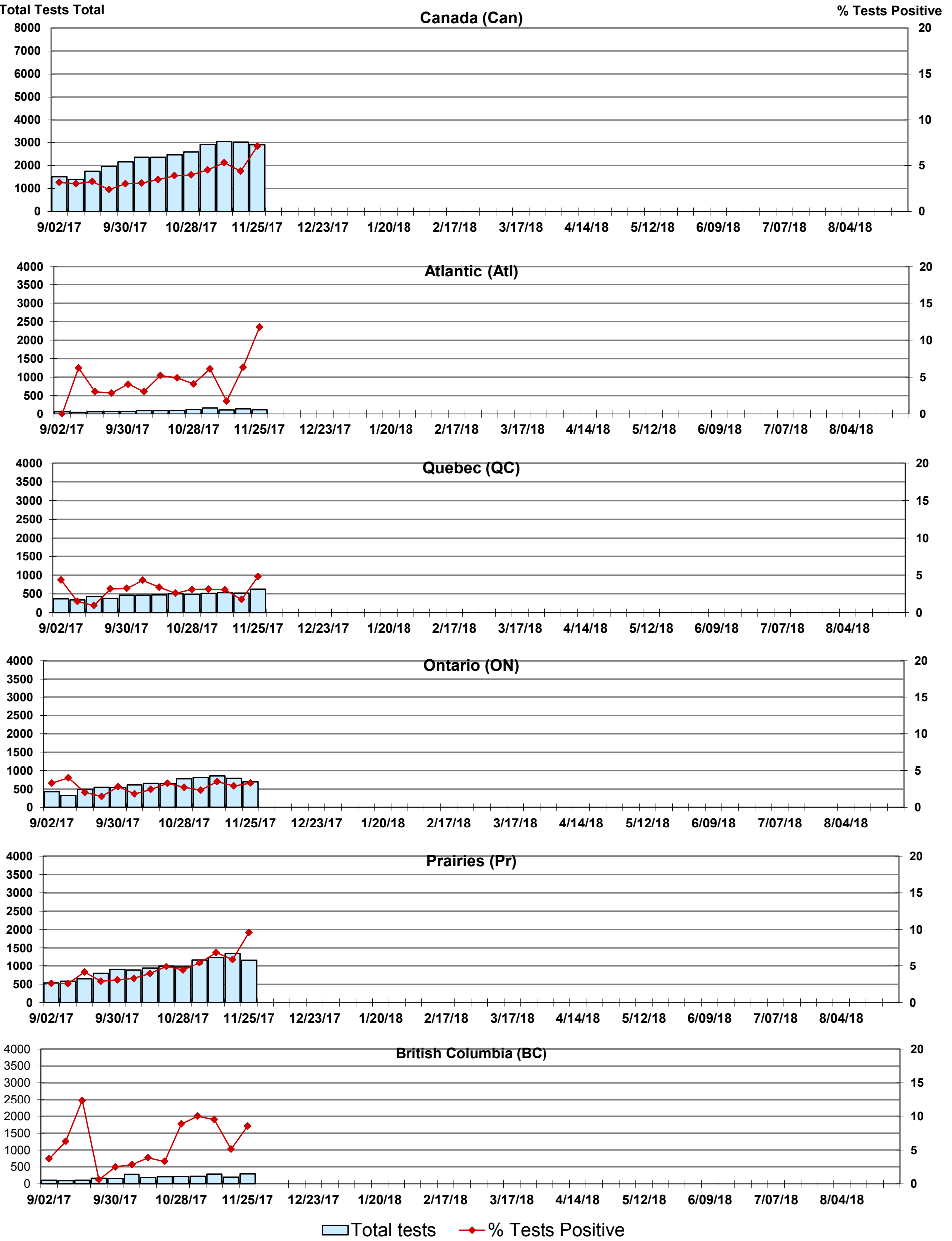


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

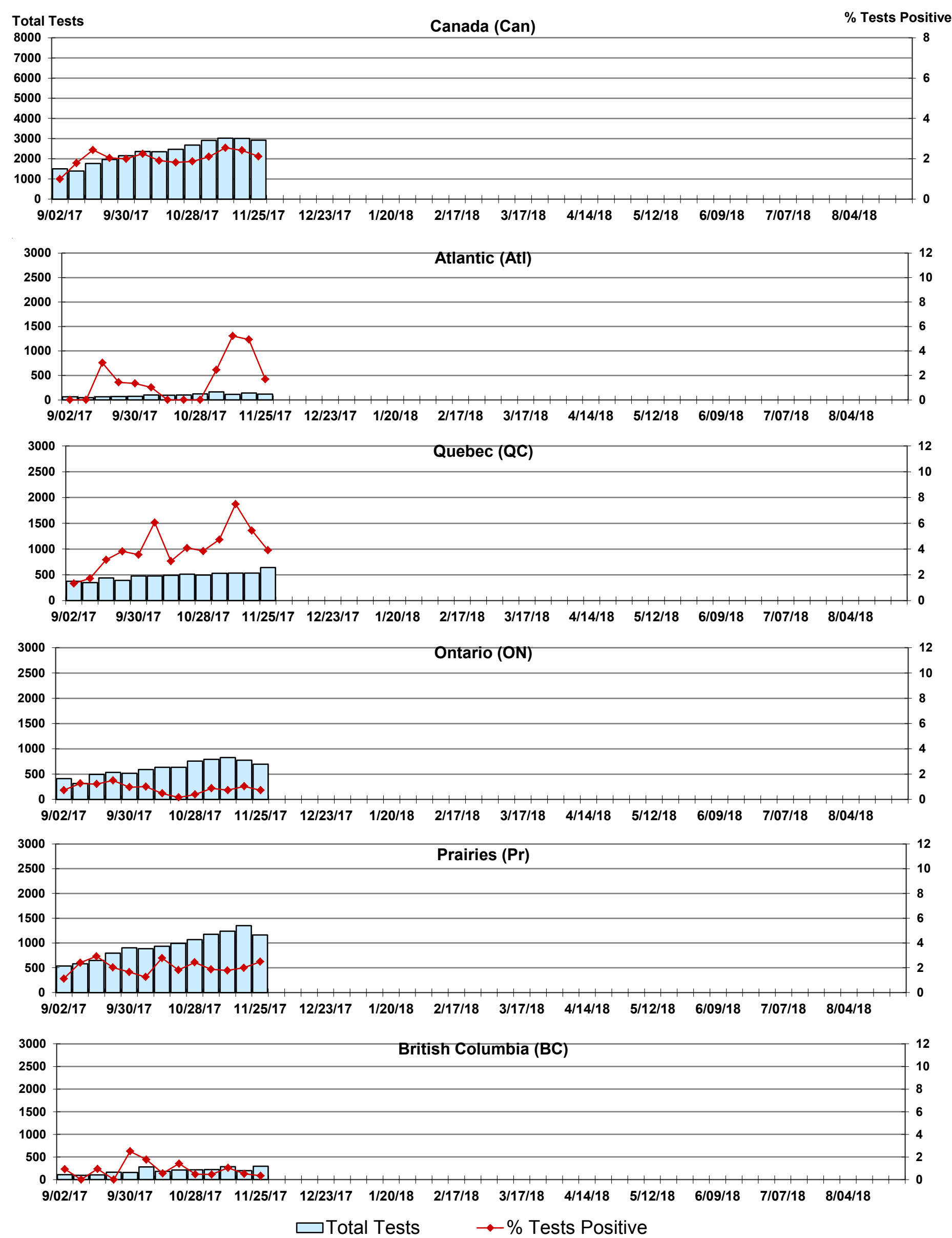


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

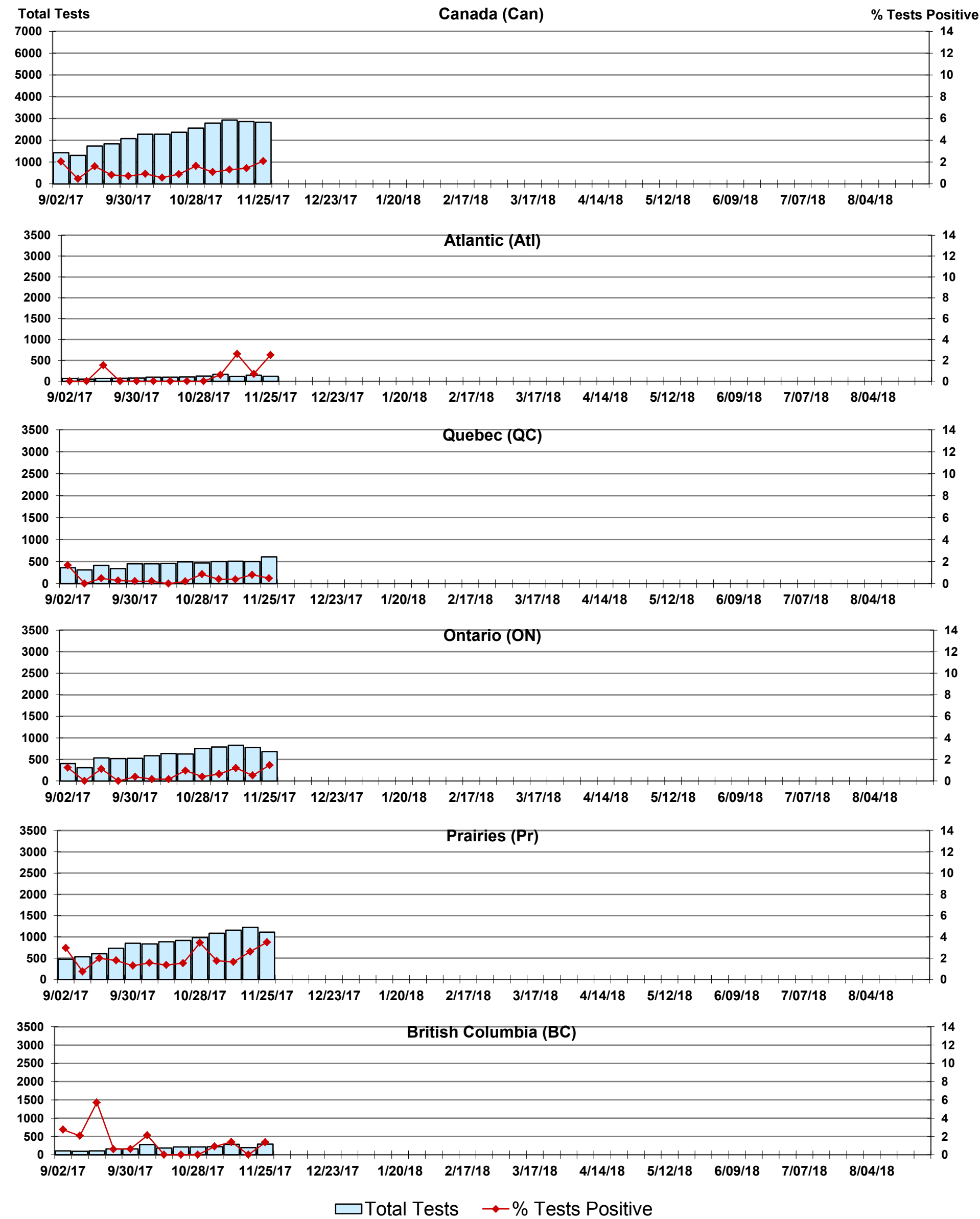


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

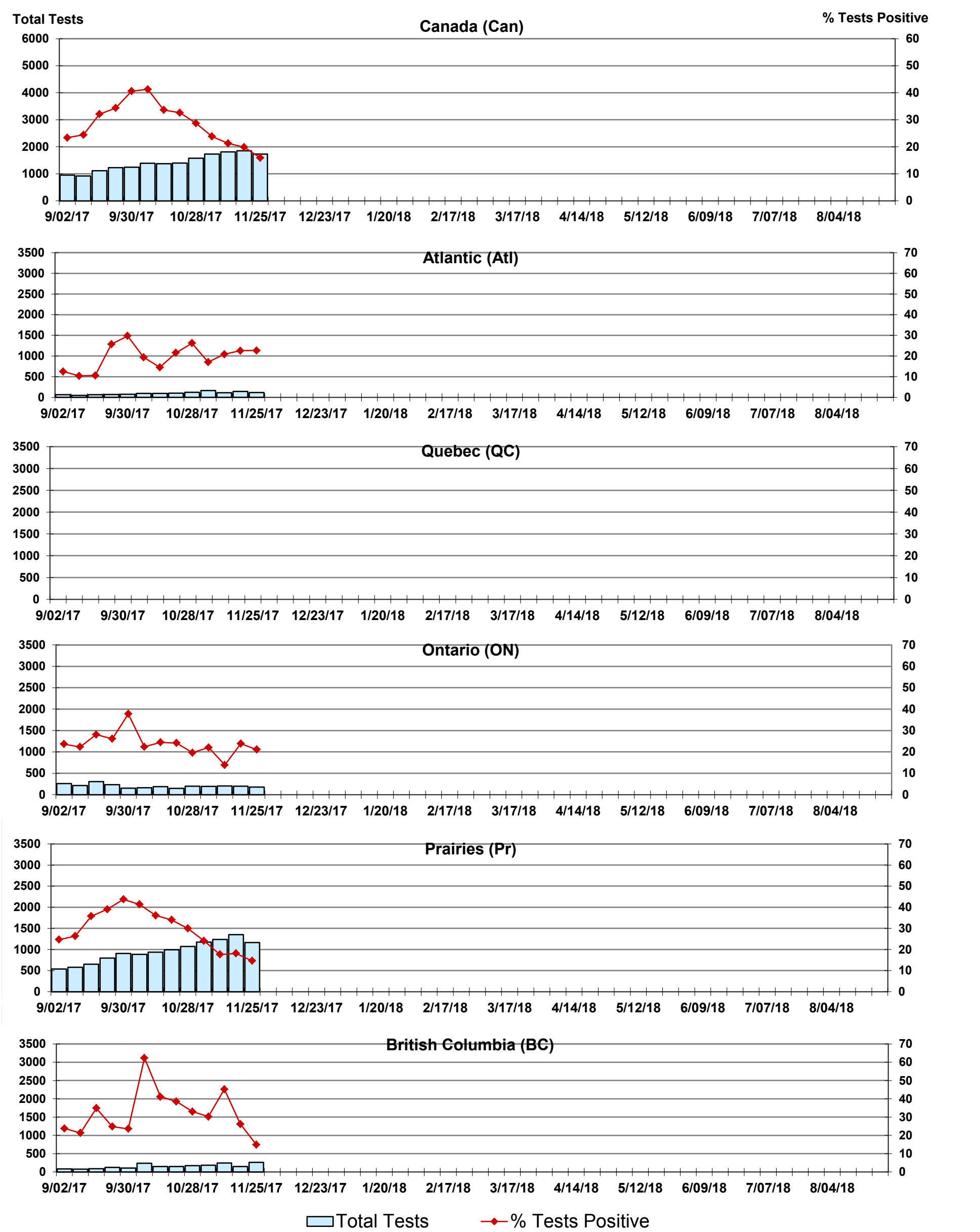
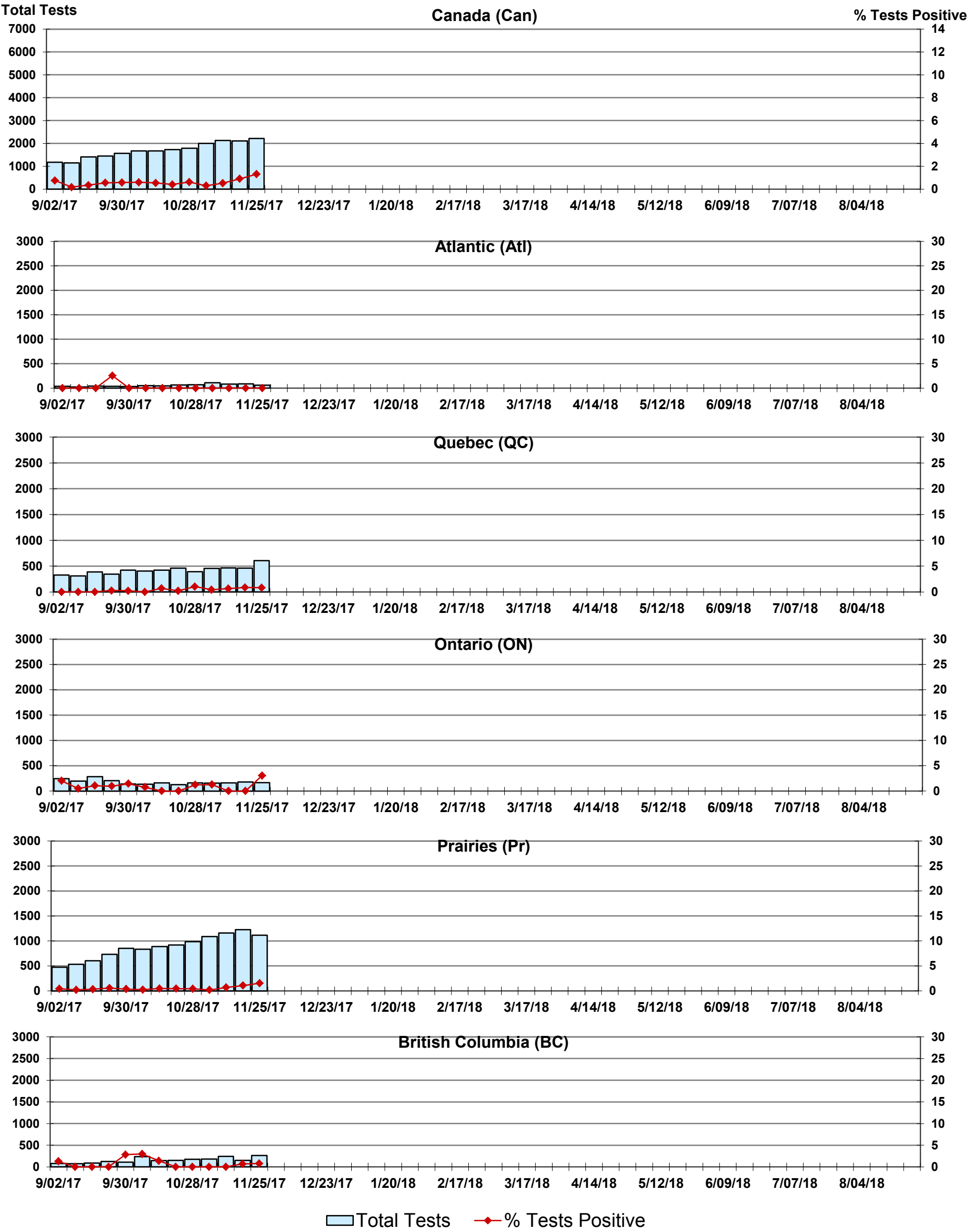


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.