

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 48 - ending December 01, 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 December 01, 2018 (Reporting Week 201848)

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.
Prince Edward Island	14	0	0	0	0	0	14	0	2	0	0	0	0	0	2	0	2	0	2	2	2	0
Nova Scotia	59	0	0	3	3	0	59	5	46	0	0	2	0	0	46	0	46	2	46	4	46	0
New Brunswick	169	0	0	13	13	0	171	1	91	0	0	1	5	0	91	6	91	1	91	8	91	0
Atlantic	242	0	0	16	16	0	244	6	139	0	0	3	5	0	139	6	139	3	139	14	139	0
Région Nord-Est	265	0	0	64	64	0	202	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	363	0	0	50	50	2	409	28	64	0	0	0	0	0	67	4	53	0	N.A.	N.A.	53	0
Centre-du-Québec	307	0	0	27	27	3	249	13	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	1021	0	0	57	57	1	995	113	608	3	8	0	2	0	608	27	597	1	N.A.	N.A.	597	21
Ouest du Québec	318	0	0	41	41	1	268	30	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	188	0	0	7	7	0	188	18	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	2462	0	0	246	246	7	2311	202	672	3	8	0	2	0	675	31	650	1	N.A.	N.A.	650	21
Ottawa P.H.L.	15	0	1	0	1	0	15	0	4	0	0	0	0	0	4	0	4	0	0	0	0	0
CHEO - Ottawa	195	0	0	8	8	0	195	9	37	0	0	0	0	0	39	0	37	0	39	11	37	1
Kingston P.H.L.	30	0	7	0	7	0	30	0	17	0	0	0	0	0	17	0	17	0	0	0	0	0
UHN / Mount Sinai Hospital	249	0	0	8	8	0	249	8	9	0	0	0	0	0	0	0	0	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	384	9	8	1	18	1	374	1	291	1	2	3	0	0	291	2	281	6	10	0	0	0
Sick Kids Hospital - Toronto	84	4	1	0	5	0	84	18	84	1	4	1	0	0	84	1	84	2	84	23	84	8
Sunnybrook & Women's College HSC	65	1	2	0	3	0	65	1	65	0	0	0	0	0	65	0	65	0	65	5	65	2
Sault Ste. Marie P.H.L.	5	0	0	0	0	0	5	0	3	0	0	0	0	0	3	0	3	0	0	0	0	0
Timmins P.H.L.	4	1	0	0	1	0	3	0	3	0	1	0	0	0	3	0	3	0	0	0	0	0
St. Joseph's - London	119	2	0	1	3	0	119	14	55	0	1	1	1	0	55	4	55	2	55	3	32	0
London P.H.L.	128	5	0	4	9	0	122	1	87	0	2	0	0	0	87	2	86	1	1	0	0	0
Orillia P.H.L.	23	0	0	0	0	0	21	0	13	0	0	0	0	0	13	0	11	0	2	0	0	0
Thunder Bay P.H.L.	10	1	0	0	1	0	8	0	8	0	0	0	0	0	8	0	7	0	1	0	0	0
Sudbury P.H.L.	11	0	0	0	0	0	11	0	11	0	0	0	0	0	11	0	11	0	0	0	0	0
Hamilton P.H.L.	100	5	1	1	7	0	95	0	70	0	1	1	0	0	70	0	68	0	2	0	0	0
Peterborough P.H.L.	22	0	0	0	0	0	22	0	12	0	0	0	0	0	12	0	11	0	1	0	0	0
Province of Ontario	1444	28	20	23	71	1	1418	52	769	2	11	6	1	0	762	9	743	11	260	42	218	11
Manitoba	327	15	0	59	74	0	327	4	154	0	0	0	0	0	154	0	95	0	154	9	95	2
Regina	382	128	3	12	143	0	382	3	382	0	4	3	3	0	382	8	382	2	382	50	382	2
Saskatoon	268	0	0	76	76	0	268	5	268	0	1	0	3	0	268	0	268	1	268	18	268	0
Province of Saskatchewan	650	128	3	88	219	0	650	8	650	0	5	3	6	0	650	8	650	3	650	68	650	2
Province of Alberta	1477	334	3	212	549	2	1055	0	1055	1	12	15	13	0	1055	6	1055	7	1055	142	1055	18
Prairies	2454	477	6	359	842	2	2032	12	1859	1	17	18	19	0	1859	14	1800	10	1859	219	1800	22
British Columbia	507	49	2	43	94	0	507	10	205	1	2	6	2	0	205	2	205	0	151	52	151	4
Yukon	20	0	0	0	0	0	20	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	41	17	0	0	17	0	41	0	41	0	0	2	0	0	41	0	41	0	41	9	41	0
Nunavut	2	1	0	0	1	0	2	0	2	0	0	0	0	0	2	0	2	0	2	0	2	0
Territories	63	18	0	0	18	0	63	0	43	0	0	2	0	0	43	0	43	0	43	9	43	0
CANADA	7172	572	28	687	1287	10	6575	282	3687	7	38	35	29	0	3683	62	3580	25	2452	336	3001	58

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 - December 01, 2018 (Reporting Weeks 201835-201848)

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	179	4	0	0	4	0	176	0	43	0	0	1	3	0	38	4	38	0	38	17	38	0
Nova Scotia	407	0	0	10	10	0	411	12	279	0	1	6	1	0	279	0	279	3	279	48	279	0
New Brunswick	1653	3	0	22	25	0	1655	10	724	0	8	4	15	0	724	49	724	1	724	156	724	1
Atlantic	2762	8	0	34	42	1	2765	36	1569	0	10	23	19	0	1564	61	1564	4	1564	325	1041	1
Région Nord-Est	1593	0	0	163	163	0	1294	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	1674	0	0	134	134	4	1792	71	909	2	21	4	5	0	939	39	823	1	N.A.	N.A.	821	2
Centre-du-Québec	1217	0	0	39	39	6	1112	32	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	8659	0	0	137	137	5	8716	340	6207	27	108	25	23	0	6207	210	6047	15	N.A.	N.A.	6048	70
Ouest du Québec	1310	0	0	71	71	2	1102	60	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	1286	0	0	34	34	1	1273	59	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	15739	0	0	578	578	18	15289	562	7116	29	129	29	28	0	7146	249	6870	16	N.A.	N.A.	6869	72
Ottawa P.H.L.	193	1	6	0	7	0	188	0	165	0	0	1	0	0	165	0	155	0	11	0	0	0
CHEO - Ottawa	1806	0	0	26	26	4	1806	34	324	0	6	3	0	0	326	12	324	1	326	116	324	2
Kingston P.H.L.	252	0	7	0	7	0	252	1	237	0	0	0	0	0	237	0	226	0	38	0	0	0
UHN / Mount Sinai Hospital	2895	0	0	30	30	4	2895	43	191	0	2	0	2	0	0	0	167	2	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	4150	31	37	3	71	17	4094	32	3859	12	39	13	0	0	3860	21	3765	15	177	0	0	0
Sick Kids Hospital - Toronto	741	10	3	0	13	0	741	62	741	3	20	10	12	0	741	16	741	6	741	267	741	22
Sunnybrook & Women's College HSC	688	11	4	1	16	0	688	2	688	0	3	5	1	0	688	0	688	5	688	93	688	10
Sault Ste. Marie P.H.L.	79	0	0	0	0	0	79	1	77	0	0	0	0	0	77	0	76	0	1	0	0	0
Timmins P.H.L.	72	1	0	0	1	0	71	0	71	0	2	2	0	0	71	0	67	0	7	0	0	0
St. Joseph's - London	651	3	0	2	5	0	651	31	419	1	2	5	5	0	419	17	419	6	366	111	333	1
London P.H.L.	892	19	0	4	23	1	867	10	785	0	11	1	0	0	785	5	761	2	42	0	0	0
Orillia P.H.L.	213	0	0	0	0	0	211	1	197	0	0	1	0	0	197	1	192	0	7	0	0	0
Thunder Bay P.H.L.	82	2	0	0	2	0	79	0	79	1	0	2	0	0	79	0	75	0	4	0	0	0
Sudbury P.H.L.	176	0	0	0	0	0	176	2	176	1	1	0	0	0	176	1	158	0	23	0	0	0
Hamilton P.H.L.	876	12	3	2	17	1	859	6	809	1	6	3	0	0	809	5	793	2	30	0	0	0
Peterborough P.H.L.	379	2	1	0	3	0	377	3	359	2	1	0	0	0	359	0	357	0	4	0	0	0
Province of Ontario	14145	92	61	68	221	27	14034	228	9177	21	93	46	20	0	8989	78	8964	39	2465	587	2086	35
Manitoba	2909	91	3	86	180	0	2890	28	1767	0	4	7	8	0	1767	17	850	4	1767	273	884	5
Regina	2648	323	11	25	359	0	2648	6	4581	0	18	19	17	0	2648	50	2648	8	2648	769	2648	4
Saskatoon	1825	0	0	287	287	0	1825	15	1825	1	3	3	4	0	1825	23	1825	2	1825	187	1825	1
Province of Saskatchewan	4473	323	11	312	646	0	4473	21	6406	1	21	22	21	0	4473	73	4473	10	4473	956	4473	5
Province of Alberta	11270	1568	42	938	2548	18	9025	0	9025	9	72	98	88	0	9025	124	9025	67	9025	1989	9025	69
Prairies	18652	1982	56	1336	3374	18	16388	49	17198	10	97	127	117	0	15265	214	14348	81	15265	3218	14382	79
British Columbia	4568	127	43	90	260	3	4568	37	2945	5	23	53	40	0	2945	39	2945	5	2391	772	2391	22
Yukon	86	0	0	0	0	0	86	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	172	27	0	0	27	0	170	0	170	0	0	7	0	0	170	6	170	1	170	43	170	2
Nunavut	23	5	0	0	5	0	23	0	23	0	0	0	0	0	23	3	22	0	23	9	22	0
Territories	281	32	0	0	32	0	279	0	193	0	0	7	0	0	193	9	192	1	193	52	192	2
CANADA	56147	2241	160	2106	4507	67	53323	912	38198	65	352	285	224	0	36102	650	34883	146	21878	4954	26961	211

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

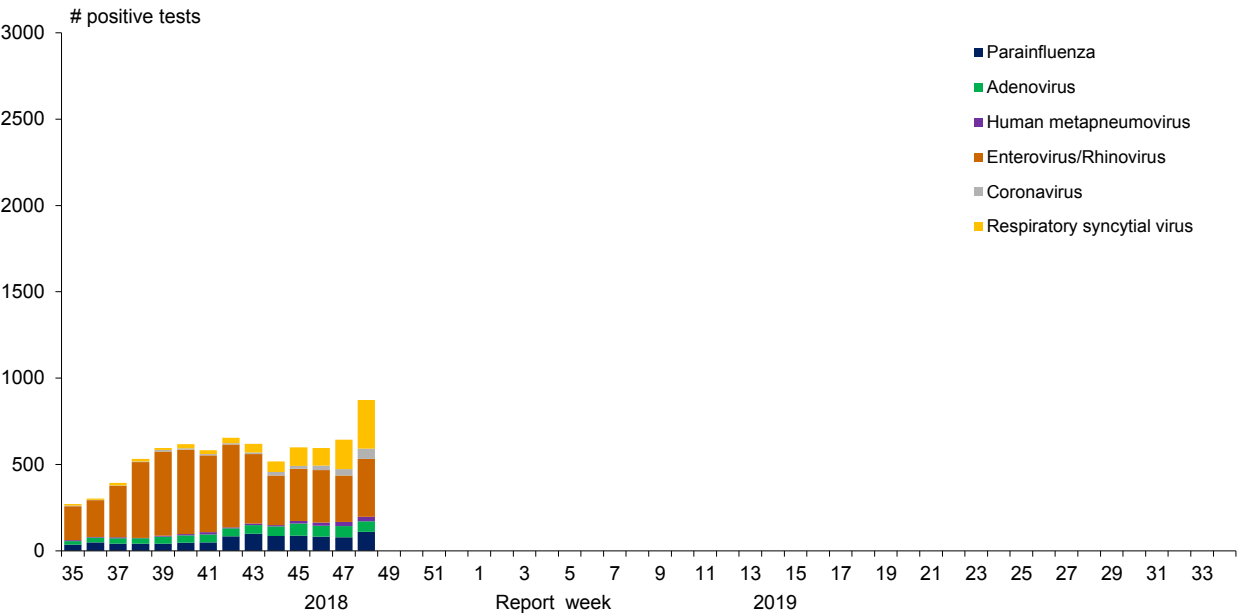


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

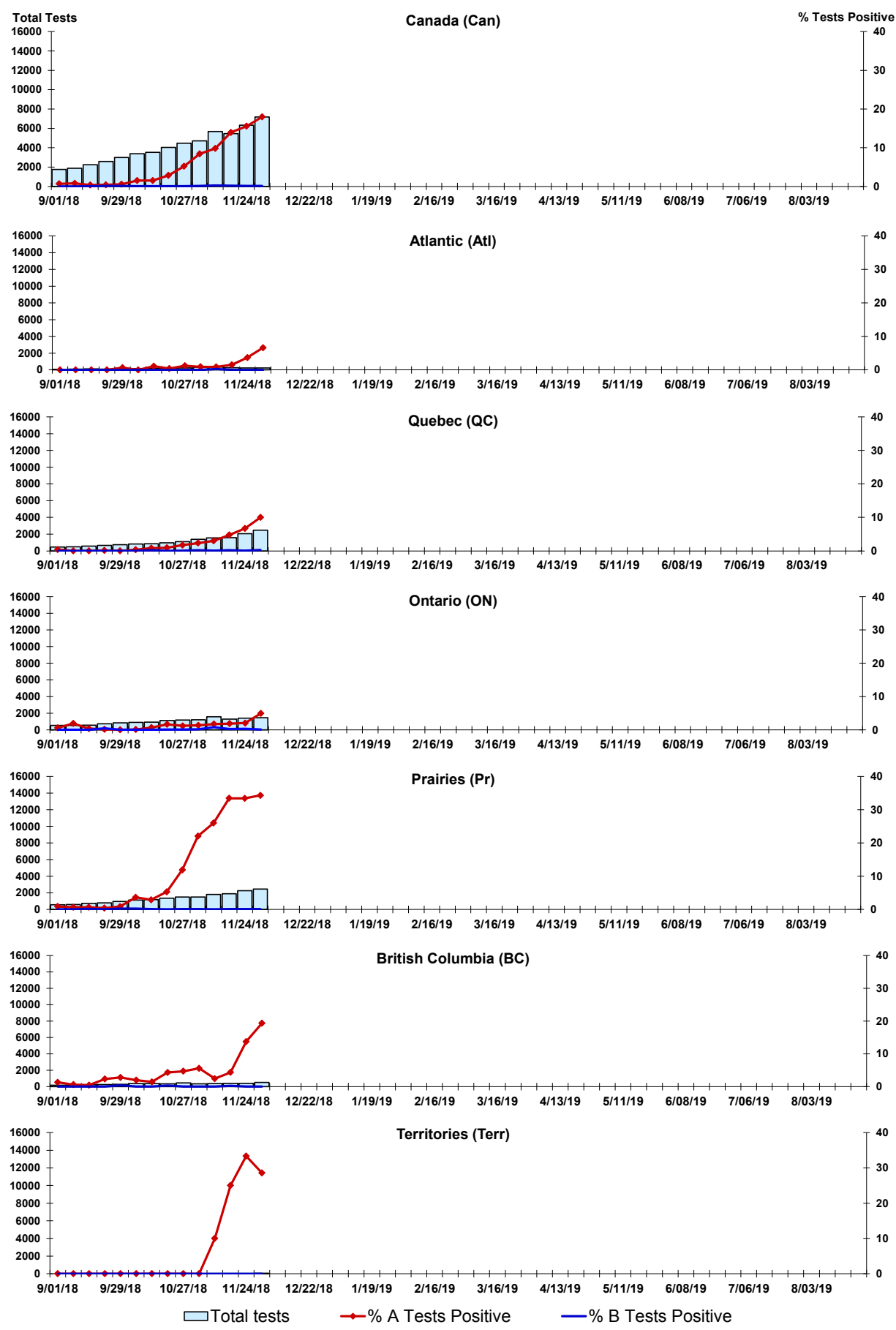


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

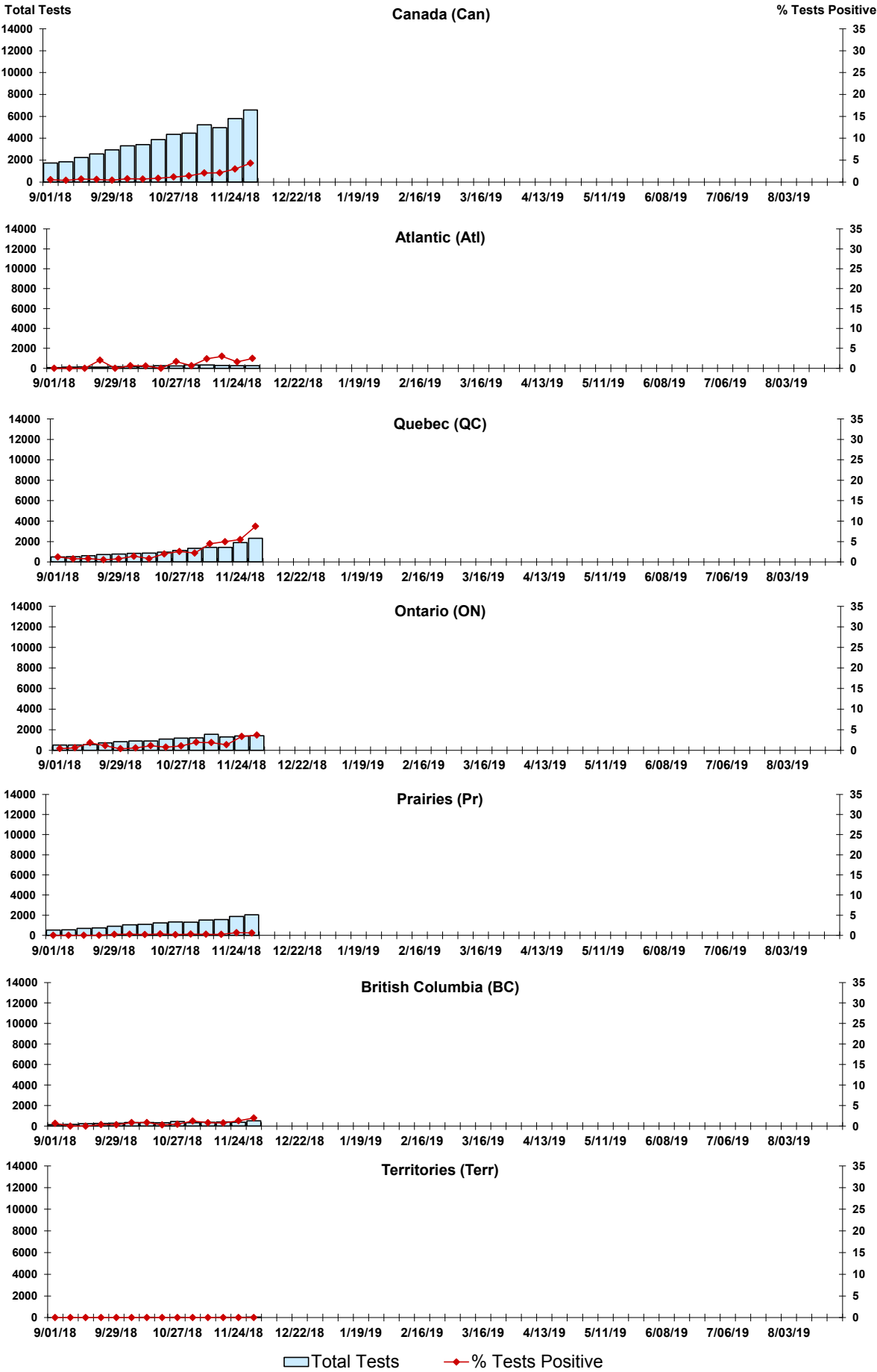


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

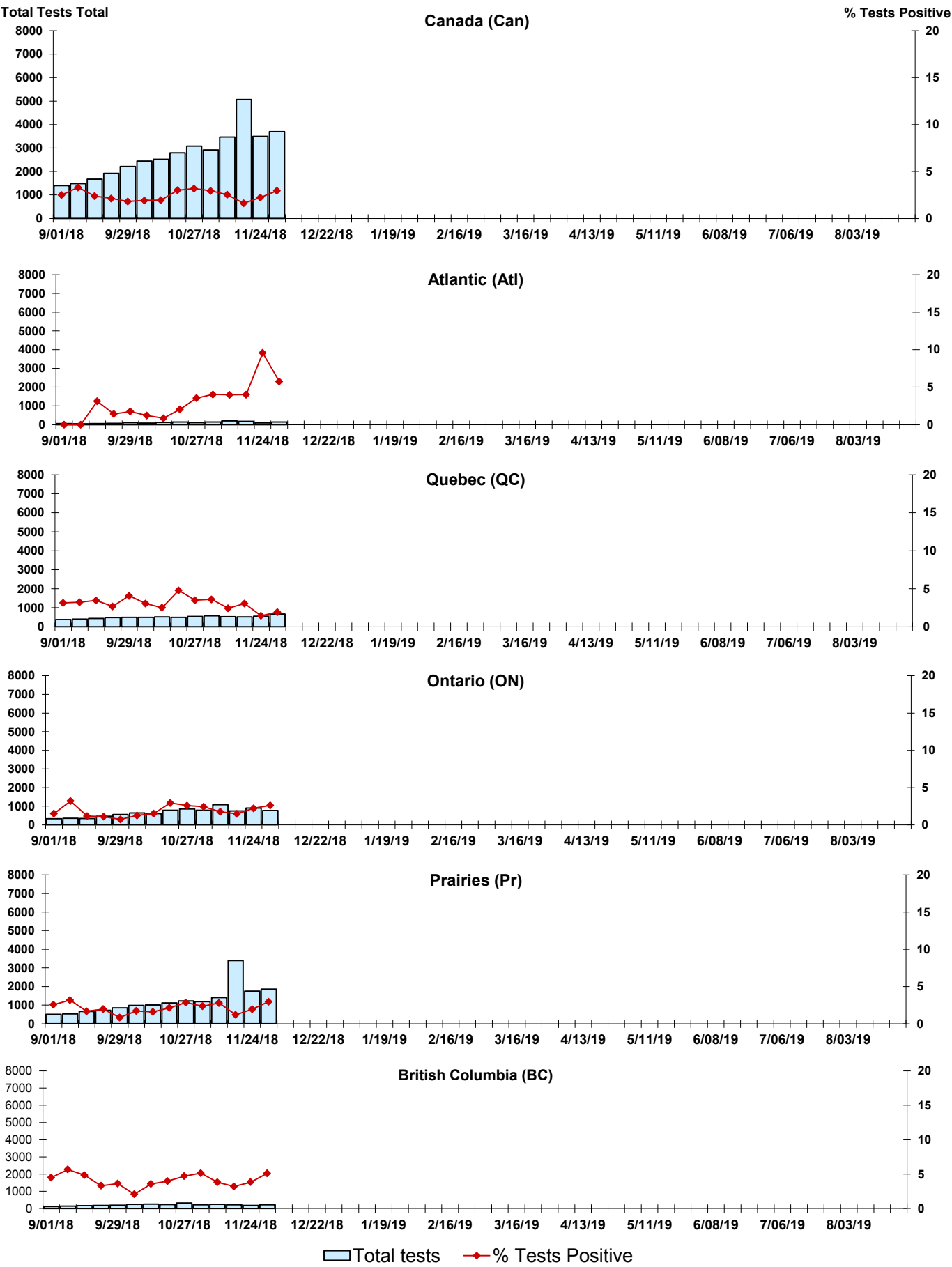


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

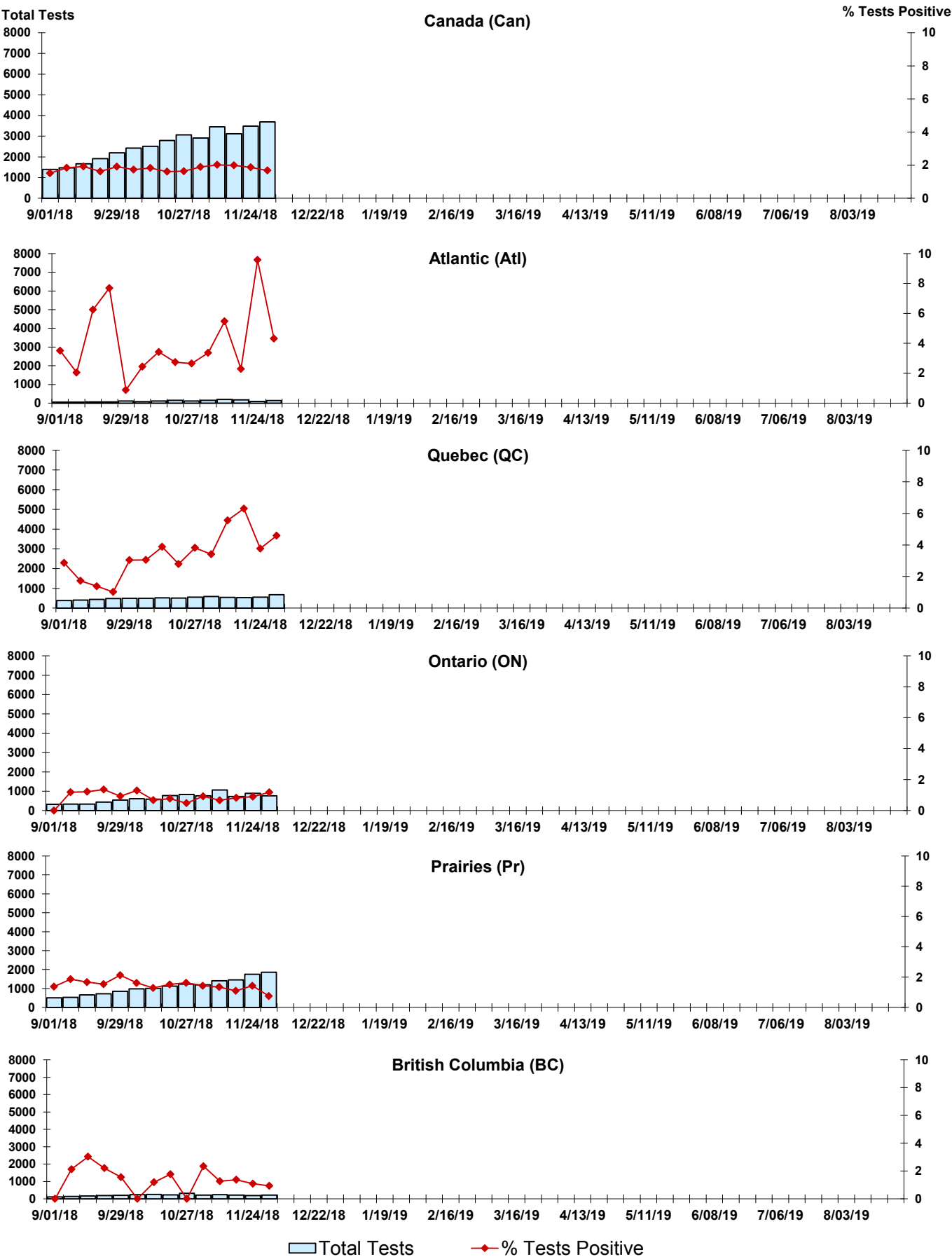


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

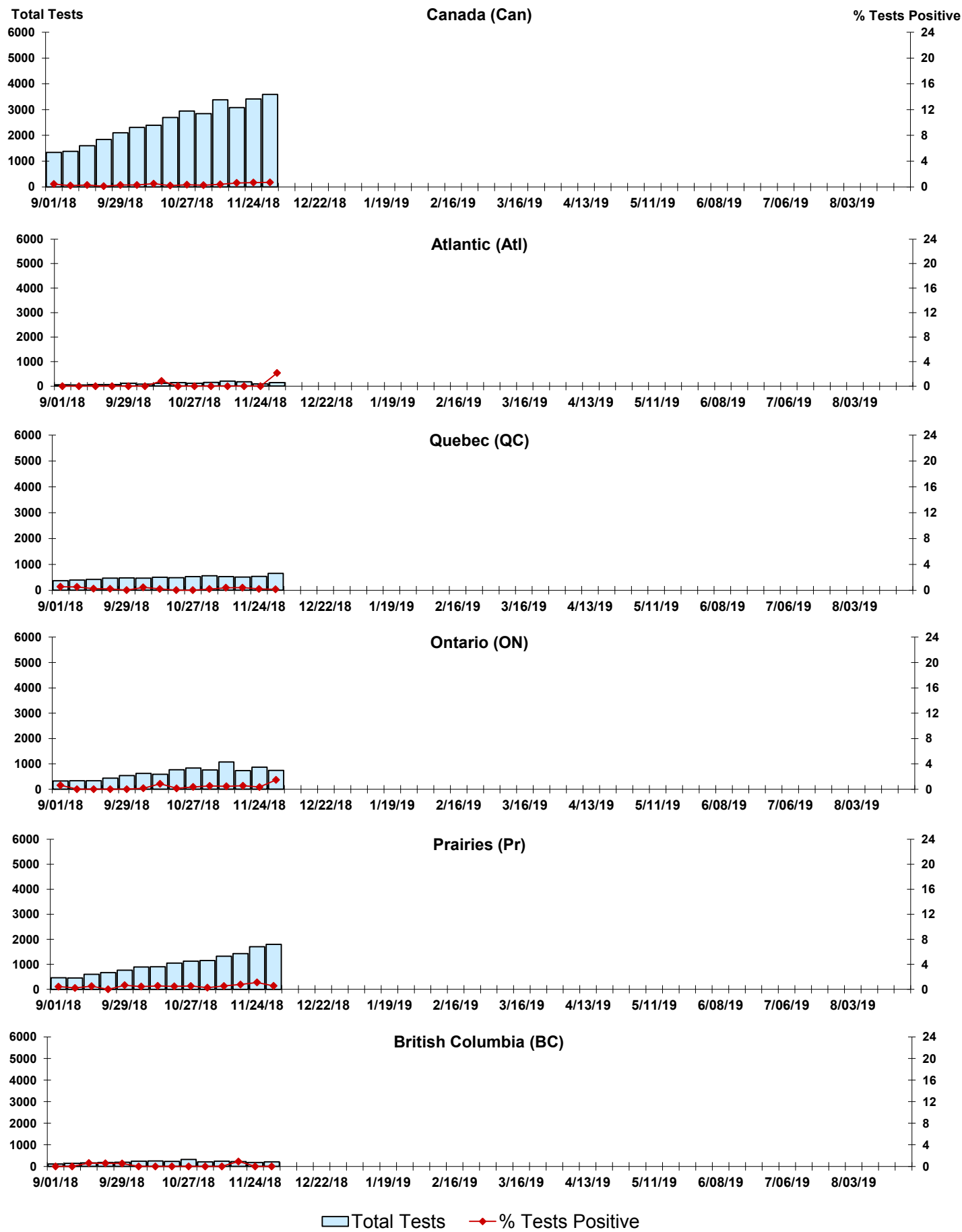


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

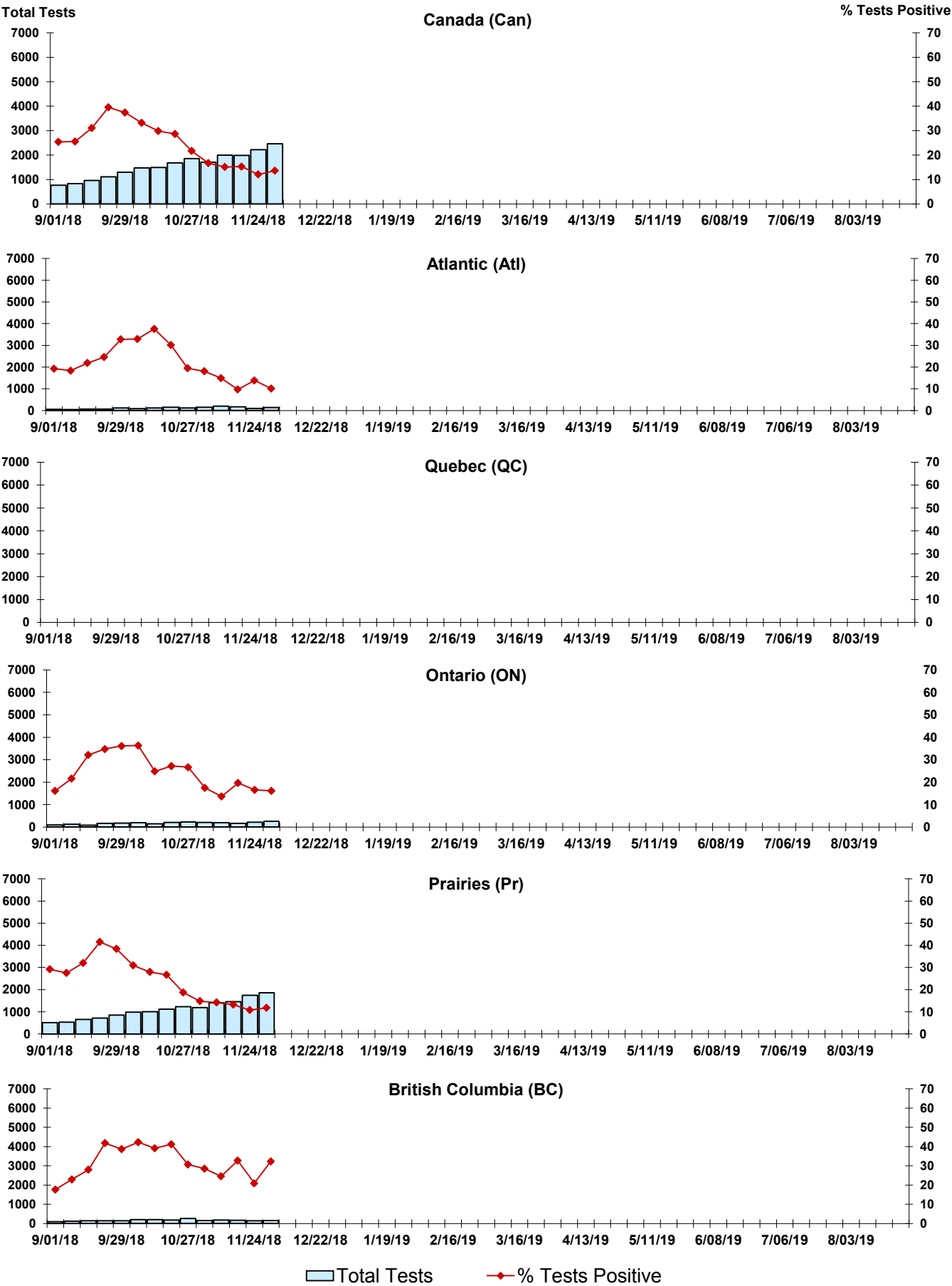
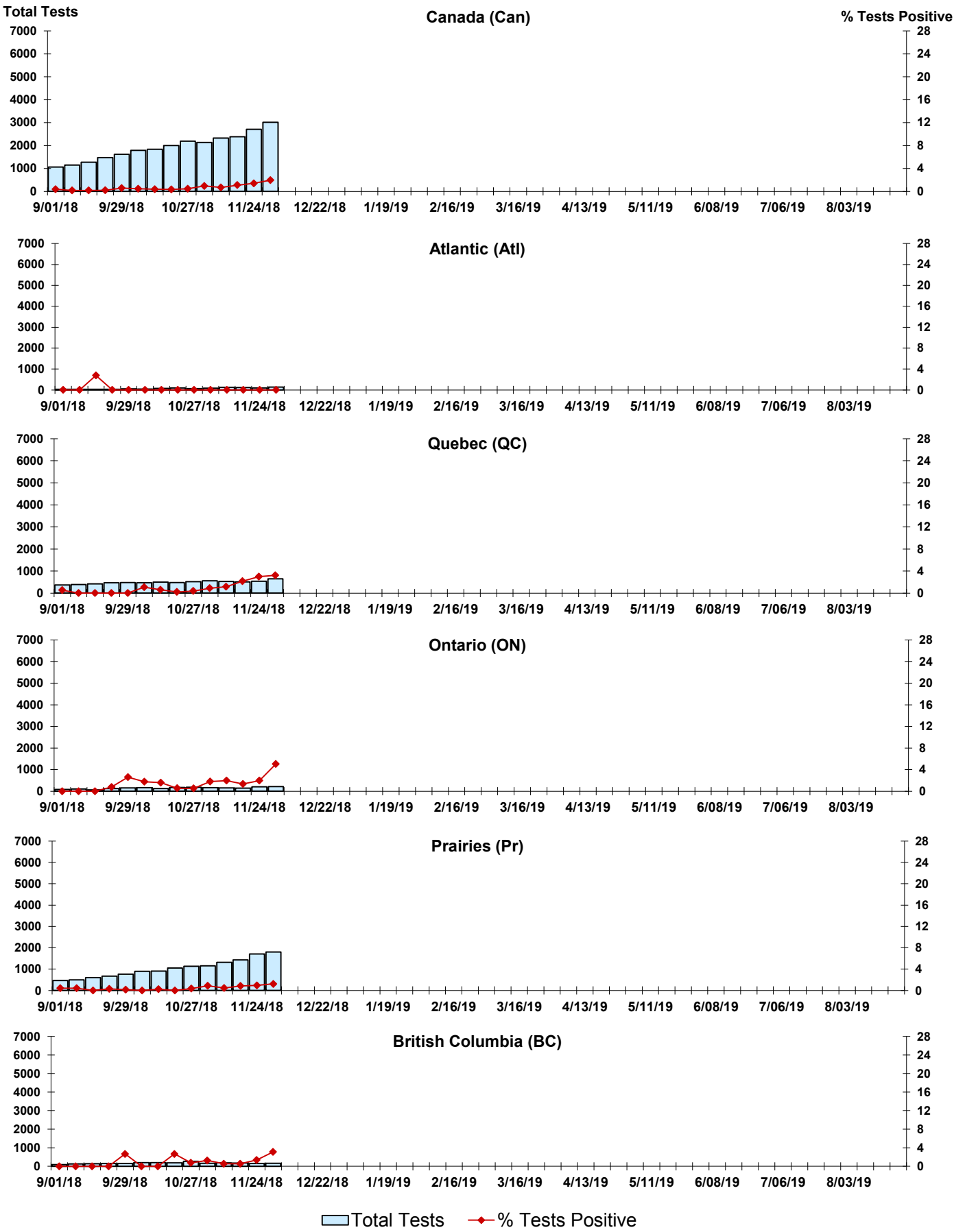


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.