

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 44 - ending November 3, 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 3, 2018 (Reporting Week 201844)

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	67	1	0	0	1	0	67	1	67	0	0	2	0	0	67	2	67	0	67	10	N.A.	N.A.
Prince Edward Island	10	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nova Scotia	19	0	0	1	1	0	19	1	12	0	0	0	0	0	12	0	12	0	12	1	12	0
New Brunswick	226	1	0	0	1	0	226	0	70	0	2	0	2	0	70	3	70	0	70	16	70	0
Atlantic	322	2	0	1	3	0	322	2	149	0	2	2	2	0	149	5	149	0	149	27	82	0
Région Nord-Est	147	0	0	5	5	0	116	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	220	0	0	13	13	0	226	4	90	0	4	0	0	0	93	3	80	0	N.A.	N.A.	80	0
Centre-du-Québec	82	0	0	1	1	1	85	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	718	0	0	6	6	1	711	18	493	1	12	3	1	0	493	17	480	1	N.A.	N.A.	480	5
Ouest du Québec	103	0	0	5	5	1	89	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	101	0	0	2	2	0	101	6	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	1371	0	0	32	32	3	1328	29	583	1	16	3	1	0	586	20	560	1	N.A.	N.A.	560	5
Ottawa P.H.L.	16	0	0	0	0	0	13	0	13	0	0	0	0	0	13	0	12	0	1	0	0	0
CHEO - Ottawa	192	0	0	5	5	0	192	4	23	0	2	0	0	0	23	1	23	0	23	4	23	0
Kingston P.H.L.	21	0	0	0	0	0	21	0	21	0	0	0	0	0	21	0	19	0	3	0	0	0
UHN / Mount Sinai Hospital	245	0	0	3	3	0	245	3	14	0	1	0	1	0	0	0	14	1	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	296	0	0	0	0	2	296	6	296	2	5	1	0	0	296	0	289	1	7	0	0	0
Sick Kids Hospital - Toronto	55	2	0	0	2	0	55	7	55	1	1	0	1	0	55	0	55	1	55	15	55	2
Sunnybrook & Women's College HSC	56	0	1	0	1	0	56	1	56	0	0	0	0	0	56	0	56	0	56	5	56	1
Sault Ste. Marie P.H.L.	12	0	0	0	0	0	12	0	12	0	0	0	0	0	12	0	12	0	0	0	0	0
Timmins P.H.L.	2	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0
St. Joseph's - London	61	1	0	0	1	0	61	1	48	0	0	0	0	0	48	4	48	1	34	12	34	0
London P.H.L.	84	1	0	0	1	0	83	1	83	0	2	1	0	0	83	1	78	0	5	0	0	0
Orillia P.H.L.	20	0	0	0	0	0	15	0	15	0	0	0	0	0	15	0	15	0	0	0	0	0
Thunder Bay P.H.L.	7	1	0	0	1	0	6	0	6	0	0	0	0	0	6	0	6	0	0	0	0	0
Sudbury P.H.L.	16	0	0	0	0	0	16	0	16	0	0	0	0	0	16	0	14	0	2	0	0	0
Hamilton P.H.L.	74	0	1	1	2	0	73	0	73	0	1	0	0	0	73	1	71	0	2	0	0	0
Peterborough P.H.L.	35	0	0	0	0	0	35	0	35	0	0	0	0	0	35	0	35	0	0	0	0	0
Province of Ontario	1192	5	2	9	16	2	1181	23	768	3	12	2	2	0	754	7	749	4	188	36	168	3
Manitoba	209	11	2	1	14	0	209	3	101	0	3	0	2	0	101	0	65	0	101	20	65	1
Regina	192	31	0	1	32	0	192	0	192	0	2	1	2	0	192	5	192	0	192	48	192	0
Saskatoon	129	0	0	10	10	0	129	2	129	0	0	0	1	0	129	0	129	0	129	7	129	0
Province of Saskatchewan	321	31	0	11	42	0	321	2	321	0	2	1	3	0	321	5	321	0	321	55	321	0
Province of Alberta	844	146	4	78	228	1	674	0	674	0	3	3	8	0	674	11	674	0	674	100	674	8
Prairies	1374	188	6	90	284	1	1204	5	1096	0	8	4	13	0	1096	16	1060	0	1096	175	1060	9
British Columbia	323	8	5	5	18	0	323	4	197	0	2	4	5	0	197	5	197	0	144	43	144	0
Yukon	3	0	0	0	0	0	3	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	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
Nunavut	1	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	1	1	1	0
Territories	7	0	0	0	0	0	7	0	4	0	0	0	0	0	4	0	4	0	4	1	4	0
CANADA	4589	203	13	137	353	6	4365	63	2797	4	40	15	23	0	2786	53	2719	5	1581	282	2018	17

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 3, 2018 (Reporting Weeks 201835-201844)

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	394	1	0	1	2	0	394	4	394	0	1	9	0	0	394	7	394	0	394	93	N.A.	N.A.
Prince Edward Island	81	1	0	0	1	0	78	0	27	0	0	1	0	0	22	2	22	0	22	10	22	0
Nova Scotia	180	0	0	3	3	0	183	1	107	0	0	1	0	0	107	0	107	1	107	30	107	0
New Brunswick	1017	1	0	3	4	0	1015	5	432	0	3	2	3	0	432	22	432	0	432	118	432	1
Atlantic	1672	3	0	7	10	0	1670	10	960	0	4	13	3	0	955	31	955	1	955	251	561	1
Région Nord-Est	616	0	0	23	23	0	528	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	573	0	0	19	19	1	759	7	628	1	17	2	2	0	644	25	571	1	N.A.	N.A.	570	0
Centre-du-Québec	452	0	0	2	2	3	453	5	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	5366	0	0	20	20	1	5493	87	4206	19	84	22	18	0	4206	109	4080	9	N.A.	N.A.	4081	18
Ouest du Québec	524	0	0	5	5	1	442	8	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	568	0	0	4	4	0	555	14	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	8099	0	0	73	73	6	8230	121	4834	20	101	24	20	0	4850	134	4651	10	N.A.	N.A.	4651	18
Ottawa P.H.L.	117	0	4	0	4	0	110	0	110	0	0	1	0	0	110	0	105	0	6	0	0	0
CHEO - Ottawa	1142	0	0	15	15	0	1142	11	227	0	6	3	0	0	227	12	227	1	227	88	227	1
Kingston P.H.L.	161	0	0	0	0	0	161	0	161	0	0	0	0	0	161	0	154	0	27	0	0	0
UHN / Mount Sinai Hospital	1918	0	0	14	14	2	1918	14	130	0	2	0	2	0	0	0	130	1	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	2339	9	13	0	22	5	2310	25	2310	8	27	7	0	0	2310	9	2242	5	120	0	0	0
Sick Kids Hospital - Toronto	475	4	1	0	5	0	475	15	475	2	11	6	9	0	475	14	475	4	475	193	475	5
Sunnybrook & Women's College HSC	425	2	2	0	4	0	425	1	425	0	0	3	0	0	425	0	425	2	425	75	425	8
Sault Ste. Marie P.H.L.	53	0	0	0	0	0	53	0	53	0	0	0	0	0	53	0	52	0	1	0	0	0
Timmins P.H.L.	35	0	0	0	0	0	35	0	35	0	1	1	0	0	35	0	31	0	7	0	0	0
St. Joseph's - London	235	1	0	0	1	0	235	1	222	0	1	3	1	0	222	7	222	2	208	85	213	0
London P.H.L.	468	1	0	0	1	0	461	7	461	0	5	1	0	0	461	2	442	0	32	0	0	0
Orillia P.H.L.	132	0	0	0	0	0	127	0	127	0	0	0	0	0	127	0	125	0	3	0	0	0
Thunder Bay P.H.L.	41	1	0	0	1	0	40	0	40	1	0	2	0	0	40	0	38	0	2	0	0	0
Sudbury P.H.L.	96	0	0	0	0	0	96	1	96	1	0	0	0	0	96	0	83	0	13	0	0	0
Hamilton P.H.L.	516	2	1	1	4	0	508	6	508	1	2	1	0	0	508	4	495	1	19	0	0	0
Peterborough P.H.L.	264	0	0	0	0	0	264	3	264	1	1	0	0	0	264	0	263	0	3	0	0	0
Province of Ontario	8417	20	21	30	71	7	8360	84	5644	14	56	28	12	0	5514	48	5509	16	1568	441	1340	14
Manitoba	1856	37	2	2	41	0	1837	8	1234	0	4	7	7	0	1234	10	530	0	1234	219	564	1
Regina	1563	63	6	4	73	0	1563	2	1563	0	12	10	10	0	1563	31	1563	0	1563	575	1563	0
Saskatoon	945	0	0	30	30	0	945	8	945	1	0	1	2	0	945	21	945	0	945	165	945	1
Province of Saskatchewan	2508	63	6	34	103	0	2508	10	2508	1	12	11	12	0	2508	52	2508	0	2508	740	2508	1
Province of Alberta	5775	303	24	162	489	10	4960	0	4960	7	40	42	36	0	4960	77	4960	31	4960	1459	4960	20
Prairies	10139	403	32	198	633	10	9305	18	8702	8	56	60	55	0	8702	139	7998	31	8702	2418	8032	22
British Columbia	2909	27	34	22	83	2	2909	16	2091	3	16	36	32	0	2091	29	2091	3	1725	587	1725	13
Yukon	50	0	0	0	0	0	50	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	87	0	0	0	0	0	87	0	87	0	0	4	0	0	87	5	87	1	87	26	87	2
Nunavut	15	0	0	0	0	0	15	0	15	0	0	0	0	0	15	3	14	0	15	9	14	0
Territories	152	0	0	0	0	0	152	0	102	0	0	4	0	0	102	8	101	1	102	35	101	2
CANADA	31388	453	87	330	870	25	30626	249	22333	45	233	165	122	0	22214	389	21305	62	13052	3732	16410	70

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

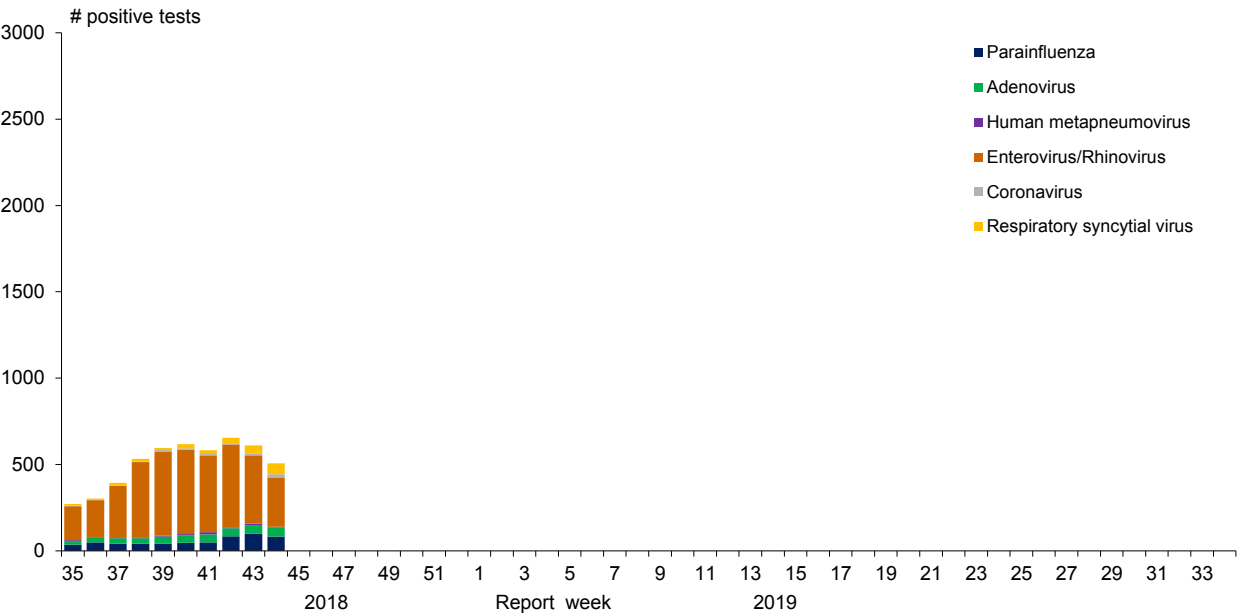


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

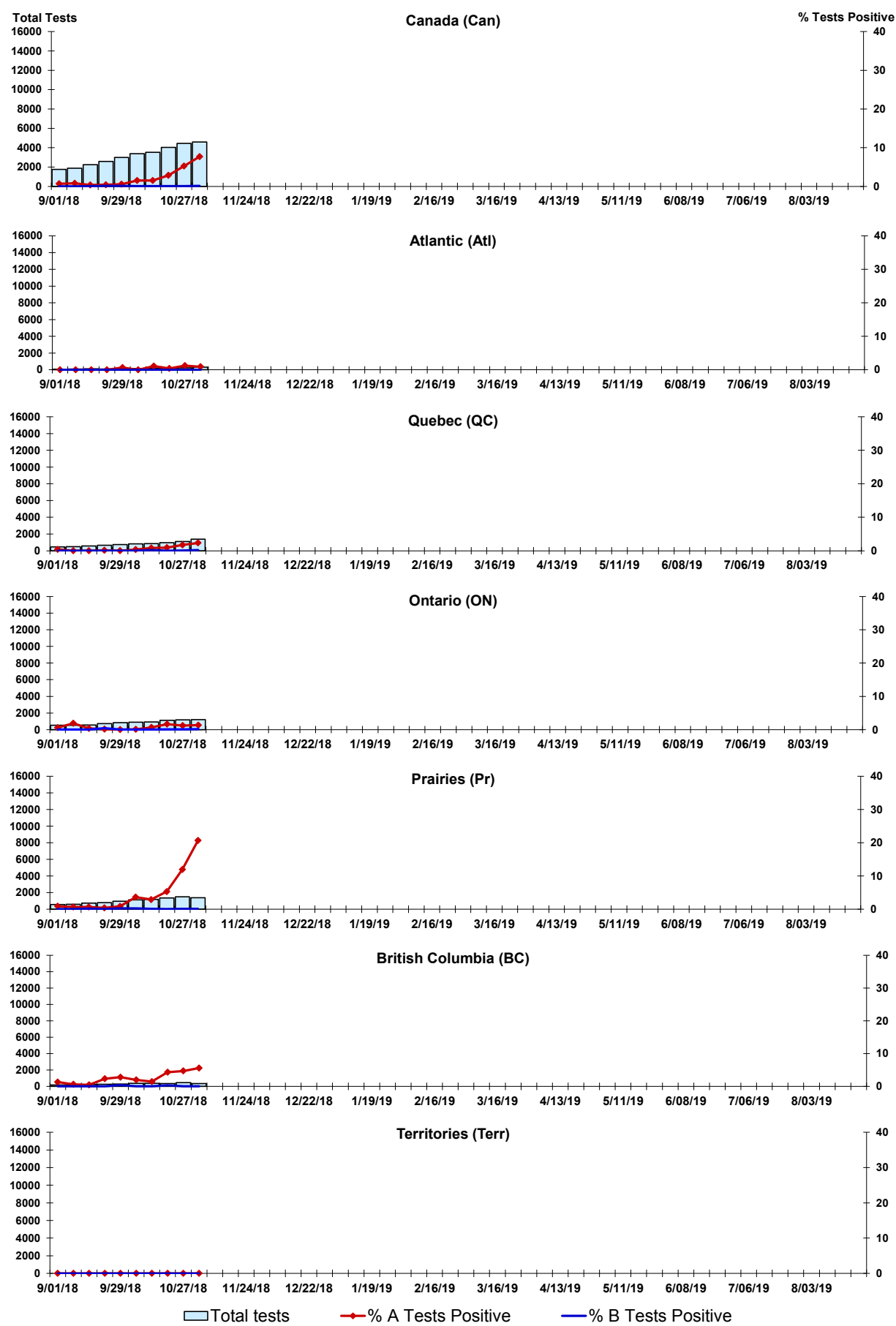


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

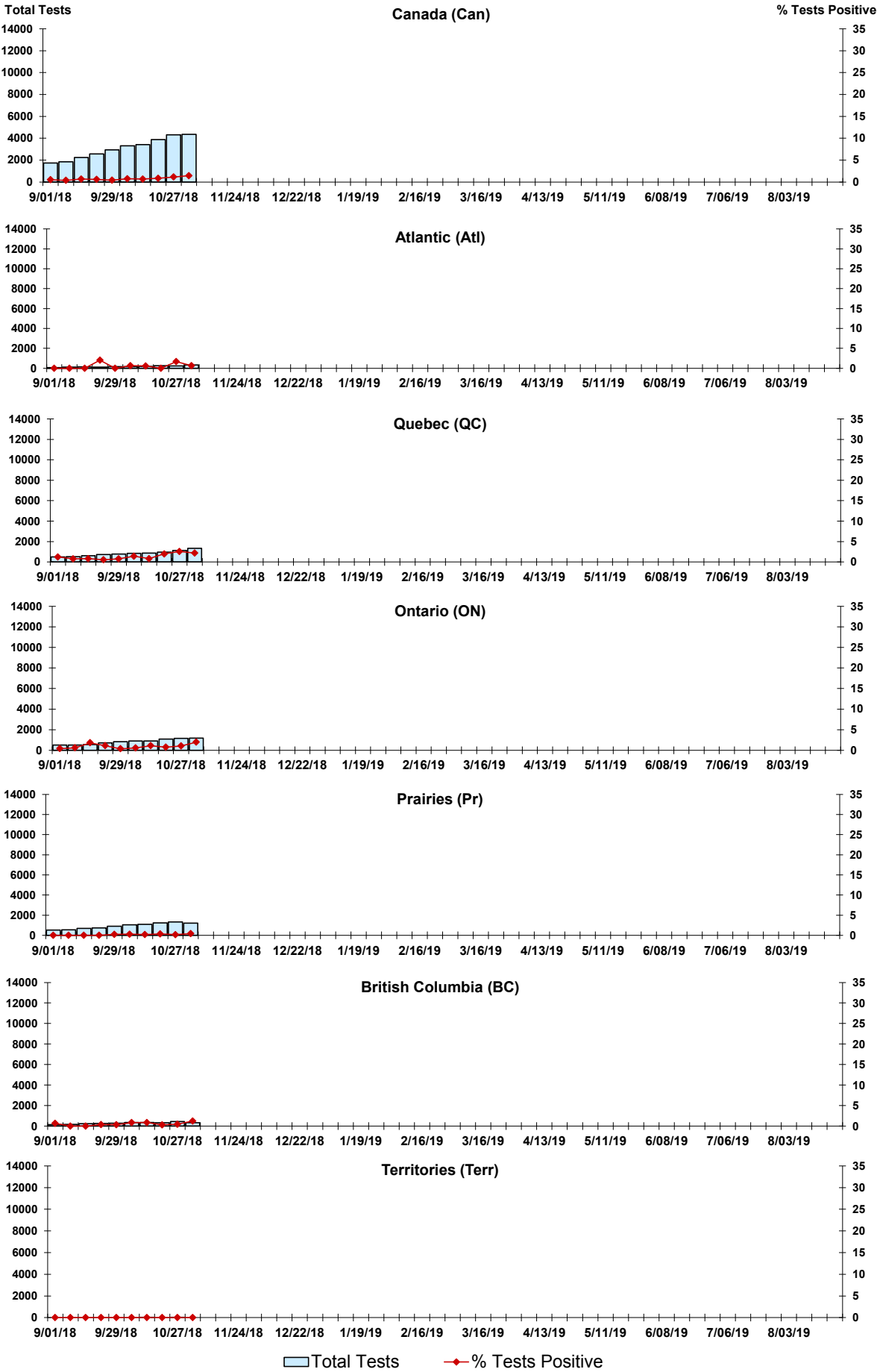


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

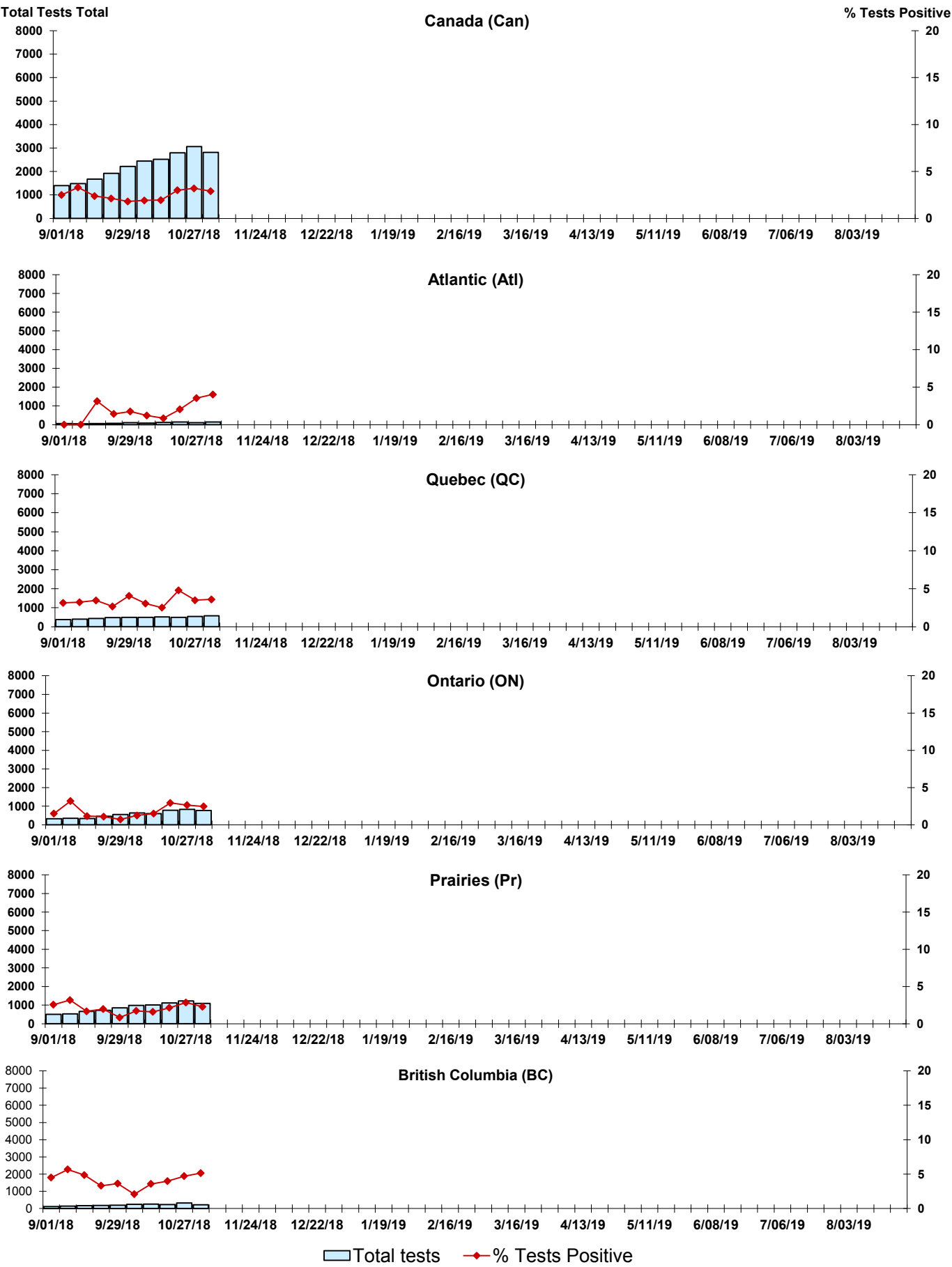


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

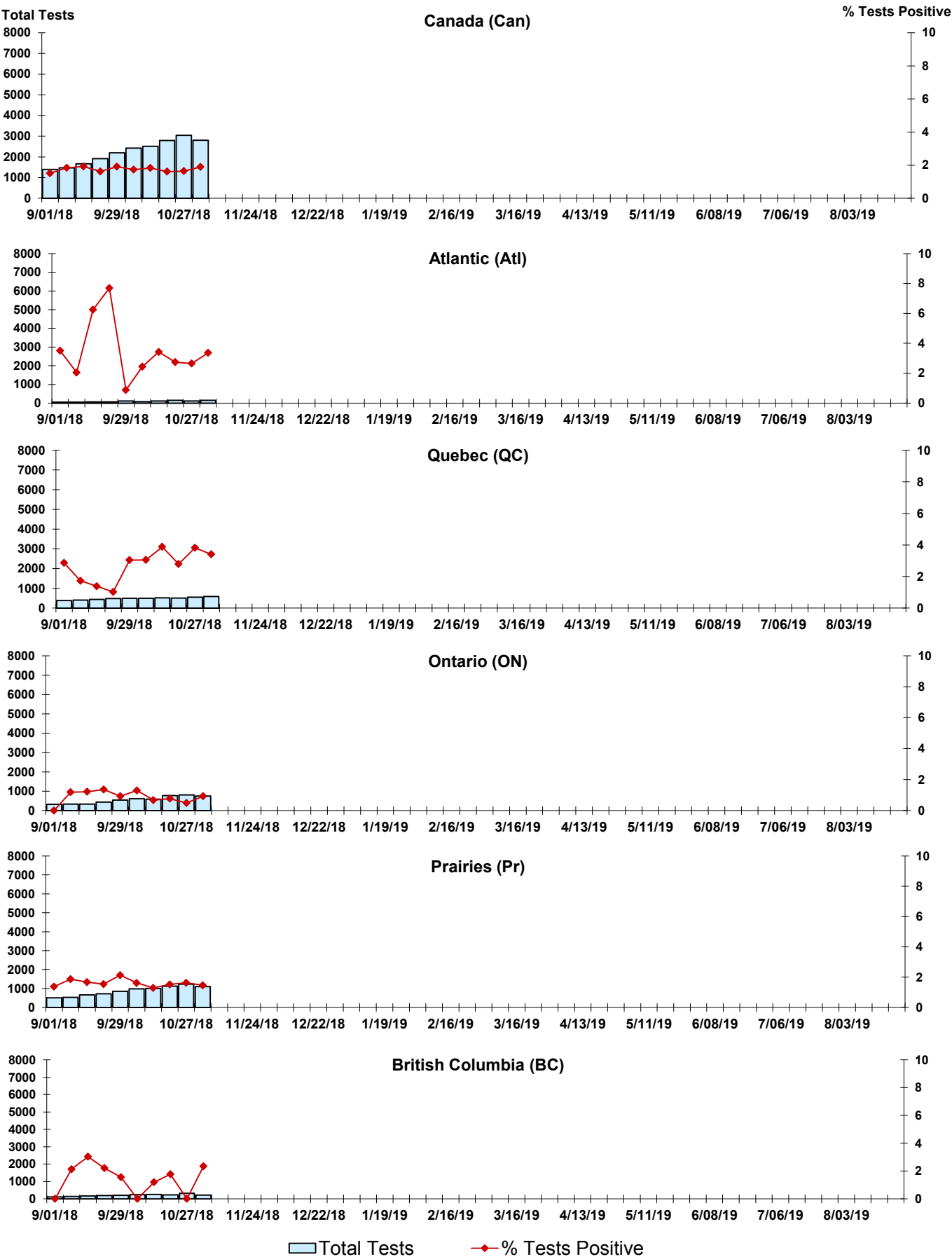


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

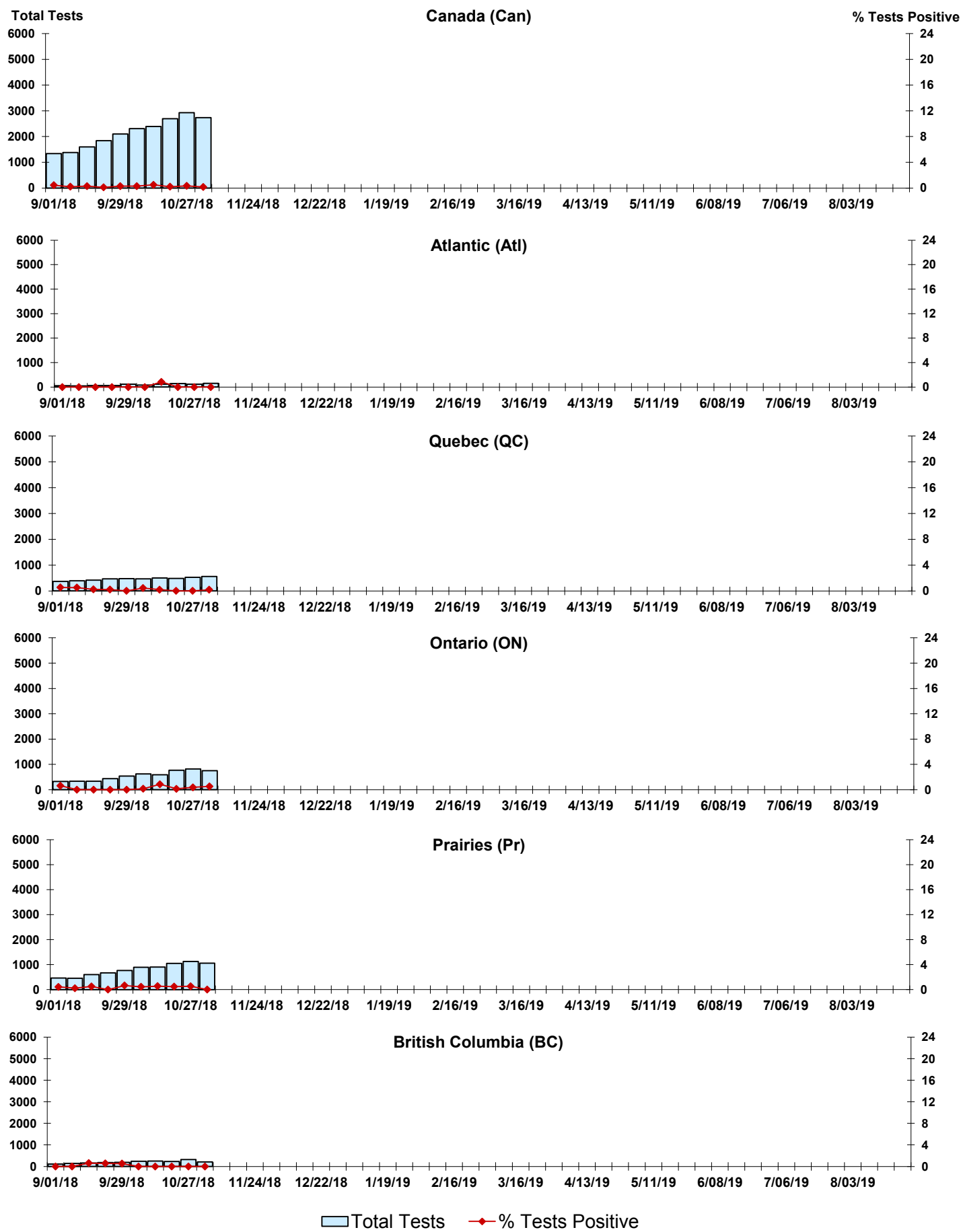


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

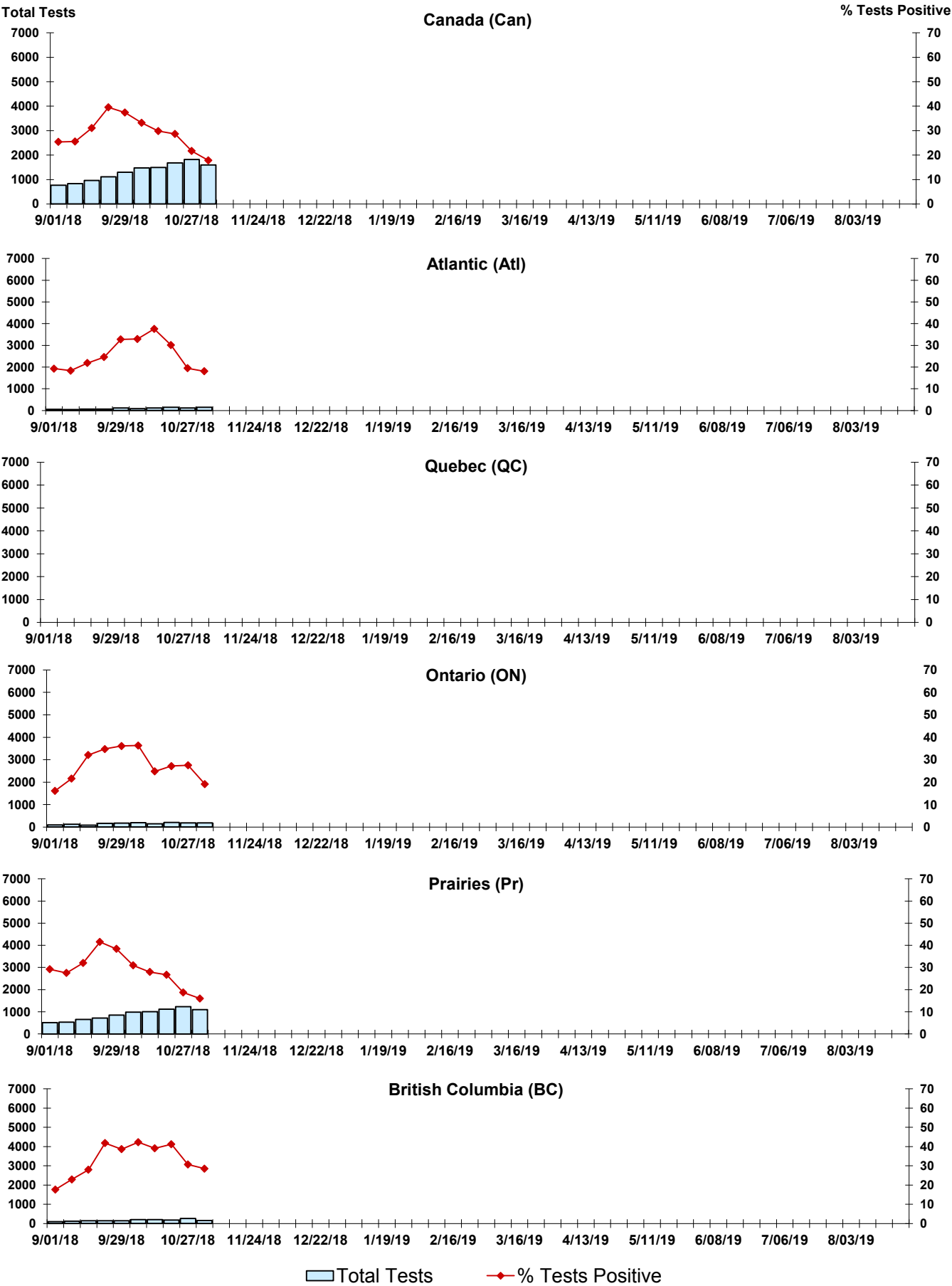
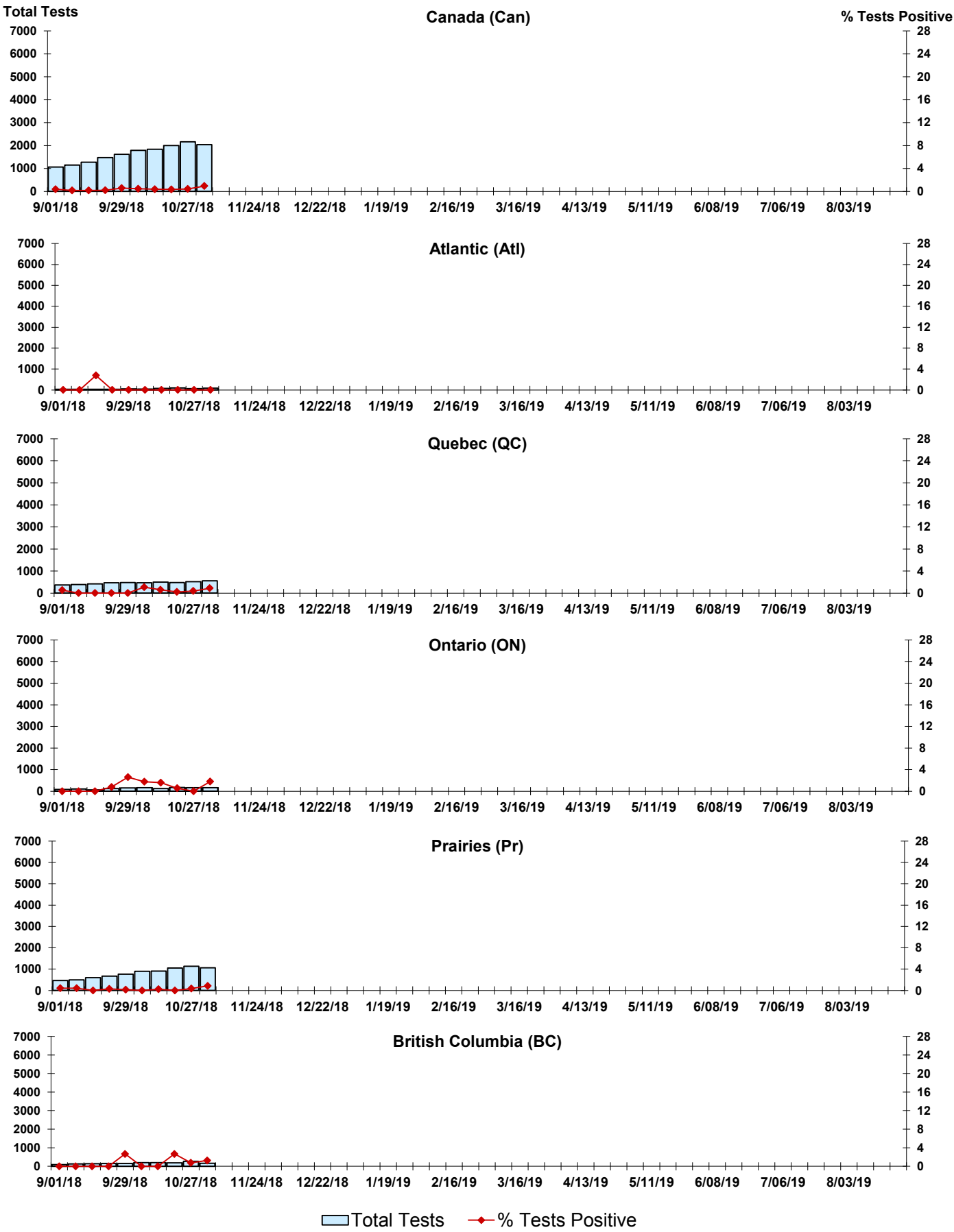


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.