

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 20 - ending May 19, 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 May 19, 2018 (Reporting Week 201820)

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	60	0	0	2	2	2	60	7	60	1	0	1	0	0	60	0	60	2	60	4	N.A.	N.A.
Prince Edward Island	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nova Scotia	51	0	0	4	4	1	52	1	5	0	0	0	0	0	5	0	5	0	5	0	5	0
New Brunswick	202	2	4	8	14	14	202	10	86	0	0	2	0	0	86	4	86	1	86	16	86	1
Atlantic	313	2	4	14	20	17	314	18	151	1	0	3	0	0	151	4	151	3	151	20	91	1
Région Nord-Est	115	0	0	4	4	1	110	9	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	133	0	0	1	1	0	175	6	65	2	0	7	0	0	70	1	58	3	N.A.	N.A.	57	0
Centre-du-Québec	119	0	0	1	1	0	107	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	578	0	0	12	12	2	582	19	385	1	1	29	1	0	385	18	383	22	N.A.	N.A.	350	8
Ouest du Québec	78	0	0	2	2	0	60	3	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Monterégie	94	0	0	1	1	0	94	2	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	1117	0	0	21	21	3	1128	42	450	3	1	36	1	0	455	19	441	25	N.A.	N.A.	407	8
Ottawa P.H.L.	8	0	0	0	0	0	4	0	4	0	0	1	0	0	4	0	3	0	1	0	0	0
CHEO - Ottawa	101	0	0	2	2	0	101	4	13	0	0	1	1	0	13	0	13	0	13	5	13	1
Kingston P.H.L.	12	0	0	0	0	1	10	0	10	0	0	0	0	0	10	0	5	0	5	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	238	1	0	3	4	5	213	0	213	1	0	11	0	0	213	7	209	2	4	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	61	1	0	0	1	0	61	0	61	0	0	1	0	0	61	0	61	3	61	10	61	0
Sault Ste. Marie P.H.L.	5	0	0	0	0	0	2	0	2	0	0	0	0	0	2	0	2	0	0	0	0	0
Timmins P.H.L.	8	0	0	0	0	0	4	0	4	0	0	0	0	0	4	0	4	0	0	0	0	0
St. Joseph's - London	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
London P.H.L.	42	0	0	0	0	0	39	2	39	0	0	2	0	0	39	1	38	1	1	0	0	0
Orillia P.H.L.	9	0	0	1	1	0	5	0	5	0	0	1	0	0	5	0	5	0	0	0	0	0
Thunder Bay P.H.L.	10	0	0	1	1	0	4	0	4	0	0	1	0	0	4	0	4	0	0	0	0	0
Sudbury P.H.L.	9	0	0	1	1	0	4	0	4	0	0	0	0	0	4	0	2	1	2	0	0	0
Hamilton P.H.L.	29	0	0	4	4	0	25	1	25	0	0	0	0	0	25	0	25	0	0	0	0	0
Peterborough P.H.L.	25	0	0	0	0	0	17	0	17	0	0	0	0	0	17	0	17	2	0	0	0	0
Province of Ontario	557	2	0	12	14	6	489	7	401	1	0	18	1	0	401	8	388	9	87	15	74	1
Manitoba	189	1	0	0	1	2	189	5	144	0	1	3	0	0	144	1	60	1	144	16	60	0
Regina	162	0	1	0	1	1	162	12	162	4	3	14	3	0	162	6	162	5	162	47	162	2
Saskatoon	83	0	0	2	2	0	83	3	83	0	1	1	0	0	83	1	83	0	83	6	83	0
Province of Saskatchewan	245	0	1	2	3	1	245	15	245	4	4	15	3	0	245	7	245	5	245	53	245	2
Province of Alberta	434	7	0	1	8	9	382	0	382	1	2	28	2	0	382	6	382	18	382	78	382	10
Prairies	868	8	1	3	12	12	816	20	771	5	7	46	5	0	771	14	687	24	771	147	687	12
British Columbia	166	0	0	1	1	0	166	3	121	0	2	5	0	0	121	0	121	6	88	6	88	0
Yukon	1	0	0	0	0	0	1	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	6	0	0	0	0	0	6	0	6	0	0	0	0	0	6	0	6	2	6	0	6	0
Nunavut	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	0	3	2	3	2
Territories	10	0	0	0	0	0	10	0	9	0	0	0	0	0	9	0	9	2	9	2	9	2
CANADA	3031	12	5	51	68	38	2923	90	1903	10	10	108	7	0	1908	45	1797	69	1106	190	1356	24

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 - May 19, 2018 (Reporting Weeks 201735-201820)

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	4233	0	3	475	478	435	4233	224	4233	98	19	41	0	0	4233	47	4234	229	4233	213	N.A.	N.A.
Prince Edward Island	1258	8	134	4	146	171	1284	175	77	1	0	0	2	0	77	4	77	5	77	13	77	7
Nova Scotia	4010	0	0	555	555	301	4066	532	500	5	1	3	1	0	500	7	500	29	500	74	500	16
New Brunswick	11122	33	244	1407	1684	1257	10690	754	2707	26	37	25	15	0	2707	63	2707	140	2707	334	2707	153
Atlantic	20623	41	381	2441	2863	2164	20273	1685	7517	130	57	69	18	0	7517	121	7518	403	7517	634	3284	176
Région Nord-Est	13430	0	0	1836	1836	1395	11551	859	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	16126	0	0	2616	2616	2076	15815	1348	3074	43	1	16	19	0	3135	112	2609	23	N.A.	N.A.	2532	23
Centre-du-Québec	19513	0	0	2811	2811	2657	15496	1411	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	46200	0	0	5069	5069	3808	40918	2629	20895	207	32	218	52	0	21067	702	20248	592	N.A.	N.A.	18546	597
Ouest du Québec	13038	0	0	1883	1883	1532	8557	745	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	9074	0	0	1258	1258	864	8932	632	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	117381	0	0	15473	15473	12332	101269	7624	23969	250	33	234	71	0	24202	814	22857	615	N.A.	N.A.	21078	620
Ottawa P.H.L.	941	4	122	57	183	143	511	11	511	6	0	2	0	0	511	4	494	15	35	6	10	1
CHEO - Ottawa	8348	0	0	793	793	567	8348	700	823	13	1	14	9	0	850	27	907	22	849	187	849	47
Kingston P.H.L.	1042	4	103	38	145	93	760	27	760	9	0	2	1	0	760	5	704	16	135	7	22	0
UHN / Mount Sinai Hospital	11364	0	2	622	624	564	11364	391	665	7	2	3	8	0	0	0	624	14	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	15919	172	1563	138	1873	1169	12341	266	12342	110	11	78	1	0	12341	115	11970	207	786	48	234	5
Sick Kids Hospital - Toronto	2979	16	58	121	195	176	2331	197	2331	29	4	38	30	0	2331	54	2331	142	2331	554	2331	133
Sunnybrook & Women's College HSC	2975	14	209	3	226	176	2975	75	2975	22	9	20	10	0	2975	1	2975	95	2975	221	2975	100
Sault Ste. Marie P.H.L.	621	1	98	8	107	52	453	10	453	9	0	1	1	0	453	0	442	3	24	3	12	0
Timmins P.H.L.	468	7	84	8	99	36	329	22	329	1	0	0	0	0	329	2	321	1	22	1	2	0
St. Joseph's - London	4551	0	0	416	416	417	4551	373	1414	24	4	12	11	0	1286	33	1231	56	716	150	666	21
London P.H.L.	4735	27	456	112	595	645	3193	191	3193	38	3	31	3	0	3193	17	3104	73	267	21	63	0
Orillia P.H.L.	1522	8	153	65	226	134	1089	53	1089	19	0	5	0	0	1089	9	1070	27	48	4	11	0
Thunder Bay P.H.L.	1146	2	196	22	220	94	813	27	813	12	2	4	0	0	813	5	802	16	15	0	3	0
Sudbury P.H.L.	1178	3	118	7	128	95	940	11	940	10	2	1	0	0	939	6	904	3	55	1	13	0
Hamilton P.H.L.	3445	29	206	97	332	341	2573	132	2572	33	5	21	3	0	2572	27	2498	49	195	21	64	2
Peterborough P.H.L.	1791	6	98	51	155	126	1439	44	1439	21	0	2	0	0	1439	6	1431	34	56	12	44	2
Province of Ontario	63025	293	3466	2558	6317	4828	54010	2530	32649	363	43	234	77	0	31881	311	31808	773	8509	1236	7299	311
Manitoba	11285	20	378	736	1134	637	11051	570	4411	61	15	15	12	0	4411	58	2371	142	4411	429	2371	96
Regina	13382	70	1163	61	1294	1333	13382	846	13382	375	143	75	52	0	13382	219	13382	732	13382	2286	13382	829
Saskatoon	5584	19	0	391	410	348	5584	250	5483	32	5	17	3	0	5584	45	5584	74	5434	425	5584	97
Province of Saskatchewan	18966	89	1163	452	1704	1681	18966	1096	18865	407	148	92	55	0	18966	264	18966	806	18816	2711	18966	926
Province of Alberta	37745	260	3994	1421	5675	3387	30516	0	30516	538	188	295	291	0	30516	506	30516	1933	30516	4289	30516	1418
Prairies	67996	369	5535	2609	8513	5705	60533	1666	53792	1006	351	402	358	0	53893	828	51853	2881	53743	7429	51853	2440
British Columbia	21093	516	1515	445	2476	3021	20912	869	8575	165	54	65	81	0	8575	87	8575	456	6206	1337	6206	395
Yukon	437	7	48	21	76	43	437	46	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	702	4	126	0	130	56	696	0	696	11	2	1	24	0	696	25	696	45	696	84	696	52
Nunavut	385	6	40	0	46	4	372	8	373	7	4	13	7	0	372	23	370	26	198	51	189	14
Territories	1524	17	214	21	252	103	1505	54	1069	18	6	14	31	0	1068	48	1066	71	894	135	885	66
CANADA	291642	1236	11111	23547	35894	28153	258502	14428	127571	1932	544	1018	636	0	127136	2209	123677	5199	76869	10771	90605	4008

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

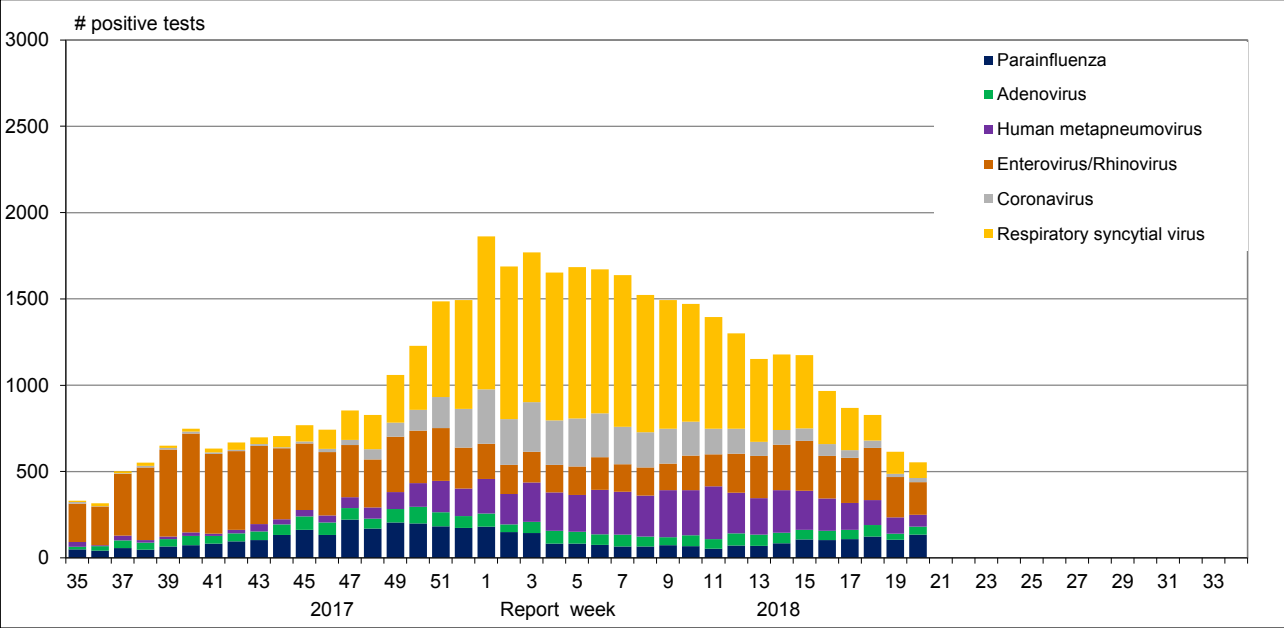


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

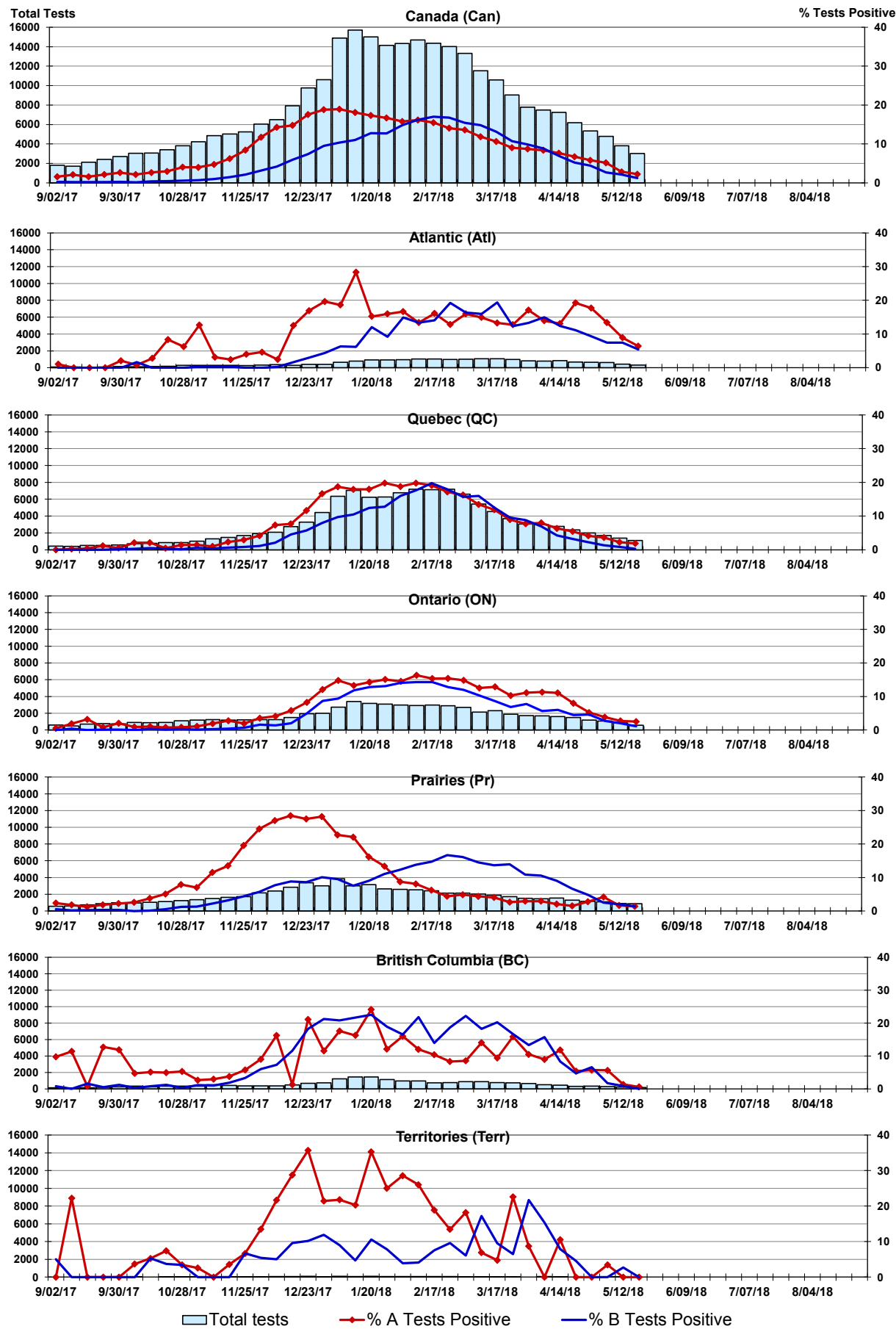


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

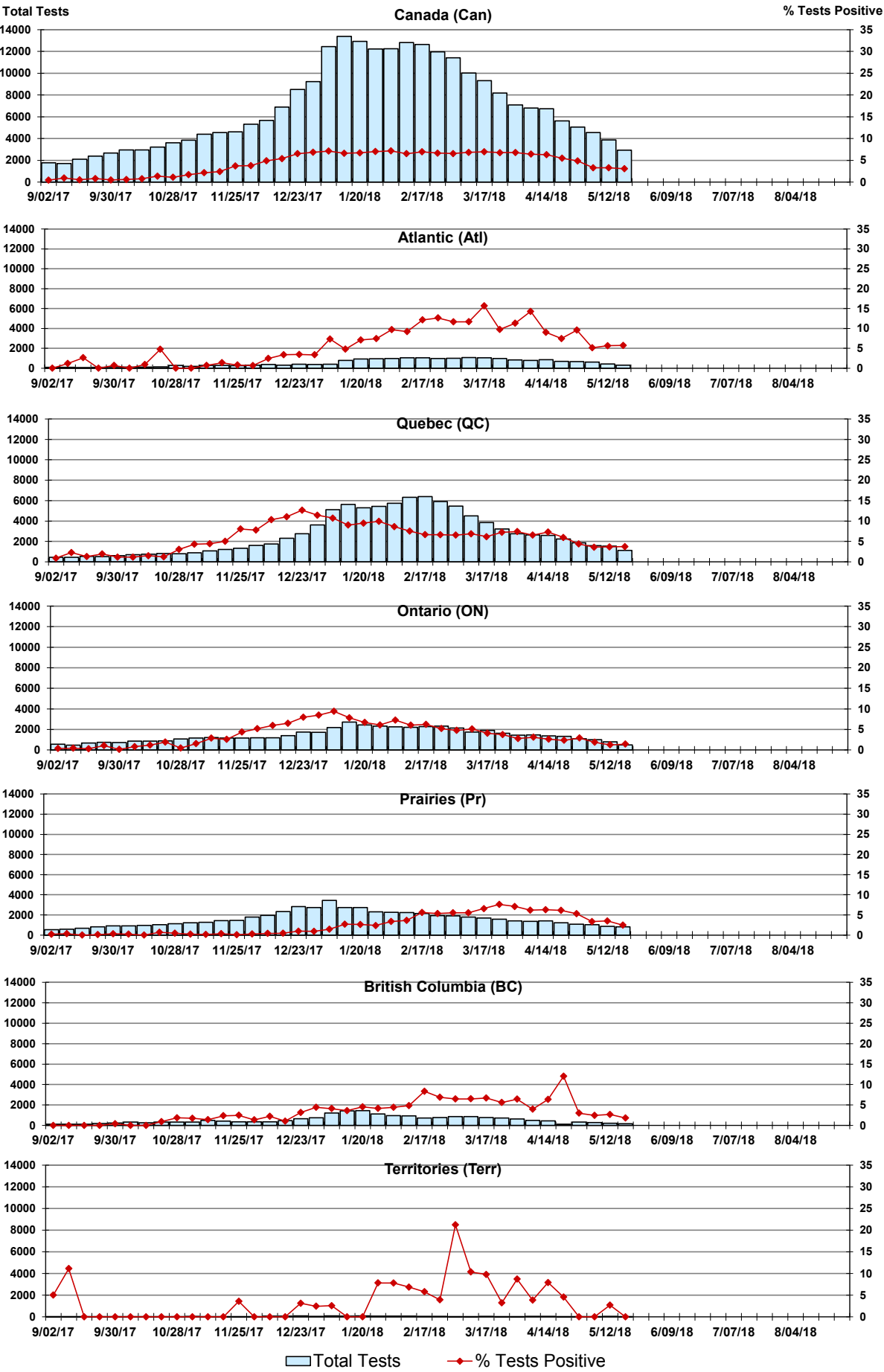


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

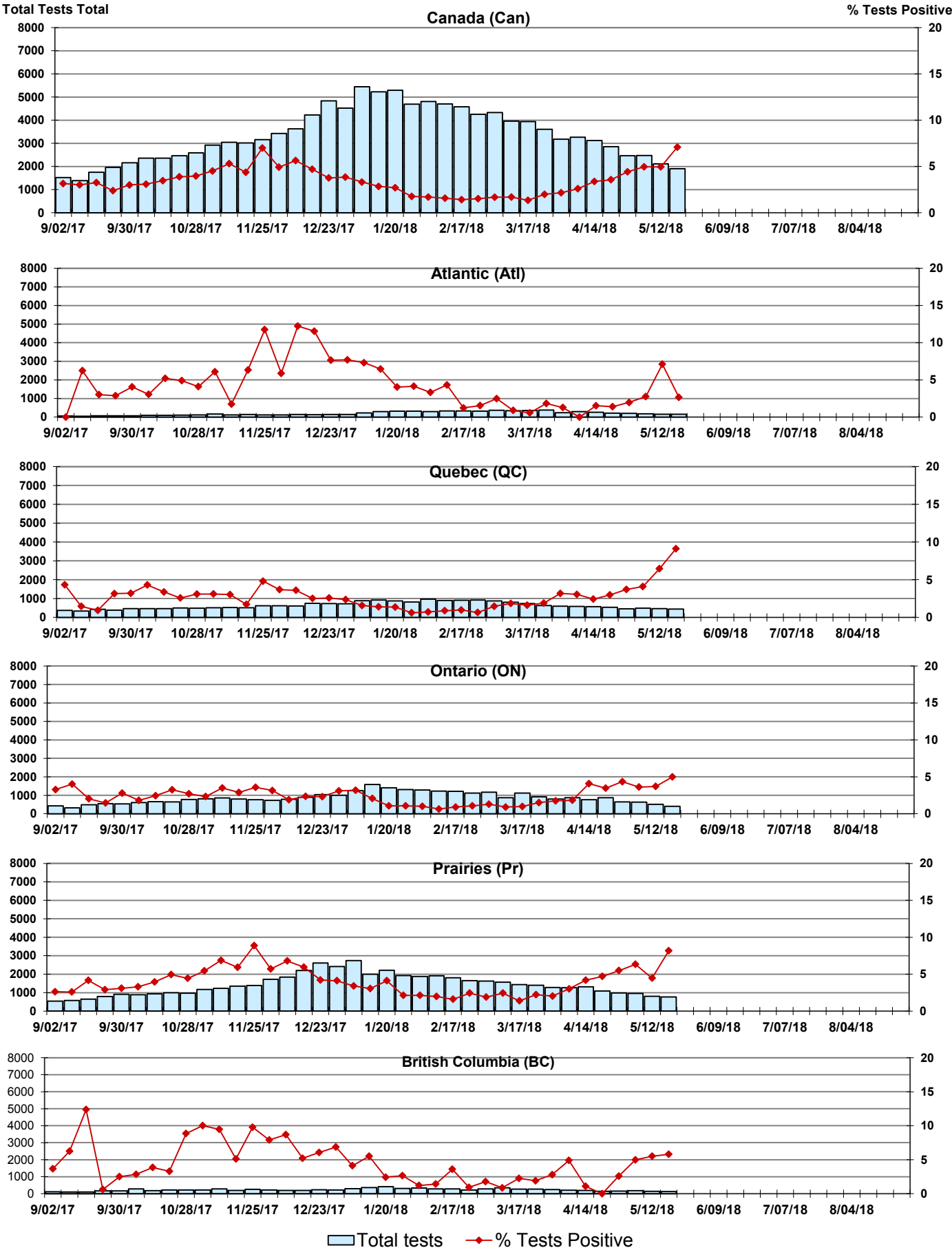


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

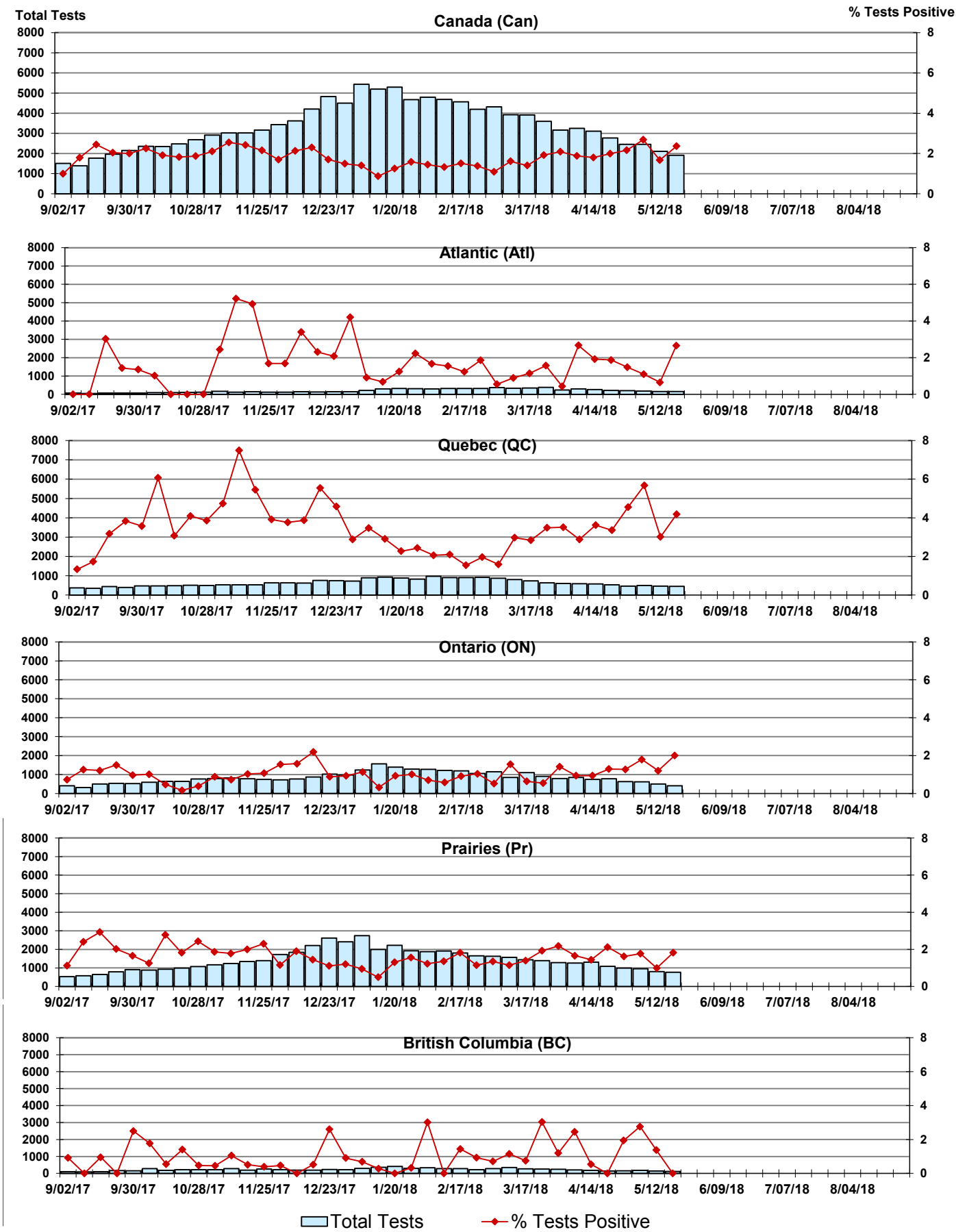


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

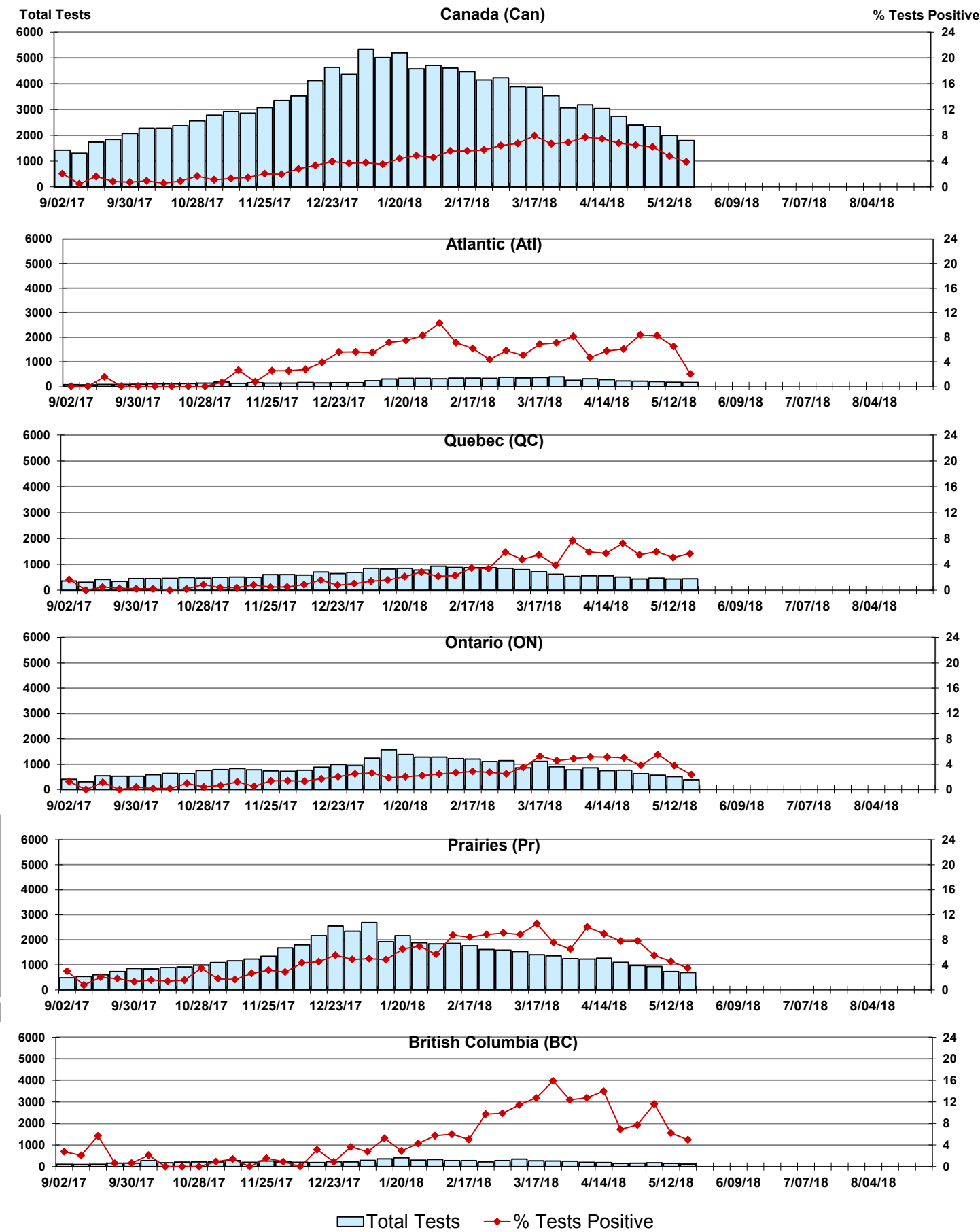


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

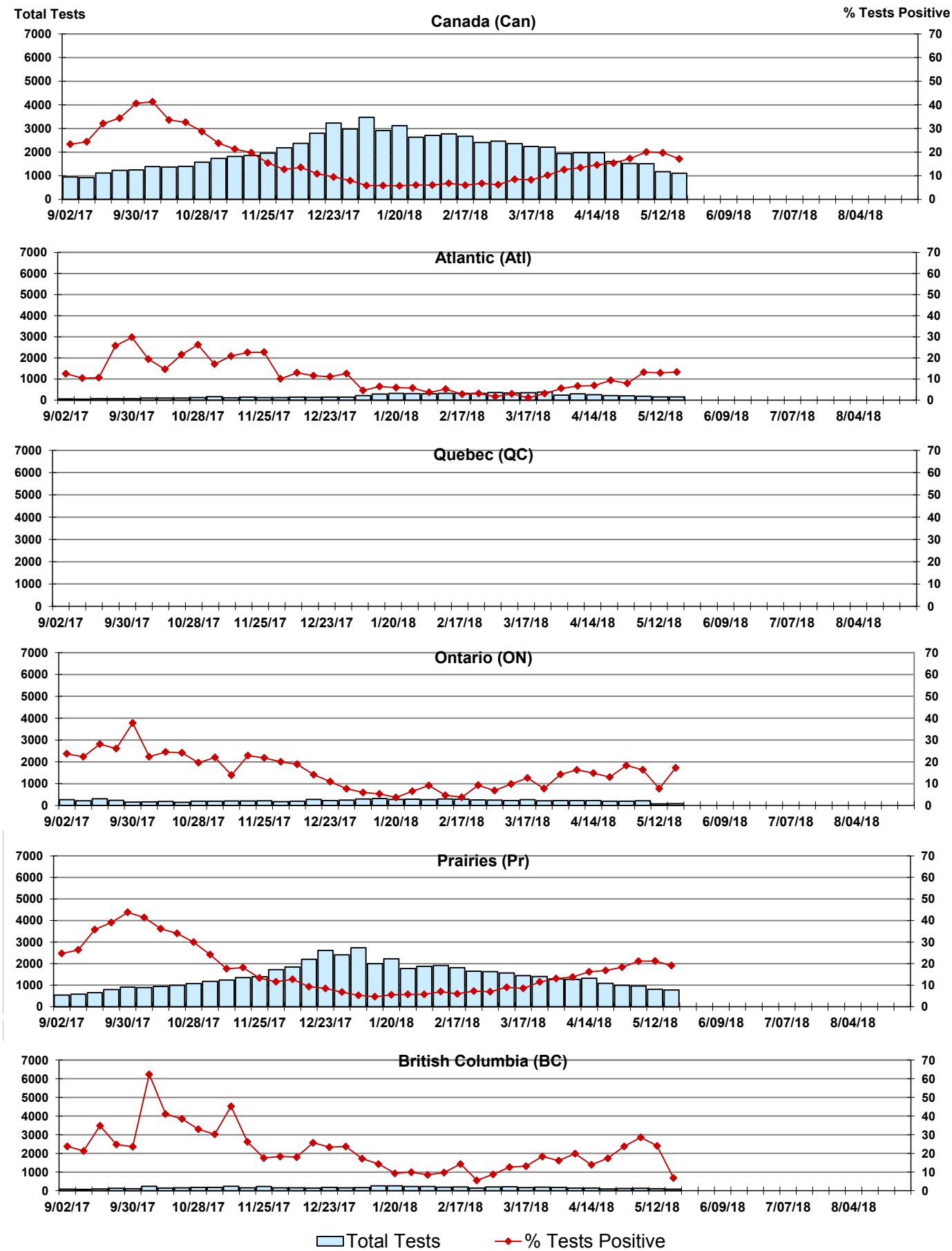
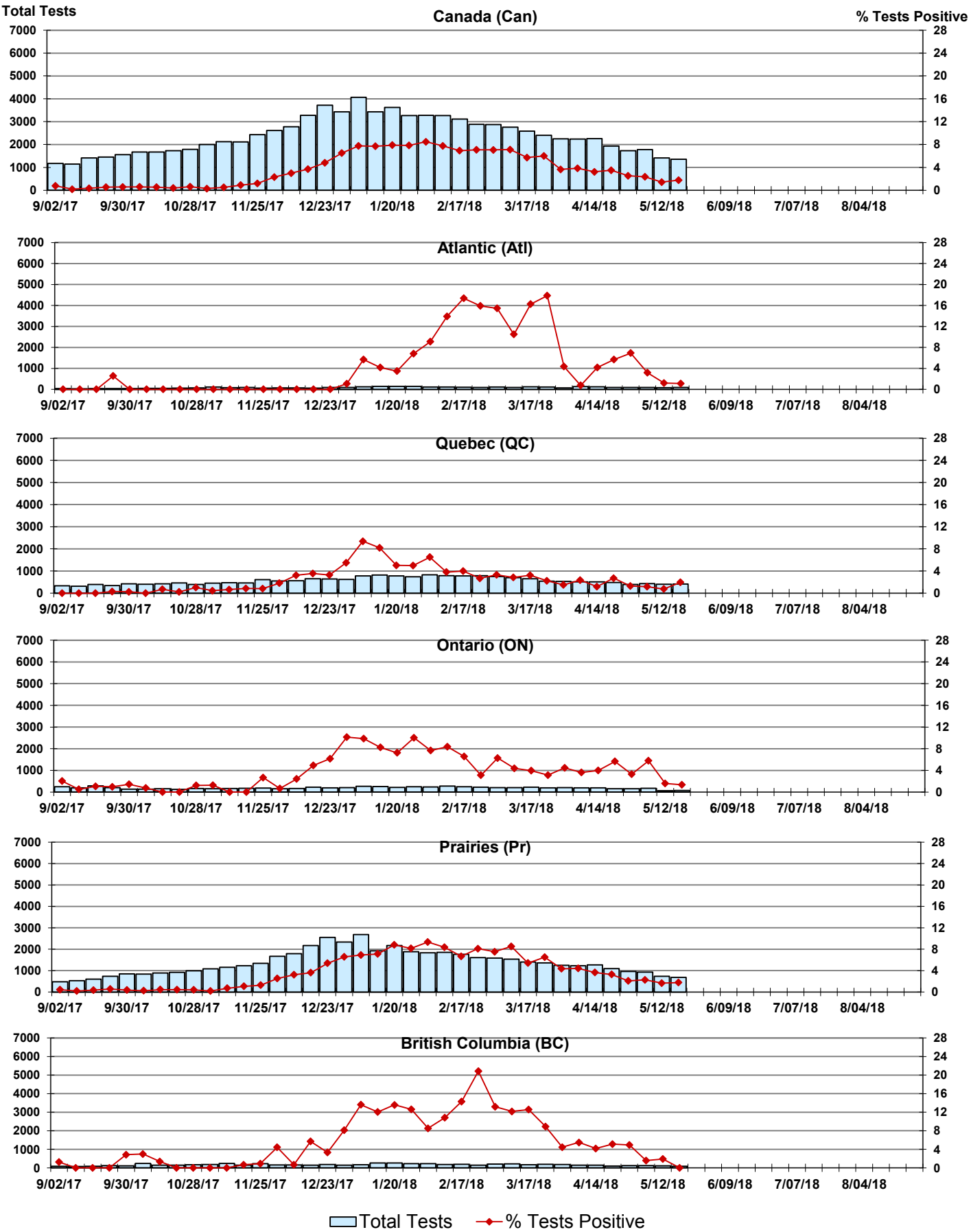


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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.

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