

Respiratory Virus Detections in Canada

Respiratory Virus Report, Week 09 - ending March 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 March 03, 2018 (Reporting Week 201809)

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	253	0	0	37	37	59	253	13	253	1	4	0	0	0	253	2	253	14	253	3	N.A.	N.A.
Prince Edward Island	49	0	12	0	12	5	51	10	1	0	0	0	0	0	1	0	1	0	1	0	1	0
Nova Scotia	219	0	0	43	43	16	220	52	22	1	0	1	0	0	22	0	22	3	22	2	22	6
New Brunswick	480	0	21	47	68	84	480	42	87	0	2	0	0	0	87	0	87	4	87	1	87	11
Atlantic	1001	0	33	129	160	164	1004	117	363	2	6	1	0	0	363	2	363	21	363	6	110	17
Région Nord-Est	752	0	0	129	129	132	653	46	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	1135	0	0	177	177	209	1046	59	88	3	0	0	0	0	85	0	73	1	N.A.	N.A.	72	4
Centre-du-Québec	1147	0	0	211	211	183	894	63	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	2251	0	0	351	351	327	1937	114	793	3	0	7	0	0	793	14	776	49	N.A.	N.A.	681	21
Ouest du Québec	900	0	0	141	141	127	519	55	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Monterégie	383	0	0	56	56	56	383	20	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	6568	0	0	1065	1065	1034	5432	357	881	6	0	7	0	0	878	14	849	50	N.A.	N.A.	753	25
Ottawa P.H.L.	56	0	16	4	20	15	10	1	10	0	0	0	0	0	10	0	10	0	0	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.	58	0	5	0	5	11	29	2	29	0	0	0	0	0	29	0	28	1	1	0	0	0
UHN / Mount Sinai Hospital	487	0	0	51	51	42	487	9	13	0	0	0	0	0	0	0	13	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	631	10	83	7	100	96	395	5	395	0	0	1	0	0	395	0	387	8	9	0	0	0
Sick Kids Hospital - Toronto	109	1	3	13	17	9	67	6	67	0	0	1	0	0	67	1	67	4	67	11	67	9
Sunnybrook & Women's College HSC	95	0	13	0	13	11	95	4	95	0	0	0	3	0	95	0	95	3	95	2	95	4
Sault Ste. Marie P.H.L.	45	0	6	1	7	12	19	0	19	0	0	0	0	0	19	0	19	0	0	0	0	0
Timmins P.H.L.	28	0	8	0	8	0	17	0	17	0	0	0	0	0	17	0	17	0	0	0	0	0
St. Joseph's - London	200	0	0	30	30	6	200	10	68	0	0	0	0	0	68	0	68	5	22	3	22	0
London P.H.L.	205	4	25	4	33	20	134	17	134	1	0	2	0	0	134	0	131	1	3	0	0	0
Orillia P.H.L.	80	0	10	4	14	9	31	0	31	0	0	0	0	0	31	0	30	0	1	0	0	0
Thunder Bay P.H.L.	55	0	2	1	3	12	38	2	38	1	0	0	0	0	38	1	36	2	2	0	0	0
Sudbury P.H.L.	71	0	10	0	10	14	43	0	43	0	0	0	0	0	43	0	42	0	1	0	0	0
Hamilton P.H.L.	125	1	18	8	27	8	79	3	79	0	0	0	0	0	79	2	77	1	2	0	0	0
Peterborough P.H.L.	51	0	6	6	12	3	10	0	10	0	0	0	0	0	10	0	10	0	0	0	0	0
Province of Ontario	2296	16	205	129	350	268	1654	59	1048	2	0	4	3	0	1035	4	1030	25	203	16	184	13
Manitoba	379	0	7	7	14	73	378	37	91	0	0	0	0	0	91	1	48	2	91	3	48	3
Regina	464	1	15	2	18	103	464	51	464	1	1	2	3	0	464	4	464	45	464	27	464	45
Saskatoon	213	0	0	16	16	25	213	18	213	2	0	0	0	0	213	1	213	3	213	1	213	12
Province of Saskatchewan	677	1	15	18	34	128	677	69	677	3	1	2	3	0	677	5	677	48	677	28	677	57
Province of Alberta	1023	9	23	23	55	130	810	0	810	4	6	5	4	0	810	16	810	87	810	76	810	55
Prairies	2079	10	45	48	103	331	1865	106	1578	7	7	7	7	0	1578	22	1535	137	1578	107	1535	115
British Columbia	867	20	38	36	94	193	867	18	285	1	0	4	0	0	285	2	285	28	207	18	207	28
Yukon	18	1	0	1	2	1	18	7	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	1	0	1	0	6	0	6	0	0	0	0	0	6	1	6	0	6	0	6	1
Nunavut	3	1	1	0	2	0	3	0	3	0	0	0	0	0	3	0	3	0	3	0	3	0
Territories	27	2	2	1	5	1	27	7	9	0	0	0	0	0	9	1	9	0	9	0	9	1
CANADA	12838	48	323	1406	1777	1991	10849	664	4164	18	13	23	10	0	4148	45	4071	261	2360	147	2798	199

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 - March 3, 2018 (Reporting Weeks / Code hebdomadaire 201735-201809)

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	2545	0	3	230	233	225	2545	97	2545	94	18	32	0	0	2545	34	2546	145	2545	170	N.A.	N.A.
Prince Edward Island	826	3	78	0	81	124	847	125	49	1	0	0	2	0	49	2	49	0	49	6	49	3
Nova Scotia	2488	0	0	349	349	150	2510	347	365	5	1	2	1	0	365	5	365	12	365	58	365	13
New Brunswick	6530	6	186	837	1029	608	6092	259	1789	26	30	3	13	0	1789	39	1789	72	1789	223	1789	87
Atlantic	12389	9	267	1416	1692	1107	11994	828	4748	126	49	37	16	0	4748	80	4749	229	4748	457	2203	103
Région Nord-Est	9873	0	0	1572	1572	1129	8448	570	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	11900	0	0	2233	2233	1529	11656	1060	2282	37	1	0	19	0	2322	81	1933	5	N.A.	N.A.	1866	15
Centre-du-Québec	14198	0	0	2312	2312	2167	11313	1130	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	34219	0	0	4189	4189	3054	29663	2071	15346	187	22	69	39	0	15518	507	14852	267	N.A.	N.A.	13667	492
Ouest du Québec	9697	0	0	1553	1553	1226	5990	579	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	6405	0	0	1033	1033	685	6263	496	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Province of Québec	86292	0	0	12892	12892	9790	73333	5906	17628	224	23	69	58	0	17840	588	16785	272	N.A.	N.A.	15533	507
Ottawa P.H.L.	687	2	86	44	132	104	368	7	368	4	0	0	0	0	368	3	359	2	24	6	10	1
CHEO - Ottawa	5593	0	0	552	552	368	5592	521	576	12	1	2	8	0	603	15	658	17	602	133	602	32
Kingston P.H.L.	817	4	85	30	119	75	574	25	574	8	0	1	1	0	574	5	537	8	97	7	22	0
UHN / Mount Sinai Hospital	8316	0	0	474	474	454	8316	317	488	6	1	0	8	0	0	0	466	6	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	11688	105	1166	92	1363	898	9009	238	9009	104	9	15	1	0	9009	80	8755	83	603	48	234	5
Sick Kids Hospital - Toronto	2286	11	47	96	154	142	1809	184	1809	29	2	10	26	0	1809	41	1809	105	1809	408	1809	104
Sunnybrook & Women's College HSC	2056	5	124	3	132	138	2056	60	2056	21	8	3	7	0	2056	0	2056	31	2056	160	2056	77
Sault Ste. Marie P.H.L.	474	1	80	8	89	30	341	7	341	6	0	0	1	0	341	0	332	2	22	3	12	0
Timmins P.H.L.	324	6	61	5	72	26	222	7	222	1	0	0	0	0	222	1	214	0	18	1	2	0
St. Joseph's - London	3280	0	0	302	302	376	3280	312	977	24	1	0	11	0	930	22	903	26	541	119	491	14
London P.H.L.	3630	15	371	89	475	569	2372	151	2372	36	2	13	3	0	2372	8	2301	33	214	21	63	0
Orillia P.H.L.	1142	3	121	50	174	82	813	40	813	15	0	2	0	0	813	5	803	17	36	4	11	0
Thunder Bay P.H.L.	901	0	186	19	205	37	650	16	650	11	2	3	0	0	650	4	639	9	14	0	3	0
Sudbury P.H.L.	881	3	106	3	112	53	704	7	704	8	2	0	0	0	703	4	675	0	45	1	13	0
Hamilton P.H.L.	2648	20	147	67	234	264	1997	113	1997	31	5	8	3	0	1997	22	1939	38	161	21	64	2
Peterborough P.H.L.	1474	3	66	39	108	116	1173	35	1173	20	0	2	0	0	1173	5	1169	23	51	12	44	2
Province of Ontario	46197	178	2646	1873	4697	3732	39276	2040	24129	336	33	59	69	0	23620	215	23615	400	6293	944	5436	237
Manitoba	8706	7	365	725	1097	353	8504	355	3233	56	13	2	10	0	3233	45	1639	79	3233	301	1639	72
Regina	9965	42	1116	59	1217	898	9965	348	9965	365	99	19	35	0	9965	164	9965	521	9965	1710	9965	642
Saskatoon	4159	0	0	351	351	245	4159	142	4058	32	3	8	2	0	4159	38	4159	64	4009	377	4159	74
Province of Saskatchewan	14124	42	1116	410	1568	1143	14124	490	14023	397	102	27	37	0	14124	202	14124	585	13974	2087	14124	716
Province of Alberta	29631	134	3915	1344	5393	2749	23611	0	23611	513	159	93	232	0	23611	370	23611	1240	23611	3177	23611	1099
Prairies	52461	183	5396	2479	8058	4245	46239	845	40867	966	274	122	279	0	40968	617	39374	1904	40818	5565	39374	1887
British Columbia	15792	339	1237	392	1968	2337	15792	549	6310	160	43	28	73	0	6310	54	6310	198	4628	1061	4628	295
Yukon	335	6	39	18	63	41	335	30	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	524	4	124	0	128	29	519	0	519	11	0	0	14	0	519	9	519	29	519	60	519	41
Nunavut	324	6	36	0	42	3	311	7	312	7	4	13	2	0	311	20	309	16	140	36	131	7
Territories	1183	16	199	18	233	73	1165	37	831	18	4	13	16	0	830	29	828	45	659	96	650	48
CANADA	214314	725	9745	19070	29540	21284	187799	10205	94513	1830	426	328	511	0	94316	1583	91661	3048	57146	8123	67824	3077

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

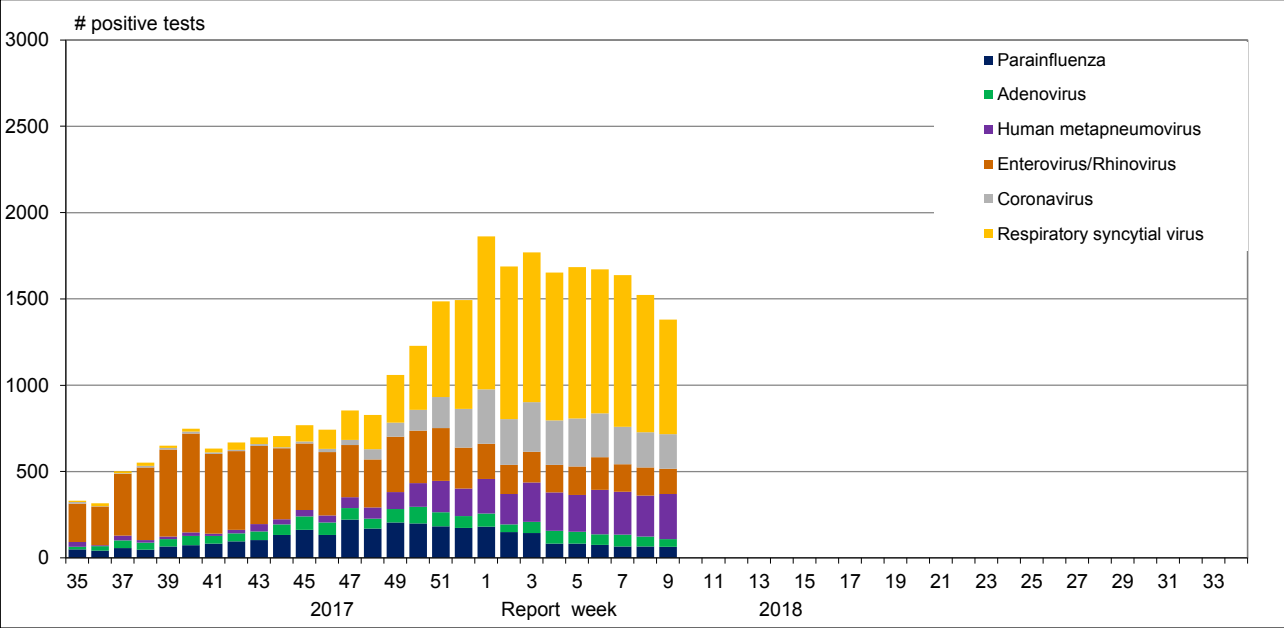


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

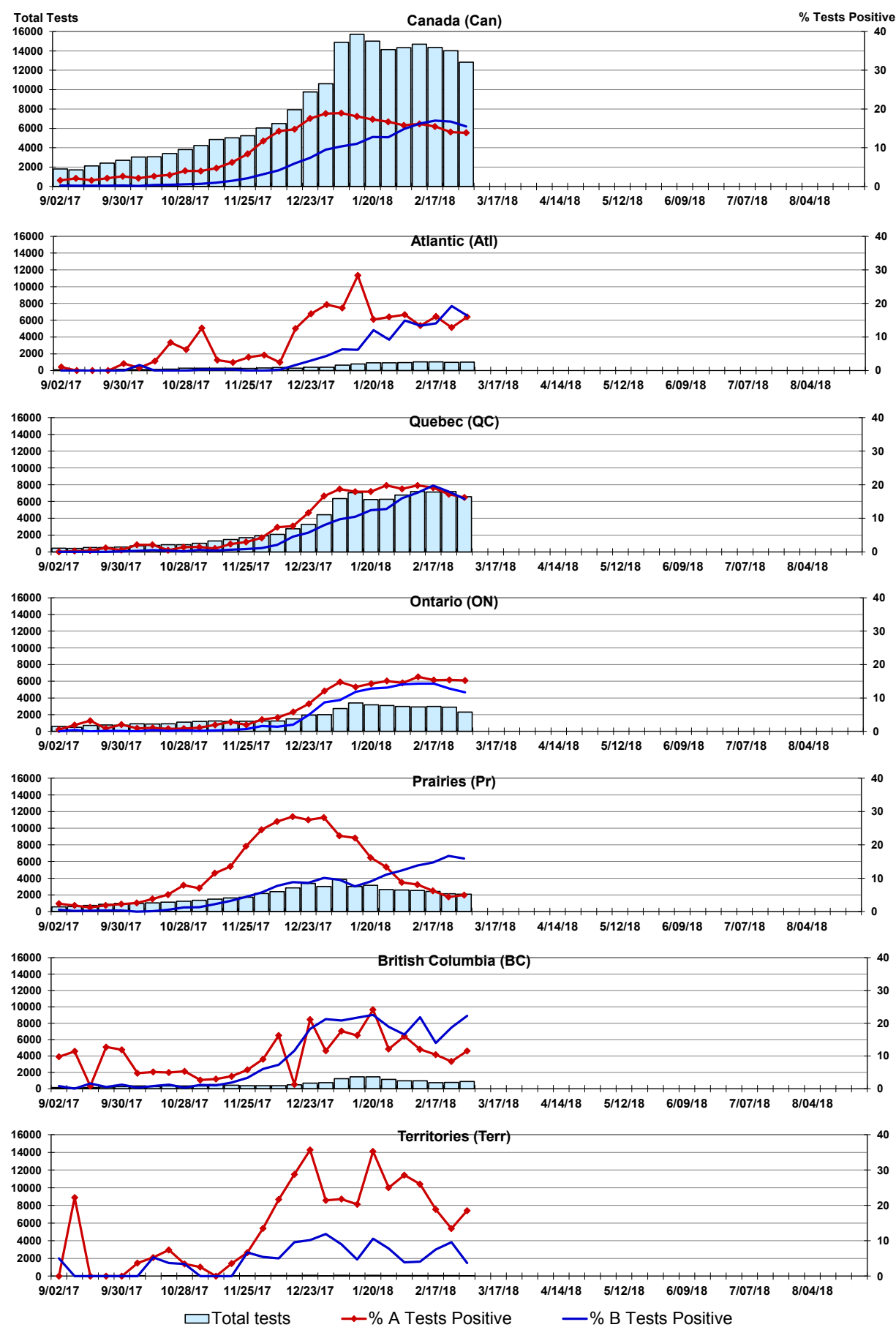


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

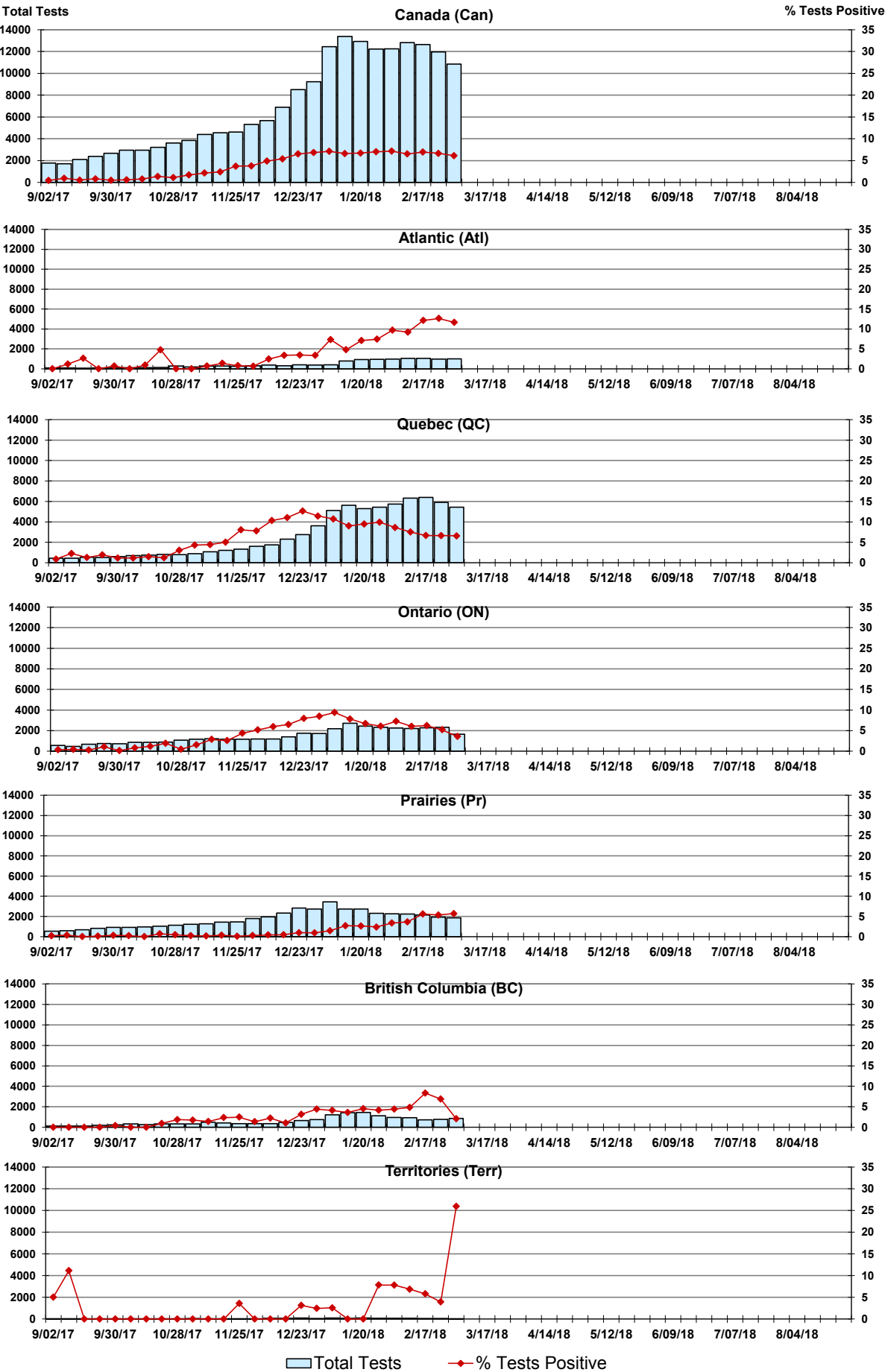


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

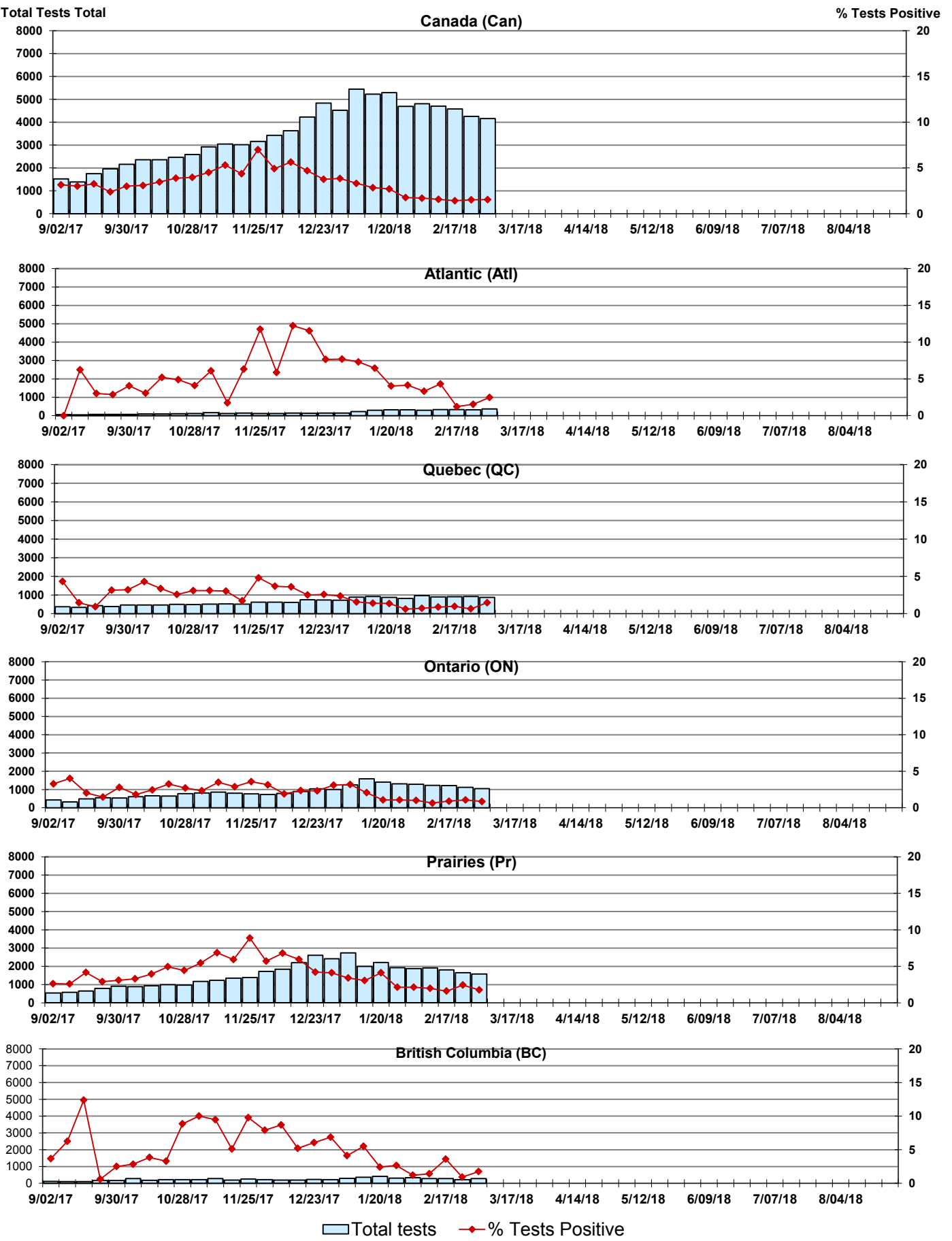


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

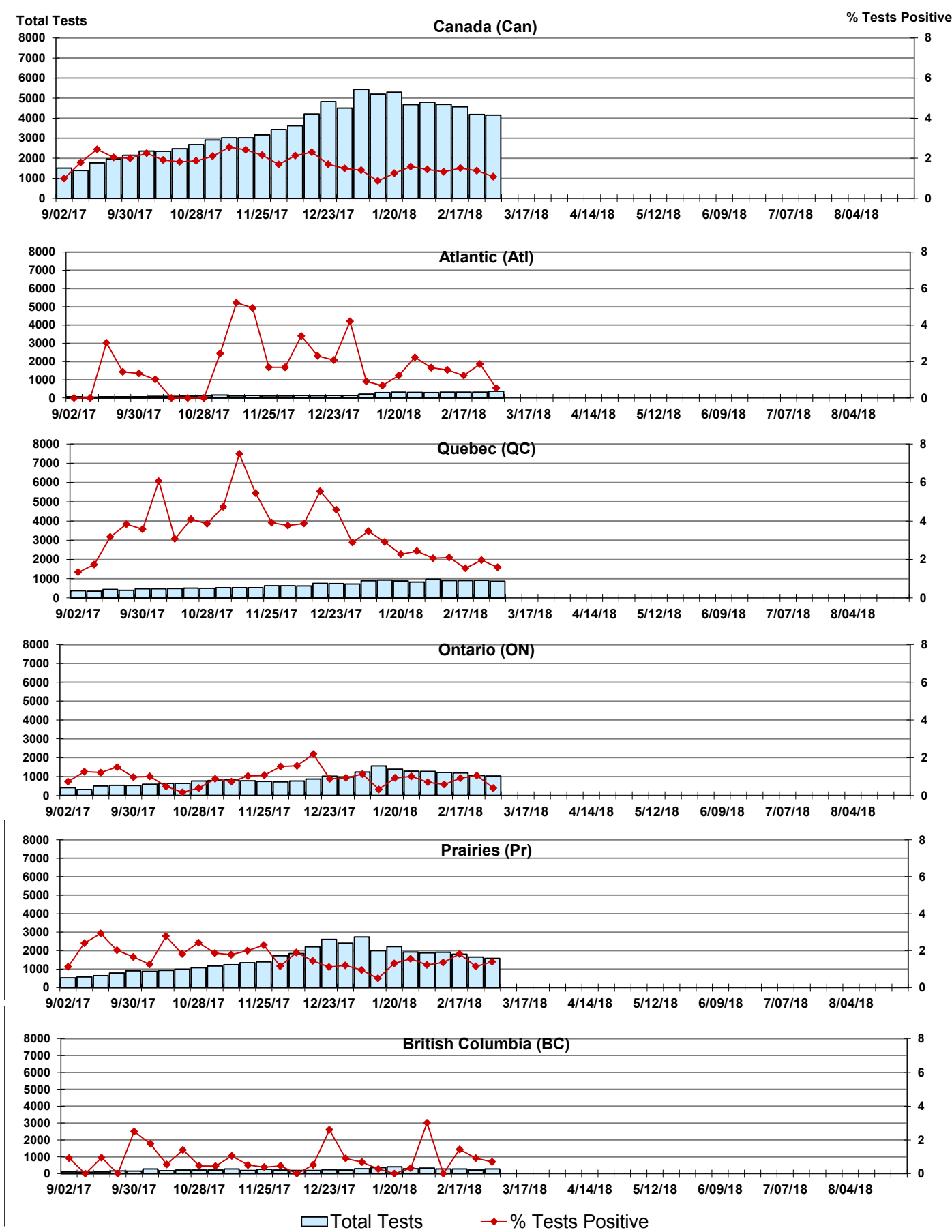


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

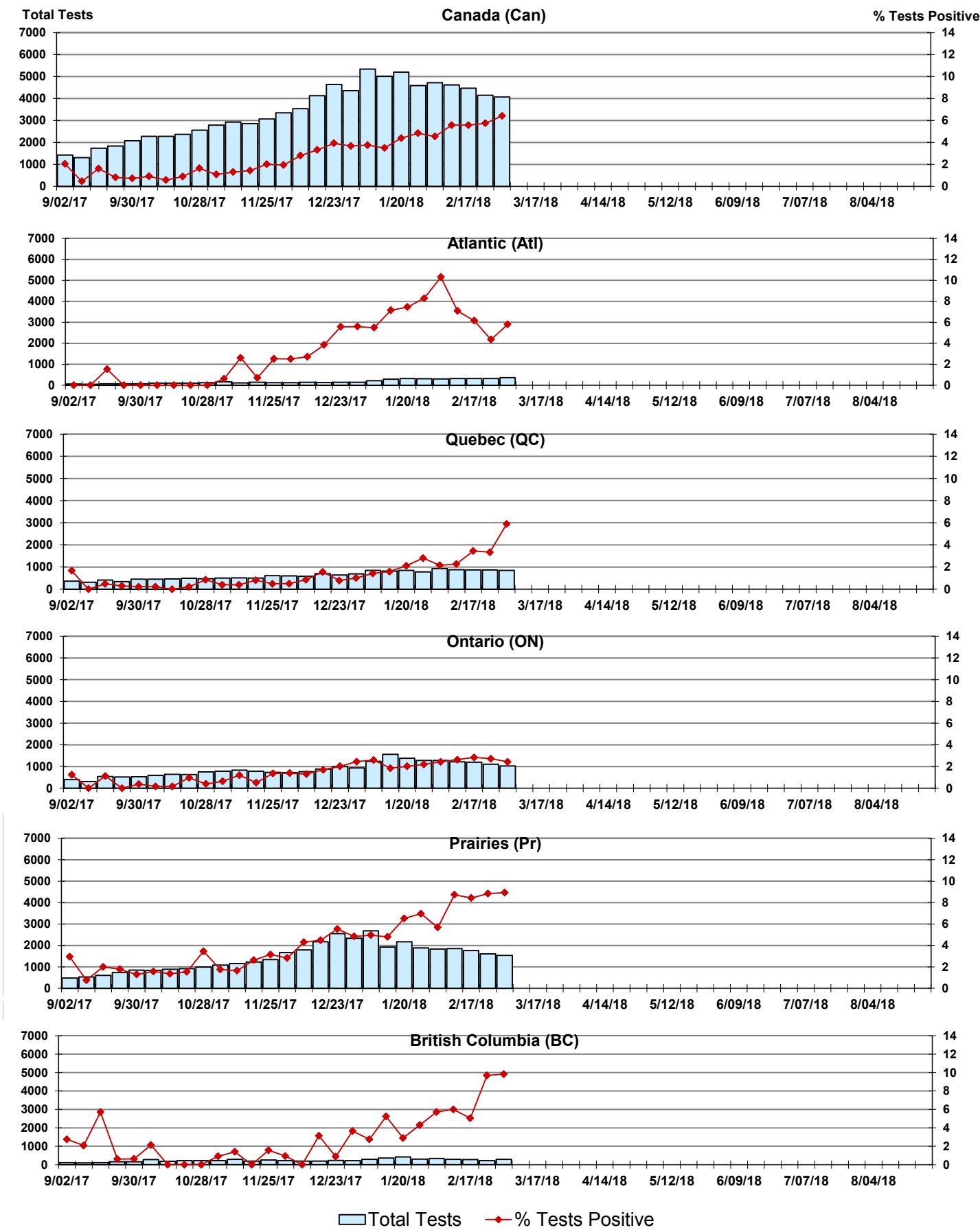


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

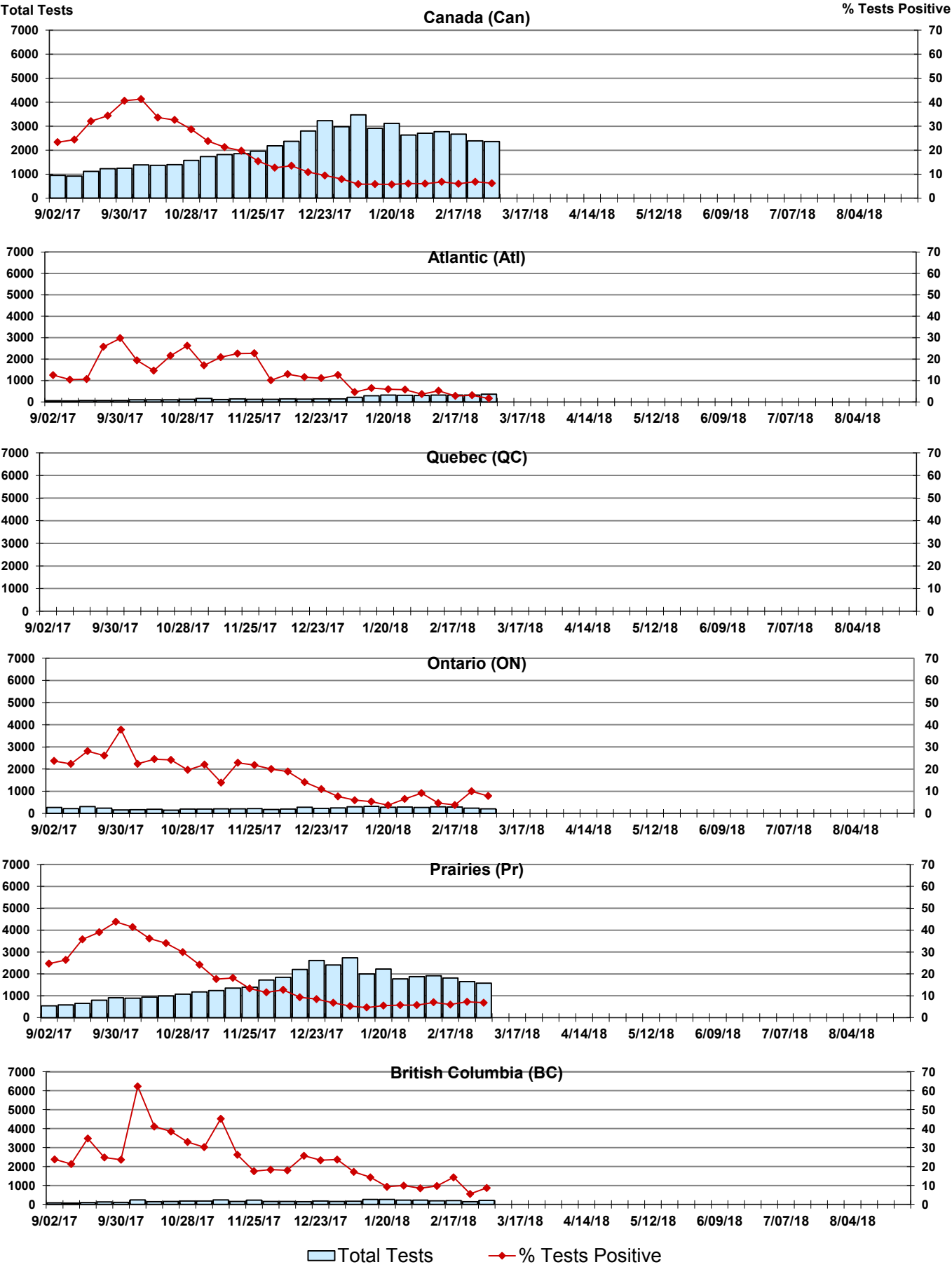
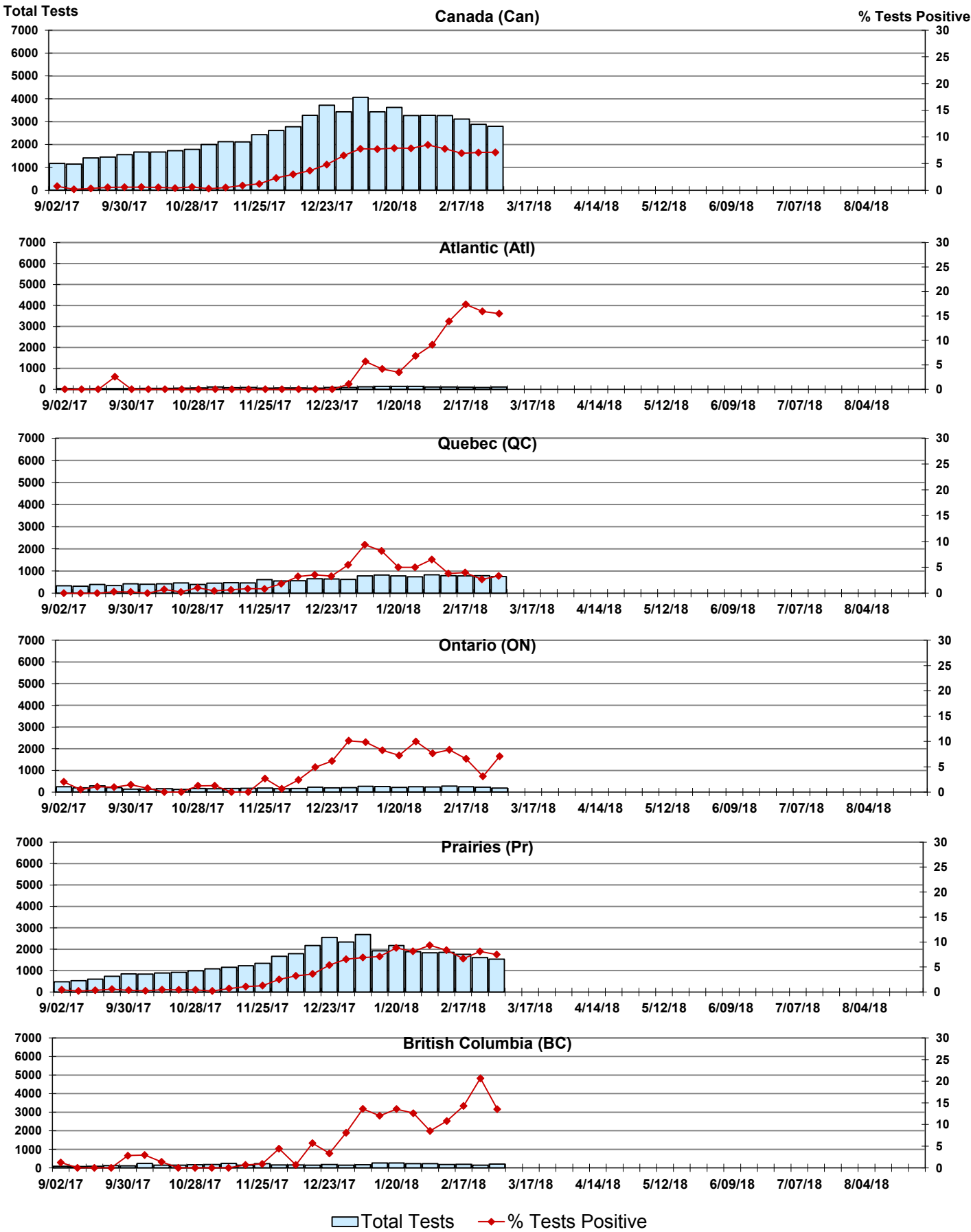


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report



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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