

# Respiratory Virus Detections in Canada

## Respiratory Virus Report, Week 39 - ending September 30, 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 September 30, 2017 (Reporting Week 201739)**

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	39	0	3	0	3	0	39	0	39	1	0	1	0	0	39	0	39	0	39	10	N.A.	N.A.
Prince Edward Island	4	0	0	0	0	0	5	0	1	0	0	0	0	0	1	1	1	0	1	0	1	0
Nova Scotia	14	0	0	0	0	0	14	1	5	0	0	0	0	0	5	0	5	0	5	2	5	0
New Brunswick	90	0	0	0	0	0	90	0	29	1	0	0	0	0	29	0	29	0	29	10	29	0
<b>Atlantic</b>	<b>147</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>148</b>	<b>1</b>	<b>74</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>74</b>	<b>1</b>	<b>74</b>	<b>0</b>	<b>74</b>	<b>22</b>	<b>35</b>	<b>0</b>
Région Nord-Est	31	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	55	0	0	0	0	0	90	1	86	2	0	0	0	0	88	0	77	0	N.A.	N.A.	77	0
Centre-du-Québec	13	0	0	1	1	0	13	1	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	441	0	0	2	2	1	442	5	381	3	1	4	5	0	388	17	373	1	N.A.	N.A.	345	1
Ouest du Québec	30	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal	16	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
<b>Province of Québec</b>	<b>586</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>600</b>	<b>7</b>	<b>467</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>0</b>	<b>476</b>	<b>17</b>	<b>450</b>	<b>1</b>	<b>N.A.</b>	<b>N.A.</b>	<b>422</b>	<b>1</b>
Ottawa P.H.L.	21	0	0	0	0	0	16	0	16	0	0	0	0	0	16	0	16	0	0	0	0	0
CHEO - Ottawa	101	0	0	3	3	0	101	0	28	2	0	0	0	0	28	0	28	0	28	8	28	0
Kingston P.H.L.	15	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	13	0	1	0	0	0
UHN / Mount Sinai Hospital	145	0	0	3	3	0	145	0	20	0	0	0	0	0	0	0	20	0	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	207	0	3	2	5	1	193	1	193	7	0	0	0	0	193	3	186	0	7	0	0	0
Sick Kids Hospital - Toronto	39	0	0	1	1	0	39	0	39	1	0	1	2	0	39	1	39	2	39	26	39	1
Sunnybrook & Women's College HSC	54	0	1	0	1	0	54	0	54	0	2	0	0	0	54	0	54	0	54	10	54	1
Sault Ste. Marie P.H.L.	3	0	0	0	0	0	3	0	3	0	0	0	0	0	3	0	3	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	17	0	0	0	0	0	17	0	17	0	0	0	0	0	17	0	17	0	17	13	17	0
London P.H.L.	36	0	1	0	1	0	21	0	21	0	0	0	0	0	21	1	20	0	1	0	0	0
Orillia P.H.L.	8	0	0	1	1	0	8	0	8	0	0	0	0	0	8	0	8	0	0	0	0	0
Thunder Bay 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
Sudbury P.H.L.	14	0	0	0	0	0	14	0	14	0	0	0	0	0	14	0	14	0	0	0	0	0
Hamilton P.H.L.	51	0	0	0	0	0	45	0	45	0	0	0	0	0	45	0	44	0	1	0	0	0
Peterborough P.H.L.	19	0	0	0	0	0	10	0	10	0	0	0	0	0	10	0	10	0	0	0	0	0
<b>Province of Ontario</b>	<b>743</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>15</b>	<b>1</b>	<b>693</b>	<b>1</b>	<b>495</b>	<b>10</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>475</b>	<b>5</b>	<b>485</b>	<b>2</b>	<b>148</b>	<b>57</b>	<b>138</b>	<b>2</b>
Manitoba	112	0	0	0	0	0	112	0	93	1	1	0	0	0	93	1	39	0	93	20	39	0
Regina	260	0	4	0	4	1	260	3	260	5	0	0	0	0	260	5	260	2	260	137	260	1
Saskatoon	91	0	0	2	2	0	91	0	91	2	0	1	0	0	91	3	91	1	91	45	91	0
Province of Saskatchewan	351	0	4	2	6	1	351	3	351	7	0	1	0	0	351	8	351	3	351	182	351	1
Province of Alberta	470	0	10	3	13	1	419	0	419	3	5	3	3	0	419	5	419	7	419	169	419	1
<b>Prairies</b>	<b>933</b>	<b>0</b>	<b>14</b>	<b>5</b>	<b>19</b>	<b>2</b>	<b>882</b>	<b>3</b>	<b>863</b>	<b>11</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>863</b>	<b>14</b>	<b>809</b>	<b>10</b>	<b>863</b>	<b>371</b>	<b>809</b>	<b>2</b>
<b>British Columbia</b>	<b>235</b>	<b>1</b>	<b>26</b>	<b>2</b>	<b>29</b>	<b>2</b>	<b>235</b>	<b>0</b>	<b>195</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>195</b>	<b>4</b>	<b>195</b>	<b>2</b>	<b>141</b>	<b>60</b>	<b>141</b>	<b>3</b>
Yukon	0	0	0	0	0	0	0	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	1	3	0
Nunavut	11	0	0	0	0	0	10	0	10	0	0	0	0	0	10	1	10	0	2	2	2	0
<b>Territories</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>1</b>	<b>13</b>	<b>0</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>0</b>
<b>CANADA</b>	<b>2658</b>	<b>1</b>	<b>48</b>	<b>20</b>	<b>69</b>	<b>6</b>	<b>2571</b>	<b>12</b>	<b>2107</b>	<b>30</b>	<b>9</b>	<b>11</b>	<b>11</b>	<b>0</b>	<b>2096</b>	<b>42</b>	<b>2026</b>	<b>15</b>	<b>1231</b>	<b>513</b>	<b>1550</b>	<b>8</b>

**Table 2: Respiratory Virus Detections/Isolations for the period August 27, 2017 - September 30, 2017 (Reporting Weeks / Code hebdomadaire 201735-201739)**

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	147	0	3	0	3	0	147	0	147	2	1	2	0	0	147	1	147	0	147	25	N.A.	N.A.
Prince Edward Island	11	0	0	0	0	0	12	0	8	0	0	0	1	0	8	1	8	0	8	1	8	0
Nova Scotia	68	0	0	0	0	0	68	4	37	0	0	0	0	0	37	0	37	0	37	7	37	0
New Brunswick	264	0	0	1	1	0	265	0	130	3	0	1	0	0	130	2	130	1	130	27	130	1
<b>Atlantic</b>	<b>490</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>492</b>	<b>4</b>	<b>322</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>322</b>	<b>4</b>	<b>322</b>	<b>1</b>	<b>322</b>	<b>60</b>	<b>175</b>	<b>1</b>
Région Nord-Est	123	0	0	0	0	0	113	2	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Québec-Chaudière-Appalaches	237	0	0	0	0	0	359	2	351	2	1	0	2	0	358	6	317	0	N.A.	N.A.	316	0
Centre-du-Québec	72	0	0	4	4	0	82	5	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montréal-Laval	1862	0	0	7	7	1	1865	25	1635	28	1	9	9	0	1674	51	1563	10	N.A.	N.A.	1479	2
Ouest du Québec	76	0	0	1	1	0	42	2	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
Montérégie	86	0	0	0	0	0	86	2	0	0	0	0	0	0	0	0	0	0	N.A.	N.A.	0	0
<b>Province of Québec</b>	<b>2456</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>12</b>	<b>1</b>	<b>2547</b>	<b>38</b>	<b>1986</b>	<b>30</b>	<b>2</b>	<b>9</b>	<b>11</b>	<b>0</b>	<b>2032</b>	<b>57</b>	<b>1880</b>	<b>10</b>	<b>N.A.</b>	<b>N.A.</b>	<b>1795</b>	<b>2</b>
Ottawa P.H.L.	49	0	0	0	0	0	43	0	43	0	0	0	0	0	43	1	41	0	13	6	10	1
CHEO - Ottawa	411	0	0	4	4	1	410	2	101	3	0	0	2	0	127	1	183	0	127	33	127	1
Kingston P.H.L.	54	0	0	0	0	0	48	0	48	2	0	0	1	0	48	1	45	0	26	7	22	0
UHN / Mount Sinai Hospital	646	0	0	8	8	0	646	0	78	2	0	0	0	0	0	0	56	2	N.A.	N.A.	N.A.	N.A.
P.H.O.L. - Toronto	1025	9	17	4	30	2	991	4	991	16	0	2	1	0	991	14	947	3	285	48	234	5
Sick Kids Hospital - Toronto	212	0	1	1	2	0	212	2	212	4	0	1	3	0	212	3	212	4	212	89	212	1
Sunnybrook & Women's College HSC	186	0	2	0	2	1	186	1	186	2	3	2	2	0	186	0	186	0	186	34	186	1
Sault Ste. Marie P.H.L.	24	0	0	0	0	0	22	0	22	0	0	0	1	0	22	0	22	0	12	3	12	0
Timmins P.H.L.	17	0	0	0	0	0	17	0	17	0	0	0	0	0	17	0	17	0	2	1	2	0
St. Joseph's - London	71	0	0	0	0	0	71	2	71	1	0	0	0	0	71	1	58	0	71	34	71	0
London P.H.L.	164	1	1	0	2	0	141	0	141	1	0	0	3	0	141	1	130	1	76	21	63	0
Orillia P.H.L.	37	0	0	1	1	0	34	0	34	0	0	1	0	0	34	1	34	0	12	4	11	0
Thunder Bay P.H.L.	27	0	0	0	0	0	27	0	27	0	0	0	0	0	27	0	27	0	3	0	3	0
Sudbury P.H.L.	51	0	0	0	0	0	51	0	51	0	0	0	0	0	51	0	50	0	14	1	13	0
Hamilton P.H.L.	188	3	0	0	3	0	168	1	168	0	1	1	3	0	168	3	157	0	77	21	64	2
Peterborough P.H.L.	102	0	2	0	2	0	92	3	92	0	0	1	0	0	92	0	90	3	46	12	44	2
<b>Province of Ontario</b>	<b>3264</b>	<b>13</b>	<b>23</b>	<b>18</b>	<b>54</b>	<b>4</b>	<b>3159</b>	<b>15</b>	<b>2282</b>	<b>31</b>	<b>4</b>	<b>8</b>	<b>16</b>	<b>0</b>	<b>2230</b>	<b>26</b>	<b>2255</b>	<b>13</b>	<b>1162</b>	<b>314</b>	<b>1074</b>	<b>13</b>
Manitoba	524	0	0	0	0	0	522	3	454	1	2	0	1	0	454	5	183	3	454	79	183	0
Regina	822	0	8	0	8	1	822	3	822	14	3	0	2	0	822	18	822	4	822	360	822	3
Saskatoon	312	0	0	2	2	0	312	1	312	3	0	4	0	0	312	11	312	1	312	125	312	1
Province of Saskatchewan	1134	0	8	2	10	1	1134	4	1134	17	3	4	2	0	1134	29	1134	5	1134	485	1134	4
Province of Alberta	2019	8	39	11	58	10	1834	0	1834	24	15	9	25	0	1834	35	1834	45	1834	634	1834	7
<b>Prairies</b>	<b>3677</b>	<b>8</b>	<b>47</b>	<b>13</b>	<b>68</b>	<b>11</b>	<b>3490</b>	<b>7</b>	<b>3422</b>	<b>42</b>	<b>20</b>	<b>13</b>	<b>28</b>	<b>0</b>	<b>3422</b>	<b>69</b>	<b>3151</b>	<b>53</b>	<b>3422</b>	<b>1198</b>	<b>3151</b>	<b>11</b>
<b>British Columbia</b>	<b>787</b>	<b>3</b>	<b>66</b>	<b>10</b>	<b>79</b>	<b>6</b>	<b>787</b>	<b>0</b>	<b>668</b>	<b>6</b>	<b>2</b>	<b>4</b>	<b>16</b>	<b>0</b>	<b>668</b>	<b>6</b>	<b>668</b>	<b>14</b>	<b>510</b>	<b>157</b>	<b>510</b>	<b>4</b>
Yukon	12	0	2	1	3	0	12	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	20	0	0	0	0	0	20	0	20	0	0	0	1	0	20	0	20	2	20	7	20	0
Nunavut	33	0	0	0	0	1	32	1	32	0	0	1	0	0	32	3	32	0	8	4	7	1
<b>Territories</b>	<b>65</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>64</b>	<b>2</b>	<b>52</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>52</b>	<b>3</b>	<b>52</b>	<b>2</b>	<b>28</b>	<b>11</b>	<b>27</b>	<b>1</b>
<b>CANADA</b>	<b>10739</b>	<b>24</b>	<b>141</b>	<b>55</b>	<b>220</b>	<b>23</b>	<b>10539</b>	<b>66</b>	<b>8732</b>	<b>114</b>	<b>29</b>	<b>38</b>	<b>73</b>	<b>0</b>	<b>8726</b>	<b>165</b>	<b>8328</b>	<b>93</b>	<b>5444</b>	<b>1740</b>	<b>6732</b>	<b>32</b>

Figure 1: Number positive laboratory tests for other respiratory viruses by report week, Canada, 2017-18

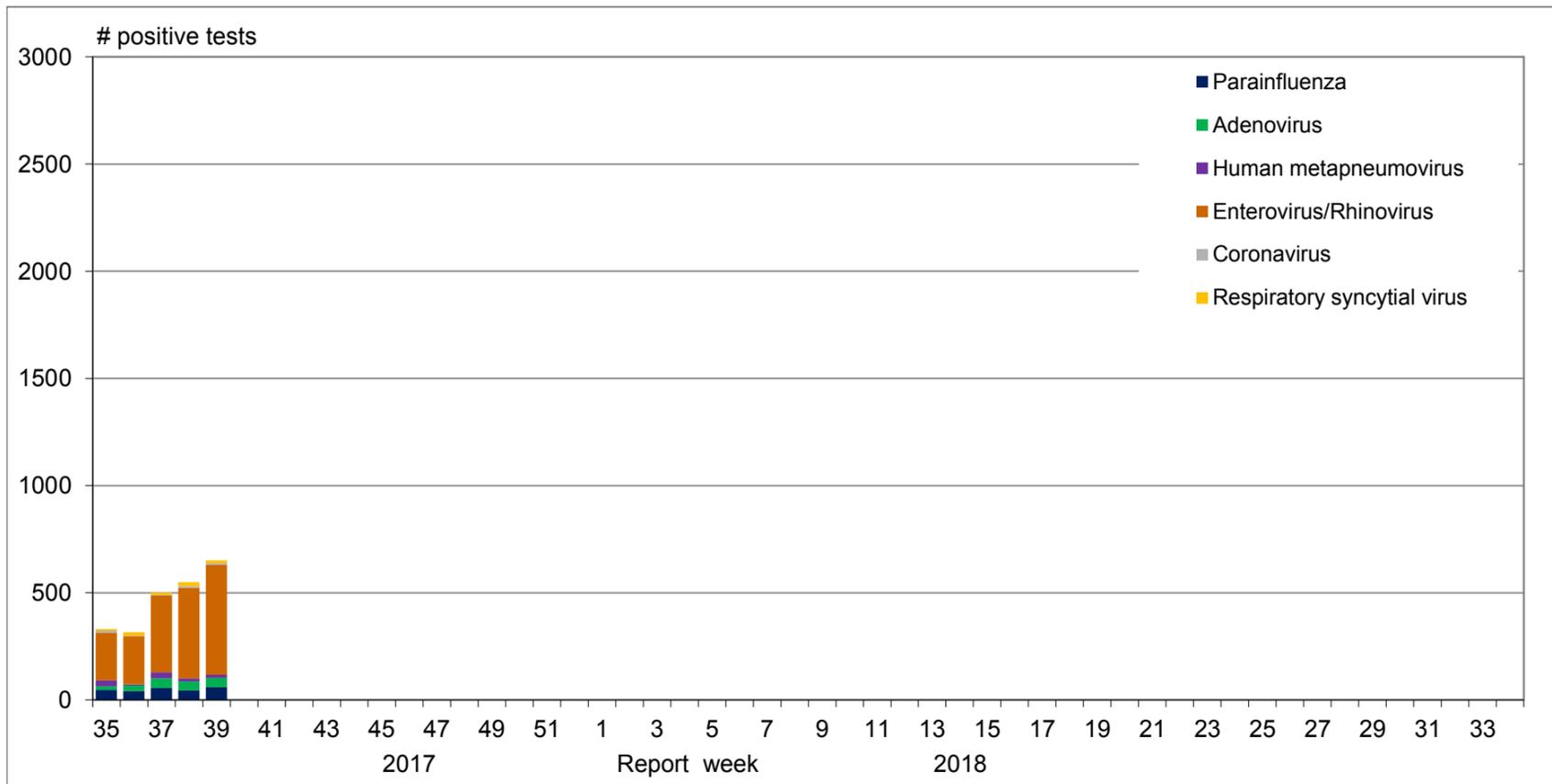


Figure 2: Positive Influenza Tests (%) in Canada by Region by Week of Report

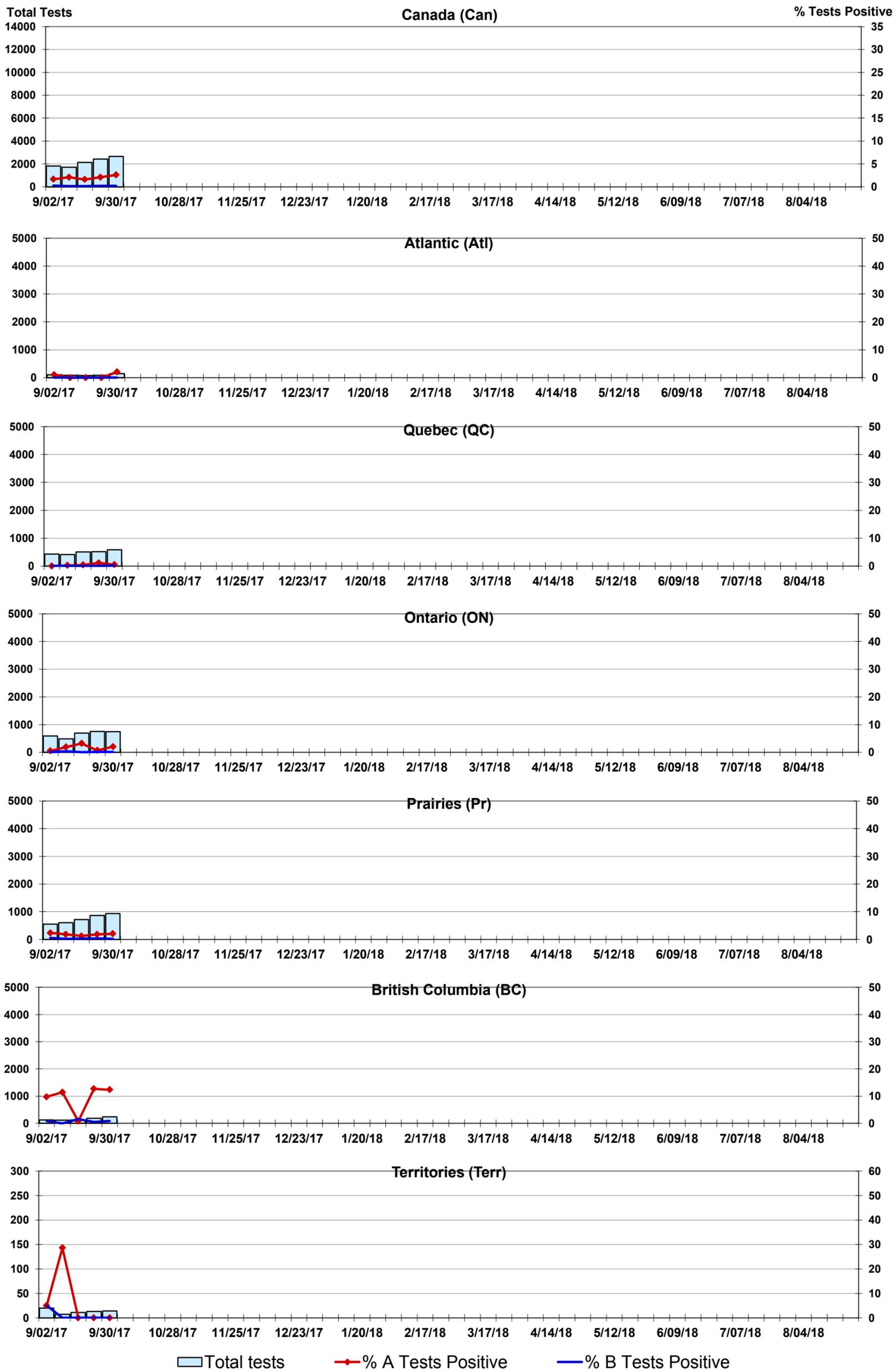


Figure 3: Positive Respiratory syncytial virus (RSV) Tests (%) in Canada by Region by Week of Report

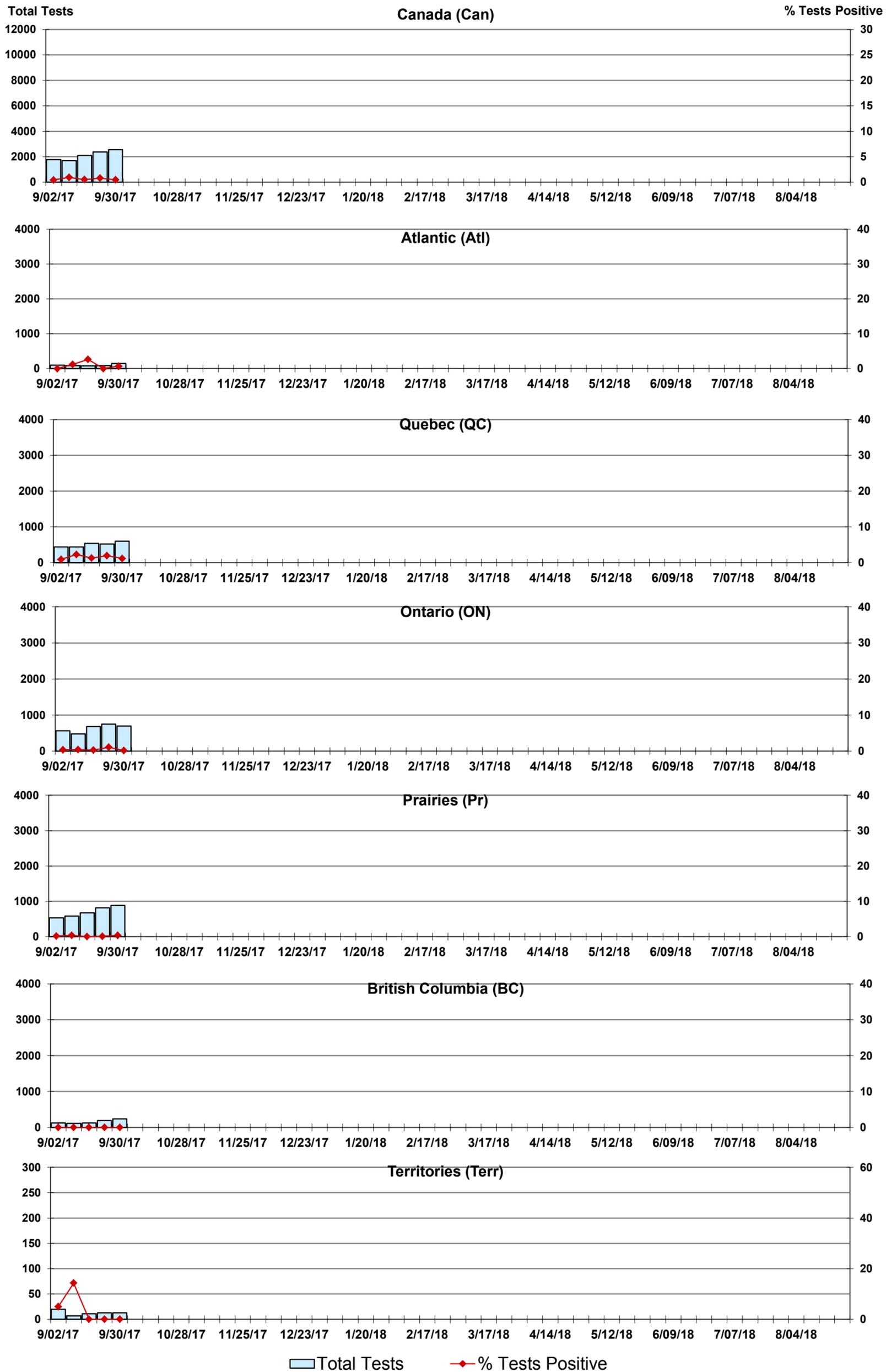


Figure 4: Positive Parainfluenza (PIV) Tests (%) in Canada by Region by Week of Report

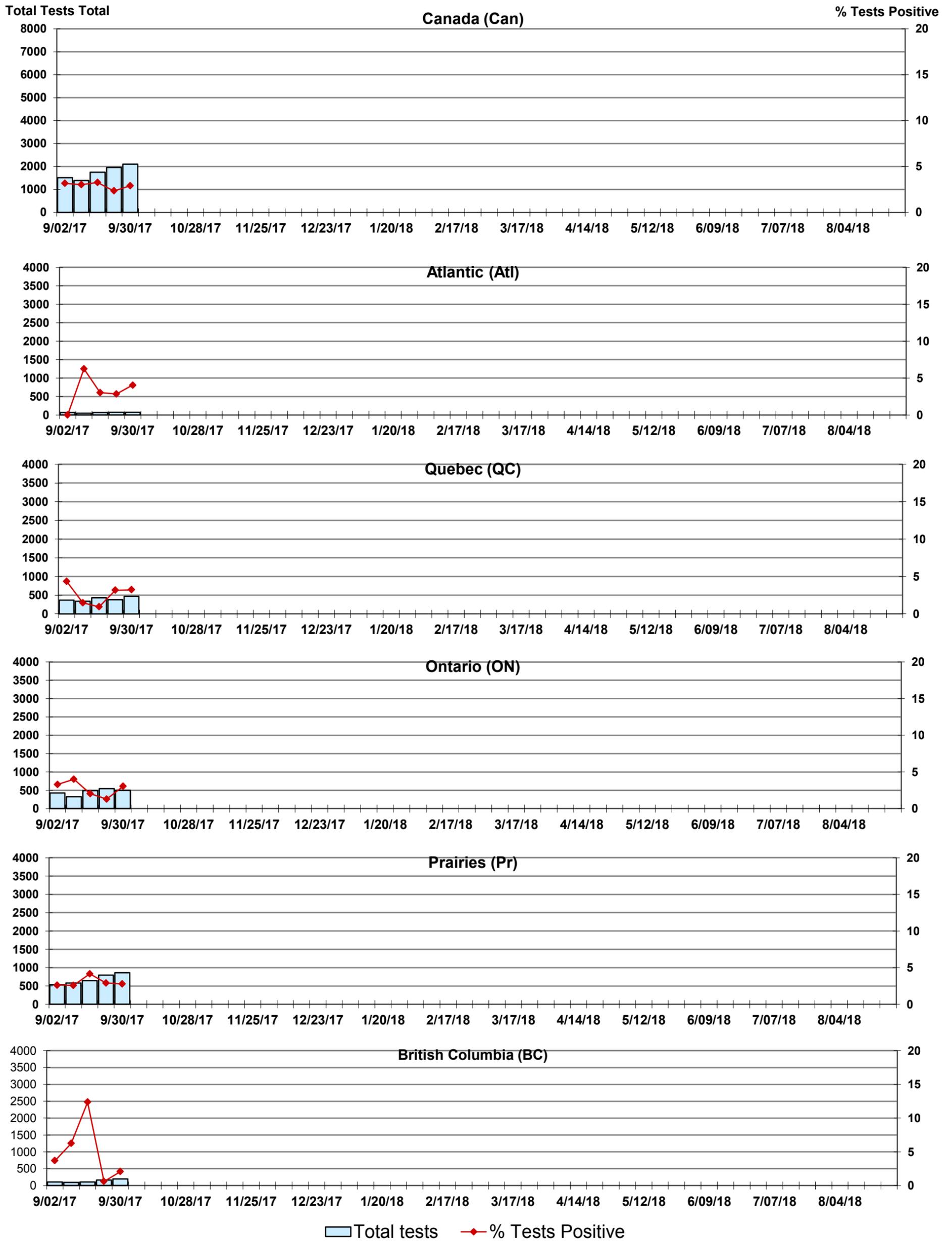


Figure 5: Positive Adenovirus (adeno) Tests (%) in Canada by Region by Week of Report

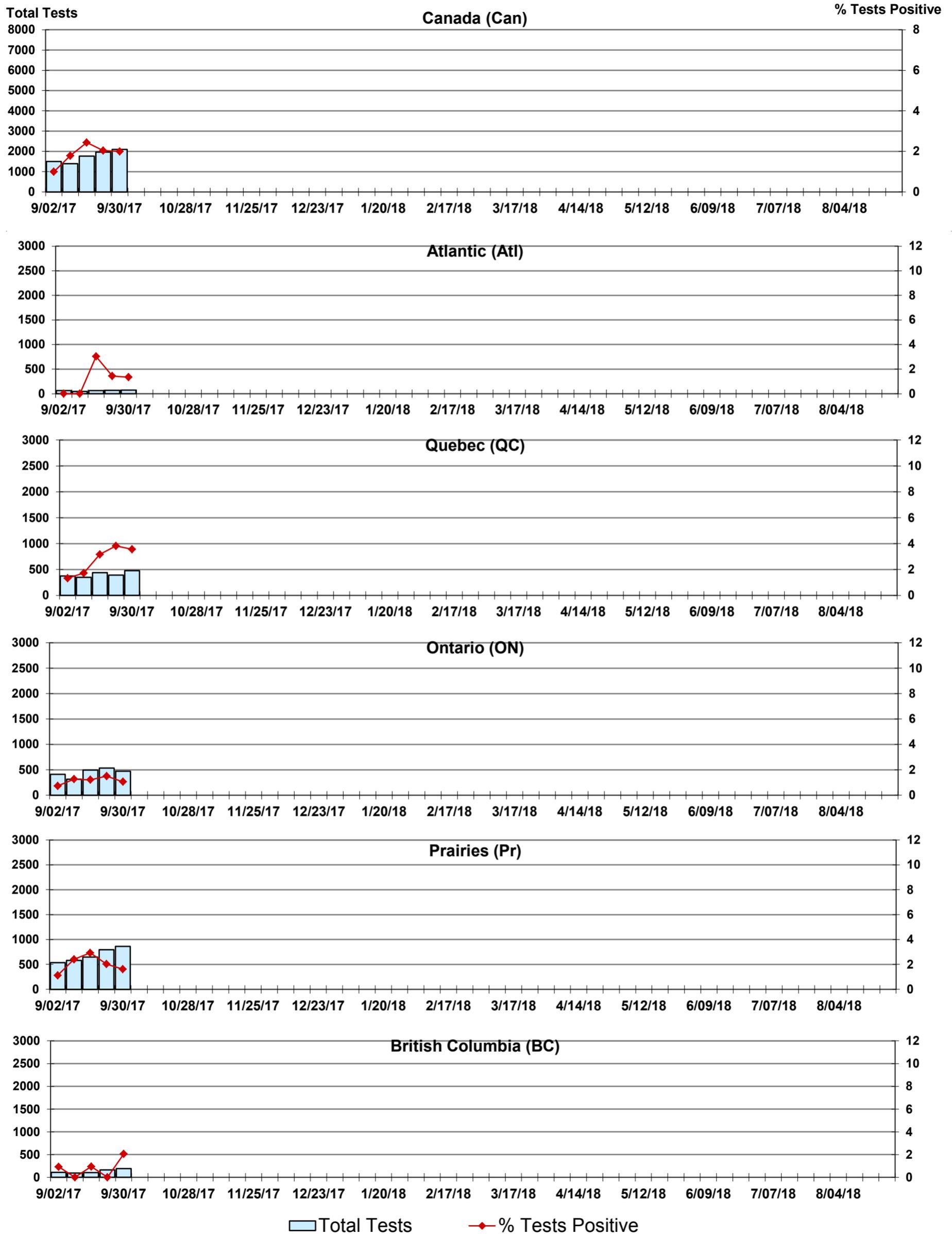


Figure 6: Positive human metapneumovirus (hMPV) Tests (%) in Canada by Region by Week of Report

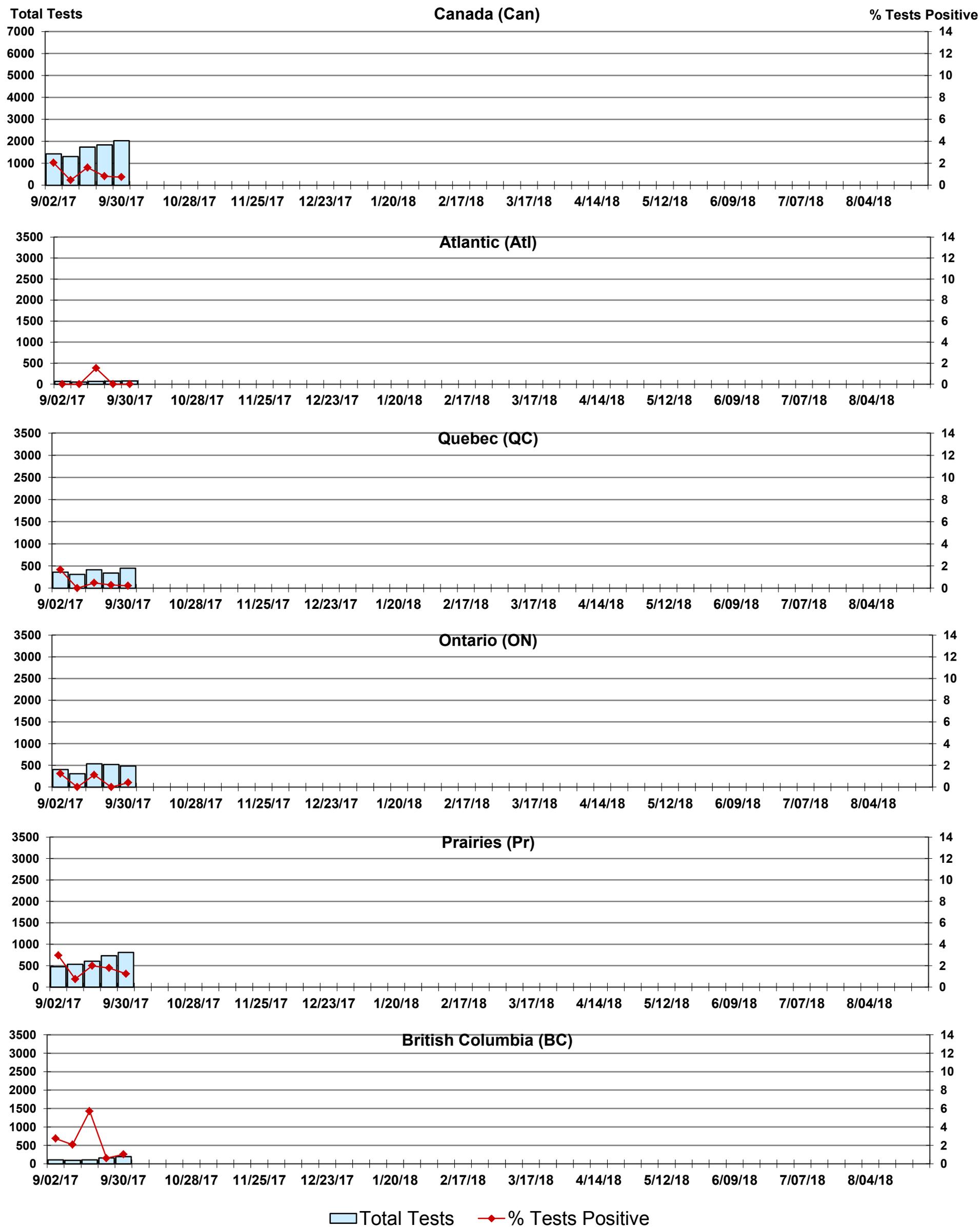


Figure 7: Positive Enterovirus/Rhinovirus (entero/rhino) Tests (%) in Canada by Region by Week of Report

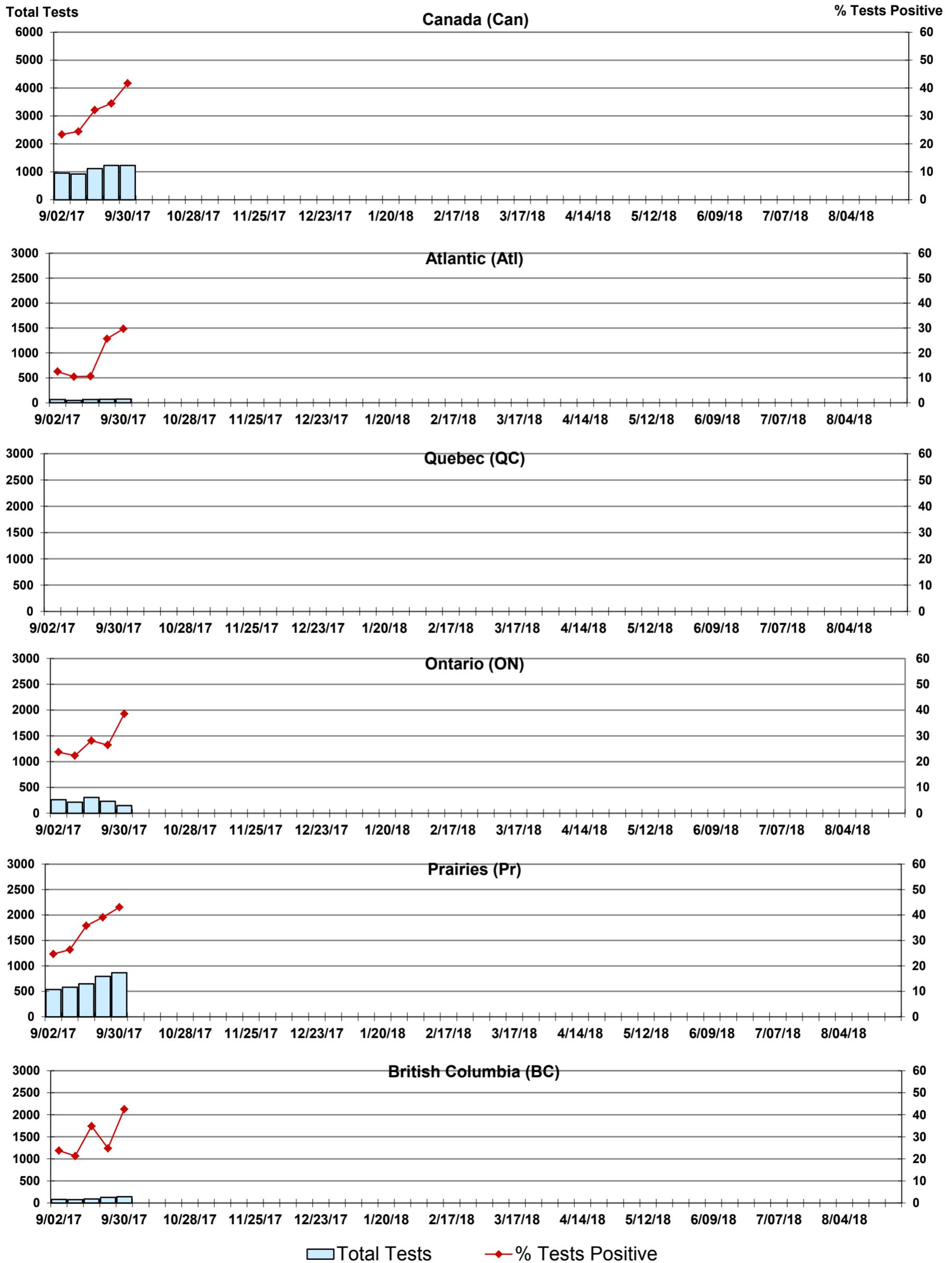


Figure 8: Positive Coronavirus (coron) Tests (%) in Canada by Region by Week of Report

