🗑 Ontario

Ministry of Health and Long-Term Care Public Health Division

#### Ontario Influenza Bulletin 2005-2006 Season

## SURVEILLANCE WEEK 9 (February 26 - March 4, 2006)

This issue of the Ontario Influenza Bulletin provides information on the surveillance period from February 26 – March 4, 2006. The analysis for this issue occurred on Thursday March 9, 2006, therefore all data is current to that date.

During week 9 of 2006, influenza activity in Ontario was higher compared to that of the previous week. Twenty seven sporadically occurring cases of influenza (7 influenza A, 15 influenza B and 5 unspecified) were reported through iPHIS. In addition, there were 5 institutional outbreaks (4 influenza A and 1 influenza B) reported. The overall highest level of influenza activity in Ontario was 'widespread activity' reported from Southwest region, although four individual health units from other regions also reported 'widespread activity'. Overall 'localized activity' were reported from Eastern, Toronto, Central East and Central West regions. North East and North West region regions reported 'sporadic activity'.

## Sincere thanks to all health units who have been submitting their Influenza Activity Report (Appendix 'C') to us by 4 p.m. each Tuesday. Your attention to this matter is most appreciated.

For a definition of influenza-like illness (ILI) activity levels and links to websites providing current influenza information from other sources, please refer to the attached Appendix. If you would like to provide feedback on the Bulletin, please contact Shafiq Chowdhury (<u>shafiq.chowdhury@moh.gov.on.ca</u>, 416-327-7807) or Anne-Luise Winter (<u>anne-luise.winter@moh.gov.on.ca</u>, 416-327-7301).

| Lab-confirmed                         | HEALTH REGION |               |         |                 |         |               |                 |       |
|---------------------------------------|---------------|---------------|---------|-----------------|---------|---------------|-----------------|-------|
| Influenza cases*                      | North<br>West | North<br>East | Eastern | Central<br>East | Toronto | South<br>West | Central<br>West | TOTAL |
| Influenza A                           | 0             | 0             | 1       | 2               | 2       | 0             | 2               | 7     |
| Influenza B                           | 0             | 0             | 0       | 0               | 1       | 8             | 6               | 15    |
| Influenza A & B                       | 0             | 0             | 0       | 0               | 0       | 0             | 0               | 0     |
| Unspecified <sup>†</sup>              | 1             | 1             | 1       | 0               | 0       | 2             | 0               | 5     |
| Total new cases                       | 1             | 1             | 2       | 2               | 3       | 10            | 8               | 27    |
| Institutional influenza<br>outbreaks‡ | 0             | 0             | 0       | 1               | 1       | 3             | 0               | 5     |

## Table 1: Summary of laboratory-confirmed influenza cases and institutional outbreaks, by health regions, February 26 – March 4, 2006.

SOURCE: MOHLTC [iPHIS, Health Unit Reports to PHD, Provincial Appendix D and Appendix E Database]

\* Includes reports of sporadically occurring influenza through iPHIS, as well as cases in institutional outbreaks, with dates of onset in the surveillance period.

† Type of influenza, i.e. A vs B, was not specified in iPHIS (i.e. Influenza subtype dropdown menu left blank or reported as "Unspecified"). ‡ Laboratory-confirmed outbreaks in institutions during the surveillance period.

#### Confirmed\* cases of influenza by health unit & health region, with an episode date<sup>†</sup> Table 2: between February 26 - March 4, 2006.

| Laboratory-Confirm |   |  |        |        | ad Influenza   |  |  |
|--------------------|---|--|--------|--------|----------------|--|--|
| Region             | Health Unit                                 | Laboratory-Confirmed Influenza<br>Influenza A Influenza B Unspecified <sup>‡</sup> TOTAL |        |        |                |  |  |
|                    | Northwestern                                | 0  | 0      | 1      | 1              |  |  |
| North<br>West      |   | 0  | 0      | 0      |                |  |  |
|                    | Thunder Bay District                        |  |        |        | 0              |  |  |
|                    | TOTAL NORTH WEST                            | 0  | 0      | 1      | 1              |  |  |
| st                 | Algoma                                      | 0<br>0   | 0      | 0      | 0<br>0         |  |  |
| Ea                 | North Bay Parry Sound District<br>Porcupine | 0  | 0<br>0 | 0<br>1 | 0<br>1         |  |  |
| North East         | Sudbury & District                          | 0  | 0      | 0      | 0              |  |  |
| ž                  | Timiskaming                                 | ů<br>0   | ů<br>0 | 0      | 0              |  |  |
|                    | TOTAL NORTH EAST                            | 0  | 0      | 1      | 1              |  |  |
|                    | Eastern Ontario                             | 0  | 0      | 0      | 0              |  |  |
| -                  | Hastings & Prince Edward Counties           | 0  | 0      | 0      | 0              |  |  |
| terr               | Kingston, Frontenac, Lennox & Addington     | 0  | 0      | 0      | 0              |  |  |
| Eastern            | Leeds, Grenville & Lanark                   | 0  | 0      | 1      | 1              |  |  |
| -                  | Ottawa                                      | 1  | 0      | 0      | 1              |  |  |
|                    | Renfrew                                     | 0  | 0      | 0      | 0              |  |  |
|                    | TOTAL EASTERN                               | 1  | 0      | 1      | 2              |  |  |
| ÷                  | Durham Region                               | 0  | 0      | 0      | 0              |  |  |
| Eas                | Haliburton, Kawartha, Pine Ridge District   | 1  | 0      | 0      | 1              |  |  |
| Central East       | Peterborough County-City                    | 0<br>0   | 0<br>0 | 0      | 0<br>0         |  |  |
| ent                | Simcoe Muskoka District<br>York Region      | 1  | 0      | 0<br>0 | 0<br>1         |  |  |
| C                  | Peel Region                                 | 0  | 0      | 0      | 0              |  |  |
|                    | TOTAL CENTRAL EAST                          | 2  | 0      | Ő      | 2              |  |  |
|                    |   | _  |        | •      | _              |  |  |
| Toronto            | Toronto                                     | 2  | 1      | 0      | 3              |  |  |
|                    | TOTAL TORONTO                               | 2  | 1      | 0      | 3              |  |  |
|                    | Grey-Bruce                                  | 0  | 0      | 0      | 0              |  |  |
|                    | Elgin-St. Thomas                            | 0  | 0      | 0      | 0              |  |  |
| t                  | Huron County                                | 0  | 2      | 0      | 2              |  |  |
| South West         | Chatham-Kent                                | 0  | 0      | 0      | 0              |  |  |
| th /               | Lambton                                     | 0  | 0      | 0      | 0              |  |  |
| sou                | Middlesex-London                            | 0  | 4      | 1      | 5              |  |  |
|                    | Oxford                                      | 0  | 0      | 1      | 1              |  |  |
|                    | Perth District                              | 0  | 2      | 0      | 2              |  |  |
|                    | Windsor-Essex County                        | 0  | 0      | 0      | 0              |  |  |
|                    | TOTAL SOUTHWEST<br>Brant                    | 0  | 8      | 2      | <b>10</b><br>0 |  |  |
| ي م                | Brant<br>Haldimand-Norfolk                  | 0  | 0      | 0      | 0              |  |  |
| /est               | Hamilton                                    | 0  | 3      | 0      | 0<br>3         |  |  |
| Central West       | Niagara Region                              | 0  | 0      | 0      | 0              |  |  |
| ntra               | Halton Region                               | 1  | 1      | 0      | 2              |  |  |
| မီ                 | Waterloo Region                             | 1  | 0      | 0      | 1              |  |  |
|                    | Wellington-Dufferin-Guelph                  | 0  | 2      | 0      | 2              |  |  |
|                    | TOTAL CENTRAL WEST                          | 2  | 6      | 0      | 8              |  |  |
|                    |   | 7  | 15     | F      | 27             |  |  |
|                    | TOTAL ONTARIO                               | 1  | 15     | 5      | 21             |  |  |

SOURCE: MOHLTC [iPHIS, Health Unit Reports to PHD] \* Confirmed cases of influenza can include laboratory-confirmed cases and epi-linked cases.

† Episode Date for a case corresponds to the earliest date on record for the case according to the iPHIS hierarchy (Symptom Date > Clinical Diagnosis Date > Specimen Collection Date > Lab Test Date > Reported Date)

‡Type of influenza, i.e. A vs B, was not specified in iPHIS (i.e. Influenza subtype dropdown menu left blank or reported as unspecified)

#### Cumulative\* confirmed<sup>†</sup> cases of influenza by health unit & health region, September 1, Table 3: 2005 to March 4, 2006.

|               |   |             | Laboratory-Confir | med Influenza            |        |
|---------------|---|-------------|-------------------|--------------------------|--------|
| Region        | Health Unit                               | Influenza A | Influenza B       | Unspecified <sup>‡</sup> | TOTAL  |
| st th         | Northwestern                              | 0           | 1                 | 2                        | 3      |
| North<br>West | Thunder Bay District                      | 0           | 0                 | 0                        | 0      |
|               | TOTAL NORTH WEST                          | 0           | 1                 | 2                        | 3      |
|               | Algoma                                    | 0           | 0                 | 1                        | 3<br>1 |
| ast           | North Bay Parry Sound District            | 0           | 0                 | 0                        | 0      |
| ш́            | Porcupine                                 | 0           | 1                 | 1                        | 2      |
| North East    | Sudbury & District                        | 1           | 0                 | 0                        | 1      |
| ž             | Timiskaming                               | 0           | 0                 | 0                        | 0      |
|               | TOTAL NORTH EAST                          | 1           | 1                 | 2                        | 4      |
|               | Eastern Ontario                           | 1           | 0                 | 0                        | 1      |
|               | Hastings & Prince Edward Counties         | 7           | 4                 | 0                        | 11     |
| Eastern       | Kingston, Frontenac, Lennox & Addington   | 4           | 0                 | 0                        | 4      |
| aste          | Leeds, Grenville & Lanark                 | 1           | 0                 | 5                        | 6      |
| ш             | Ottawa                                    | 7           | 0                 | 2                        | 9      |
|               | Renfrew                                   | 3           | 0                 | 0                        | 3      |
|               | TOTAL EASTERN                             | 23          | 4                 | 7                        | 34     |
|               | Durham Region                             | 4           | 0                 | 0                        | 4      |
| ıst           | Haliburton, Kawartha, Pine Ridge District | 7           | 4                 | 0                        | 11     |
| Шa            | Peterborough County-City                  | 1           | 0                 | 1                        | 2      |
| tral          | Simcoe Muskoka District                   | 14          | 8                 | 6                        | 28     |
| Central East  | York Region                               | 8           | 15                | 0                        | 23     |
| o             | Peel Region                               | 7           | 5                 | 0                        | 12     |
|               | TOTAL CENTRAL EAST                        | 41          | 32                | 7                        | 80     |
| •             |   |             |                   |                          |        |
| Toronto       | Toronto                                   | 44          | 31                | 3                        | 78     |
|               | TOTAL TORONTO                             | 44          | 31                | 3                        | 78     |
|               | Grey-Bruce                                | 4           | 7                 | 1                        | 12     |
|               | Elgin-St. Thomas                          | 1           | 0                 | 0                        | 1      |
| Ħ             | Huron County                              | 2           | 3                 | 0                        | 5      |
| South West    | Chatham-Kent                              | 0           | 0                 | 1                        | 1      |
| د<br>ع        | Lambton                                   | 0           | 0                 | 0                        | 0      |
| ont           | Middlesex-London                          | 8           | 10                | 2                        | 20     |
| Ň             | Oxford                                    | 1           | 2                 | 1                        | 4      |
|               | Perth District                            | 1           | 5                 | 0                        | 6      |
|               | Windsor-Essex County                      | 2           | 0                 | 0                        | 2      |
|               | TOTAL SOUTHWEST                           | 19          | 27                | 5                        | 51     |
|               | Brant                                     | 0           | 0                 | 0                        | 0      |
| st            | Haldimand-Norfolk                         | 0           | 1                 | 2                        | 3      |
| Central West  | Hamilton                                  | 29          | 16                | 0                        | 45     |
| ral           | Niagara Region                            | 3           | 4                 | 1                        | 8      |
| antı          | Halton Region                             | 10          | 5                 | 0                        | 15     |
| ő             | Waterloo Region                           | 14          | 7                 | 0                        | 21     |
|               | Wellington-Dufferin-Guelph                | 1           | 4                 | 1                        | 6      |
|               | TOTAL CENTRAL WEST                        | 57          | 37                | 4                        | 98     |
|               | TOTAL ONTARIO                             | 185         | 133               | 30                       | 348    |

SOURCE: MOHLTC [iPHIS, Health Unit Reports to PHD]

\* Cumulative case counts include late reports and records that are otherwise reconciled. Therefore, cumulative counts may not equal new cases plus † Confirmed cases of influenza can include laboratory-confirmed cases and epi-linked cases.
 ‡ Type of influenza, i.e. A vs B, was not specified in iPHIS (i.e. Influenza subtype dropdown menu left blank or reported as unspecified)

#### Influenza Subtype(s):

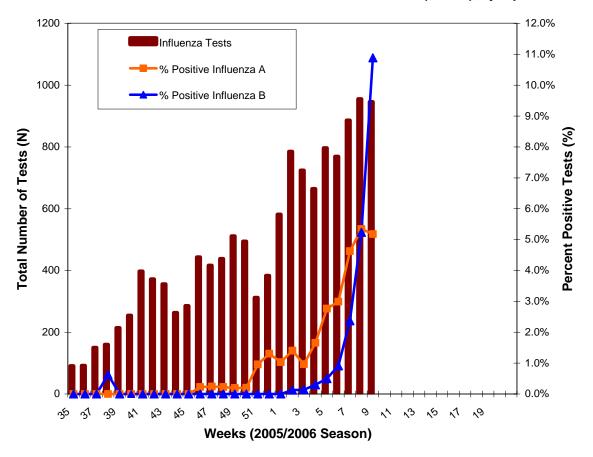
During Week 9, 3,085 isolates were received by the Public Health Agency of Canada, with a total of 219 and 231 testing positive for influenza A and B respectively. The majority of the influenza A isolates (69) were from Alberta (31.5%), Ontario 49 (22.4%) and British Columbia 28(12.8%). The majority of the influenza B isolates (103) were from Ontario (44.6%), British Columbia 51(22.1%) and Alberta 40 (17.3%).\*

Since the start of the 2005-2006 influenza season, the National Microbiology Laboratory (NML) has antigenically characterized 394 influenza viruses: 202 A/California/07/2004(H3N2)-like viruses; 7 A/New Caledonia/20/1999(H1N1)-like viruses; 136 B/Hong Kong/330/2001-like and 44 B/Malaysia/2506/2004-like viruses both belonging to the B/Victoria/2/1987 lineage; and 5 B/Shanghai/361/2002-like viruses belonging to the B/Yamagata/16/1988 lineage. The B/Malaysia/2506/2004-like strain is the WHO-recommended influenza B component for the Northern Hemisphere 2006-2007 influenza vaccine.\*\*

Note: The 2005-2006 season Canadian vaccine contains an A/ New Caledonia/20/1999(H1N1)-like, an A/ California/7/2004(H3N2)-like, and a B/Shanghai/361/2002-like virus strain.

\* These data have been obtained from the Respiratory Virus Detection table of Public Health Agency of Canada for week 9, 2006 \*\* These data have been obtained from the FluWatch report of the Public Health Agency of Canada for week 8, (Feb 19 – Feb. 25) 2006

## Figure 1: Total number of influenza tests performed and percent of positive tests in Ontario reported to the Centre for Infectious Disease Prevention and Control (CIDPC), by report week<sup>\*</sup>.



Source: Public Health Agency of Canada

\* Total numbers reported include late reports; therefore totals may not be equal to the sum of the weekly numbers. Note: Cumulative numbers for season to date are available through FluWatch: <u>http://www.phac-aspc.gc.ca/fluwatch/</u>

#### Table 4: Institutional respiratory outbreaks in Ontario, September 1, 2005 to March 4, 2006

| New Outbreaks*   | N   | % (of outbreaks) |
|--|-----|------------------|
| Influenza A  | 4   | 19.0             |
| Influenza B  | 1   | 4.8              |
| Influenza A and B  | 0   | 0.0              |
| Parainfluenza (All types)                                  | 1   | 4.8              |
| Other organisms  | 0   | 0.0              |
| No organism identified                                     | 15  | 71.4             |
| TOTAL  | 21  | 100              |
| Total Respiratory Infection Outbreaks,<br>Season to Date** | Ν   | % (of outbreaks) |
| Influenza A  | 30  | 6.7              |
| Influenza B  | 4   | 0.9              |
| Influenza A and B  | 1   | 0.2              |
| Parainfluenza (All types)                                  | 38  | 8.5              |
| Other organisms  | 65  | 14.6             |
| No organism identified                                     | 308 | 69.1             |
| TOTAL  | 446 | 100              |
| Types of Institutions (All Outbreaks)                      | Ν   | % (of outbreaks) |
| Long-Term Care Homes                                       | 374 | 83.9             |
| Hospitals  | 23  | 5.2              |
| Retirement Homes   | 47  | 10.5             |
| Other  | 2   | 0.4              |
| TOTAL  | 446 | 100              |
| Outbreak Related Complications<br>(All Outbreaks)          | Ν   | % (of cases)     |
| Deaths   |     |                  |
| Residents  | 130 | 2.5              |
| Staff  | 0   | 0.0              |
| Pneumonia (Chest x-ray confirmed)                          |     |                  |
| Residents  | 234 | 4.6              |
| Staff  | 18  | 1.2              |
| Hospitalizations   |     |                  |
| Residents  | 281 | 5.5              |
| Staff  | 10  | 0.7              |

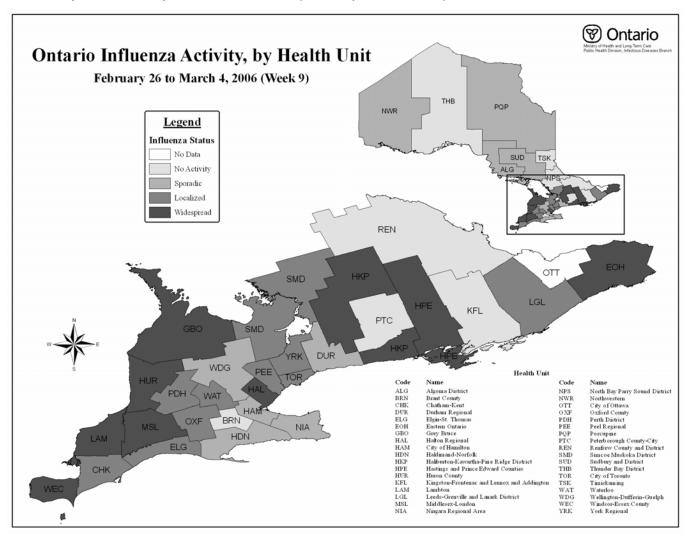
#### Institutional Respiratory Infection Outbreaks

**SOURCE:** MOHLTC [Provincial Appendix D and Appendix E Database]

\*\* Season to date includes all outbreaks in which the date of onset of the first case occurred between September 1, 2005 and March 4, 2006.

\* New outbreaks are those in which the date of onset of the first case occurred in the current surveillance period (February 26 – March 4, 2006)

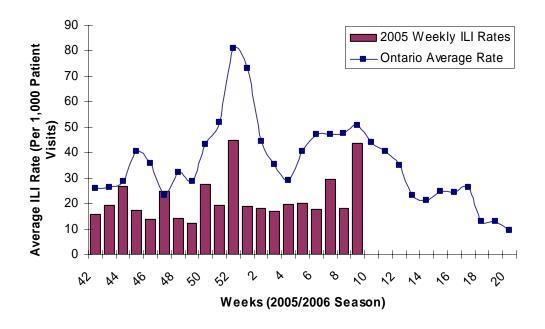
Figure 2: Influenza activity\* in Ontario by health unit, Week 9 (February 26 – March 4) 2006.



**SOURCE:** MOHLTC [Provincial Influenza Activity Report (Appendix C) Database]

\* Influenza activity levels, as represented on this map, are assigned by local public health units and reported to the MOHLTC by the Tuesday following the end of the surveillance week at 4 pm. Activity levels are assigned based on laboratory confirmations, ILI reports from various sources, and laboratory-confirmed institutional outbreaks. Please refer to detailed definitions for the 2005-2006 season included in the Appendix.

# Figure 3: Average influenza-like illness consultation rate (per 1,000 patient visits) reported by sentinel physicians\* in Ontario in 2005- 2006 season, by report week, Compared to Ontario average<sup>†</sup> (1996/96 to 2004/05 seasons).



Source: Public Health Agency of Canada

\* Sentinel physician information is reported to Public Health Agency of Canada.

<sup>†</sup>No data available for mean rate in previous years for weeks 21 to 39 (1996-1997 through 2002-2003 seasons). During weeks 20-39, 2002-2003/2004-2005 seasons, ILI is reported once every two weeks, on even weeks only.

| Postal Code      | 0 - 4 | 5 – 19 | 20 – 64 | 65 +   | Unknown |
|------------------|-------|--------|---------|--------|---------|
| K0C1A0           | 0-4   | 0      | 0       | 05 +   | 0       |
| K0CTA0<br>K2P1V3 |       |        |         |        |         |
| -                | 0     | 1      | 2       | 0      | 0       |
| K1J9M2           | 0     | 0      | 0       | 0      | 0       |
| K0H2N0           | 2     | 1      | 0       | 0      | 0       |
| K7H2W6           | 0     | 0      | 0       | 0      | 0       |
| K7L1E9           | 0     | 0      | 1       | 0      | 0       |
| K0L1C0           | 0     | 0      | 0       | 0      | 0       |
| K0L1H0           | 0     | 2      | 0       | 0      | 0       |
| K0M1A0           | 0     | 0      | 0       | 0      | 0       |
| L1B1H8           | 0     | 1      | 0       | 0      | 0       |
| L4J7Y3           | 0     | 0      | 0       | 0      | 0       |
| M5M1B2           | 2     | 0      | 0       | 0      | 0       |
| M4X1W4           | 0     | 0      | 0       | 1      | 0       |
| M4E1V8           | 0     | 0      | 1       | 0      | 0       |
| M8Y1W3           | 0     | 0      | 0       | 0      | 0       |
| M2J2Z1           | õ     | Ő      | Õ       | Ő      | Ő       |
| M3H1T1           | 2     | 2      | 0       | 0      | 0       |
| M9W6N5           | 0     | 5      | 0       | 1      | 0       |
| M9W4L6           | 1     | 3      | 2       | 0      | 0       |
| M8V2Z5           |       |        |         |        |         |
| L5J2W4           | 0     | 0      | 0       | 0      | 0       |
|                  | 0     | 0      | 0       | 0      | 0       |
| L4Y2N8           | 0     | 0      | 0       | 0      | 0       |
| L6V4H6           | 2     | 2      | 2       | 1      | 0       |
| L9W1G2           | 0     | 0      | 0       | 0      | 0       |
| L9H1V1           | 1     | 0      | 0       | 1      | 0       |
| L9H2G2           | 1     | 1      | 1       | 0      | 0       |
| L0R1H0           | 0     | 0      | 0       | 0      | 0       |
| L2E1Y3           | 0     | 0      | 0       | 0      | 0       |
| L0R1B0           | 0     | 3      | 6       | 0      | 0       |
| N3C2E2           | 0     | 0      | 0       | 0      | 0       |
| N2M3B5           | 1     | 1      | 0       | 0      | 0       |
| N4W1P9           | 0     | 0      | 0       | 0      | 0       |
| N5H1K9           | 0     | 0      | 0       | 0      | 0       |
| N0R1G0           | 0     | 0      | 0       | 0      | 0       |
| N8X2G3           | 0     | 0      | 5       | 0      | 0       |
| N0M1T0           | 0     | 0      | 2       | 0      | 0       |
| N6C2R5           | 0     | 0      | 0       | 0      | 0       |
| N0M1L0           | 0     | 1      | 0       | 0      | 0       |
| N0G1L0           | Õ     | 0      | õ       | 0<br>0 | 0       |
| NOC1E0           | 0     | 0      | 0       | 0      | 0       |
| L4R4P4           | 0     | 0      | 0       | 0      | 0       |
| K0J1B0           | 0     | 0      | 0       | 0      | 0       |
| P0H2H0           | 0     | 0      | 0       | 0      | 0       |
| P0H2H0<br>P0A1C0 | 0     | 0      | 0       | 0      | 0       |
| POP1S0           |       |        |         |        |         |
|                  | 0     | 0      | 0       | 1      | 0       |
| P4N1C6           | 0     | 0      | 0       | 0      | 0       |
| P6B1Y5           | 1     | 0      | 0       | 0      | 0       |
| P7E1H5           | 0     | 0      | 0       | 0      | 0       |
| P0T2E0           | 0     | 0      | 0       | 0      | 0       |
| P0W1E0           | 0     | 0      | 0       | 0      | 0       |
| P9N3W7           | 0     | 1      | 0       | 0      | 0       |
| ILI Sum          | 13    | 24     | 22      | 5      | 0       |
| ILI Consultation | -     |        |         | -      |         |
| Rate (per 1,000  | 128.7 | 135.6  | 27.9    | 12.7   | 0.0     |
| patient visits)  |       |        |         |        |         |

# Table 5: Average Influenza-like illness consultation rate (per 1,000 patient visits) reported bySentinel Physicians\* in Ontario, by age group and postal code for week 9, 2006.

Source: Public Health Agency of Canada

\* Sentinel physician information is reported to the Public Health Agency of Canada

Note: The small numbers of sentinel physicians reporting at the local level make the ILI rates unstable. Please interpret these data correspondingly.

#### FURTHER INFORMATION

- Ontario Ministry of Health and Long-Term Care Previous issues of the Ontario Influenza Bulletin can be accessed at: www.health.gov.on.ca/english/providers/program/pubhealth/flu/flu\_04/flubul\_mn.html
- Public Health Agency of Canada Issues of FluWatch can be accessed at: <u>www.phac-aspc.gc.ca/fluwatch/</u>
- 3. United States Centers for Disease Control and Prevention <u>www.cdc.gov/flu/</u>

#### APPENDIX

#### Definitions for influenza activity levels:

**No Data:** No activity report corresponding to the surveillance week was received at the Ministry of Health and Long-Term Care Call Centre by the Tuesday (at 4 p.m.) following the end of the surveillance period. **No Activity =** No ILI and no laboratory-confirmed cases\* or outbreaks occurred.

**Sporadic:** sporadically occurring ILI <u>AND</u> laboratory-confirmed influenza\* with NO outbreaks detected within the influenza surveillance region†

**Localized:** sporadically occurring ILI <u>AND</u> laboratory-confirmed influenza\* together with outbreaks of ILI in schools and worksites or laboratory confirmed influenza in residential institutions occurring in less than 50% of the influenza surveillance region(s)

**Widespread:** sporadically occurring ILI <u>AND</u> laboratory-confirmed influenza\* together with outbreaks of ILI in schools and worksites or laboratory-confirmed influenza in residential institutions occurring in greater than or equal to 50% of the influenza surveillance region(s)

\* Confirmation of influenza within the surveillance region at any time within the prior four weeks

† Sub-regions within the province or territory as defined by the provincial/territorial epidemiologist

#### Influenza-Like Illness (ILI) Definitions:

#### A) ILI in the general population:

Acute onset of respiratory illness with fever and cough and with one or more of the following - sore throat, arthralgia, myalgia, or prostration which could be due to influenza virus. In children under 5, gastrointestinal symptoms may also be present. In patients under 5 or 65 and older, fever may not be prominent.

#### B) ILI/Influenza outbreaks:

Schools and work sites: greater than 10% absenteeism on any day most likely due to ILI.

**Residential institutions:** two or more cases of ILI within a seven-day period, including at least one laboratory-confirmed case.