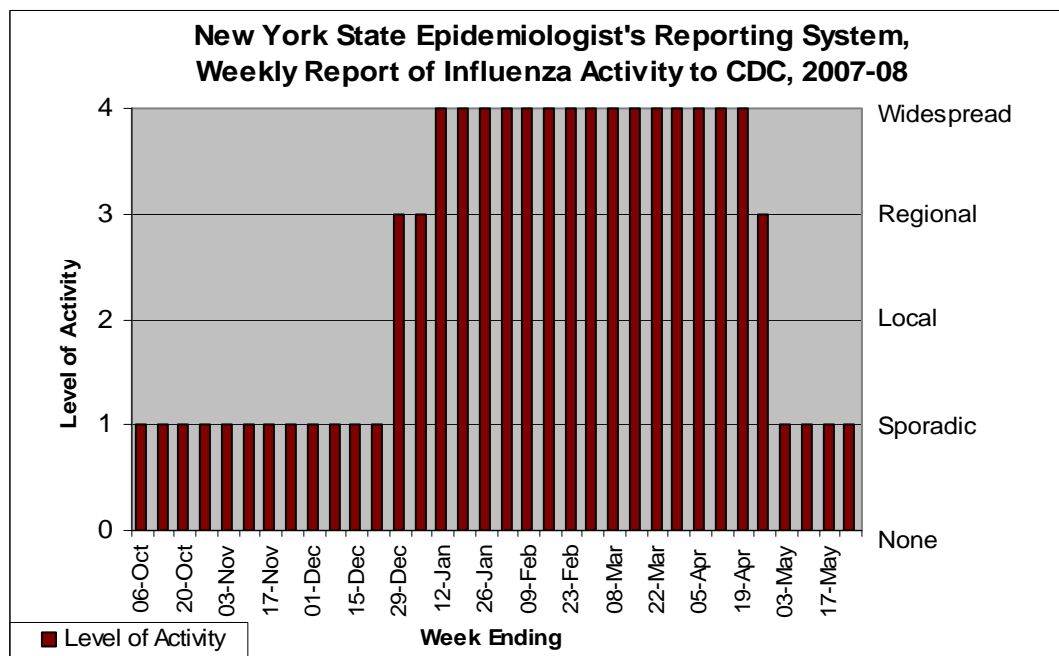


**NEW YORK STATE DEPARTMENT OF HEALTH  
BUREAU OF COMMUNICABLE DISEASE CONTROL  
REGIONAL EPIDEMIOLOGY PROGRAM**

**STATEWIDE SUMMARY  
2007 - 08 INFLUENZA SEASON\***

**1. WEEKLY NEW YORK STATE EPIDEMIOLOGIST'S REPORT TO CDC:**

**2007 - 08 Season's Activity**



**\*NOTE:** The CDC-defined influenza reporting season begins the first week in October and ends the third week in May. This report is available on NYSDOH's Influenza website at: <http://www.health.state.ny.us/diseases/communicable/influenza/surveillance.htm>. CDC's nationwide influenza surveillance summary for the 2007-08 season, when issued, will be available at: <http://www.cdc.gov/flu/weekly/weeklyarchives2007-2008/07-08summary.htm>.

**CDC's Definition of Influenza Activity Levels:**

<b>Activity Level</b>	<b>ILI<sup>1</sup> activity/Outbreaks</b>		<b>Laboratory data</b>
<b>No activity</b>	Low	<b>And</b>	No lab-confirmed <sup>2</sup> cases
<b>Sporadic</b>	Not increased	<b>And</b>	Isolated lab-confirmed cases
	<b>OR</b>		
<b>Local</b>	Not increased	<b>And</b>	Lab-confirmed outbreak in one institution <sup>3</sup>
	Increased ILI in one region; ILI activity in other regions is not increased	<b>And</b>	Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI
<b>Local</b>	<b>OR</b>		
	2 or more institutional outbreaks (ILI or lab-confirmed) in one region; ILI activity in other regions is not increased	<b>And</b>	Recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions
<b>Regional</b>	Increased ILI in $\geq$ two but less than half of the regions	<b>And</b>	Recent (within the past 3 weeks) lab confirmed influenza in the affected regions
	<b>OR</b>		
<b>Regional</b>	Institutional outbreaks (ILI or lab confirmed) in $\geq$ two and less than half of the regions	<b>And</b>	Recent (within the past 3 weeks) lab confirmed influenza in the affected regions
	Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions	<b>And</b>	Recent (within the past 3 weeks) lab confirmed influenza in the state.

<sup>1</sup> ILI = influenza-like illness, defined as temperature  $\geq$  100° F with cough or sore throat in the absence of a known cause other than influenza

<sup>2</sup> Lab-confirmed = positive rapid antigen test or culture

<sup>3</sup> Institution includes nursing home, hospital, prison, school, etc.

## 2. NOSOCOMIAL INFLUENZA REPORTING:

### Nosocomial Influenza Reports<sup>4</sup> Received by NYSDOH, by Week of Report, 2007-08 Influenza Season

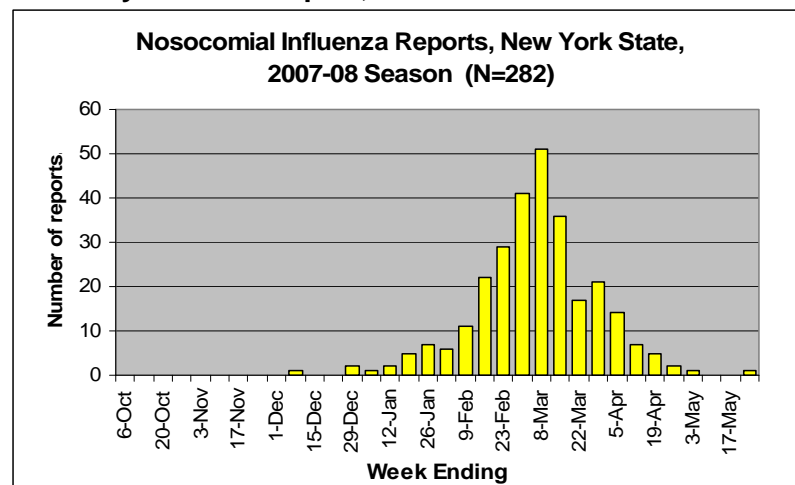
NYSDOH received reports of laboratory-confirmed nosocomial influenza activity as noted in the table below.

Week Ending	# of Nosocomial Reports Received	County of Location
May 24, 2008	1	Westchester
May 17	0	
May 10	0	
May 3	1	Monroe
April 26	2	Broome, Kings
April 19	5	Erie, Nassau, New York, Queens, Saratoga
April 12	7	Broome, Cayuga, Chautauqua (2), Nassau, Ontario, Seneca
April 5	14	Albany, Broome (3), Chautauqua (2), Erie, Nassau, New York, Orange, Steuben, Suffolk (2), Westchester
March 29	21	Bronx, Broome (2), Cayuga, Chemung, Chenango, Cortland, Dutchess, Erie (2), Essex, Herkimer, Nassau (3), Ontario, Queens, St. Lawrence, Schenectady, Steuben, Ulster
March 22	17	Broome, Cayuga, Chemung, Chenango, Columbia, Delaware, Erie, Jefferson, Madison, New York, Oneida, Onondaga, Rockland, Saratoga, Schenectady, Washington, Westchester
March 15	36	Albany, Broome (2), Dutchess, Erie (4), Fulton, Herkimer, Madison, Monroe (3), Nassau, New York, Onondaga (2), Orange, Otsego, Queens (2), Rensselaer, Suffolk (5), Tioga, Tompkins, Ulster (2), Westchester (3), Yates
March 8	51	Albany (3), Allegany, Broome, Chautauqua, Chemung, Chenango, Clinton, Columbia, Dutchess, Erie (5), Essex (2), Franklin, Genesee, Herkimer, Jefferson, Kings, Monroe (2), Montgomery, Nassau, New York (2), Niagara, Oneida (6), Onondaga (2), Ontario, Queens (4), Rensselaer (2), Richmond, St. Lawrence, Suffolk (2), Westchester, Yates
March 1	41	Albany, Bronx (2), Broome, Chemung, Chenango, Clinton, Dutchess (2), Erie (7), Franklin, Herkimer, Jefferson, Lewis, Monroe (2), Nassau (2), New York (5), Oneida, Onondaga, Ontario, Oswego (2), Otsego, Putnam, Saratoga, Steuben, Ulster, Westchester (2)
February 23	29	Albany, Broome (2), Cayuga, Chautauqua, Erie, Herkimer, Kings, Livingston, Monroe (2), Montgomery, Nassau (2), New York, Niagara, Oneida, Onondaga, Oswego, Queens, Richmond (2), Rockland, Schenectady, Seneca (2), Suffolk (2), Westchester
February 16	22	Chautauqua, Erie, Fulton, Monroe (2), Nassau (2), New York, Oneida, Onondaga (4), Queens, Richmond, Saratoga (2), Steuben (2), Sullivan, Wayne (2)
February 9	11	Broome, Columbia, Erie (2), Monroe (2), Niagara, Oneida, Onondaga, Orange, Westchester
February 2	6	Bronx, Chautauqua, Monroe, New York, Oneida, Westchester

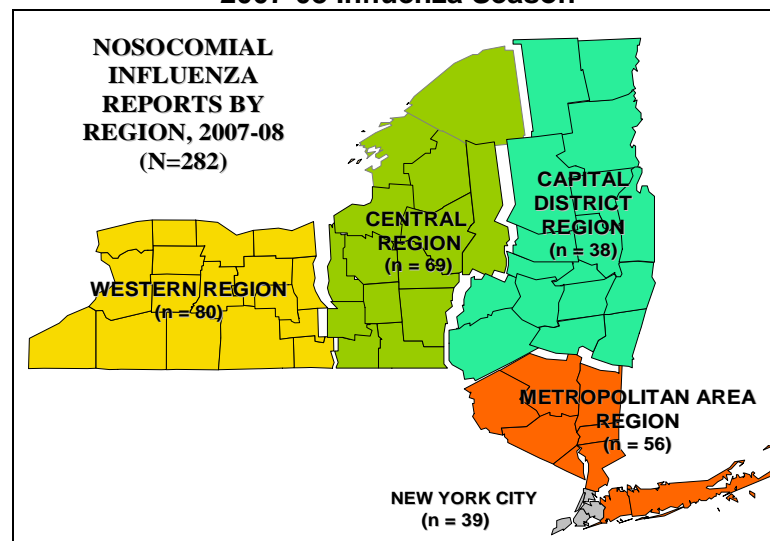
<sup>4</sup> Facilities reporting one or more laboratory-confirmed nosocomial influenza cases

January 26	7	Kings, Livingston, Monroe (2), New York, Onondaga, Orange
January 19	5	Monroe, New York, Orange, Rensselaer, Tompkins
January 12	2	Queens, Yates
January 5	1	Oneida
December 29, 2007	2	Chemung, Westchester
December 22	0	
December 15	0	
December 8	1	Washington
December 1	0	
November 24	0	
November 17	0	
November 10	0	
November 3	0	
October 27	0	
October 20	0	
October 13	0	
October 6	0	
<b>Total</b>	<b>282</b>	

**Number of Laboratory-Confirmed Nosocomial Influenza Reports, by Week of Report, 2007-08 Influenza Season**



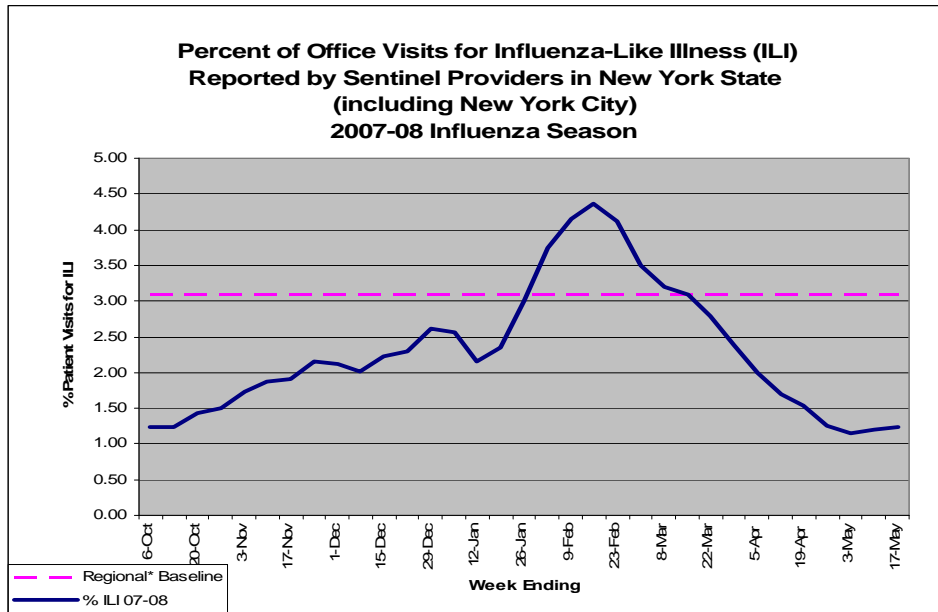
**Number of Laboratory-Confirmed Nosocomial Influenza Reports, by Region, 2007-08 Influenza Season**



**Nosocomial Influenza Reports Received by NYSDOH,  
by County, 2007-08 Influenza Season (N=282)**

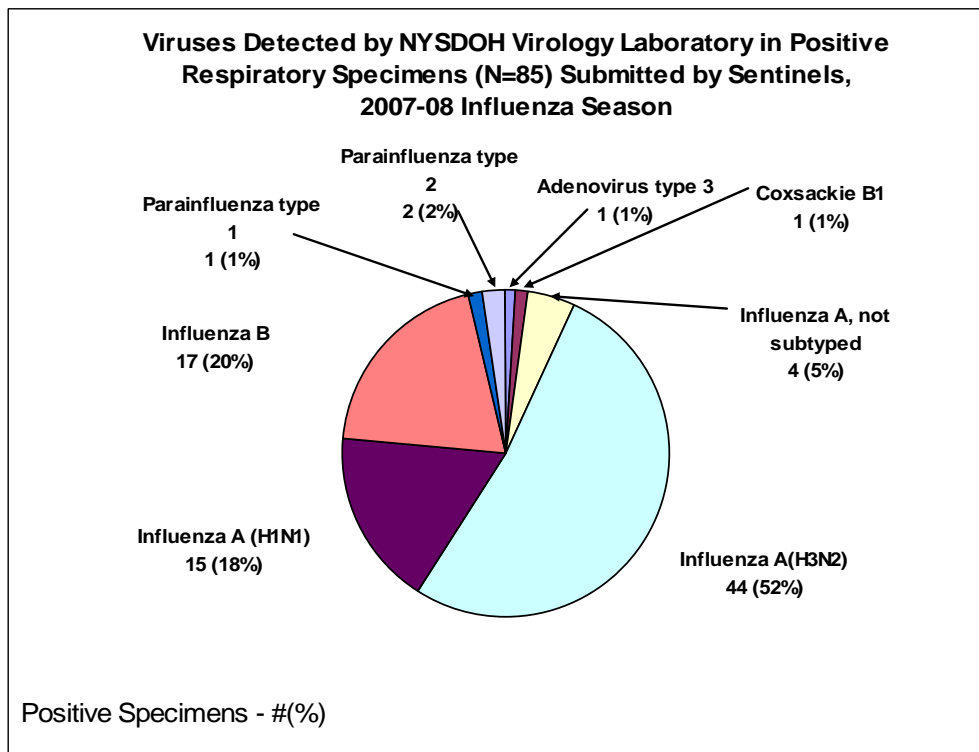
<b>COUNTY/REGION</b>	<b>REPORTS RECEIVED</b>	<b>COUNTY/REGION</b>	<b>REPORTS RECEIVED</b>
<b><u>Capital District Region</u></b>		<b><u>Western Region</u></b>	
Albany	7	Allegany	1
Clinton	2	Cattaraugus	0
Columbia	3	Chautauqua	8
Delaware	1	Chemung	5
Essex	3	Erie	25
Franklin	2	Genesee	1
Fulton	2	Livingston	2
Greene	0	Monroe	18
Hamilton	0	Niagara	3
Montgomery	2	Ontario	4
Otsego	2	Orleans	0
Rensselaer	4	Schuyler	0
Saratoga	5	Seneca	3
Schenectady	3	Steuben	5
Schoharie	0	Wayne	2
Warren	0	Wyoming	0
Washington	2	Yates	3
<b>Region Total Nosocomial</b>	<b>38</b>	<b>Region Total Nosocomial</b>	<b>80</b>
<b><u>Central Region</u></b>		<b><u>MARO – New Rochelle</u></b>	
Broome	15	Dutchess	5
Cayuga	4	Nassau	14
Chenango	4	Orange	5
Cortland	1	Putnam	1
Herkimer	5	Rockland	2
Jefferson	3	Suffolk	11
Lewis	1	Sullivan	1
Madison	2	Ulster	4
Oneida	13	Westchester	13
Onondaga	13	<b>Region Total Nosocomial</b>	<b>56</b>
Oswego	3		
St. Lawrence	2	<b><u>MARO – New York City</u></b>	
Tioga	1	Bronx	4
Tompkins	2	Kings	4
<b>Region Total Nosocomial</b>	<b>69</b>	New York	16
		Queens	11
		Richmond	4
		<b>Region Total Nosocomial</b>	<b>39</b>

### 3. SENTINEL PROVIDER SURVEILLANCE:



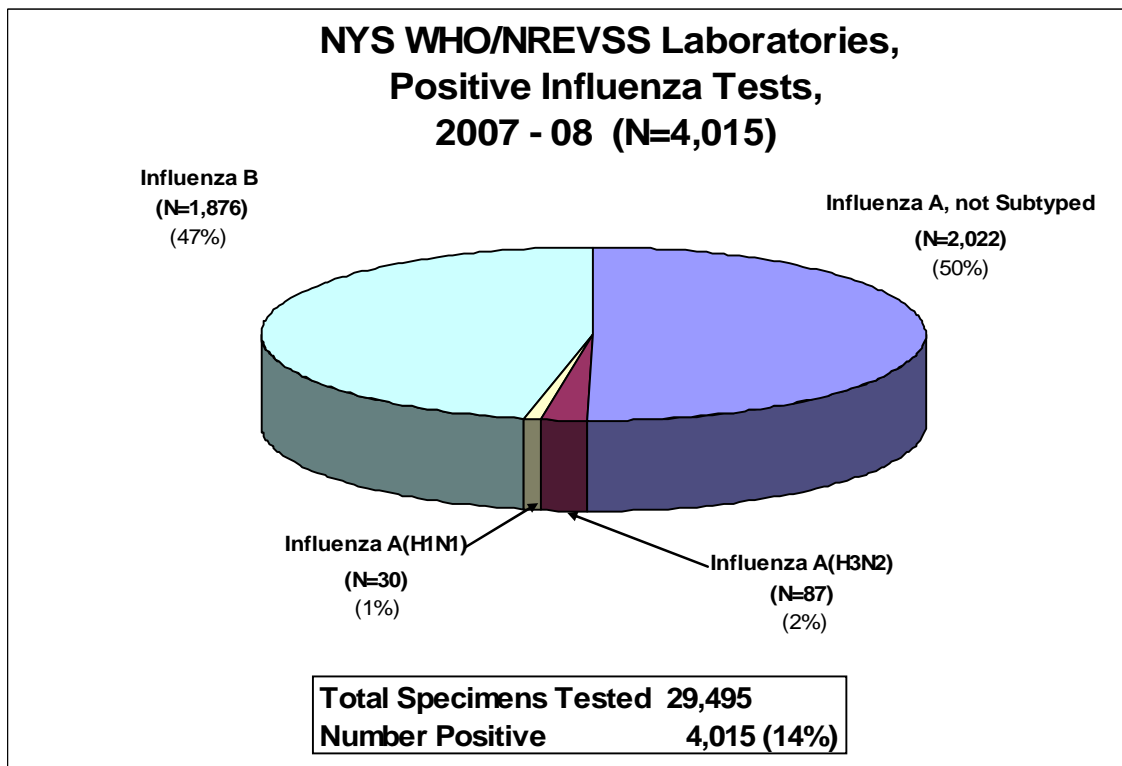
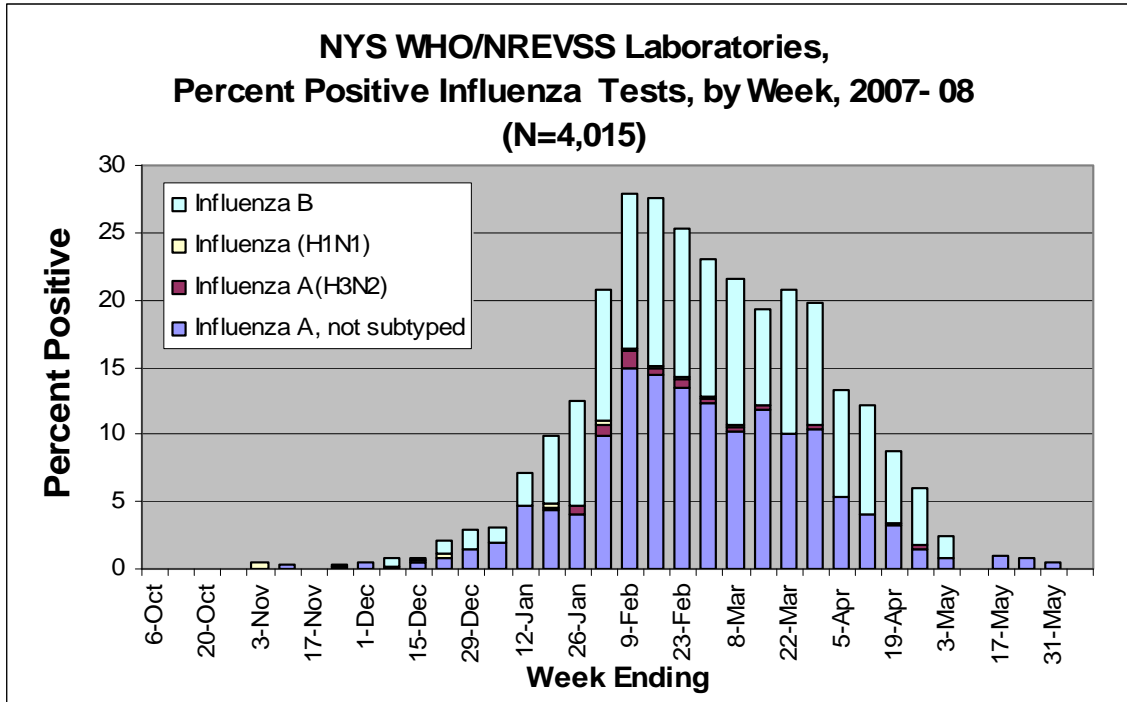
*\*Percentages of ILI above the baseline correlate with epidemic influenza activity. Regional baseline of 3.1% has been calculated by CDC for the Mid-Atlantic Region, which includes New York State, New York City, New Jersey, and Pennsylvania.*

Forty (32%) of 125 New York State and New York City sentinel providers for influenza surveillance submitted 121 respiratory specimens to the NYSDOH Wadsworth Center for testing. Of these 121 specimens, 118 were testable. Eighty-five (72%) of these tested positive for a respiratory virus. Eighty specimens (68%) tested positive for influenza: 63 (79%) were influenza type A and 17 (21%) were influenza type B. Of the 63 influenza type A positives, 15 (24%) were A(H1N1), 44 (70%) were A(H3N2), and 4 (6%) were A, not subtyped. Five specimens were positive for respiratory viruses other than influenza, as noted in the chart below.



Additional information regarding the New York State Sentinel Provider Influenza Surveillance Program is available at: <http://www.health.state.ny.us/diseases/communicable/influenza/recruit.htm>

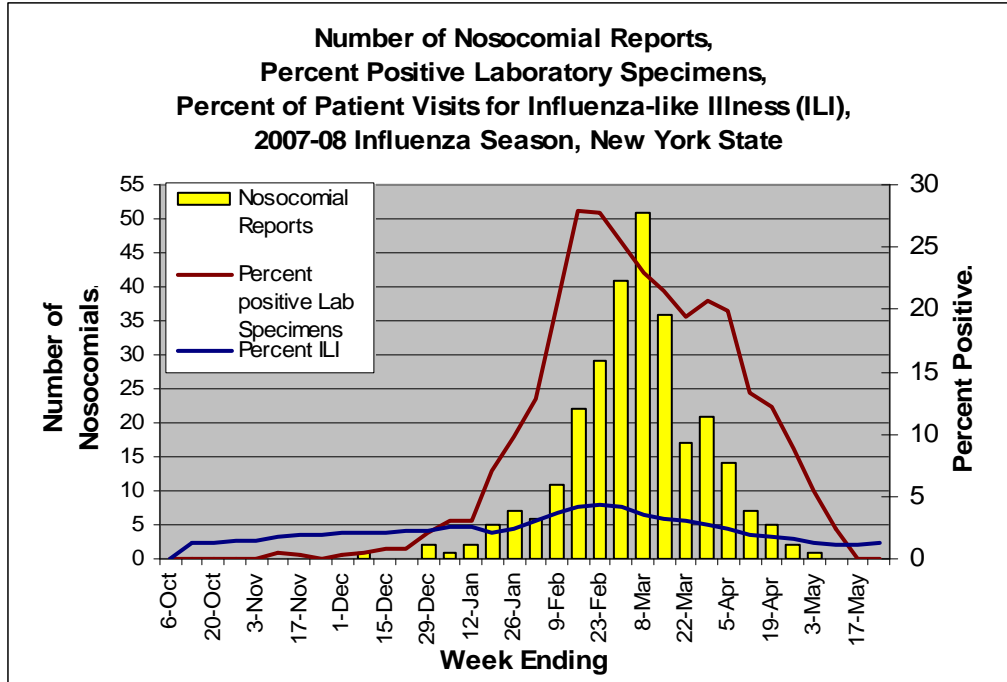
4. WHO<sup>5</sup>/NREVSS<sup>6</sup> LABORATORY REPORTING:



<sup>5</sup> World Health Organization collaborating laboratory for influenza virus surveillance

<sup>6</sup> National Respiratory and Enteric Virus Surveillance System collaborating laboratory

**5. COMPARISON CHART – THREE SOURCES OF INFLUENZA SURVEILLANCE:**



**Influenza Vaccine Components**

2007-08	2008-09
A(H3N2) /Wisconsin/67/2005-like (A/Hiroshima/52/2005)*	A(H3N2)/Brisbane/10/2007-like
A(H1N1) /Solomon Islands/3/2006-like	A(H1N1)/Brisbane/59/2007-like
B/Malaysia/2506/2004-like (B/Ohio/1/2005)*	B/Florida/04/2006-like

\*Antigenically-equivalent virus components used by U.S. vaccine manufacturers



**APPENDIX**

**INFLUENZA TESTING RESULTS,  
NEW YORK STATE W.H.O. AND NREVSS LABORATORIES,  
INFLUENZA SEASON 2007-08  
( # positive for influenza / # specimens tested )**

Week Ending	Albany	Buffalo Lab A	Buffalo Lab B	Rochester Lab A	Rochester Lab B	Westchester	Bronx	Brooklyn Lab A	Brooklyn Lab B	Manhattan Lab A	Manhattan Lab B	L. I. Lab A	L. I. Lab B	Total	Percent Positive
Oct 6 2007	0/14	0/44	0/12	0/36	0/0	0/10	0/13	0/7	0/4	0/74	0/44	0/18	0/98	0/374	0
Oct 13	0/3	0/35	0/15	0/34	0/0	0/15	0/12	0/3	0/9	0/89	0/40		0/93	0/348	0
Oct 20	0/0	0/32	0/10	0/23	0/0	0/30	0/15	0/5	0/13	0/90	0/33	0/15	0/79	0/345	0
Oct 27	0/5	0/44	0/3	0/28	0/0	0/16	0/10	0/6	0/16	0/113	0/26	0/19	0/109	0/395	0
Nov 3	0/18	0/44	0/8	0/33	0/0	0/14	0/11	0/6	0/11	0/112	0/47	0/23	2/145	2/472	0.42
Nov 10	0/8	0/65	0/7	0/42	0/14	0/22	0/6	0/11	1/18	0/119	0/41	0/23	1/165	2/541	0.37
Nov 17	0/6	0/60	0/7	0/27	0/17	0/25	0/7	0/13	0/25	0/125	0/53	0/18	0/181	0/564	0
Nov 24	2/7	0/35	0/12	0/44	0/12	0/37	0/4	0/13	0/18	0/128	0/48	0/18	0/168	2/544	0.37
Dec 1	0/4	0/50	0/6	0/71	0/20	1/38	0/12	0/16	0/17	0/159	1/60	0/17	1/209	3/679	0.44
Dec 8	3/8	0/64	0/14	2/86	0/13	0/30	0/10	0/15	0/15	0/141	0/49	0/25	1/214	6/684	0.88
Dec 15	1/12	0/101	0/19	1/95	0/19	0/24	0/9		0/25	1/135	0/60	0/27	4/274	7/800	0.88
Dec 22	4/7	2/80	0/15	3/87	1/37	0/42	0/11	0/15	0/30	2/151	2/64	0/29	3/258	17/826	2.06
Dec 29	3/5	1/69	0/12	5/104	1/36	2/32	0/9	0/19	0/25	4/153	0/85	0/28	12/344	28/921	3.04
Jan 5, 2008	2/6	1/81	0/12	5/101	0/27	0/49	0/8	0/13	0/16	3/144	4/82	0/25	11/298	26/862	3.02
Jan 12	2/10	0/74	0/22	14/158	4/43	4/34	1/19	1/18	1/10	10/156	2/63	0/21	30/345	69/973	7.09
Jan 19	10/17	1/60	0/13	25/134	4/34	4/44	1/27	1/17	0/6	3/108	4/73	0/28	31/293	84/854	9.84
Jan 26	17/22	3/61	3/9	50/198	13/38	5/43	4/23	1/8	1/11	14/133	12/65	0/30	0/322	123/963	12.77
Feb 2	22/33	1/55	0/20	66/240	17/44	12/58	4/41	1/13	0/8	15/172	17/77	1/25	105/470	260/1256	20.70
Feb 9	32/46	9/89	3/23	117/312	18/51	9/59	8/45	1/6	0/13	23/194	16/92	0/22	188/567	424/1519	27.91
Feb 16	11/23	8/75	10/20	162/401	16/38	11/84	15/68	3/11	6/19	22/220	22/130	3/32	196/627	485/1748	27.75
Feb 23	21/30	18/100	1/23	171/476	18/41	21/68	7/56	1/15	3/8	28/256	23/111	1/32	163/689	482/1905	25.30
Mar 1	29/41	19/117	7/49	146/483	10/36	29/152	10/68	2/18	5/23	24/225	18/105	1/32	160/655	460/2004	22.95
Mar 8	23/35	31/130	9/59	106/371	12/29	27/95	9/78	1/11	0/10	23/251	34/101	2/29	118/635	395/1834	21.54
Mar 15	6/13	16/118	10/72	98/373	8/36	26/102	9/53		0/6	12/153	21/105	4/32	89/481	299/1544	19.37
Mar 22	3/8	15/91	8/43	103/323	3/28	12/74	2/47	1/10	3/10	15/170	16/97	5/15	98/452	284/1368	20.76
Mar 29	4/13	7/71	17/46	79/265	6/23	11/52	1/22	0/6	0/9	8/132	10/84	5/30	89/441	237/1194	19.85
Apr 5	1/3	5/79	3/16	49/252	3/22	12/45	2/11	0/3	0/7	3/131	5/46	0/19	50/364	133/998	13.33
Apr 12	1/8	4/43	4/19	21/143	1/23	9/48	0/11	0/5	0/7	5/108	8/56	6/18	33/263	92/752	12.23
Apr 19	3/4	2/42	0/16	5/103	3/11	1/31	0/7	0/6	0/13	4/91	4/49	1/15	31/227	54/617	8.75
Apr 26	1/5	0/46	1/18	4/76	0/12	1/17	0/4	0/5	0/7	2/77	2/29	0/17	15/168	26/481	5.41
May 3	0/5	1/45	0/8	0/42	0/13	2/37	0/8	0/6	0/8	2/70	2/29	0/16	4/161	11/448	2.46
May 10	0/4	0/31	0/10	0/45	0/2	0/8	0/5	0/2	0/6	0/65	0/25	0/11	2/125	2/341	0.59
May 17	0/2	0/31	0/8	0/39	0/9	1/18	0/7		0/4	0/84	0/34	0/14	1/91	2/341	0.59