Nevada State Health Division

Influenza Surveillance Report

May 2-3, 2009

Pandemic Influenza

Epidemiology

****On April 30, 2009, the CDC replaced the term "Swine Flu" with "H1N1 Flu"****

Nevada:

One (1) case of swine flu (now known as HIN1 flu)** was **confirmed** in Washoe County on April 29, 2009. The 2-year old patient was not hospitalized and is doing well. This is Nevada's first case of H1N1 flu.
As of 8:00am PT, May 3, 2009, there are no additional confirmed cases.

As of May 3, 2009, there are eight (8) **probable** H1N1 flu cases in Nevada. A **probable** case is one that has a positive influenza A test result and was found to be unsubtypable by the State Laboratory and sent to the CDC for confirmation.

Nevada Cases of H1N1 Flu Infection		
County	**Confirmed**	**Probable**
Clark		4
Washoe	1	3
Other 15 counties		1
Total	1	8

Laboratory

The Nevada Public Health Laboratory began a 24/7 schedule on Sunday, April 26, 2009.

As of 2:00pm, May 2, 2009, the lab had 134 samples for 5/1/09 and 5/2/09. There are two (2) new influenza A unsubtypable samples from May 2, 2009 that were sent to the CDC for confirmation.

Nevada State Laboratory Samples		
Date	**Number of Samples**	**Number of Unsubtypable**
May 1-2, 2009	134	2

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U.S.

According to the CDC, as of 11:00am ET (8:00am PT), May 3, 2009, **226 cases** of H1N1, including one (1) death in Texas, have been confirmed in the **30 states**, as noted below.

Alabama (1)	Arizona (18)	California (26)	Colorado (4)	Connecticut (2)
Delaware (10)	Florida (3)	Illinois (3)	Indiana (3)	Iowa (1)
Kansas (2)	Kentucky (1)*	Massachusetts (7)	Michigan (2)	Minnesota (1)
Missouri (1)	Nebraska (1)	**Nevada (1)**	New Hampshire (1)	New Jersey (7)
New Mexico (1)	New York (63)	Ohio (3)	Rhode Island (1)	S. Carolina (15)
Tennessee (1)	Texas (40)	Utah (1)	Virginia (3)	Wisconsin (3)

Source: CDC website at: http://www.cdc.gov/h1n1flu/

***Case is resident of Kentucky, but currently hospitalized in Georgia**

Worldwide

****On April 29, 2009, the World Health Organization (WHO) raised the pandemic alert level to level 5****

The reason for this increase in alert level is that more countries now have confirmed cases. This does not mean that the disease in infected persons is more severe. To date in the U.S., the pattern of H1N1 cases is showing that the H1N1 cases are similar to seasonal flu in severity.

According to WHO Influenza A (H1N1) update 12, as of 7:00am (PT) May 3, 2009, 18 countries officially reported 787 cases of influenza A/H1N1 infection.

Mexico – (506) with 19 reported deaths		United States – (226) with 1 reported death
Canada (85)	Spain – (40)	United Kingdom – (15)
Germany – (8)	New Zealand – (4)	Israel – (3)
France – (2)	Austria – (1)	Costa Rica – (1)
Denmark – (1)	Hong Kong – (1)	Ireland – (1)
Italy – (1)	Korea – (1)	Netherlands – (1)
Switzerland – (1)		

Source: Who website at: http://www.who.int/csr/don/2009_05_03/en/index.html

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Seasonal Influenza

As of April 30, 2009, some Nevada influenza sentinel sites have begun providing daily influenza like illness (ILI) reporting. Although currently the CDC reporting system is designed to report ILI data weekly, they are updating the system for daily reporting. Sites were given instructions as a workaround until the system is updated.

Nevada

Nevada has 5 reporting regions. Currently (MMWR week 15) we are at "local influenza activity", with the Carson City/Lyon County/Douglas County region reporting elevated influenza activity.
There are 5 levels of influenza activity as defined by the CDC.

- **No Activity:** No laboratory-confirmed cases of influenza and no reported increase in the number of cases of ILI.
- **Sporadic:** Small numbers of laboratory-confirmed influenza cases or a single laboratory-confirmed influenza outbreak has been reported, but there is no increase in cases of ILI.
- **Local:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in a single region of the state.
- **Regional:** Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the regions of the state with recent laboratory evidence of influenza in those regions.
- **Widespread:** Outbreaks of influenza or increases in ILI cases and recent laboratory-confirmed influenza in at least half the regions of the state with recent laboratory evidence of influenza in the state.

Source: CDC website at: http://www.cdc.gov/flu/weekly/fluactivity.htm

Below are *updated* statewide numbers of seasonal influenza cases in **Nevada** for 2009 as of May 1, 2009.

MMWR Week	Week of	Carson	Clark	Washoe	FaR Counties	Totals
17* up to 4/27/09	4/27/09	0	0	0	1	**1**
16	4/20/09	7	2	8	2	**9**
15	4/13/09	9	9	7	4	**29**
14	4/6/09	7	19	17	7	**50**
13	3/30/09	12	16	32	13	**73**
12	3/23/09	6	8	31	17	**62**
11	3/16/09	5	5	35	17	**62**
10	3/9/09	8	19	44	12	**83**
9	3/2/09	4	7	34	18	**63**
8	2/23/09	16	15	39	13	**83**
7	2/16/09	13	20	43	14	**90**
6	2/9/09	18	6	40	17	**81**
5	2/2/09	18	13	24	13	**68**
4	1/26/09	8	10	12	11	**41**
3	1/19/09	6	1	11	8	**26**
2	1/12/09	5	2	8	1	**16**
1	1/5/09	1	1	4	2	**8**
Totals		**143**	**153**	**389**	**170**	**855**

The number of cases statewide from October 1, 2008 – December 31, 2008 is 42, bringing the total number of cases so far for the 2008-2009 influenza season to 897. Breakdowns for individual FaR counties, as well as for the weeks from Oct-Dec, 2008 are available if needed.

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U.S.
According to ILINet (CDC's influenza syndromic surveillance system), nationwide:

- 0 states reported **widespread** activity
- 9 states reported **regional** activity
- 17 states reported **local** activity
- 22 states reported **sporadic** activity
- 2 states reported **no activity**

According to ILINet, Nevada's ILI rate was 2.3% during week 15. In the "Mountain Region" of the U.S., which includes Nevada, the ILI rate was 1.4 %, which is below the regional baseline of 1.5%. The national ILI rate was 1.3%, which is below the national baseline of 2.4%