



# Nevada State Health Division

## Influenza Surveillance Report

May 1, 2009

### Pandemic Influenza

#### Epidemiology

**Nevada:** One case of swine flu (now known as H1N1 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. As of 11:30 am PDT, May 1, 2009, there are no additional confirmed cases

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

**U.S.:** According to the CDC, as of 11:00am ET (1:00pm PT), 05/01/09, **141 cases** of H1N1 flu have been confirmed in the U.S. as noted in the table below.

U.S. Human Cases of H1N1 Flu Infection  
(As of May 1, 2009, 11:00 AM ET)

States	# of laboratory confirmed cases	Deaths
Arizona	4	
California	13	
Colorado	2	
Delaware	4	
Illinois	3	
Indiana	3	
Kansas	2	
Kentucky	1	
Massachusetts	2	
Michigan	2	
Minnesota	1	
Nebraska	1	
Nevada	1	
New Jersey	5	
New York	50	
Ohio	1	
South Carolina	16	
Texas	28	1
Virginia	2	
<b>TOTAL COUNTS</b>	<b>141 cases</b>	<b>1 death</b>

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



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**\*\*On April 29, 2009, the World Health Organization 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.**

**Worldwide:** According to the World Health Organization (WHO) Swine Influenza update 8, as of 4:30pm (PT) 5/1/09, 13 countries officially reported 367 cases of influenza A/H1N1 infection.

Mexico – (156) with 9 reported deaths	United States – (141) with 1 reported death	
Canada (34)	Spain – (13)	
United Kingdom – (8)	Germany – (4)	
New Zealand – (4)	Israel – (2)	
Austria – (1)	Denmark – (1)	
Hong Kong – (1)	Netherlands – (1)	Switzerland – (1)

Source: Who website at: [http://www.who.int/csr/don/2009\\_05\\_01a/en/index.html](http://www.who.int/csr/don/2009_05_01a/en/index.html)

### Laboratory

The Nevada Public Health Laboratory began a 24/7 schedule on Sunday, 4/26/09.

As of 4:00pm, 4/30/09, the lab had tested 95 samples. They had 6 influenza A(H3), 2 influenza A (H1 Human), 7 influenza B, and 1 that was unsubtypeable. We are awaiting CDC test results on 6 previously sent samples.



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#### Epidemiology

As of 4/30/09, some Nevada's 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 working on updating the system for daily reporting. Sites were given (via email) instructions as a workaround until the system/fax forms are 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. They are:

- **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>



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Below are updated statewide numbers of seasonal influenza cases in Nevada for 2009 as of 5/1/09.

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

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.

**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%