



Nevada State Health Division

Influenza Surveillance Report

April 29, 2009

Swine Influenza

Epidemiology

Nevada: One case of swine flu was confirmed in Washoe County. The 2-year old patient is not hospitalized and is recovering. This is Nevada's first case.

U.S.: According to the CDC, as of 11:00am EST, 4/29/09, there are 91* laboratory confirmed cases of swine flu in the U.S. The breakdown is as follows:

States	# of laboratory confirmed cases	Deaths
Arizona	1	
California	14	
Indiana	1	
Kansas	2	
Massachusetts	2	
Michigan	2	
Nevada	1	
New York	51	
Ohio	1	
Texas	16	1
TOTAL COUNTS	91 cases	1 death

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

*(per a CDC Epi conference call on 4/29 which occurred after 11:00am EST, the correct number for Michigan is 1, not 2. The CDC website is to be updated to reflect this correction)



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

Worldwide: According to the World Health Organization (WHO) Swine Influenza update 5, as of 4/29/09, there are 9 countries officially reporting cases of swine influenza A/H1N1 infection. The breakdown is as follows:

United States – (91)^{*} with 1 reported death

Mexico – (26) with 7 reported deaths

Canada (13)

United Kingdom – (5)

Spain – (4)

Germany – (3)

New Zealand – (3)

Israel – (2)

Austria – (1)

Source: Who website at: http://www.who.int/csr/don/2009_04_29/en/index.html

*(per a CDC Epi conference call on 4/29 which occurred after 11:00am EST, the correct number for Michigan is 1, not 2. The CDC website is to be updated to reflect this correction)

Laboratory

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

As of 4:00pm, 4/28/09, the lab had tested 26 specimens, had 9 more running. They had 3 specimens test positive for influenza B, 1 test positive for influenza A (H1 Human) and 1 that was untypeable.

The 1 untypeable specimen was collected on 4/26/09, sent to the CDC on 4/27/09 and confirmed as swine flu on 4/29/09.

The CDC has made PCR Test Kits for Swine Flu Confirmation available to laboratories. The lab ordered 1 kit on 4/28/09.



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Seasonal Influenza

Epidemiology

On 4/29/09, Nevada's influenza sentinel sites were asked that *effective immediately*, to switch from weekly to 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 the statewide numbers of seasonal influenza cases in Nevada for 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	6	2	0	1	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		142	153	381	169	845

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 887. 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%