



Nevada State Health Division

Weekly Influenza Report

Week Ending May 22, 2009

H1N1 Influenza (Previously Swine Flu)

Epidemiology

As of 9:00am PT, May 22, 2009, 51 cases of H1N1 flu have been **confirmed**, with no deaths, in Nevada. There is also one **probable** H1N1 flu case. The increase in numbers is due in part to increased surveillance and more testing. A higher case count will result. However, the illness in the H1N1 cases is similar in severity to seasonal flu at this time. This season the non H1N1 flu illness has been relatively mild.

Nevada Cases of H1N1 Flu Infection		
County	Confirmed	Probable
Carson City	3	0
Clark	26	0
Washoe	21	0
Other 14 counties	1	1
Total	51	1

Laboratory

The Nevada Public Health Laboratory returned to a regular work schedule on May 7, 2009.

As of 2:00pm PT, May 21, 2009, the lab has tested a total of 803 samples since April 26, 2009. Cumulative total results are noted below.

17 influenza A (H1)

62 influenza A (H3)

73 influenza B

47 cases of H1N1 flu confirmed (as of May 20) at the Nevada State Public Health Laboratory. Therefore, 47 of 803 tests (5.9%) for influenza were the new H1N1 flu strain and 152 or 19% were other flu strains. The rest were negative for influenza. From last report (May 15) to this report (May 22), there is an increase in the percentage of H1N1 flu cases (3.4% to 5.9%) and a slight decrease in the percentage of other flu strains (20% to 19%).

As of May 6, 2009, test confirmations are being done at the State Laboratory. Therefore confirmations will occur sooner because the transport delay to CDC will be avoided.



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Seasonal Influenza

Nevada

Nevada has 5 reporting regions. For MMWR week 18, we are at “**regional**” 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 numbers of seasonal influenza cases* in **Nevada** for 2009 as of May 21, 2009.

MMWR Week	Week Ending	Carson	Clark	Washoe	FaR Counties	Totals
20**	5/23/09	0	0	0	5	5
19**	5/16/09	6	40	15	21	82
18**	5/09/09	6	38	39	14	97
17	5/02/09	5	11	37	37	90
16	4/25/09	7	2	8	2	19
15	4/18/09	9	9	7	4	29
14	4/11/09	7	19	17	7	50
13	4/04/09	12	16	32	17	77
12	3/28/09	6	8	31	20	65
11	3/21/09	5	5	35	19	64
10	3/14/09	8	19	44	13	84
9	3/07/09	4	7	34	18	63
8	2/28/09	16	15	39	13	83
7	2/21/09	13	20	43	14	90
6	2/14/09	18	6	40	17	81
5	2/07/09	18	13	24	13	68
4	1/31/09	8	10	12	11	41
3	1/24/09	6	1	11	8	26
2	1/17/09	5	2	8	1	16
1	1/10/09	1	1	4	2	8
Totals		160	242	480	256	1,138

*These numbers are preliminary and subject to change

** Enhanced surveillance because of recognition of new H1N1 strain in the U.S.

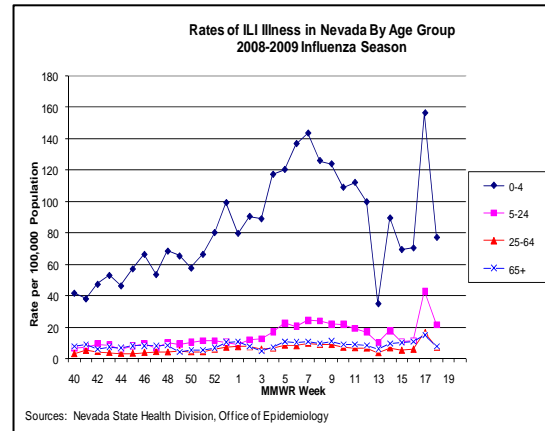
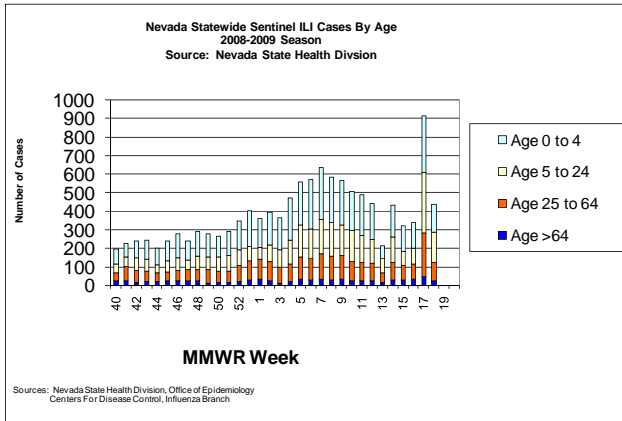
The number of cases statewide from October 1, 2008 – December 31, 2008 is 42, bringing the total number of cases so far for the 2008-2009 influenza season to 1,180.



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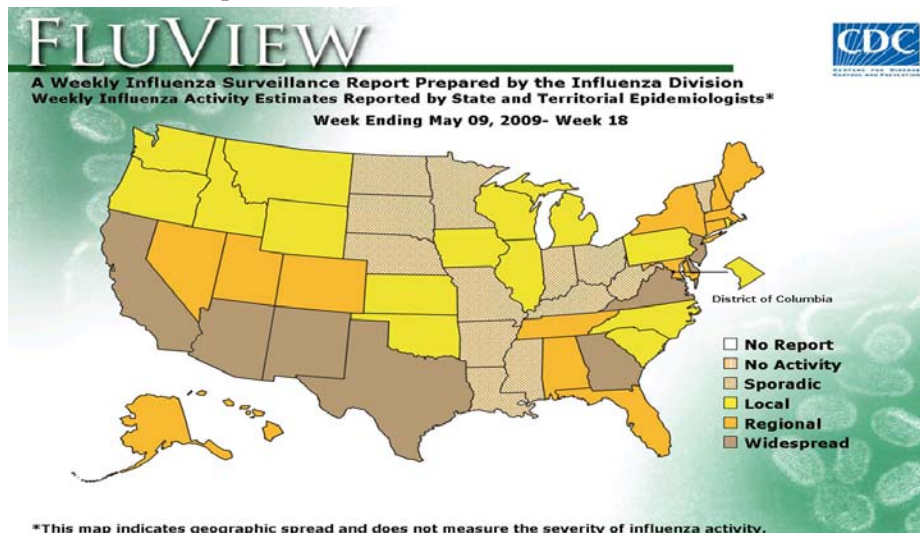
Week Ending May 22, 2009



U.S.

According to ILINet (CDC's influenza syndromic surveillance system), for MMWR week 18 nationwide:

- 8 states reported **widespread** activity
- 14 states reported **regional** activity
- 15 states reported **local** activity
- 13 states reported **sporadic** activity
- 0 states reported **no activity**



The influenza activity reported weekly by each state measures geographic spread of influenza and is not a measure of the severity of influenza activity.

According to ILINet, Nevada's ILI rate was 3.1% during week 18. Nationally, the ILI rate was 2.6%, which is above the national baseline of 2.4%. In Region IX, which includes Nevada, ILI was 3.5%, which is above the regional baseline of 2.7%. The ILI surveillance system measures illness due to **both** seasonal and H1N1 flu.



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Antiviral Medications

Nevada has antiviral medications available from a state stockpile and from the Strategic National Stockpile (SNS). As of May 21, 2009, antiviral use from these stockpiles is noted below.

Tamiflu 75 mg = 5
Tamiflu 45 mg = 0
Tamiflu 30 mg = 1
Tamiflu Oral Suspension = 4
Relenza 5 mg = 1

Total = 11

Response Activities

- The state laboratories in the north and south continue to test samples for the H1N1 flu virus
- Surveillance of regular flu and the H1N1 flu virus continues throughout Nevada. To date a majority of the tests indicate positive test results for seasonal/regular flu
- The Nevada State Health Division continues to update the website
- The hotline number continues to be activated
- Public notifications continue to be published as the situation warrants
- Continue to access the websites below for up-to-date information:
 - Nevada State Health Division: <http://health.nv.gov>
 - Centers for Disease Control and Prevention: <http://www.cdc.gov/h1n1flu>