



Nevada State Health Division

Public Health Preparedness

December 4, 2009

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Introduction

The purpose of this report is to provide pertinent public health information to public health, healthcare providers, and other community stakeholders, as well as to the general public. This report will be published weekly.

Influenza Activity

Influenza Statistics

According to the CDC, for MMWR week 46 (November 15-21, 2009), U.S. influenza activity continued to decrease. The CDC reports:

- Over 99% of all subtyped influenza A viruses being reported to the CDC were 2009 influenza A (H1N1) viruses.
- Patient visits to doctors for influenza-like illness (ILI) decreased sharply this week over last week. This is the fourth consecutive week of national decreases after four consecutive weeks of sharp increases.
- ILI rate nationwide was 4.3%. As of December 3, 2009, the ILI rate for Nevada was 2.14%. The national baseline is 2.3%.
- Total influenza hospitalization rates that are *laboratory-confirmed* as influenza remain higher than expected for this time of year. Hospitalization rates continue to be highest in younger populations with the highest hospitalization rate reported in children 0-4 years old.
- The proportion of deaths associated with pneumonia and influenza remains higher than what is expected at this time of year. A total of 234 laboratory confirmed 2009 H1N1 pediatric deaths have been reported to the CDC since April 2009.
- Thirty two (32) states are reporting **widespread** influenza activity. The number of states reporting widespread activity has been declining for the last five weeks. Last week there were 43 states reporting widespread influenza activity, down from 46 states the week prior to that.

Nevada has 5 reporting regions. For MMWR week 46, we are at "**widespread**" activity, which is defined as 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 those regions.

Additional information on influenza activity and surveillance can be found at <http://www.cdc.gov/flu/weekly/fluactivity.htm>

Nevada State Public Health Laboratory Counts

According to the Nevada State Public Health Laboratory (NSHPL), as of 2:30pm PT, December 2, 2009, Nevada had 2,437 **confirmed** cases of H1N1 flu and 62 **probable** cases. All of the probable cases, with one exception, are due to samples with viral loads too low for subtyping. ****Does not include private laboratory testing****

Nevada State Public Health Laboratory Confirmed Cases of H1N1 Flu Infection			
County	Confirmed	Probable	Deaths
Carson City	351	20	0
Churchill	104	1	0
Clark	318	6	30
Douglas	169	4	0
Elko	248	3	0
Esmeralda	0	0	0
Eureka	1	0	0
Humboldt	30	0	0
Lander	11	0	0
Lincoln	0	0	0
Lyon	77	1	1
Mineral	12	0	0
Nye	38	0	0
Pershing	8	0	0
Storey	1	0	0
Washoe	1,055	27	3
White Pine	14	0	0
Total	2,437	62	34

The NSPHL has tested a total of 6,215 samples since April 26, 2009. Cumulative total results, detailed for the last 14 weeks, are noted below. No samples identified as H1, H3 or B have been received since May 2009, thus cumulative totals remain unchanged.

****Does not include private laboratory testing****

	Total Tested	H1N1	% H1N1	H1	H3	B	Total Other	% Other	Total Negative	% Negative
December 2, 2009	6,215	2,437	39.2%	20	73	78	171	2.8%	3,607	58.0%
November 25, 2009	6,082	2,409	39.6%	20	73	78	171	2.8%	3,502	57.6%
November 11, 2009	5,994	2,398	40.0%	20	73	78	171	2.9%	3,425	57.1%
November 4, 2009	5,891	2,380	40.4%	20	73	78	171	2.9%	3,340	56.7%
October 28, 2009	5,795	2,323	40.1%	20	73	78	171	2.9%	3,301	57.0%
October 14, 2009	4,714	1,871	39.7%	20	73	78	171	3.6%	2,672	56.7%
October 7, 2009	4,467	1,677	37.6%	20	73	78	171	3.8%	2,619	58.6%
September 30, 2009	4,119	1,526	37.1%	20	73	78	171	4.1%	2,422	58.8%
September 17, 2009	3,476	1,179	33.9%	20	73	78	171	4.9%	2,126	61.2%
September 3, 2009	3,034	917	30.2%	20	73	78	171	5.7%	1,946	64.1%
August 20, 2009	2,618	794	30.4%	20	73	78	171	6.5%	1,673	63.1%
August 13, 2009	2,459	713	29.0%	20	73	78	171	7.0%	1,575	64.0%
August 6, 2009	2,320	663	28.6%	20	73	78	171	7.4%	1,486	64.0%
July 23, 2009	1,876	468	24.9%	20	73	78	171	9.1%	1,237	66.0%

** update not available for October 21, 2009 & July 30, 2009

H1N1 Vaccination Activities

Target Groups

On July 29, 2009, the Advisory Committee on Immunization Practices (ACIP)-an advisory committee to the Centers for Disease Control and Prevention (CDC)-recommended that H1N1 flu vaccine be made available first to the following five groups:

- Pregnant women.
- Healthcare workers and emergency medical services workers.
- People 6 months through 24 years of age.
- People who care for infants under 6 months of age.
- People 25 through 64 years of age with chronic medical conditions.

Vaccine Distribution

- In total, as of November 27, 2009, Nevada has been allocated 521,100 doses of vaccine from the CDC. Of that, 477,400 doses have been ordered, received and distributed to public health entities, community health nurses, and Federally Qualified Health Centers (in rural areas without a public health presence). The total allocation received during the week ending November 27, 2009 was 80,600 doses.
 - FluMist (intranasal) – 115,600
 - Injectable (shots) – 361,800

Vaccine Dosing Guidelines

- For healthy adults and children over the age of 10 years, one (1) dose of the H1N1 vaccine is recommended.
- For children under the age of 10 years, two (2) doses are recommended for full protection against the H1N1 virus.
- The inhaled vaccine (FluMist) is approved for healthy individuals between the ages of 2-49 years.
- The inhaled vaccine is not approved for pregnant women, or children/adults who have underlying medical conditions, such as diabetes or asthma.

Healthcare Providers

- Provider enrollment is taking place for H1N1 vaccine. As of December 3, 2009, 754 providers have submitted enrollment forms, with 741 enrollments completed.
- The IZ Program will not ship vaccine to any provider who has not enrolled. Provider enrollment deadlines are now on Fridays, by 5pm, in order to receive initial vaccine allotments the following week.
- The IZ Program is conducting weekly provider teleconferences, with an average of over 100 participants. This is an information sharing call, ending with questions and answers. Notes from these calls are posted every week on the www.flu.nv.gov website for those providers who are unable to attend.
- Provider webinars began on October 13, 2009. Topics include proper vaccine storage and handling, as well as reporting and ordering requirements. Numerous sessions have been scheduled and the schedule can be found at www.flu.nv.gov, under the Healthcare Provider tab and scroll down to Webinars. Webinar registration information is also provided.
- Also under the Webinar section is a *How To Administer Vaccine* self-study course for healthcare providers.

Tracking of Doses Administered

As NSHD receives shipments of the H1N1 vaccine and distributes it across Nevada, public, private and tribal providers will be required to report the doses that they administer on a weekly basis. The NSHD's IZ Program has begun collecting this data and reporting it as required to the CDC. As of November 28, 2009, a total of **169,095** doses of H1N1 vaccine have been administered throughout the state, by both private and public providers. Totals from previous weeks have been updated to include late submitted data.

Total H1N1 Doses Administered in Nevada, October 4 - November 28, 2009									
	Oct 4-10	Oct 11-17	Oct 18-24	Oct 25-31	Nov 1-7	Nov 8-14	Nov 15-21	Nov 22-28	Total
Carson	178	472	1,941	3,925	2,621	2,862	5,464	1,068	18,531
Churchill	0	150	101	67	375	389	248	116	1,446
Clark	344	5,873	18,508	13,859	19,390	20,144	21,459	9,983	109,560
Douglas	2	198	310	265	455	170	211	76	1,687
Elko	55	197	285	432	645	875	511	165	3,165
Esmeralda	0	0	0	0	0	0	0	0	0
Eureka	0	0	0	2	1	1	18	7	29
Humboldt	0	23	14	37	438	90	121	47	770
Lander	0	0	0	50	211	68	9	41	379
Lincoln	0	0	28	0	171	30	39	58	326
Lyon	0	18	19	13	208	43	238	38	577
Mineral	0	13	17	194	68	150	179	126	747
Nye	36	302	242	344	120	162	753	229	2,188
Pershing	0	0	0	5	1	26	5	8	45
Storey	0	0	4	0	2	6	12	15	39
Washoe	128	744	2,330	5,841	6,039	5,361	6,261	2,134	28,838
White Pine	1	132	118	160	114	80	122	41	768
Total	744	8,122	23,917	25,194	30,859	30,457	35,650	14,152	169,095

H1N1 Planning and Response Activities

Planning and response activities have been ongoing to ensure Nevada is ready to act during the 2009-2010 influenza season. These ongoing activities include:

- H1N1 vaccine (nasal spray and shots) are now being offered by local health departments. Vaccines are offered at no cost, on a first-come, first-served basis. Some upcoming clinics are listed below. Check the **H1N1 Flu Vaccine Locator** at: <http://health.nv.gov/> or contact the appropriate local health department for clinic specific information.
 - **Saturday, December 12, 2009 from 9am – 2pm**
 - Ravenholt Public Health Center
625 Shadow Lane
Las Vegas
 - **Friday, December 11, 2009 from 9am – 6pm**
 - Ravenholt Public Health Center
625 Shadow Lane
Las Vegas
 - **Monday - Thursday, December 7-10, 2009 from 1pm – 6pm**
 - Ravenholt Public Health Center
625 Shadow Lane
Las Vegas
 - **Wednesday - Thursday, December 9-10, 2009 from 9am – 2pm**
 - College of So. NV – Cheyenne Campus
3200 E. Cheyenne Avenue - Gymnasium
Las Vegas
 - **Thursday, December 10, 2009 from 8am – noon & 1pm – 4pm**
 - Mesquite Public Health Center
830 Hafen Lane
Mesquite
 - **Wednesday, December 9, 2009 from 10am – 2pm**
 - Laughlin Clinic, Clark County Fire Station #85
3770 S. James A. Bilbray Parkway
Laughlin
 - **Tuesday, December 8, 2009 from 8am – noon & 1pm – 4pm**
 - Mesquite Public Health Center
830 Hafen Lane
Mesquite
 - **Tuesday, December 8, 2009 from 11am – 5pm**
 - Washoe County Health District – Admin Complex, Building B, 1st floor
1001 E. Ninth Street
Reno (corner of Wells Ave & 9th St., south of Livestock Event Center)
 - **Saturday, December 5, 2009 from 9am – 2pm**
 - Desert Pines High School – Academy of Info & Technology
3800 E. Harris Avenue
Las Vegas
 - Western High School
4601 W. Bonanza Avenue
Las Vegas
 - **Saturday, December 5, 2009 from 10am – 2pm**
 - State Route 160 and Oxbow (across from Wells Fargo Bank)
Pahrump

- Tuesday, December 8, 2009 from 9am – 3pm
 - Washoe County Health District – Admin Complex, Building B, 1st floor
1001 E. Ninth Street
Reno (corner of Wells Ave & 9th St., south of Livestock Event Center)
- Calls from the public continue to come in to the toll-free bilingual hotline (866-767-5038), seeking information on H1N1. A total of **18,761** calls have been received since the official beginning of influenza season (October 4, 2009).

Week	Number of Calls Received
November 22-November 28, 2009	718
November 15-November 21, 2009	2,195
November 8-November 14, 2009	2,819
November 1-November 7, 2009	3,231
October 25-October 31, 2009	2,272
October 18-October 24, 2009	4,848
October 11-October 17, 2009	2,276
October 4-October 10, 2009	402

- NSHD activated its Division Operations Center (DOC) to manage all H1N1 planning and response efforts. The DOC follows the Incident Command System (ICS) structure. Weekly meetings are conducted to discuss Health Division H1N1 activities and updates.

H1N1 Tribal Community Activities

The NSHD's PHP Tribal Liaison is working with the various tribal communities to ensure that they are prepared for the 2009-2010 influenza season.

- Tribal clinics are administering the H1N1 vaccine in their communities.

H1N1 Public Information Activities

The NSHD's Public Information Officer (PIO) is working with PIOs at the state and local levels to keep the public informed during the 2009-2010 influenza season and to provide consistent information across the state. Public information activities include:

- Conducted a conference call with frontier and rural "PIOs" (those in the rural counties that have been assigned PIO duties for their county) on November 17, 2009. The next call is scheduled for the week of December 7th.
- Continual updating of the toll-free bilingual hotline (866-767-5038) with general information on H1N1 influenza and H1N1 vaccination clinics being conducted statewide by local health departments.
- Continuing conducting bimonthly PIO meetings, with NSHD PIO serving as the lead.
- Nevada Broadcasting Association flu prevention radio spots in English and Spanish are now airing on the radio statewide.
- Continuing to update the www.flu.nv.gov website.

H1N1 Disease and Surveillance Activities

Influenza surveillance is being conducted in conjunction with H1N1 vaccination activities. In preparation for the upcoming 2009-2010 influenza (regular and H1N1) season, the following disease and surveillance activities are underway:

- Continue weekly tracking of seasonal and H1N1 influenza confirmed cases, hospitalizations, and deaths in Nevada.
- Continue regular monitoring of over-the counter (OTC) healthcare products usage in Nevada and nationwide using the National Retail Data Monitor (NRDM) system. NRDM monitors the sales of these OTCs to help identify disease outbreaks as early as possible.
- Continue daily monitoring of EpiCenter activity. EpiCenter collects and analyzes real-time data from emergency departments of participating Nevada hospitals and urgent care facilities. This provides a picture to public health of disease activity occurring in Nevada and also serves as another tool in the early detection of disease outbreaks.