



Nevada State Health Division

Public Health Preparedness

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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. **This will be the last report issued. Additional reports will be issued as the situation warrants.**

Influenza Activity

Influenza Statistics

According to the CDC, for MMWR week 51 (December 20-26, 2009), U.S. influenza activity continued to decrease. The CDC reports:

- 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) increased slightly this week over last week. This is the first increase after eight consecutive weeks of national decreases.
- ILI rate nationwide was 3.2%. As of January 7, 2010, Nevada's ILI rate was 1.5%. The national baseline is 2.3%.
- Overall hospitalization rates for this season were unchanged from the previous week in all age groups.
- The proportion of deaths associated with pneumonia and influenza increased over the previous week and is now above the epidemic threshold. A total of 243 laboratory confirmed 2009 H1N1 pediatric deaths have been reported to the CDC since April 2009.
- Four (4) states are reporting **widespread** influenza activity.

Nevada has 5 reporting regions. For MMWR week 51, we are at "regional" activity, which is defined as 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.

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 10:30am PT, January 6, 2010, Nevada had 2,451 **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	36
Douglas	169	4	0
Elko	248	3	0
Esmeralda	0	0	0
Eureka	1	0	0
Humboldt	34	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	1,065	27	3
White Pine	14	0	0
Total	2,451	62	40

The NSPHL has tested a total of 6,391 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
January 6, 2010	6,391	2,451	38.4%	20	73	78	171	2.7%	3,768	58.9%
December 9, 2009	6,261	2,442	39.0%	20	73	78	171	2.7%	3,648	58.3%
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%

** 2009 updates not available for December 30, December 23, December 16 and October 21.

H1N1 Vaccination Activities

Since December 18, 2009, the H1N1 vaccine has been available to the general public and no longer to just the CDC target groups.

Vaccine Distribution

- In total, as of January 4, 2010, Nevada has been allocated 1,089,300 doses of vaccine from the CDC. Of that, 769,800 doses have been ordered, received and distributed to public health entities, community health nurses, private providers, pharmacies, and Federally Qualified Health Centers (in rural areas without a public health presence).

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 January 7, 2010, 819 providers have submitted enrollment forms, with 812 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.
- 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.

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 January 2, 2010, a total of **297,429** 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 - December 19, 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	Nov 29-Dec 5	Dec 6-12	Dec 13-19	Dec 20-26	Dec 26-Jan 2	Total
Carson	185	486	2,038	3,981	2,828	3,669	5,617	1,116	2,815	2,494	3,022	987	642	29,880
Churchill	0	150	101	67	435	401	278	116	208	152	243	78	73	2,302
Clark	352	5,979	18,669	14,833	20,719	21,088	23,615	10,733	18,743	19,882	21,090	13,426	9,847	198,976
Douglas	2	197	351	331	446	204	220	76	161	147	170	101	118	2,524
Elko	55	197	286	434	715	897	522	165	1,160	907	436	303	259	6,336
Esmeralda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eureka	0	0	0	2	1	1	18	7	2	2	8	1	5	47
Humboldt	0	23	14	37	438	103	121	47	520	272	701	26	25	2,327
Lander	0	0	0	50	212	68	9	41	52	249	35	0	0	716
Lincoln	0	0	28	0	185	36	42	58	259	126	81	123	19	957
Lyon	1	18	20	20	211	111	256	38	54	36	186	35	16	1,002
Mineral	0	13	17	194	68	150	179	126	5	152	214	9	13	1,140
Nye	36	299	241	352	133	232	829	238	482	183	122	93	770	4,010
Pershing	0	0	0	7	1	26	7	8	0	22	114	0	3	188
Storey	0	0	4	0	2	6	12	15	17	4	7	0	1	68
Washoe	128	771	2,372	5,937	6,178	5,574	6,984	2,146	3,897	3,022	4,809	2,094	1,697	45,609
White Pine	1	134	119	160	119	86	123	41	21	38	496	5	4	1,347
Total	760	8,267	24,260	26,405	32,691	32,652	38,832	14,971	28,396	27,688	31,734	17,281	13,492	297,429

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 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, January 9, 2010 from 11am – 2pm**
 - Gerlach Community Center
401 Cottonwood
Gerlach
 - **Saturday, January 9, 2010 from 9am – 2pm**
 - Carson Mall
1313 S. Carson Street
Carson City
- Calls from the public continue to come in to the toll-free bilingual hotline (866-767-5038), seeking information on H1N1. A total of **21,573** calls have been received since the official beginning of influenza season (October 4, 2009).

Week	Number of Calls Received
December 27, 2009 – January 2, 2010	307
December 20 – December 26, 2009	372
December 13-December 19, 2009	600
December 6-December 12, 2009	635
November 29 – December 5, 2009	898
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:

- Nevada Press Association H1N1 vaccine ad began running January 4, 2010. It will appear in 16-19 publications statewide throughout the month of January.
- Influenza prevention ad now appearing in the January issue of Washoe Parents Magazine.

- 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.
- Nevada Broadcasting Association flu prevention radio spots in English and Spanish are 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.