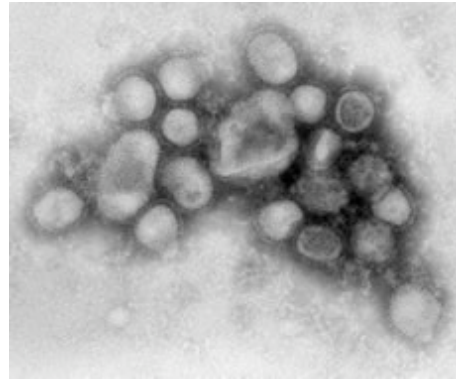


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Swine Flu (H1N1) 2009

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Director and State Health Officer
Wyoming Department of Health

Swine Flu (H1N1) International Data

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- **According to WHO, 73 countries have officially reported 25,288 cases of influenza A (H1N1) infection, including 139 deaths**
- **Mexico has reported 5,717 lab confirmed human cases of infection, including 106 deaths**
- **Canada has reported 2,115 lab confirmed human cases, including 3 deaths**



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Novel H1N1 Flu Situation Update

June 5, 2009, 11:00 AM ET

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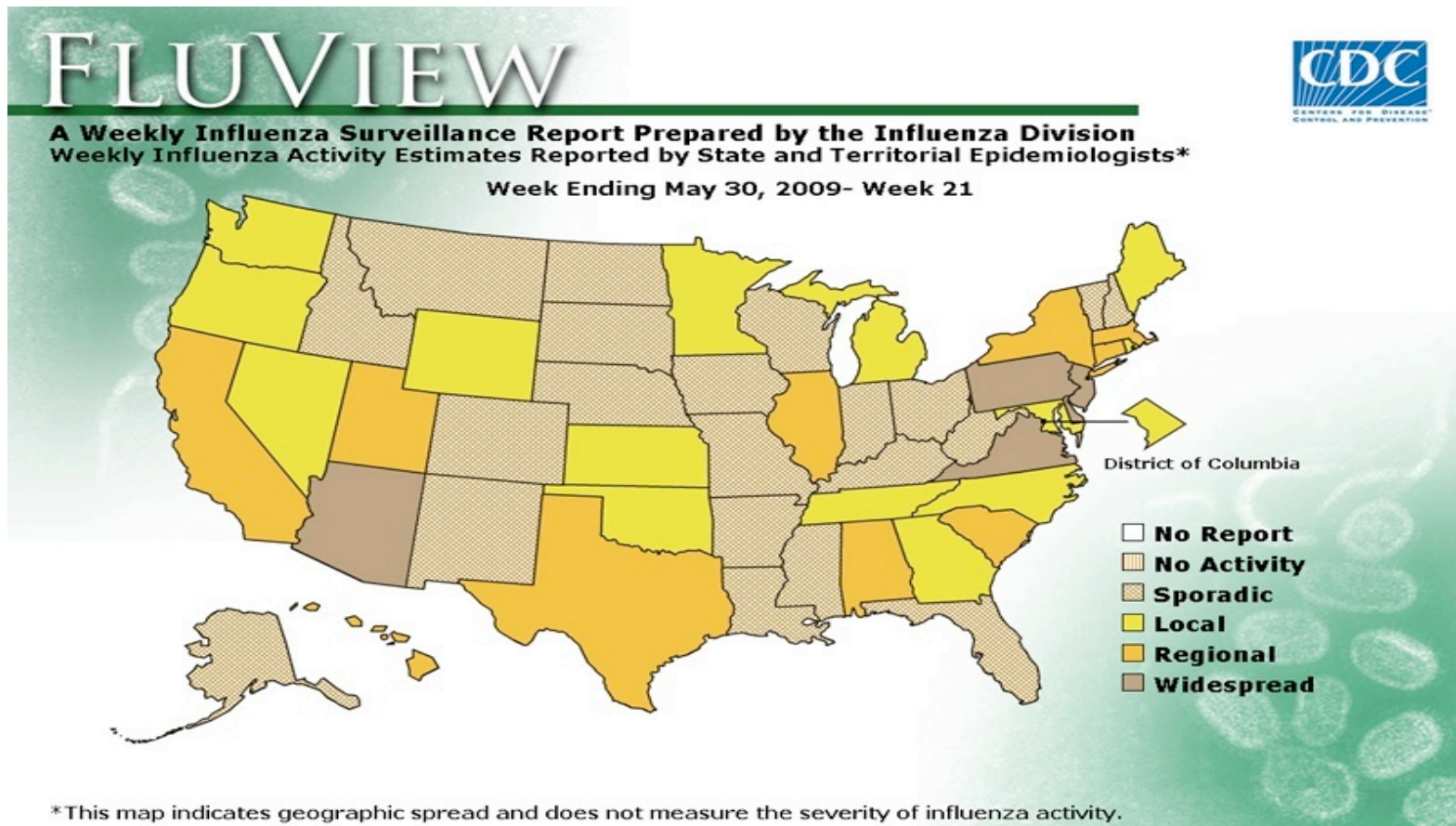




Table. U.S. Human Cases of H1N1 Flu Infection Web page updated June 5, 2009

Commit to your health.

States and Territories*	<u>Confirmed and Probable Cases</u>	Deaths
Alabama	94 cases	0 deaths
Alaska	3cases	0 deaths
Arkansas	9cases	0 deaths
Arizona	547 cases	4 deaths
California	973 cases	0 deaths
Colorado	75 cases	0 deaths
Connecticut	395 cases	1 death
Delaware	142 cases	0 deaths
Florida	247 cases	0 deaths
Georgia	33 cases	0 deaths



Table. U.S. Human Cases of H1N1 Flu Infection Web page updated June 5, 2009 (continued)

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States and Territories*	<u>Confirmed and Probable Cases</u>	Deaths
Hawaii	115 cases	0 deaths
Idaho	16 cases	0 deaths
Illinois	1357 cases	5
Indiana	173 cases	0 deaths
Iowa	92 cases	0 deaths
Kansas	92	0 deaths
Kentucky	96	0 deaths
Louisiana	134 cases	0 deaths
Maine	17	0 deaths
Maryland	89	0 deaths



Table. U.S. Human Cases of H1N1 Flu Infection

Web page updated June 5, 2009 (continued)

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States and Territories*	<u>Confirmed and Probable Cases</u>	Deaths
Massachusetts	787	0 deaths
Michigan	298 cases	1 death
Minnesota	82	0 deaths
Mississippi	40 cases	0 deaths
Missouri	46 cases	1 death
Montana	15 cases	0 deaths
Nebraska	60 cases	0 deaths
Nevada	128 cases	0 deaths
New Hampshire	64 cases	0 deaths
New Jersey	148 cases	0 deaths



Table. U.S. Human Cases of H1N1 Flu Infection Web page updated June 5, 2009 (continued)

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States and Territories*	<u>Confirmed and Probable Cases</u>	Deaths
New Mexico	108 cases	0 deaths
New York	858 cases	8 deaths
North Carolina	30 cases	0 deaths
North Dakota	23 cases	0 deaths
Ohio	35 cases	0 deaths
Oklahoma	93 cases	0 deaths
Oregon	167 cases	0 deaths
Pennsylvania	299 cases	0 deaths
Rhode Island	18 cases	0 deaths
South Carolina	60	0 deaths



Table. U.S. Human Cases of H1N1 Flu Infection Web page updated June 5, 2009 (continued)

Commit to your health.

States and Territories*	<u>Confirmed and Probable Cases</u>	Deaths
South Dakota	10 cases	0 deaths
Tennessee	104 cases	0 deaths
Texas	1670 cases	3 deaths
Utah	461 cases	2 deaths
Vermont	9 cases	0 deaths
Virginia	55 cases	1 death
Washington	577 cases	1 death
Washington, D.C.	24 cases	0 deaths
West Virginia	6 cases	0 deaths
Wisconsin	2217 cases	0 deaths



Table. U.S. Human Cases of H1N1 Flu Infection Web page updated June 5, 2009 (continued)

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States and Territories*	<u>Confirmed and Probable Cases</u>	Deaths
Wyoming	25 cases	0 deaths
TERRITORIES		
Puerto Rico	1 case	0 deaths
TOTAL*(52)	13,217 cases	27 deaths

Wyoming Status

- **The first case onset: May 24, 2009**
- **28 lab confirmed cases of Novel Influenza A H1N1 (swine flu) have been reported**
- **Since May 24, 2009: 40 cases of influenza have been reported; of those subtyped at the WDH Public Health Lab, 28 cases confirmed Novel Influenza A H1N1 swine flu, 8 cases of A positive (non-swine)**

Wyoming Status

- **Over the past two weeks data from the WPHL demonstrates that a majority of influenza A samples are being subtyped as the Novel Influenza A H1N1 (swine flu), suggesting that the proportion of influenza due to Novel Influenza A H1N1 (swine flu) is increasing.**
- **Influenza like illness (ILI) surveillance statewide suggests influenza activity is increasing but is below the epidemic threshold.**

Wyoming Status

- **No Novel Influenza A H1N1 (swine flu) hospitalizations have been reported.**
- **Over the past two weeks data from the WDH Public Health Lab demonstrates that a majority of influenza A samples are being subtyped as the Novel Influenza A H1N1 (swine flu), suggesting that the proportion of influenza due to Novel Influenza A H1N1 (swine flu) is increasing.**



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Wyoming Status

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- **Influenza like illness (ILI) surveillance statewide suggests influenza activity is increasing, but it is below the epidemic threshold**
- **Epidemiologic investigations conducted thus far suggests that community transmission is occurring**



Wyoming Status Counties with Public Health Lab Confirmed Cases

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County	Positive H1N1
Laramie	26
Natrona	1
Uinta	1



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Wyoming Status

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Age Groups	Number of Cases
<5 years of age	4
5 years to 18 years	14
19 years to 64 years	7
65+ years	0
Total	25



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Virology of Swine Flu (H1N1)

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- **Novel Influenza A (H1N1) first detected in April 2009**
- **Transmission: person to person primarily through large particle respiratory droplets**
- **Requires close contact between source and recipient persons**
- **Contact with contaminated surfaces via droplet nuclei**
- **All respiratory secretions and body fluids should be considered infectious**

Clinical Aspects of Swine Flu (H1N1)

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- **Estimated incubation period is unknown and could range from 1 to 7 days, but more likely 1 to 4 days**
- **Symptoms include fever, chills, headache, upper respiratory tract symptoms, myalgias, arthralgias, and fatigue**

Prevention of Swine Flu (H1N1)

Commit to your health.

- **Avoid contact with ill persons**
- **Cover nose and mouth with a tissue or sleeve when coughing or sneezing and throw used tissues in a trash can**
- **Wash hands frequently with soap or water or use an alcohol based hand gel**
- **Stay home from work or school when experiencing flu like symptoms**
- **If household contacts develop flulike illness they should remain at home at the earliest signs of illness**

Complications of Swine Flu (H1N1)

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- **Insufficient information but expect complications to be similar to that of seasonal influenza**
 - **Exacerbation of underlying chronic medical conditions**
 - **Upper and lower respiratory tract disease**
 - **Cardiac, musculoskeletal and neurologic complications**



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Testing Recommendations

Commit to your health.

- **Healthcare providers should conduct testing for influenza per their usual practices**
- **Report influenza cases to the WDH at (307) 777-8640, or fax reports to (307) 777-5573**
- **Healthcare providers should notify the WDH of all clusters of ILI (Influenza like illness) to arrange testing and viral subtyping at (307) 777-8640 or**
- **1-888-996-9104**



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Testing Recommendations

Commit to your health.

- **Healthcare providers who perceive an unusual increase in the number of clustering of ILI or influenza cases or observes an unusual clinical picture, (307) 777-8640 or 1-888-996-9104**
- **WDH is recruiting healthcare providers for the sentinel surveillance system**



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Treatment of Swine Flu (H1N1)

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- **Novel influenza virus (H1N1) is susceptible to Oseltamavir and Zanamavir**
- **It is resistant to Rimantidine and Amantadine**
- **Additional therapy as indicated**



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Other Issues

Commit to your health.

- **State Stockpile of antivirals**
- **Strategic National Stockpile**
- **Vaccine**
- **Quarantine and Isolation**
- **School Closures**
- **Public Information**
- **Future?**





Wyoming Department of Health Public Health Lab Contact Information

Commit to your health.

- **Wyoming Department of Health Lab**
- **Hathaway Building, 5th Floor**
- **2300 Capitol Avenue, Cheyenne, WY 82002**
- **Voice: (307) 777-8640 or 1-888-996-9104**
- **Fax: (307) 777-5573**
- **Website: www.health.wyo.gov**