

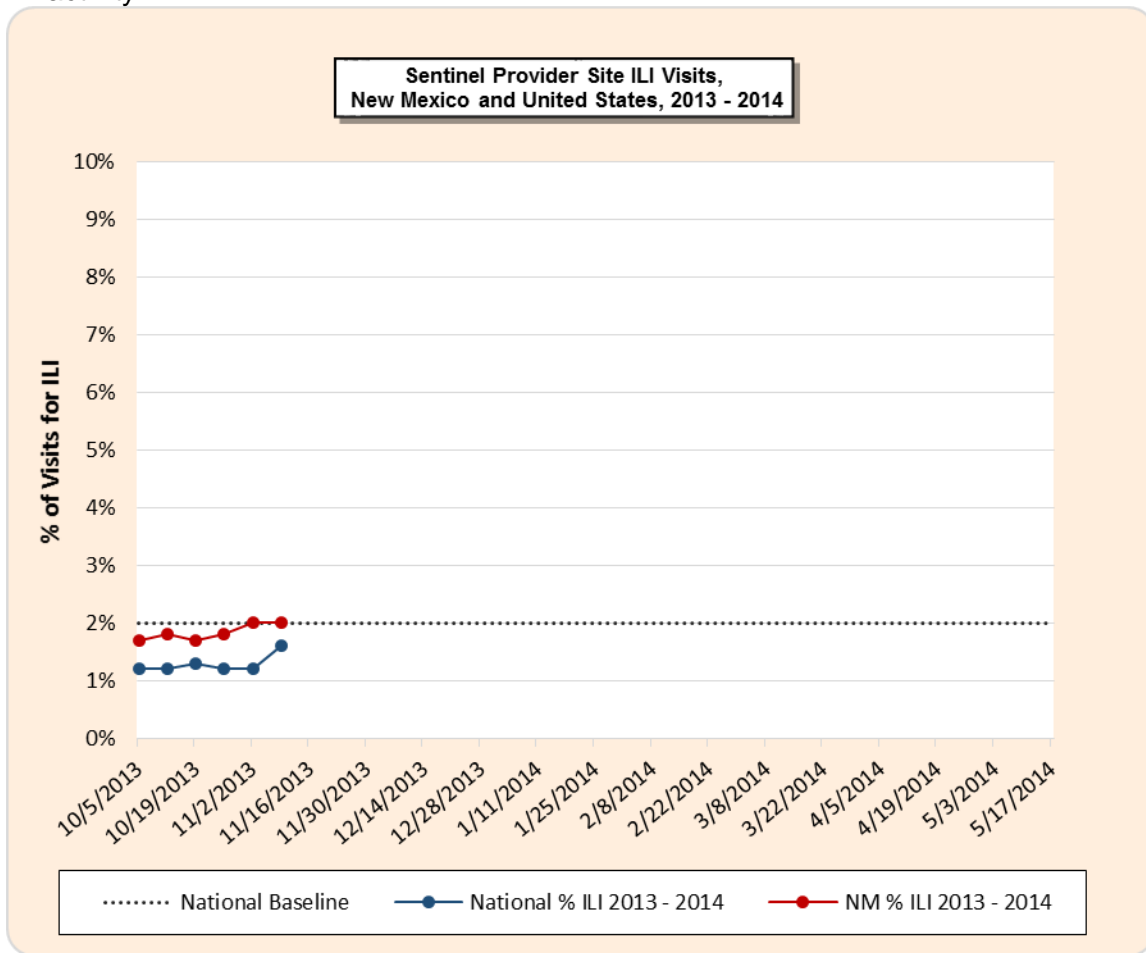
## NEW MEXICO INFLUENZA SURVEILLANCE UPDATE 2013 - 2014 Influenza Season

*Epidemiology and Response Division, New Mexico Department of Health (NMDOH)*

Influenza Activity in New Mexico for **Week Ending November 9, 2013 (MMWR Week 45)**

Influenza in the state was at low activity by several indicators<sup>1</sup>:

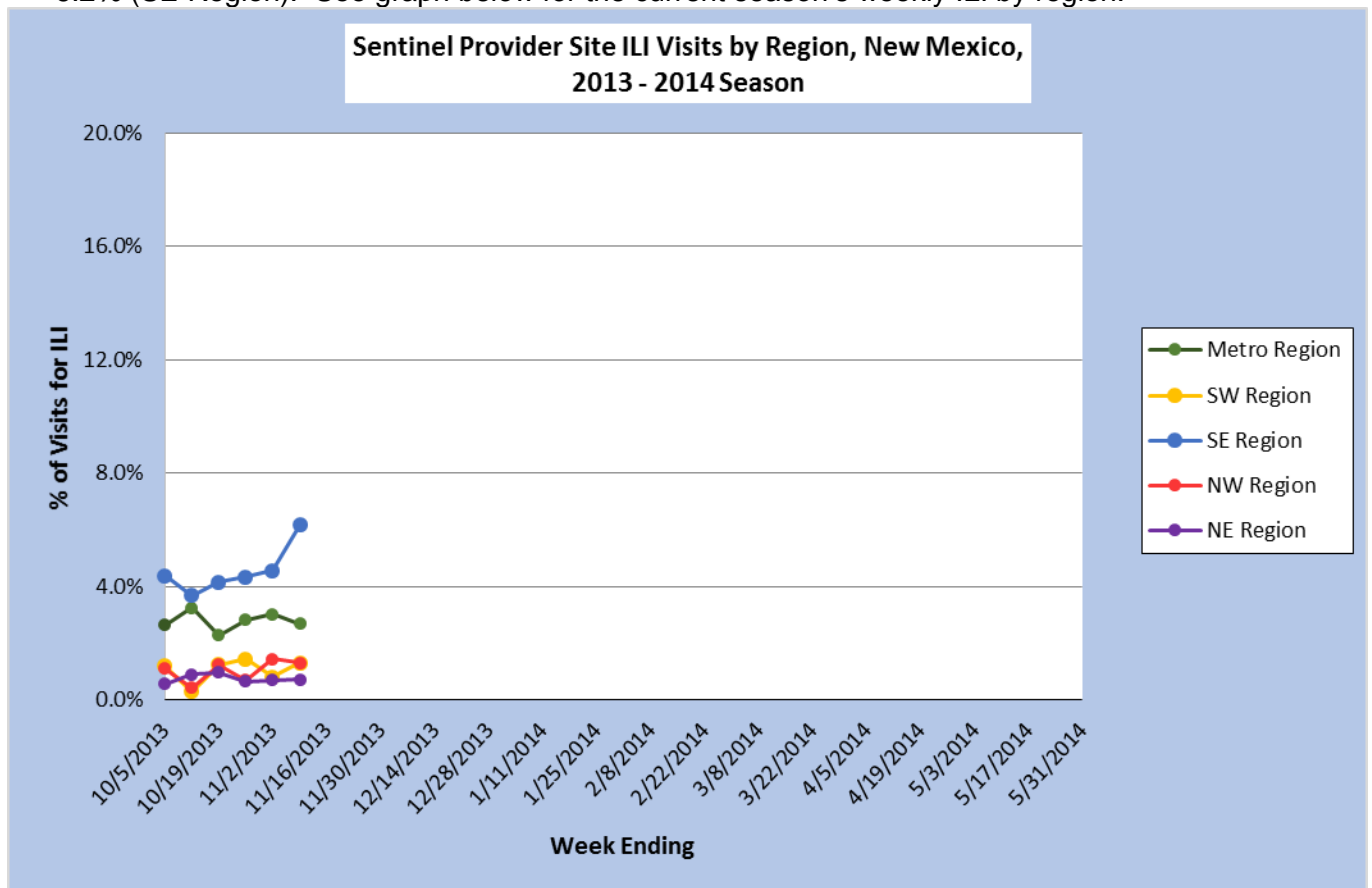
- Outpatient visits for influenza-like illness (ILI):** Twenty-five of the 29 sentinel outpatient provider sites reported a total of 9,984 patient visits, of which 200 (2.0%) were identified as visits for ILI<sup>2</sup>. See graph below displaying the comparison of statewide ILI activity to national ILI activity.



<sup>1</sup> Weekly ILI and lab data may change as additional reports are compiled.

<sup>2</sup> Influenza-like Activity (ILI) is defined as Fever ( $\geq 100^{\circ}\text{F}$  [ $37.8^{\circ}\text{C}$ ], oral or equivalent) AND cough and/or sore throat in the absence of a KNOWN cause other than influenza.

- ILI Activity by State Health Regions: by NMDOH regions within the state (refer to page 3 table footnote defining the regions by county). Weekly ILI ranged from 0.7% (NE Region) to 6.2% (SE Region). See graph below for the current season's weekly ILI by region.

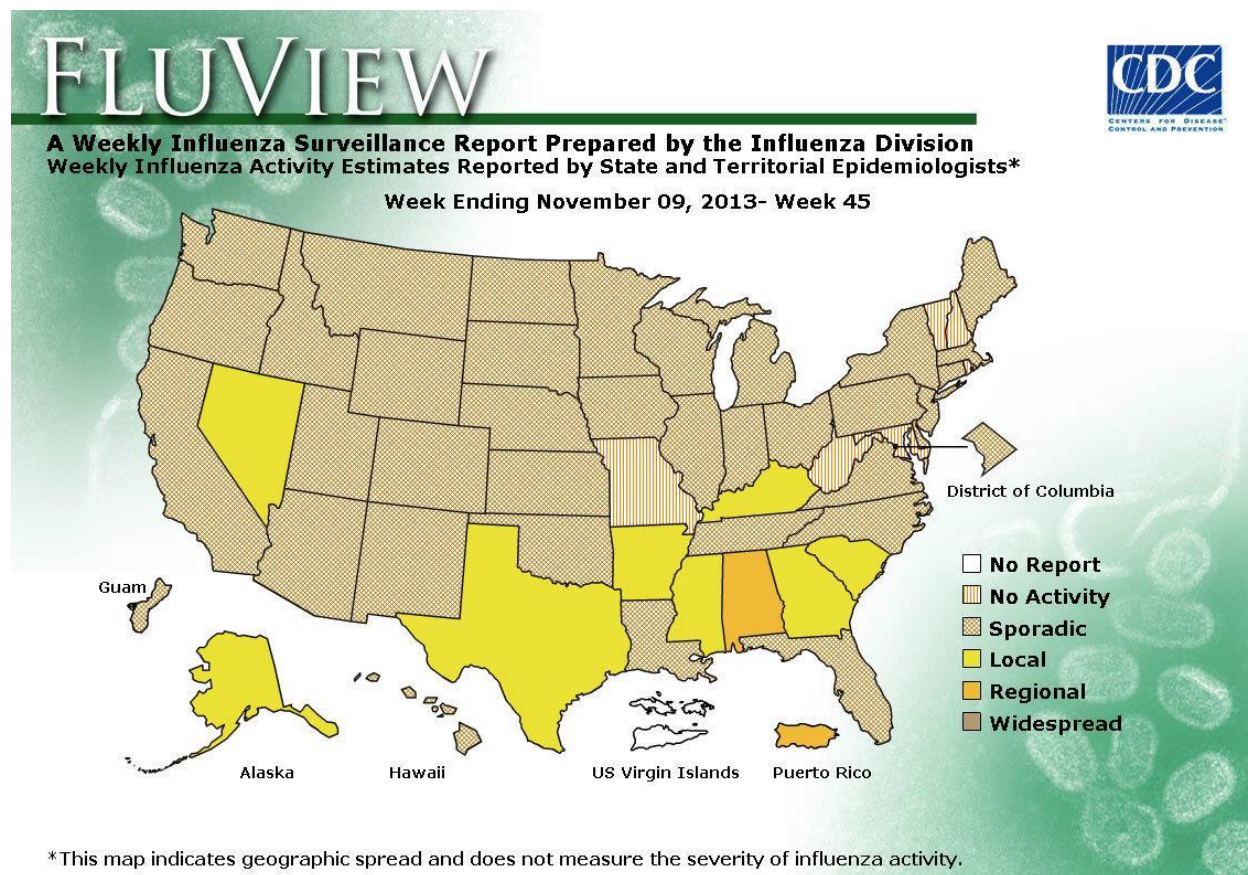


**Sentinel Outpatient Reporting Sites by Region:**

NW Region	San Juan Regional Medical Center, Farmington and Acoma-Canoncito-Laguna Indian Health Hospital, Acoma
NE Region	Raton Family Practice Associates, Raton; Taos-Picuris Indian Health Clinic, Taos; Pecos Valley Medical Center, Pecos; La Familia Medical Clinic, Santa Fe; Los Alamos Family Care Clinic, Los Alamos; Jicarilla Apache Indian Health Clinic, Dulce; Espanola Family Care Clinic, Espanola
Metro Region	Lovelace Downtown Medical Center, Albuquerque; University of New Mexico Student Health Clinic, Albuquerque; Presbyterian Medical Group-Atrisco, Northside, Pediatric Urgent Care; Albuquerque Health Partners Urgent Care, Rio Rancho
SE Region	Carlsbad Medical Center, Carlsbad; Lea Regional Medical Center, Hobbs; Eastern New Mexico Medical Center, Roswell; Ruidoso Medical Associates, Ruidoso; Roosevelt General Hospital, Portales
SW Region	Gila Regional Medical Center, Silver City; Hidalgo Medical Services Clinic, Lordsburg; Ben Archer Health Center, Deming, Columbus, and Dona Ana; La Clinica de Familia, Sunland Park; Mescalero Apache Indian Health Hospital, Mescalero; Sierra Vista Hospital, Truth or Consequences; New Mexico Mining and Technology Institute, Socorro

**Laboratory tests for influenza:** The Scientific Lab Division (SLD) reported the first positive samples for influenza by polymerase chain reaction (PCR) or culture, collected during the week ending 11/2/2013. The sample was positive for influenza A- 2009 H1N1, and was sent to the Centers for Disease Control and Prevention (CDC) for confirmation.

- **Influenza-related deaths:** There have been no laboratory confirmed influenza-related deaths, adult or pediatric, in New Mexico during the week ending November 9, 2013.
- **Geographic Spread of Influenza in the State:** NMDOH reported the state influenza activity level as '**Sporadic**' to the Centers for Disease Control and Prevention (CDC). See the table on page 4 for the activity level definitions. Below is a map of the U.S displaying New Mexico activity in comparison to influenza activity in bordering states, regions, and nationally for the week ending November 9, 2013. This map is produced by the CDC Influenza Division.



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This information is collected by the Infectious Disease Epidemiology Bureau, Epidemiology Response Division, New Mexico Department of Health. For questions, please call 505-827-0006.

For more information on influenza go to the NMDOH web page: <http://www.health.state.nm.us/flu/> or the CDC web page: <http://www.cdc.gov/ncidod/diseases/flu/fluivirus.htm>

**TABLE OF INFLUENZA ACTIVITY LEVELS**

Activity Level	ILI activity*/Outbreaks		Laboratory data
<b>No activity</b>	Low	<b>And</b>	No lab confirmed cases <sup>†</sup>
<b>Sporadic</b>	Not increased	<b>And</b>	Isolated lab-confirmed cases
	<b>OR</b>		
<b>Local</b>	Not increased	<b>And</b>	Lab confirmed outbreak in one institution <sup>‡</sup>
	<b>OR</b>		
<b>Regional</b>	Increased ILI in 1 region <sup>**</sup> ; ILI activity in other regions is not increased	<b>And</b>	Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI
	<b>OR</b>		
<b>Widespread</b>	2 or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased	<b>And</b>	Recent (within the past 3 weeks) lab evidence of influenza in region with the outbreaks; virus activity is no greater than sporadic in other regions
	<b>OR</b>		
<b>Regional</b>	Increased ILI in less than half of the regions (2 or less)	<b>And</b>	Recent (within the past 3 weeks) lab confirmed influenza in the affected regions
	<b>OR</b>		
<b>Widespread</b>	Institutional outbreaks (ILI or lab confirmed) in less than half of the regions (2 or less)	<b>And</b>	Recent (within the past 3 weeks) lab confirmed influenza in the affected regions
	<b>OR</b>		
<b>Widespread</b>	Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least 3 of the 5 regions	<b>And</b>	Recent (within the past 3 weeks) lab confirmed influenza in the state.

\*Influenza-like illness: Fever ( $\geq 100^{\circ}\text{F}$  [ $37.8^{\circ}\text{C}$ ], oral or equivalent) and cough and/or sore throat (in the absence of a known cause other than influenza).

<sup>†</sup> Lab confirmed case = case confirmed by rapid diagnostic test, antigen detection, culture, or PCR. Care should be given when relying on results of point of care rapid diagnostic test kits during times when influenza is not circulating widely. The sensitivity and specificity of these tests vary and the predicative value positive may be low outside the time of peak influenza activity. Therefore, at the start of the season, NMDOH uses lab confirmation by PCR or culture to declare the presence of lab-confirmed influenza in the state. Positivity by other lab methods is recognized and tracked as another influenza activity indicator as the season progresses.

<sup>‡</sup> Institution includes nursing home, hospital, prison, school, etc.

<sup>\*\*</sup>Region: population under surveillance in a defined geographical subdivision of a state. A region could be comprised of 1 or more counties and would be based on each state's specific circumstances. In New Mexico, the NMDOH regions are: **Northwest Region:** San Juan, McKinley, and Cibola counties; **Northeast Region:** Los Alamos, Rio Arriba, Taos, Colfax, Union, Mora, Harding, Santa Fe, San Miguel and Guadalupe counties; **Metro Region:** Bernalillo, Sandoval, Torrance and Valencia counties; **Southeast Region:** Quay, Curry, DeBaca, Lincoln, Roosevelt, Chaves, Eddy and Lea counties, and **Southwest Region:** Socorro, Catron, Grant, Sierra, Otero, Dona Ana, Luna and Hidalgo counties.