



# Epidemiology and Response Division

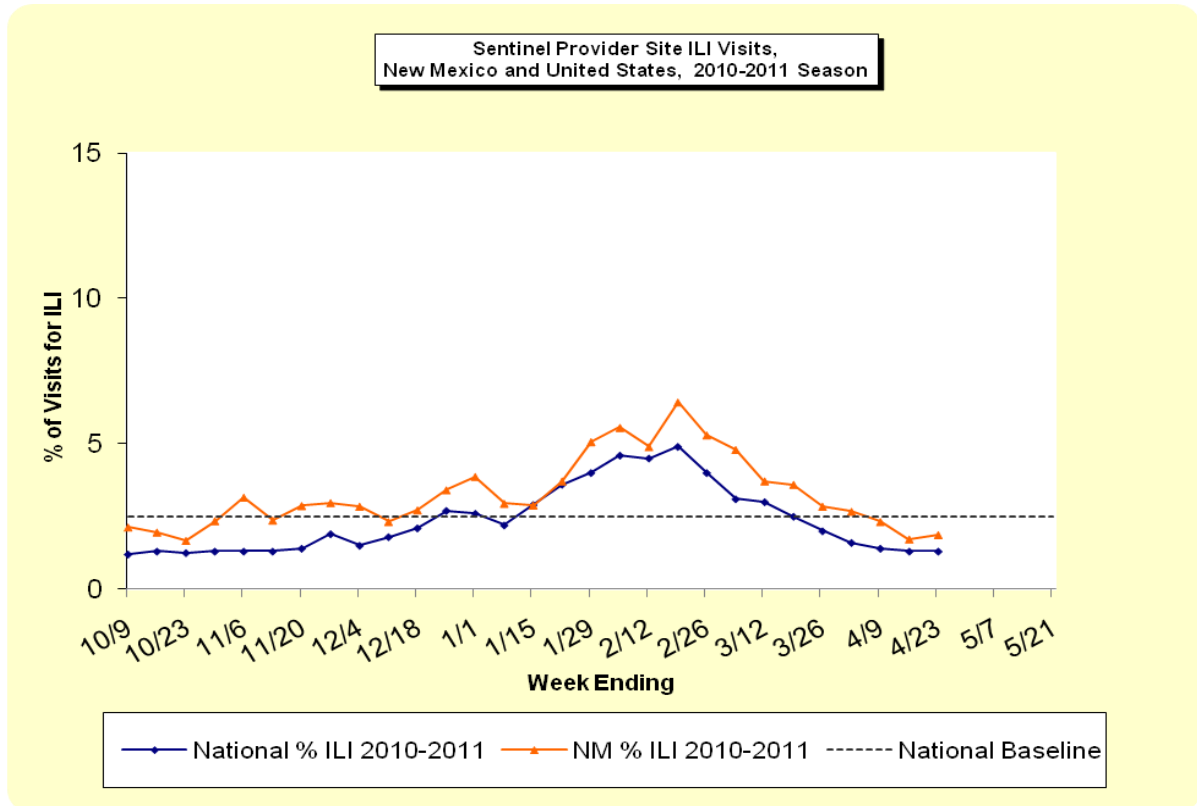
## NEW MEXICO INFLUENZA SURVEILLANCE UPDATE 2010-2011 Influenza Season

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

Influenza Activity in New Mexico for **Week Ending April 23, 2011**

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

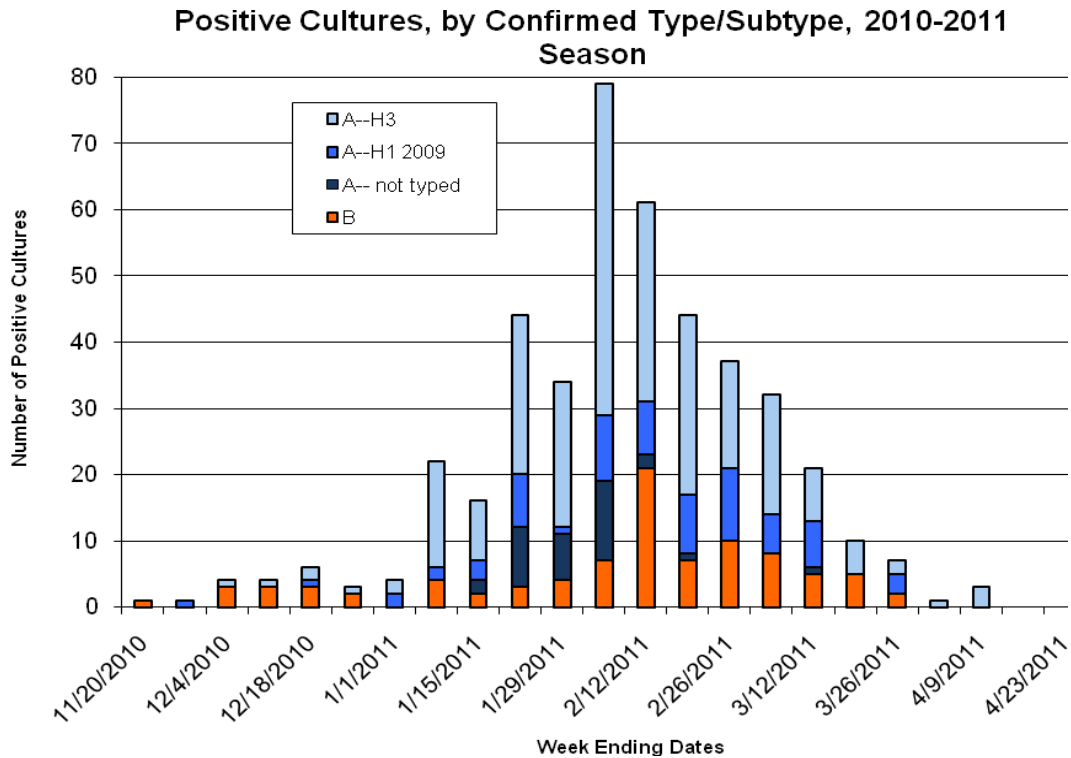
- **Sentinel Surveillance:** outpatient visits for influenza-like illness (ILI)—with twenty-five sentinel sites reporting, there was a total of 8,278 patient visits, of which 155 (1.9%) were identified as visits for ILI<sup>2</sup>. The previous week ending April 16th reported 1.7% influenza-like illness visits. See graph below with comparison to national ILI activity percentage.



<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 absence of a KNOWN cause other than influenza.

- Laboratory/Virologic Surveillance:** The Scientific Lab Division (SLD) has reported up to week ending 4/16/11, four hundred and thirty-four (39%) respiratory samples, of 1,104 samples submitted since 10/1/2010, that were positive for influenza by polymerase chain reaction (PCR) and/or culture. See the graph below for a representation of the circulating influenza types and subtypes by week of collection date.



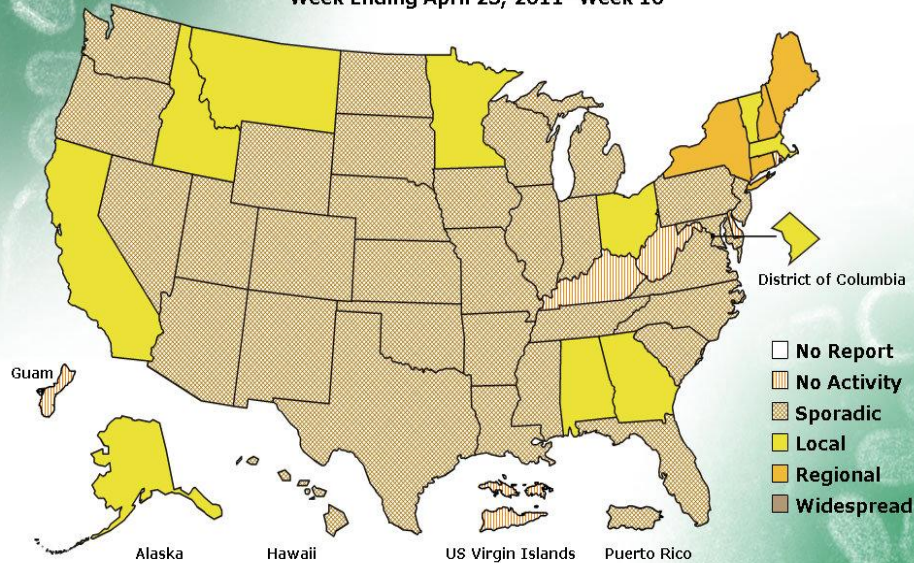
- Mortality Surveillance:** there has been one report of a pediatric death (during week ending 1/22/11) caused by lab-confirmed influenza in New Mexico since the beginning of the season in early October. NMDOH has also received reports of seventeen adult deaths in New Mexico residents, associated with lab-confirmed influenza, which occurred from mid-January to early March of this season.
- National Reporting:** NMDOH reported the state influenza activity as “**Sporadic Activity**” to the Centers for Disease Control and Prevention (CDC). See the table on page 3 for full definitions of activity levels. Below is a map of the U.S displaying New Mexico activity in comparison to influenza activity in bordering states, related regions and nationally.

# FLUVIEW



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division**  
**Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\***

**Week Ending April 23, 2011 - Week 16**



\*This map indicates geographic spread and does not measure the severity of influenza activity.

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This information is collected by the Infectious Disease Epidemiology Bureau, Epidemiology Response Division of NMDOH.

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/fluvirus.htm>

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>
	Increased ILI 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 increased ILI
<b>OR</b>			
<b>Regional</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
	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>Regional</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
	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.
<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.

\*\*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: Region 1—San Juan, McKinley, Sandoval, Cibola and Valencia counties; Region 2—Rio Arriba, Taos, Colfax, Union, Mora, Santa Fe, San Miguel, Los Alamos and Guadalupe counties; Region 3 — Bernalillo county; Region 4 — Harding, Quay, Curry, DeBaca, Roosevelt, Chaves, Eddy and Lea counties, and Region 5 – Torrance, Lincoln, Socorro, Catron, Grant, Sierra, Otero, Dona Ana, Luna and Hidalgo counties.