NEW MEXICO INFLUENZA SURVEILLANCE UPDATE
2011 - 2012 Influenza Season

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

Influenza Activity in New Mexico for Week Ending February 11, 2012 (MMWR Week 6)

Influenza in the State was no activity to low activity by several indicators:

- Outpatient Visits for Influenza-like illness (ILI): a total of 25 out of 26 sentinel outpatient provider sites reported 8,888 patient visits, of which 194 (2.2%) were identified as visits for ILI. The previous week ending February 4th reported 2.5% influenza-like illness. See graph below displaying the comparison of statewide ILI activity to national ILI activity by ILI percentages.
By Health Regions within the state (refer to page 4 table footnote defining the regions by county), activity was at low to slightly increased levels with a range of 1.1% ILI (Regions 1 and 3) to 6.4% ILI (Region 4). See graph below for the current season’s ILI by region.
- **Laboratory tests for influenza:** since early October, the Scientific Lab Division (SLD) has reported 19 positive samples for influenza by PCR and/or culture: seven influenza type B, nine influenza A/H3, one influenza A/H1 and two influenza A (not subtyped) of 333 samples tested (5.7%). See the graph below for a representation of the circulating influenza types and subtypes by week/date of collection.

![Virologic Testing Results, by Confirmed Type/Subtype, 2011-2012 Season](image)

- **Influenza-related deaths:** there have been no reports of deaths, adult or pediatric, caused by lab-confirmed influenza in New Mexico since the beginning of the season in early October.
NMDOH reported the state influenza activity as “Sporadic” 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, regions and nationally.

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

1 Weekly ILI and lab data may change as additional reports are compiled.
2 Influenza-like Activity (ILI) is defined as Fever (≥ 100°F [37.8°C], oral or equivalent) AND cough and/or sore throat in absence of a KNOWN cause other than influenza.

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/](http://www.health.state.nm.us/flu/) or the CDC web page: [http://www.cdc.gov/ncidod/diseases/flu/fluavirus.htm](http://www.cdc.gov/ncidod/diseases/flu/fluavirus.htm)
### Influenza-like illness:

- Fever (≥ 100°F [37.8°C], oral or equivalent) and cough and/or sore throat.

### 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 predictive 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.

### 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 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.

### Activity Level

<table>
<thead>
<tr>
<th>Activity Level</th>
<th>ILI activity*/Outbreaks</th>
<th>Laboratory data</th>
</tr>
</thead>
<tbody>
<tr>
<td>No activity</td>
<td>Low</td>
<td>No lab confirmed cases†</td>
</tr>
<tr>
<td>Sporadic</td>
<td>Not increased</td>
<td>Isolated lab-confirmed cases</td>
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<tr>
<td></td>
<td>And</td>
<td>OR</td>
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<tr>
<td></td>
<td>Increased ILI in 1 region**; ILI activity in other regions is not increased</td>
<td>Recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI</td>
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<tr>
<td></td>
<td>And</td>
<td>OR</td>
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<tr>
<td></td>
<td>2 or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased</td>
<td>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</td>
</tr>
<tr>
<td>Local</td>
<td>Increased ILI in less than half of the regions (2 or less)</td>
<td>Recent (within the past 3 weeks) lab confirmed influenza in the affected regions</td>
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<tr>
<td></td>
<td>And</td>
<td>OR</td>
</tr>
<tr>
<td></td>
<td>Institutional outbreaks (ILI or lab confirmed) in less than half of the regions (2 or less)</td>
<td>Recent (within the past 3 weeks) lab confirmed influenza in the affected regions</td>
</tr>
<tr>
<td>Regional</td>
<td>Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least 3 of the 5 regions</td>
<td>Recent (within the past 3 weeks) lab confirmed influenza in the affected regions</td>
</tr>
<tr>
<td>Widespread</td>
<td>And</td>
<td>Recent (within the past 3 weeks) lab confirmed influenza in the state.</td>
</tr>
</tbody>
</table>

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† 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 predictive 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.

‡ Institution includes nursing home, hospital, prison, school, etc.

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