



**THE US-MEXICO BORDER INFLUENZA SURVEILLANCE NETWORK WEEKLY UPDATE: PASO DEL NORTE REGION**

**Weekly Report ending January 21, 2012 (MMWR Week 3)**

| Region   | Influenza Activity Level (see below for description) |
|--|--|
| <b>Border Region of New Mexico/Chihuahua/Texas</b> | <b>No activity</b>                                   |
| <b>New Mexico</b>                                  | <b>Sporadic</b>                                      |
| <b>Texas</b>                                       | <b>Local</b>   |

**Summary of Border Influenza Activity in the Region of Southwestern New Mexico/Northern Chihuahua/West Texas for Week Ending 01/21/2012<sup>1</sup>:**

The border region includes 13 influenza sentinel surveillance sites within 100 kilometers (60 miles) of US/Mexico border. The sites reported a total of 5271 patient visits for the reporting period, of which 16 (0.3%) were positive for an influenza-like illness (ILI)<sup>2</sup>.

|            | Clinic                    | Patients seen week ending: 01/21/2012 | Patients with ILI this week (n; % of this week's total): | Patients with ILI last week (n; % of last week's total): |
|------------|---------------------------|---------------------------------------|--|--|
| Chihuahua  | CAAPS Águilas             | 1511                                  | 1(0.1%)  | 0(0.0%)  |
|            | CAAPS Anapra              | 994                                   | 6(0.6%)  | 1(0.1%)  |
|            | Centro Salud "B"          | 1281                                  | 0(0.0%)  | 0(0.0%)  |
|            | CSHS, Nuevo Casas Grandes | 85                                    | 1(1.2%)  | 0(0.0%)  |
|            | CSHS, Ojinaga             | 203                                   | 2(1.0%)  | 0(0.0%)  |
| New Mexico | BAHC, Deming              | 136                                   | 0(0.0%)  | 1(0.6%)  |
|            | BAHC, Dona Ana            | 343                                   | 3(0.9%)  | 1(0.3%)  |
|            | HMS, Lordsburg            | 146                                   | 0(0.0%)  | 3(2.3%)  |
|            | LCDF, Sunland             | 194                                   | 0(0.0%)  | 0(0.0%)  |
|            | BAHC, Columbus            | 92                                    | 0(0.0%)  | 0(0.0%)  |
| Texas      | Alpine                    | 98                                    | 0(0.0%)  | 0(0.0%)  |
|            | Marfa Community Health    | 82                                    | 0(0.0%)  | 0(0.0%)  |
|            | Presidio Medical          | 106                                   | 3(2.8%)  | 0(0.0%)  |
|            | <b>Totals:</b>            | <b>5271</b>                           | <b>16(0.3%)</b>  | <b>6(0.1%)</b>   |

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

<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.

**Summary of Border Region Sentinel Laboratory Activity<sup>3</sup> in New Mexico, Chihuahua and West Texas for Week Ending 01/21/2012:**

|  |   | Rapid Test Results for This Week |                             |  | Laboratory Confirmed <sup>4</sup><br>Cumulative for Season |                           |                  |                   |                              |
|--|---|----------------------------------|-----------------------------|--|--|---------------------------|------------------|-------------------|------------------------------|
| 2011-2012<br>Influenza Season <sup>5</sup> | Number<br>Tests<br>Performed <sup>5</sup> | Positive<br>Type A<br>(n,%)      | Positive<br>Type B<br>(n,%) | Total<br>Positive<br>All<br>Types <sup>6</sup> | Number<br>Specimens<br>Tested                              | Positive Type A<br>(n, %) |                  |                   | Positive<br>Type B<br>(n, %) |
|  |   |                                  |                             |  |  | A H3                      | A H1N1<br>(2009) | A Not<br>subtyped |                              |
| Chihuahua                                  | CAAPS Águilas                             |                                  |                             |  |  |                           |                  |                   |                              |
|  | CAAPS Anapra                              | 6                                | 0(0.0%)                     | 0(0.0%)  | 0(0.0%)  |                           |                  |                   |                              |
|  | Centro Salud "B"                          |                                  |                             |  |  |                           |                  |                   |                              |
|  | CSHS, Nuevo Casas Grandes                 | 1                                | 0(0.0%)                     | 0(0.0%)  | 0(0.0%)  |                           |                  |                   |                              |
|  | CSHS, Ojinaga                             | 2                                | 0(0.0%)                     | 0(0.0%)  | 0(0.0%)  |                           |                  |                   |                              |
| New Mexico                                 | BAHC, Deming                              |                                  |                             |  |  |                           |                  |                   |                              |
|  | BAHC, Dona Ana                            | 3                                | 0(0.0%)                     | 0(0.0%)  | 0(0.0%)  |                           |                  |                   |                              |
|  | HMS, Lordsburg                            |                                  |                             |  |  |                           |                  |                   |                              |
|  | LCDF, Sunland                             |                                  |                             |  |  |                           |                  |                   |                              |
|  | BAHC, Columbus                            |                                  |                             |  |  |                           |                  |                   |                              |
| Texas                                      | Alpine                                    |                                  |                             |  |  |                           |                  |                   |                              |
|  | Marfa Community Health                    |                                  |                             |  |  |                           |                  |                   |                              |
|  | Presidio Medical                          |                                  |                             |  |  |                           |                  |                   |                              |
|  | El Paso County <sup>7</sup>               |                                  |                             |  |  | 38                        | 0(0.0%)          | 0(0.0%)           | 0(0.0%)                      |
| <b>Total:</b>                              | <b>12</b>                                 | <b>0(0.0%)</b>                   | <b>0(0.0%)</b>              | <b>0(0.0%)</b>                                 | <b>38</b>  | <b>0(0.0%)</b>            | <b>0(0.0%)</b>   | <b>0(0.0%)</b>    | <b>0(0.0%)</b>               |

**National Flu Surveillance and Laboratory Activity, Week Ending 01/21/2012:**

More information on national surveillance can be found at <http://www.cdc.gov/flu/weekly/>.

<sup>3</sup> Includes an influenza rapid test (EIA), fluorescent antibody (DFA or IFA), RT-PCR or viral culture.

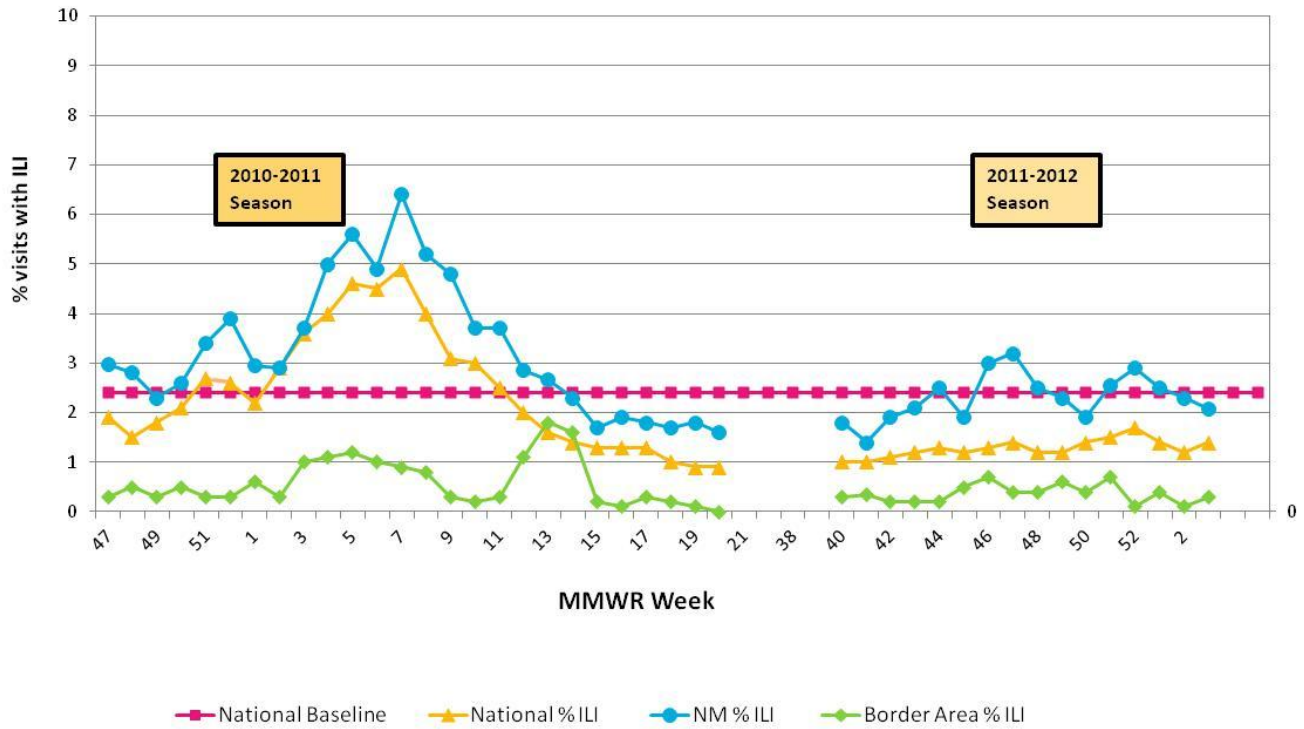
<sup>4</sup> Laboratory results will be reported as they become available.

<sup>5</sup> Influenza test availability and clinical criteria for testing may not be consistent between clinics or clinicians.

<sup>6</sup> This includes positive "type unknown" rapid test results.

<sup>7</sup> This information is reported by the City of El Paso Dept. of Public Health and represents a laboratory surveillance network of hospitals and outpatient sentinel sites in the County of El Paso. Only cumulative and aggregate laboratory confirmed specimen results will be reported.

## Influenza Sentinel Surveillance New Mexico/Chihuahua/West Texas, 2011-2012



\* No official reporting between Week 21 and Week 39



| <b>Activity Level</b>   | <b>ILI activity*/Outbreaks</b>  |            | <b>Laboratory data</b>  |
|---|---|------------|---|
| <b>No activity</b>  | <b>Low</b>  | <b>And</b> | <b>No lab confirmed cases†</b>  |
| <b>Sporadic</b>   | <b>Not increased</b>  | <b>And</b> | <b>Isolated lab-confirmed cases</b>   |
|   | <b>OR</b>   |            |   |
| <b>Local</b>  | <b>Increased ILI in 1 region**;<br/>ILI activity in other regions<br/>is not increased</b>  | <b>And</b> | <b>Recent (within the past 3 weeks) lab evidence of<br/>influenza in region with increased ILI</b>  |
|   | <b>OR</b>   |            |   |
| <b>Regional<br/>(doesn't apply<br/>to states with<br/>≤4 regions)</b> | <b>2 or more institutional<br/>outbreaks (ILI or lab<br/>confirmed) in 1 region; ILI<br/>activity in other regions is<br/>not increased</b> | <b>And</b> | <b>Recent (within the past 3 weeks) lab evidence of<br/>influenza in region with the outbreaks; virus<br/>activity is no greater than sporadic in other<br/>regions</b> |
|   | <b>OR</b>   |            |   |
| <b>Regional<br/>(doesn't apply<br/>to states with<br/>≤4 regions)</b> | <b>Increased ILI in ≥2 but less<br/>than half of the regions</b>  | <b>And</b> | <b>Recent (within the past 3 weeks) lab confirmed<br/>influenza in the affected regions</b>   |
|   | <b>OR</b>   |            |   |
| <b>Regional<br/>(doesn't apply<br/>to states with<br/>≤4 regions)</b> | <b>Institutional outbreaks (ILI<br/>or lab confirmed) in ≥2 and<br/>less than half of the regions</b>                                       | <b>And</b> | <b>Recent (within the past 3 weeks) lab confirmed<br/>influenza in the affected regions</b>   |
|   | <b>OR</b>   |            |   |
| <b>Widespread</b>   | <b>Increased ILI and/or<br/>institutional outbreaks (ILI<br/>or lab confirmed) in at least<br/>half of the regions</b>                      | <b>And</b> | <b>Recent (within the past 3 weeks) lab confirmed<br/>influenza in the state.</b>   |

\*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)

† Lab confirmed case = case confirmed by influenza rapid test (EIA), fluorescent antibody (DFA or IFA), RT-PCR or viral culture. 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, a state may wish to obtain laboratory confirmation of influenza by testing methods other than point of care rapid tests for reporting the first laboratory confirmed case of influenza of the season.

‡ 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. Depending on the size of the state, the number of regions could range from 2 to approximately 12. The definition of regions would be left to the state but existing state health districts could be used in many states. Allowing states to define regions would avoid somewhat arbitrary county lines and allow states to make divisions that make sense based on geographic population clusters. Focusing on regions larger than counties would also improve the likelihood that data needed for estimating activity would be available.

This information is collected by the Border Infectious Disease Surveillance (BIDS) and Early Warning Infectious Disease Surveillance (EWIDS) programs in the Office of Border Health and the Infectious Disease Epidemiology Bureau, Epidemiology & Response Division, NMDOH. For questions, please call 575-528-5103 or 505-827-0006. To see this report online and for more information on influenza, go to the NMDOH web page: <http://nmhealth.org/flu/> or the CDC web page: <http://cdc.gov/flu/>.