

# New Mexico Department of Health Influenza & Respiratory Disease Report

A Summary of Influenza and RSV Surveillance

## New Mexico Influenza Geographic Spread\*

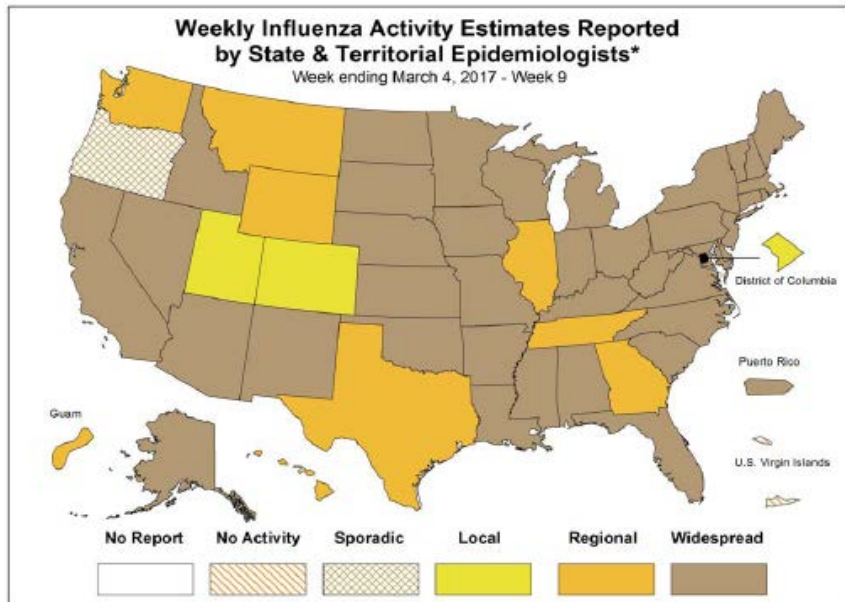
No Activity

Sporadic

Local

Regional

Widespread



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

## Summary of Activity: Week 9 February 26<sup>th</sup> – March 4<sup>th</sup>, 2017

- New Mexico ILI activity is currently 3.9% which is above the national baseline
- US ILI is 3.6% which is above the national baseline of 2.2%
- Influenza activity is above the NM baseline of 2.6% in three health regions
- There was PCR confirmed lab activity in all five health regions this week
- Four new influenza-related outbreaks have been reported this week

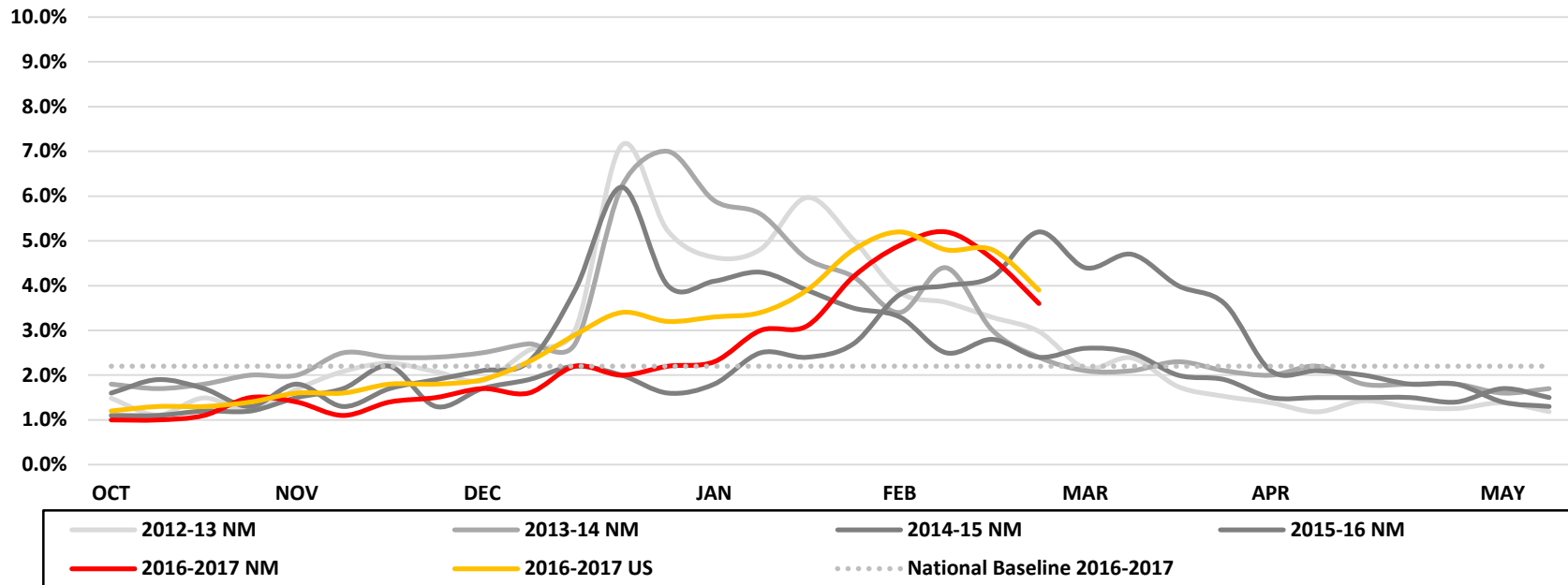
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# Influenza-Like Illness (ILI) Activity

New Mexico Department of Health (NMDOH) is collaborating with 29\* ILI sentinel sites for the 2016-2017 season. Sites report weekly on the number of patients that present to their facility with influenza-like illness. That number is then divided by the total number of patients seen for any reason, resulting in percent of ILI activity. ILI is defined as fever of > 100° F and cough and sore throat in absence of known cause.

## New Mexico and U.S. ILI Activity, 2012 to Present

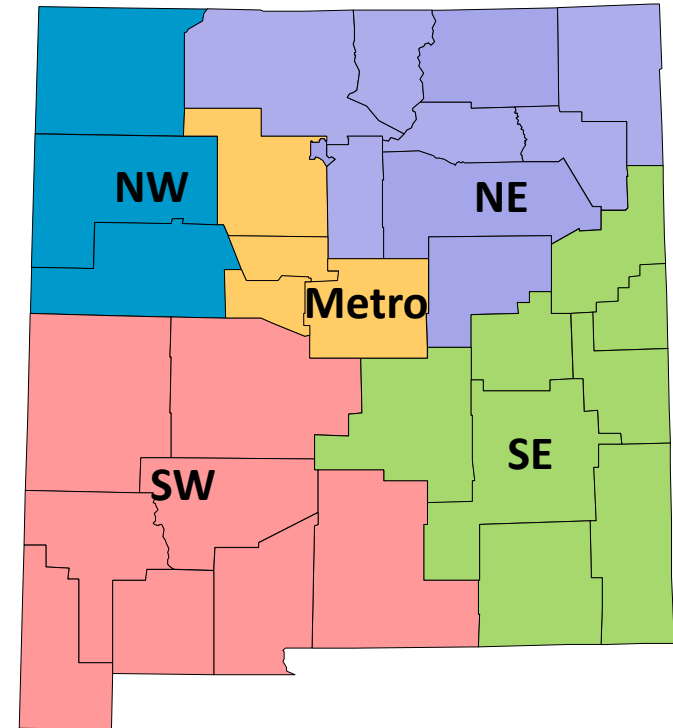
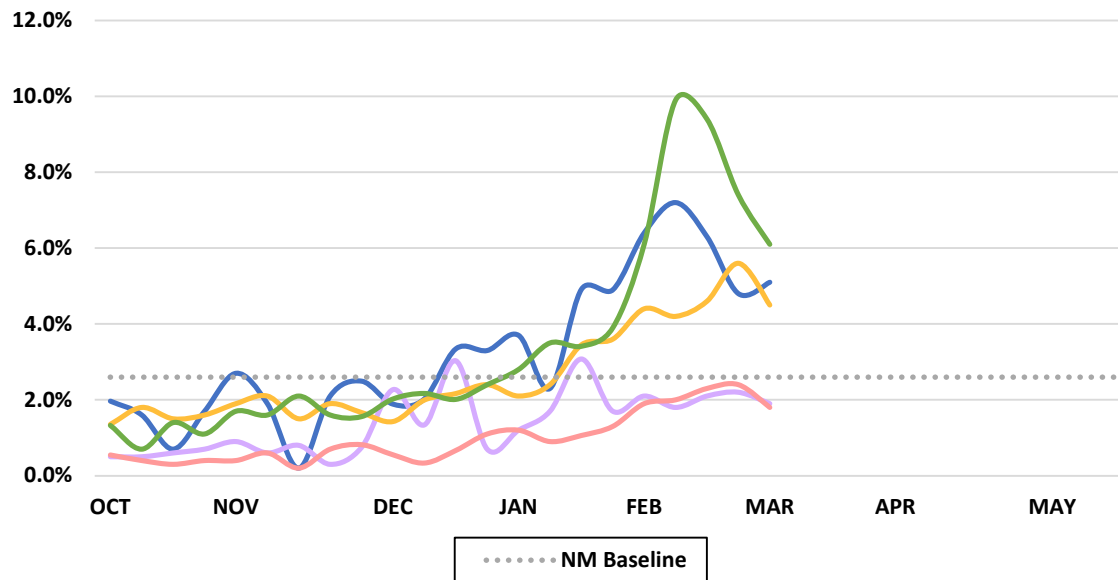


| % ILI, NM Week 9<br>Feb 26 <sup>th</sup> – Mar 4 <sup>th</sup> , 2017<br>(current Week) | % ILI, NM Week 8<br>Feb 19 <sup>th</sup> – Feb 25 <sup>th</sup> , 2017<br>(previous week) | % ILI, US Week 9<br>Feb 26 <sup>th</sup> – Mar 4 <sup>th</sup> , 2017<br>(current week) |
|---|---|---|
| 3.9%  | 4.6%  | 3.6%  |

\* See appendix for 29 reporting sites

# Regional ILI Activity

## NM ILI Activity by Health Region, 2016-2017



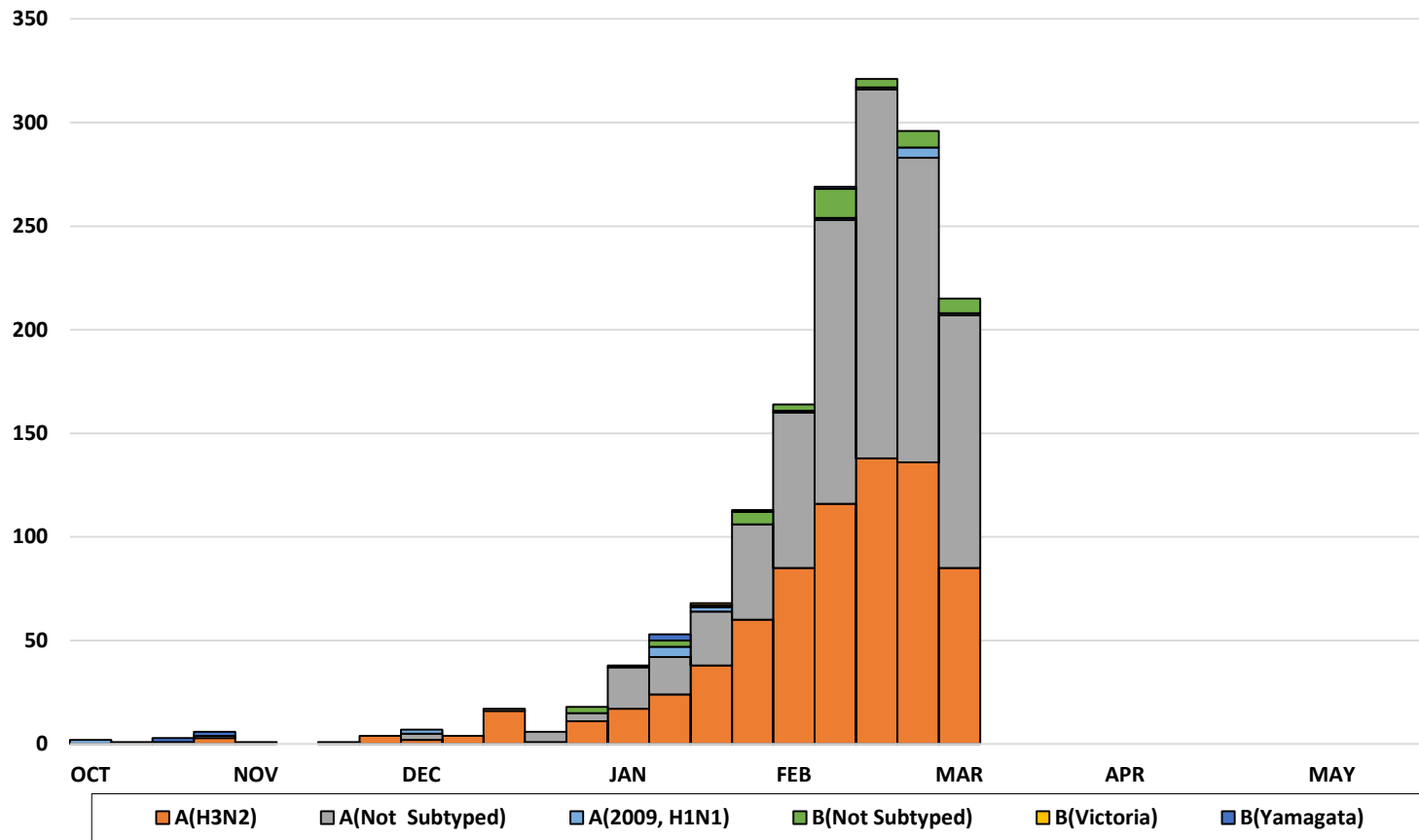
| Region | This Week | Last Week | Outbreaks | +PCR testing at SLD |
|--------|-----------|-----------|-----------|---------------------|
| NW     | 5.1%      | 4.8%      | No        | Yes                 |
| NE     | 1.9%      | 2.2%      | No        | Yes                 |
| Metro  | 4.5%      | 5.6%      | No        | Yes                 |
| SW     | 1.8%      | 2.4%      | Yes       | Yes                 |
| SE     | 6.1%      | 7.4%      | No        | Yes                 |

**Outbreak:** An influenza outbreak is defined as at least two cases of ILI in a specific area with at least one lab confirmed case.

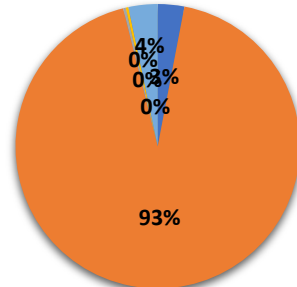
**PCR Testing:** Polymerase Chain Reaction (PCR) tests can identify the presence of influenza viral RNA in respiratory specimens. PCR testing is performed at various laboratories across New Mexico.

# Laboratory Data & Virologic Surveillance

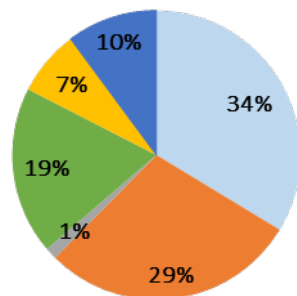
PCR Positive Results among Hospital/Clinical Sites and Scientific Laboratory Division, 2016-2017



NM subtyping performed at SLD

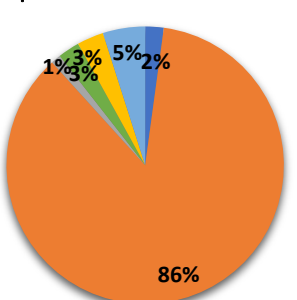


2016-2017



2015-2016

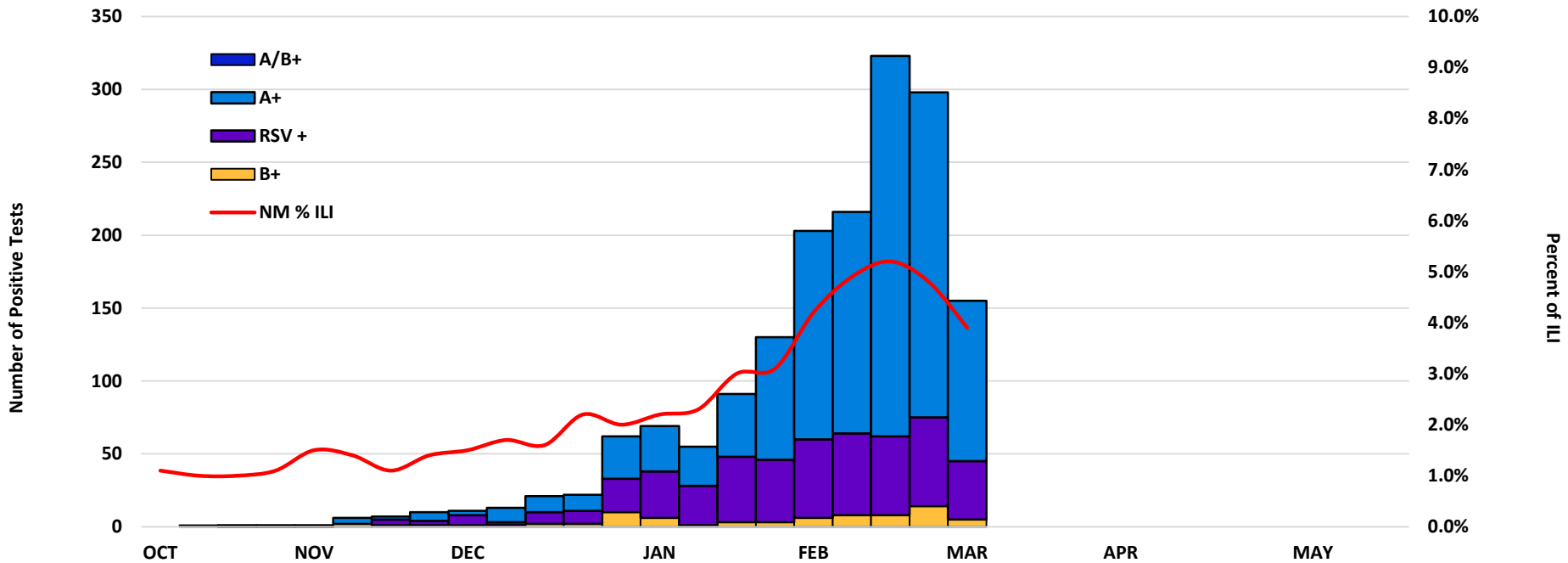
U.S. virus characterization performed at CDC



2016-2017 US

Since the start of the 2016-2017 influenza season, laboratories have reported that a total of 1,614 out of 11,171 respiratory specimens have tested positive for influenza by PCR. Twenty positive specimens were subtyped as A(H1N1), 741 were A(H3N2), 783 influenza A specimen was not subtyped. Fifty-one tested positive as influenza B not subtyped, 1 positive specimens were identified as B(Victoria) and eleven as B(Yamagata).

# RSV and Rapid Influenza Laboratory Data 2016-2017



## Laboratory Sites Participating in Rapid influenza Data Collection (Facility name, City)

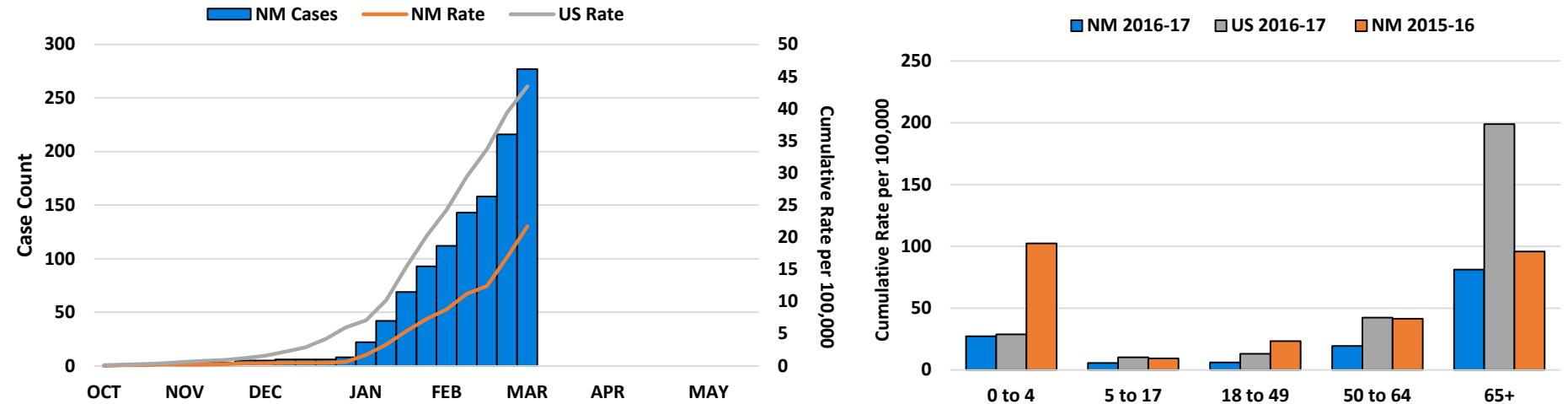
|              |   |
|--------------|---|
| <b>NW</b>    | San Juan Regional Medical Center, Farmington; and Acoma-Canoncito-Laguna Indian Health Hospital, Acoma Pueblo   |
| <b>NE</b>    | Taos-Picuris Indian Health Clinic, Taos; Pecos Valley Medical Center, Pecos; La Familia Medical Clinics, Santa Fe; Los Alamos Family Care Clinic, Los Alamos; Jicarilla Apache Indian Health Clinic, Dulce; Children's Clinic PA, Los Alamos  |
| <b>Metro</b> | 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   |
| <b>SW</b>    | 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; New Mexico Mining and Technology Institute, Socorro |
| <b>SE</b>    | Carlsbad Medical Center, Carlsbad; Lea Regional Medical Center, Hobbs; Eastern New Mexico Medical Center, Roswell; Roosevelt General Hospital Clinic, Portales  |

## Laboratory Sites Participating in RSV Data Collection (Facility name, City)

|  |   |
|--|---|
|  | San Juan Regional Medical Center, Farmington and Acoma-Canoncito-Laguna Indian Health Hospital, Acoma, Gallup Indian Medical Center, Gallup; Zuni Hospital, Zuni; Crownpoint IHS, Gallup; |
|  | Los Alamos Medical Center, Los Alamos, Dulce Health Center, Dulce; Christus St. Vincent. Santa Fe; Alta Vista Regional Hospital, Las Vegas; Miners' Colfax Medical Center, Raton          |
|  | Quest Diagnostic Laboratory, Albuquerque  |
|  | Gerald Champion, Alamogordo   |
|  | Artesia General Hospital, Artesia; Carlsbad Medical Center, Carlsbad; Lea Regional Medical Center, Hobbs; Eastern New Mexico Medical Center, Roswell                                      |

\* Data is not representative of all facilities in New Mexico

# Influenza Hospitalizations, NM & US, 2016-2017



# Influenza and Pneumonia Deaths, NM, 2014-2016

| Season    | Year to date (YTD) P & I Deaths | Pneumonia Deaths | Adult Flu Deaths | Pediatric Flu Deaths | Total P & I Deaths |
|-----------|---------------------------------|------------------|------------------|----------------------|--------------------|
| 2016-2017 | 39                              | 29               | 10               | 0                    | 39*                |
| 2015-2016 | 190                             | 159              | 30               | 1                    | 190                |
| 2014-2015 | 185                             | 152              | 32               | 1                    | 185                |

**Pneumonia death:** Is defined as have a cause of death that related to pneumonia & influenza (P & I) not including: aspiration pneumonia, pneumonitis, or pneumococcal meningitis.

**Influenza death:** Is defined as have a cause of death that related to pneumonia & influenza (P & I) not including: parainfluenzae or *Haemophilus influenzae*.

\*There are significant reporting delays and counts represent cases reported to date by the NMDOH BVRHS or OMI

# Vaccination Information

Still Need to Get Your Flu Shot?

HealthMap Vaccine Finder:

<http://vaccine.healthmap.org/>

To use HealthMap Vaccine Finder you'll need internet access and the zip code in which you wish to get vaccinated.

Or

Contact your local public health office:

<https://nmhealth.org/location/public/>

## Antiviral Information and Data

Persons at higher risk for influenza complication recommended for antiviral treatment include:

- Children aged younger than 2 years & adults aged 65 years and older
- Persons with chronic medical conditions
- Persons with immunosuppression, including that caused by medications or by HIV infection
- Women who are pregnant or postpartum (within 2 weeks after delivery)
- Persons aged younger than 19 years who are receiving long-term aspirin therapy
- American Indians/Alaska Natives
- Persons who are morbidly obese (i.e., BMI is 40 or greater)
- Residents of nursing homes and other chronic-care facilities

# Appendix

\*Geographic spread is based on CDCs activity estimates definitions. For more information visit: <http://www.cdc.gov/flu/weekly/overview.htm>

| Health Region | Participating Sentinel Sites<br>(Facility name, City)   |
|---------------|---|
| Northwest     | San Juan Regional Medical Center, Farmington and Acoma-Canoncito-Laguna Indian Health Hospital, Acoma   |
| Northeast     | Raton Family Practice Associates, Raton; Taos-Picuris Indian Health Clinic, Taos; Pecos Valley Medical Center, Pecos; La Familia Medical Clinics, Santa Fe; Los Alamos Family Care Clinic, Los Alamos; Jicarilla Apache Indian Health Clinic, Dulce; Children's Clinic PA, Los Alamos; Miner's Colfax Medical Center, Raton |
| Metro         | 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   |
| Southwest     | 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; New Mexico Mining and Technology Institute, Socorro                               |
| Southeast     | Carlsbad Medical Center, Carlsbad; Lea Regional Medical Center, Hobbs; Eastern New Mexico Medical Center, Roswell; Roosevelt General Hospital Clinic, Portales  |

In accordance with New Mexico Administrative Code (NMAC) 7.4.3.13 Influenza is a reportable condition for the following:

- Influenza, laboratory confirmed hospitalizations only
- Influenza-associated pediatric death
- Acute illness or condition of any type involving large numbers of persons in the same geographic area (outbreaks)
- Other illnesses or condition of public health significance (novel influenza A)

For more information on reportable conditions please visit:

<http://www.nmcpr.state.nm.us/nmac/parts/title07/07.004.0003.htm>



Report published by New Mexico Department of Health (NMDOH), Epidemiology and Response Division (ERD) Infectious Disease Epidemiology Bureau (IDEB)

For questions, please call 505-827-0006. For more information on influenza go to the NMDOH web page:

<https://nmhealth.org/about/erd/ideb/isp/> Or The CDC web page: <http://www.cdc.gov/flu/index.htm>