

Seasonal Influenza (Flu)

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CDC's WHO Collaborating Center

Overview of Influenza Surveillance in the United States

Current United States Flu Activity Map

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Communications Resource Center

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Outbreak Investigations

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What's this?



Influenza Types

Seasonal

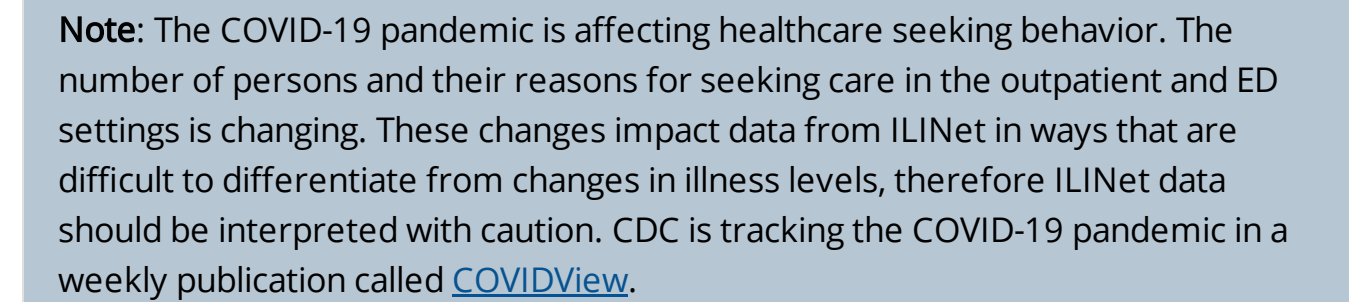
Pandemic

Avian

Swine

Influenza in Animals

Weekly U.S. Influenza Surveillance Report



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Note: The COVID-19 pandemic is affecting healthcare seeking behavior. The number of persons and their reasons for seeking care in the outpatient and ED settings is changing. These changes impact data from ILINet in ways that are difficult to differentiate from changes in illness levels, therefore ILINet data should be interpreted with caution. CDC is tracking the COVID-19 pandemic in a weekly publication called [COVIDview](#).

Key Updates for Week 16, ending April 18, 2020

Laboratory confirmed flu activity as reported by clinical laboratories is now low. Influenza-like illness activity continues to decrease and is below the national baseline. The percent of deaths due to pneumonia or influenza (P&I) is high but the increase is due primarily to COVID-19, not influenza. Reported pediatric flu deaths for the season are high at 169.

Viruses

Clinical Labs

The percentage of respiratory specimens testing positive for influenza at clinical laboratories is 0.4%.

Public Health Labs

Nationally, influenza A(H1N1)pdm09 viruses are now the most commonly

Virus Characterization

Reporting of genetic and antigenic characterization and

Illness

Outpatient Illness: ILINet

Visits to health care providers for influenza-like illness (ILI) decreased from 2.8% last week to 2.2% this week. Nationally, ILI is below baseline, but 4 of 10 regions are above their baselines.

Outpatient Illness: ILINet Activity Map

The number of jurisdictions experiencing high or very high ILI activity decreased from 12 last week to 8 this week.

Geographic Spread

The number of jurisdictions reporting regional or widespread influenza activity decreased from 17 last week to 10 this week.

Severe Disease

Hospitalizations

The overall cumulative hospitalization rate for the season

P&I Mortality

The percentage of deaths attributed to pneumonia and influenza is 11.4%, down from 14.5% last week.

Pediatric Deaths

One influenza-associated pediatric death occurring during the 2019-2020 season.

All data are preliminary and may change as more reports are received.

A description of the CDC influenza surveillance system, including methodology and detailed descriptions of each data component is available on the [surveillance methods](#) page.

Additional information on the current and previous influenza seasons for each surveillance component are available on [FluView Interactive](#).

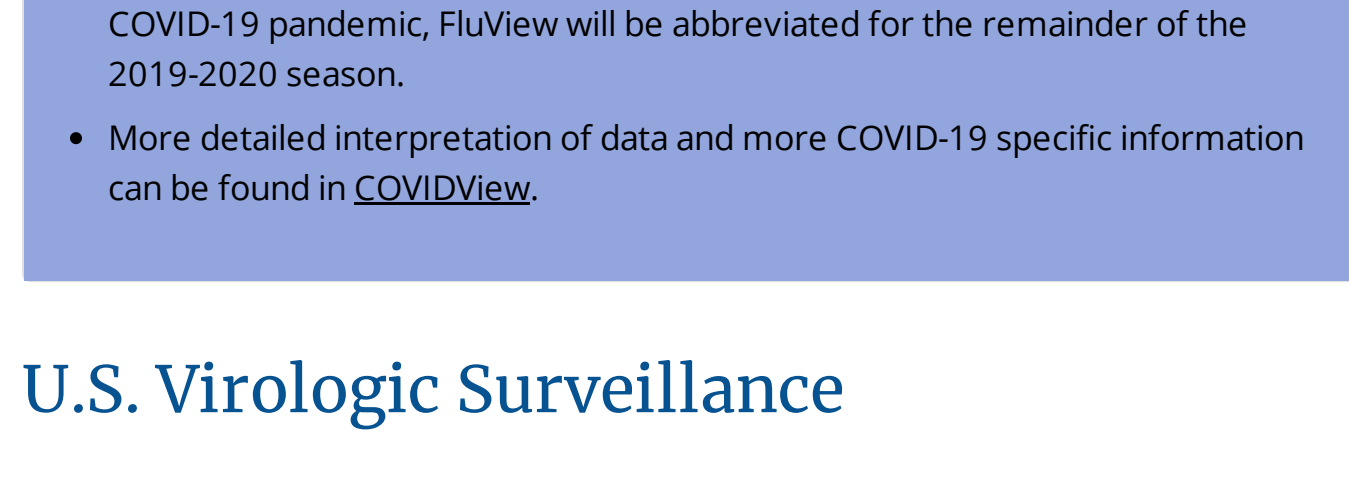
Key Points

- Nationally, influenza activity is now low.
- With ongoing declines in influenza activity and the continued effects of the COVID-19 pandemic, FluView will be abbreviated for the remainder of the 2019-2020 season.
- More detailed interpretation of data and more COVID-19-specific information can be found in [COVIDview](#).

U.S. Virologic Surveillance

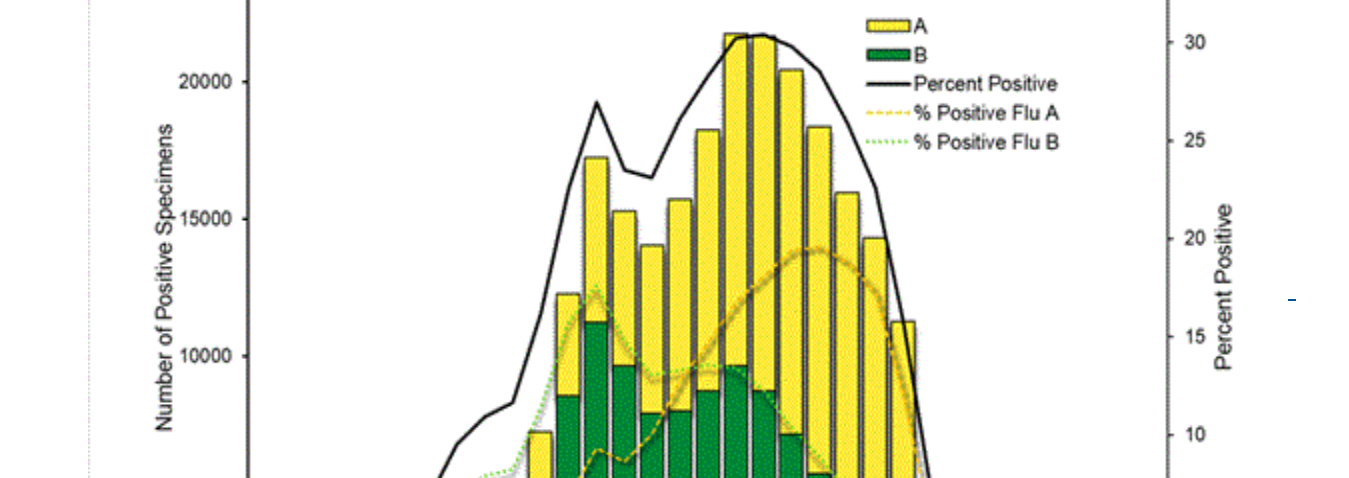
Clinical Laboratories

The results of tests performed by clinical laboratories nationwide are summarized below. Data from clinical laboratories (the percentage of specimens tested that are positive for influenza) are used to monitor whether influenza activity is increasing or decreasing.



Public Health Laboratories

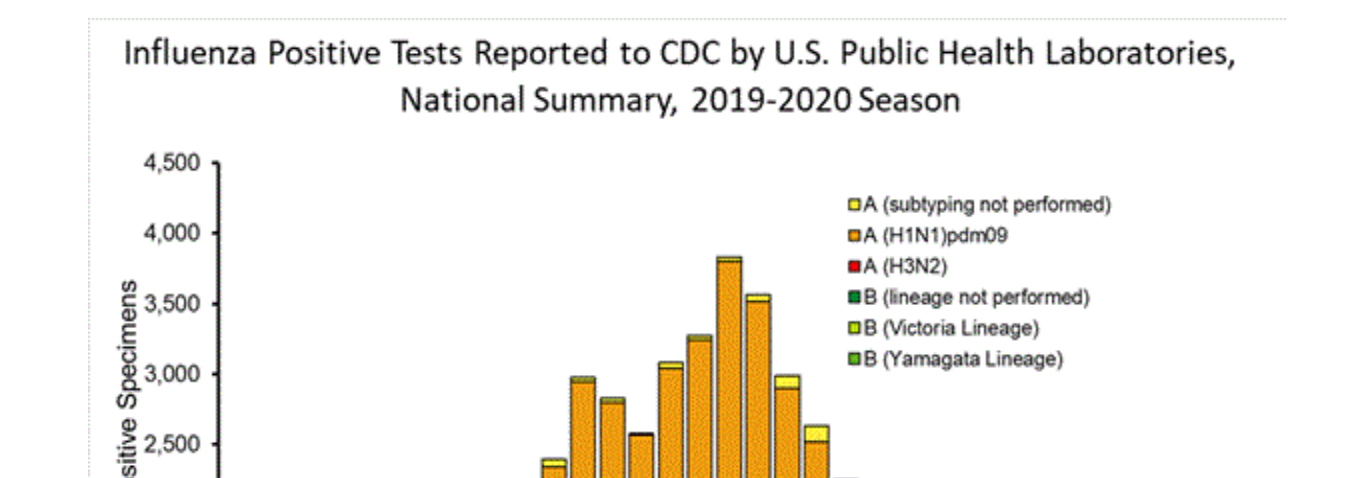
The results of tests performed by public health laboratories nationwide are summarized below. Data from public health laboratories are used to monitor the proportion of circulating viruses that belong to each influenza subtype/lineage.



Outpatient Illness Surveillance

ILINet

Nationwide during week 16, 2.2% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). This percentage is below the national baseline of 2.4%.



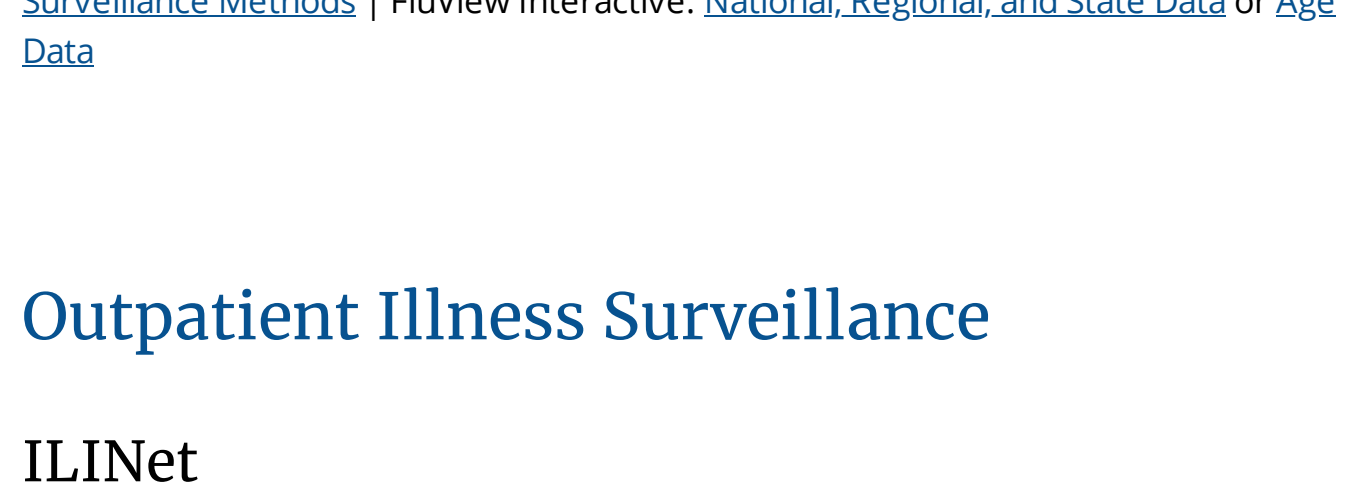
On a regional level, the percentage of outpatient visits for ILI ranged from 1.1% to 5.4% during week 16. The percent of outpatient visits for ILI decreased in all regions compared to last week. Regions 1, 2, 3, and 10 reported a percentage of outpatient visits for ILI above their region-specific baselines. All other regions are below their region-specific baselines.

ILI Activity Map

Data collected in ILINet are used to produce a measure of [ILI activity](#) by state.

During week 16, the following ILI activity levels were experienced:

- Very High – one state (New Jersey)
- High – the District of Columbia, New York City, and five states (Connecticut, Louisiana, Maryland, Massachusetts, and New York)
- Moderate – Puerto Rico and two states (Idaho and Wisconsin)
- Low – eight states (Georgia, Illinois, New Mexico, Oklahoma, Pennsylvania, South Carolina, Vermont, and Virginia)
- Minimal – 34 states (Alabama, Alaska, Arizona, Arkansas, California, Colorado, Delaware, Florida, Hawaii, Indiana, Iowa, Kansas, Kentucky, Maine, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, Nevada, New Hampshire, North Carolina, North Dakota, Ohio, Oregon, Rhode Island, South Dakota, Tennessee, Texas, Utah, Washington, West Virginia, and Wyoming)
- Data were insufficient to calculate an ILI activity level from the U.S. Virgin Islands.



*Data collected in ILINet may disproportionately represent certain populations within a state, and therefore, may not accurately depict the full picture of influenza activity for the whole state. Differences in the data presented here by CDC and independently by some state health departments likely represent differing levels of data completeness with data presented by the state likely being the more complete.

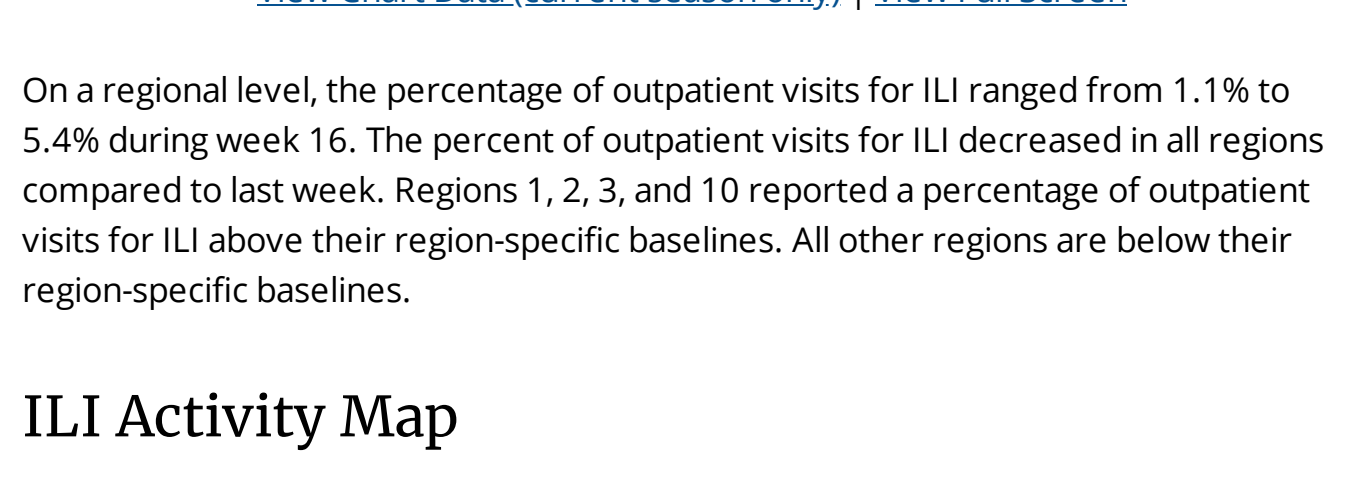
Additional information about medically attended visits for ILI for current and past seasons: [Surveillance Methods](#) | [FluView Interactive: National, Regional, and State Data or ILI Activity Map](#)

Geographic Spread of Influenza as Assessed by State and Territorial Epidemiologists

The influenza activity reported by state and territorial epidemiologists indicates geographic spread of influenza viruses but does not measure the severity of influenza activity.

During week 16, the following influenza activity was reported:

- Regional – Puerto Rico and 9 states (Georgia, Idaho, Indiana, Louisiana, Maryland, Nevada, South Carolina, Tennessee and Wisconsin)
- Local – 12 states (Alabama, Arizona, Maine, Massachusetts, Montana, New Hampshire, New Jersey, North Carolina, Ohio, Oklahoma, Pennsylvania and Virginia)
- Sporadic – the District of Columbia, the U.S. Virgin Islands and 26 states (Alaska, Arkansas, California, Colorado, Connecticut, Florida, Hawaii, Illinois, Iowa, Kansas, Kentucky, Michigan, Minnesota, Mississippi, Missouri, Nebraska, Nevada, New Hampshire, North Dakota, Oregon, South Dakota, Texas, Utah, Vermont, Washington, West Virginia, and Wyoming)
- No Activity – three states (Delaware, New Mexico and Rhode Island)
- Guam did not report.



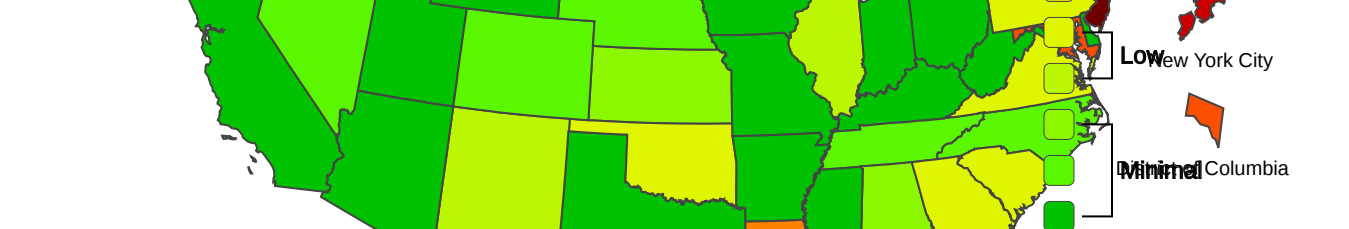
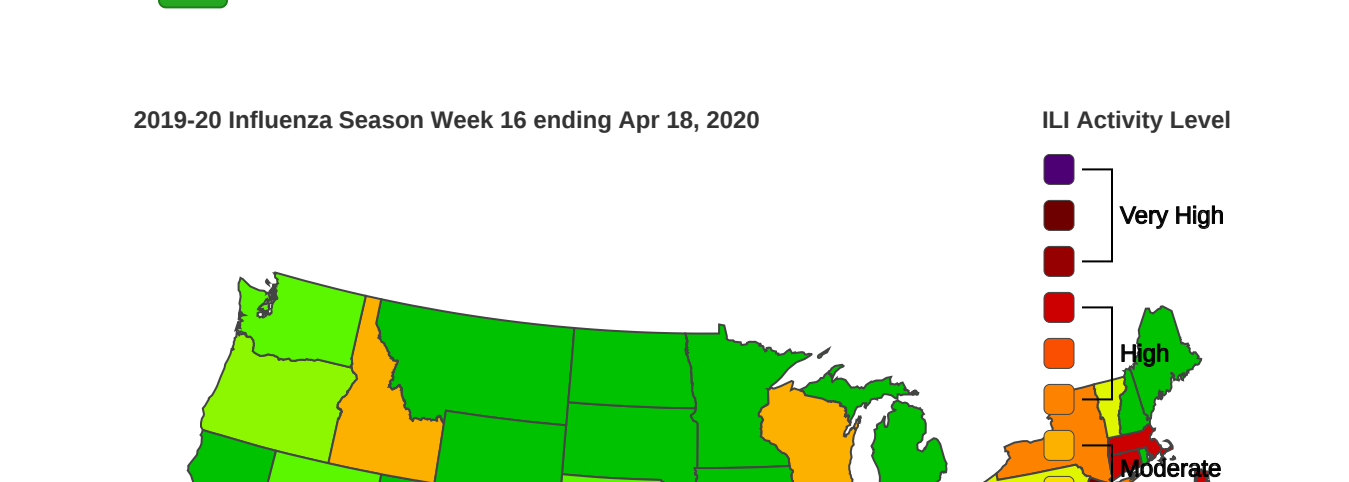
*This map indicates geographic spread and does not measure the severity of influenza activity.

Additional geographic spread surveillance information for current and past seasons: [Surveillance Methods](#) | [FluView Interactive](#)

Influenza-Associated Hospitalizations

The Influenza Hospitalization Surveillance Network (FluSurv-Net) conducts population-based surveillance for laboratory-confirmed influenza-related hospitalizations in select counties in the Emerging Infections Program (EIP) states and Influenza Hospitalization Surveillance Project (IHSP) states.

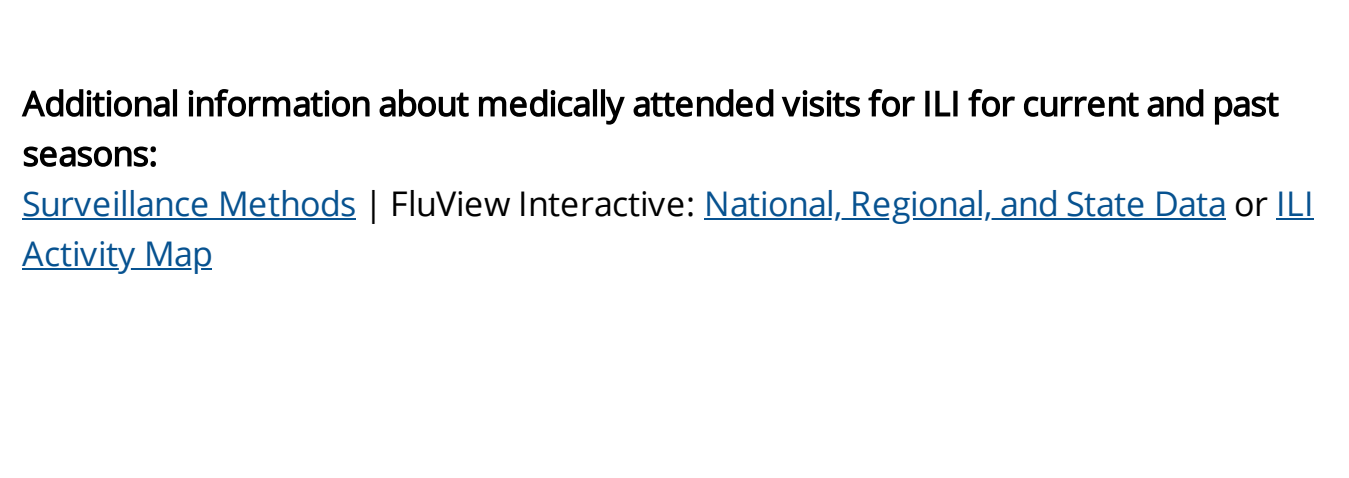
A total of 19,932 laboratory-confirmed influenza-associated hospitalizations were reported by FluSurv-Net sites of between October 1, 2019 and April 18, 2020 with a cumulative hospitalization rate of 68.6 per 100,000 population.



Additional hospitalization surveillance information for current and past seasons and additional age groups: [Surveillance Methods](#) | [FluView Interactive: Rates by Age or Patient Characteristics](#)

Pneumonia and Influenza (P&I) Mortality Surveillance

Based on National Center for Health Statistics (NCHS) mortality surveillance data available on April 23, 2020, 11.4% of the deaths occurring during the week ending April 18, 2020 (week 16) were due to P&I. This percentage is above the epidemic threshold of 6.9% for week 16.

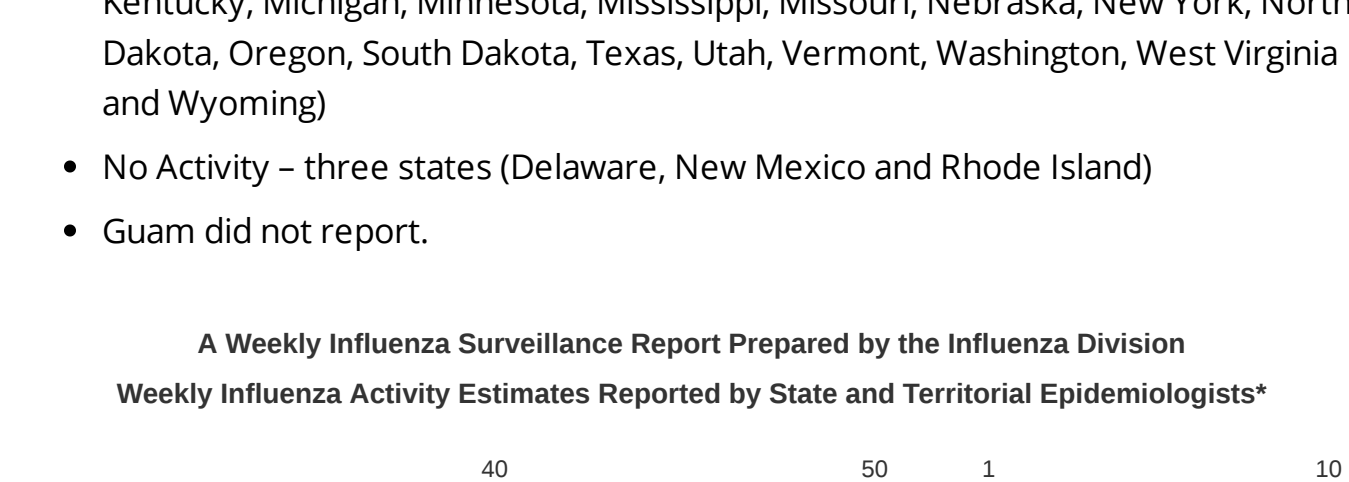


Additional pneumonia and influenza mortality surveillance information for current and past seasons: [Surveillance Methods](#) | [FluView Interactive](#)

Influenza-Associated Pediatric Mortality

One influenza-associated pediatric death occurring during the 2019-2020 season was reported to CDC during week 16. It was associated with an influenza B virus with no lineage determined and occurred during week 5 (the week ending February 1, 2020).

A total of 169 influenza-associated pediatric deaths occurring during the 2019-2020 season were reported to CDC.



Additional pediatric mortality surveillance information for current and past seasons: [Surveillance Methods](#) | [FluView Interactive](#)

Additional National and International Influenza Surveillance Information

FluView Interactive: FluView includes enhanced web-based interactive applications that can provide dynamic visuals of the influenza data collected and analyzed by CDC. These FluView Interactive applications allow people to create customized, visual interpretations of influenza data, as well as make comparisons across flu seasons, regions, age groups and a variety of other demographics. To access these tools, visit <http://www.cdc.gov/flu/weekly/fluviewinteractive.htm>

National Institute for Occupational Safety and Health: Monthly surveillance data on the prevalence of health-related workplace absenteeism among full-time workers in the United States are available from NIOSH at <https://www.cdc.gov/niosh/topics/absences/default.html>

U.S. State and local influenza surveillance:Select a jurisdiction below to access the latest local influenza information

- Alabama
- Alaska
- Arizona
- Arkansas
- California
- Colorado
- Connecticut
- Delaware
- District of Columbia
- Florida
- Georgia
- Hawaii
- Idaho
- Illinois
- Indiana
- Iowa
- Kansas
- Kentucky
- Louisiana
- Maine
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Mississippi
- Missouri
- Montana
- Nebraska
- Nevada
- New Hampshire
- New Jersey
- New Mexico
- New York
- North Carolina
- North Dakota
- Ohio
- Oklahoma
- Oregon
- Pennsylvania
- Rhode Island
- South Carolina
- South Dakota
- Tennessee
- Texas
- Utah
- Vermont
- Virginia
- Washington
- West Virginia
- Wisconsin
- Wyoming
- New York City
- Puerto Rico
- Virgin Islands

World Health Organization: Additional influenza surveillance information from participating WHO member nations is available through [FluNet](#) and the [Global Epidemiology Reports](#).

WHO Collaborating Centers for Influenza: located in [Australia](#), [China](#), [Japan](#), the [United Kingdom](#), and the [United States](#) (CDC in Atlanta, Georgia).