Department of HEALTH & HUMAN SERVICES | Division of Public Health

Bureau of Infectious Disease Control
Infectious Disease Surveillance Section

Weekly Surveillance Report for Influenza and Respiratory Syncytial Virus
Week Ending April 25, 2026
MMWR Week 16

The NH Department of Health and Human Services (DHHS) provides weekly influenza surveillance reports during the traditional influenza season, which starts at the beginning of October and continues through mid-May. The 2025–26 influenza season began on 9/28/2025.

Summary for New Hampshire

	Influenza-Like Illness (ILI)	Acute Respiratory Illness (ARI)	Pneumonia and Influenza-Like Illness (ILI) Related Deaths	Respiratory Specimens Submitted to the Laboratory	Flu Activity**
Week 16	0.8% = decrease from previous week	4.3% = decrease from previous week	4.9% (below threshold*)	2 Total: ▪ 1 positive for B/Victoria ▪ 1 negative	Sporadic

**Epidemic threshold = 8.8%*

*** Flu Activity was characterized as Sporadic for Week 16 (ending 4/25/26) and Sporadic for Week 17 (ending 5/02/26)*

New Hampshire Surveillance

Outpatient Illness Surveillance

The two components of outpatient illness surveillance in New Hampshire are as follows:

1. **U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet)**: Beginning in 1997, NH has participated in this collaborative effort between the Centers for Disease Control and Prevention, state and local health departments, and health care providers. For the 2025-26 influenza season, 22 NH health care providers are participating. Types of ILINet providers enrolled in NH during the current season include family practices, student health services, community health centers, and emergency departments. Participating providers report the proportion of patients who present with influenza-like illness (ILI) on a weekly basis. ILI is defined as 1) a fever and 2) cough and/or sore throat. Participating providers are also asked to collect respiratory specimens from select patients and submit them to the PHL for viral subtyping.
2. **New Hampshire Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE)**: This surveillance system is a collaborative effort between NH acute care hospitals and NH DHHS. During Week 16, all 26 hospitals electronically transmitted data from emergency department encounters to NH DHHS. The system is queried each week for discharge diagnosis (DD) codes related to acute respiratory illnesses that are more likely to be attributable to viral infections, such as influenza, COVID-19, and respiratory syncytial virus (RSV). While ARI includes encounters that are due to each of these respiratory viruses, it also includes encounters for other DD codes such as acute bronchitis, acute pharyngitis (with fever), certain types of pneumonia, cough with fever, and other viral respiratory illnesses.

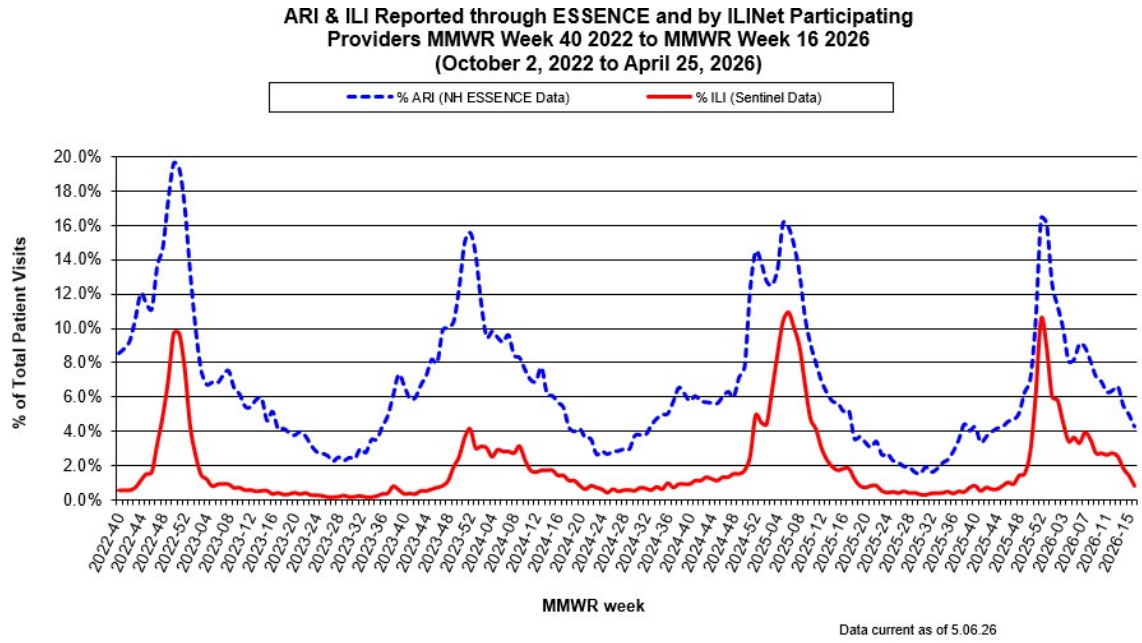
Because these two systems collect information using different methods and represent different patient populations, it is expected that the proportions of ILI and ARI seen in these systems will differ. However, the overall trend of activity is expected to be similar.

Percentage of Patient Visits for ILI or ARI at Providers and/or Hospitals during Week 16 (4/19/26 - 4/25/26)

Measure (Source)*	No. of providers and/or hospitals reporting data	No. of patient visits for ILI or ARI	Total no. of patient visits reported during timeframe	% of visits for ILI		% of visits for ARI	Change from Previous Week
ILI (ILINet)	20	65	8,153	0.8%			-0.6%
ARI (ESSENCE)	21	418	9,792			4.3%	-0.7%

* ILI = Influenza-like illness, defined as 1) a fever and 2) cough and/or sore throat.
* ARI = acute respiratory illness (see p. 1 for description).

Maps illustrating the degree of ARI activity for each of the ten counties for week 16 and week 17 are available on the NH DHHS influenza activity informational page at https://www.dhhs.nh.gov/programs-services/disease-prevention/infectious-disease-control/influenza-flu/influenza-activity.



Laboratory Surveillance

The NH Public Health Laboratories (PHL) receives respiratory specimens for influenza testing from health

Results of Specimens Received by the PHL and Cumulative Totals for the 2025-26 Influenza Season

	Week 16 (4/19/26–4/25/26)		YTD (9/28/25–5/02/26)	
Results	# specimens	% of total positive	# specimens	% of total positive
Influenza A (H3)	0	0	386	38.3
Influenza A (H1N1)pdm09	0	0	74	7.3
Influenza A, subtyping not completed$^{\Omega}$	0	0	486	48.2
Influenza B/Victoria	1	100.0	60	5.9
Influenza B/lineage not completed$^{\Omega}$	0	0	3	0.3
Negative for influenza	1		479	
Total	2		1,488	

Ω Subtyping or lineage was either not performed or unsuccessful due to low viral titer

care providers and hospitals throughout the State. Testing is important to identify circulating influenza viral subtypes and to confirm specimens that test positive by rapid test.

Hospital Clinical Laboratory Influenza Results

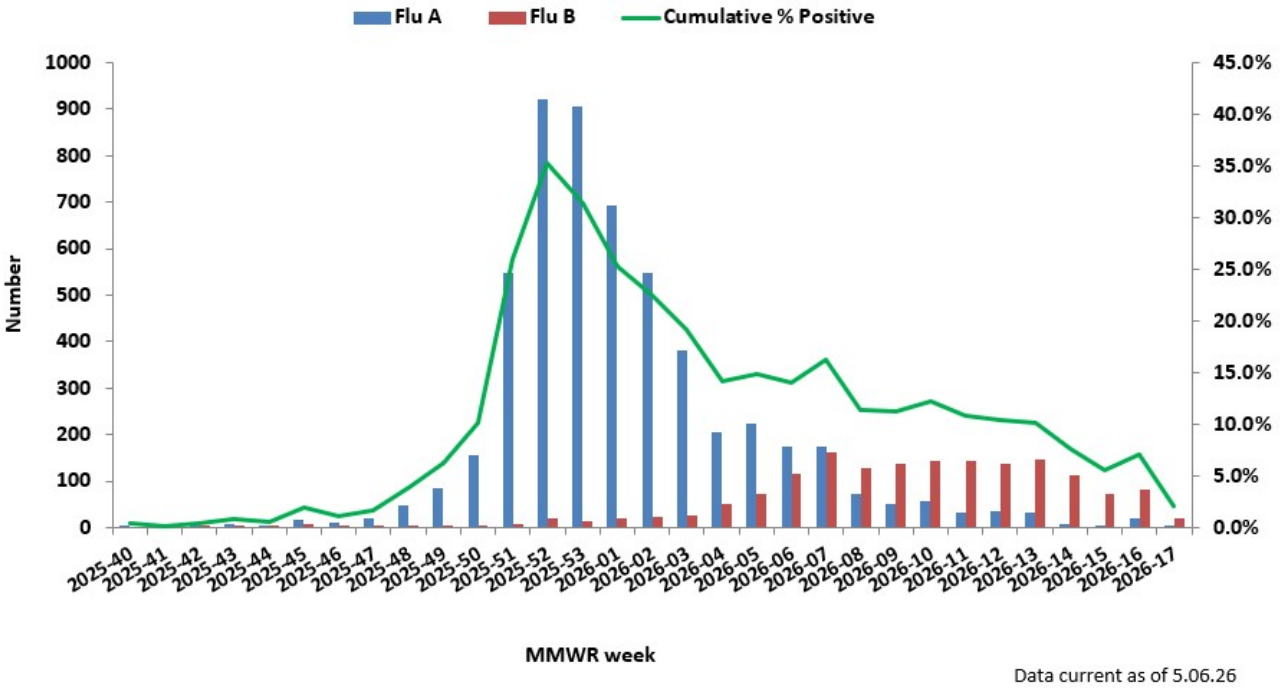
The following table reports influenza test results from participating hospital clinical laboratories throughout the state. Clinical laboratory test results are for specimens collected from patients who present with respiratory illness and may be generated by a variety of assays, including real-time polymerase chain reaction (RT-PCR) or rapid influenza diagnostic tests (RIDT). Currently there are 12 clinical laboratories that participate in submitting weekly influenza results. Results were reported for 1,454 specimens tested during week 16, and 102 (7.0%) were positive for influenza (increase compared to 5.5% the previous week).

Results of Specimens Tested by Hospital Clinical Laboratories and Cumulative Totals for the 2025-26 Influenza Season

	Week 16 (4/19/26-4/25/26) PCR-based		YTD (9/28/25–5/02/26) PCR-based	
Results	# specimens	% of positive	# specimens	% of positive
Influenza A	19	18.6	5,449	76.6
Influenza B	83	81.4	1,658	23.3
Influenza A/B Coinfection	0	0	2	<0.1
Negative	1,352		44,955	
Total tested	1,454		52,064	

The chart below illustrates the weekly number and percentage of specimens that have tested positive at hospital clinical laboratories that reported during the period spanning week 40 through week 17.

Influenza Positive Tests Reported to NH DHHS by Hospital Clinical Laboratories, 2025-2026 Season to Date

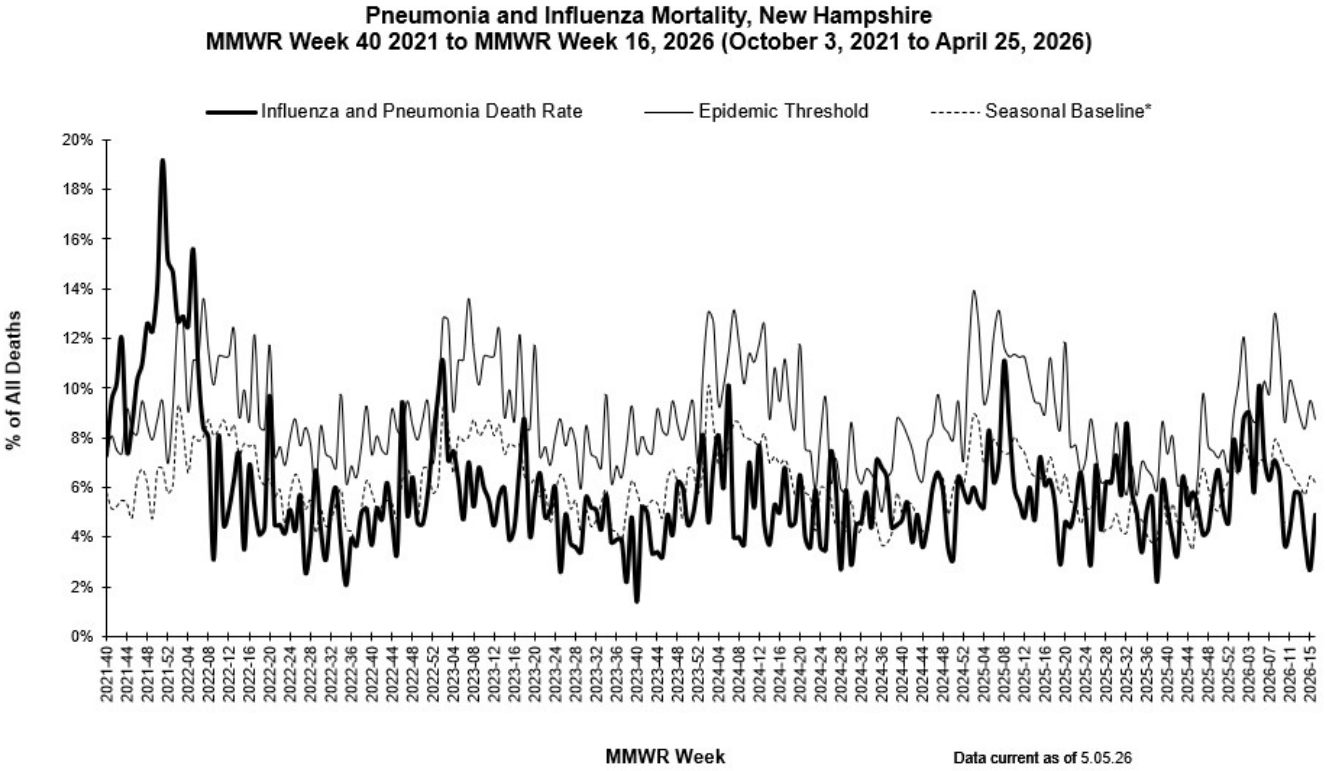


Data current as of 5.06.26

Pneumonia and Influenza (P&I) Mortality

Pneumonia and Influenza (P&I) deaths in New Hampshire are identified through review of electronically filed death certificates by looking at the causes of death listed on each death certificate. The graph below, which shows the proportion of deaths attributed to P&I, represents all deaths recorded by NH's Division of Vital Records Administration. This includes resident and non-resident deaths that occurred within the State, and may not include deaths of NH residents that occurred out-of-state, or cases being investigated by the Medical Examiner's Office.

- ❑ 4.9% of all deaths recorded in NH were reported as due to P&I. This is below the epidemic threshold of 8.8%.
- ❑ Seventy-three influenza-related deaths have been identified so far this influenza season, including two pediatric influenza-related deaths. The counties of residence for the persons with identified influenza-related deaths are Belknap, Carroll, Cheshire, Coos, Grafton, Hillsborough, Merrimack, Rockingham, Strafford, and Sullivan. Due to delays in electronic filing of death certificates, newly identified deaths in the last week may have occurred at any point during the flu season and not necessarily within the last week.



**Seasonal baseline is calculated using the previous 5 years of data. If the proportion of P&I deaths for a given week exceeds the baseline value for that week by a statistically significant amount (1.645 standard deviations), then P&I deaths are said to be above the epidemic threshold, and the proportion of deaths above threshold are considered attributable to influenza.*

Influenza Activity in New Hampshire as Assessed by the State Epidemiologist

The weekly reporting to the CDC of Geographic Spread of influenza Activity has been discontinued. Although the flu activity level will not be reported weekly to CDC, the DHHS will continue to characterize this variable and include it in these NH weekly influenza reports.

- ❑ Overall influenza activity in NH for week 16 was **sporadic**.
- ❑ Influenza activity in NH for week 17 was **sporadic**.

Reported flu activity level is based on ILI reported by the participating providers and ESSENCE surveillance systems, reported outbreaks in facilities, and reports of laboratory confirmed influenza.

Influenza activity levels are defined by CDC as follows:

- **No Activity:** Low ILI activity and no laboratory-confirmed cases of influenza.
- **Sporadic:** Low ILI activity and isolated laboratory-confirmed influenza cases or a single influenza outbreak has been reported.
- **Local:** Increased ILI activity or influenza outbreaks in a single region of the state, and recent laboratory-confirmed influenza in that region.
- **Regional:** Increased ILI activity or influenza outbreaks in ≥ 2, but less than half of state regions, and recent laboratory-confirmed influenza in affected regions.
- **Widespread:** Increased ILI activity or influenza outbreaks in at least half of state regions, and recent laboratory-confirmed influenza in the state.

National Surveillance

- ❑ Seasonal influenza activity continues to decrease.
- ❑ The most frequently reported influenza viruses this week were influenza B.
- ❑ The proportion of outpatient visits for influenza-like illness (ILI) was 1.8%, which is below the national baseline of 3.1%. All HHS regions are below their respective baselines during week 16.
- ❑ The most recent week for which national percentage of deaths due to pneumonia, influenza, and/or COVID-19 (PIC) in the National Center for Health Statistics (NCHS) Mortality Surveillance System was available was Week 14, at which time this was at 5.4%, which is below threshold (7.1%).
- ❑ Six influenza-associated pediatric deaths occurring during the 2025-2026 season were reported to CDC during Week 16. Five of the deaths were associated with influenza A viruses. Four of the influenza A viruses had subtyping performed; one was an A(H1N1) virus and three were A(H3N2) viruses. One death was associated with an influenza B virus with no lineage determined. A total of 155 influenza-associated pediatric deaths occurring during the 2025-2026 season have been reported to CDC. Among children who were eligible for influenza vaccination and had a known vaccination status, approximately 85% of reported pediatric deaths this season occurred in children who were not fully vaccinated against influenza.

Laboratory Surveillance

Public Health laboratories located in all 50 states and Washington D.C. reported specimens testing positive during week 16 for influenza viruses, as follows:

Flu Season	Influenza A (H1N1) pdm09	Influenza A (H3N2)	Influenza A(H5)	Influenza A - Subtyping not performed	Influenza B – Victoria lineage	Influenza B – lineage not performed	Percentage of Specimens Testing Positive
Week 16 2025-26	17 (9.4%)	30 (16.6%)	0 (0%)	7 (3.9%)	44 (24.3%)	83 (45.9%)	**181/523 (34.6%)**

Novel Influenza A Virus Infections

No new confirmed human infections with avian influenza A(H5) virus were reported to CDC this week. To date, person-to-person transmission of avian influenza A(H5) virus (H5 bird flu) has not been identified in the United States. An up-to-date human case summary during the current A(H5) outbreak by state and exposure source is available at www.cdc.gov/bird-flu/situation-summary/index.html

More information about avian influenza is available at https://www.cdc.gov/flu/avianflu/index.htm

Antigenic Characterization

CDC has antigenically characterized 720 influenza viruses since September 28, 2025, including 223 A(H1N1)pdm09 viruses, 355 A(H3N2) viruses, and 142 B/Victoria lineage viruses. No B/Yamagata lineage viruses were available for antigenic characterization. The CDC characterizes antigenicity by how well antibodies made against the vaccine strains recognize circulating virus that have been grown in cell culture. Of the characterized viruses, the vaccine antibodies recognized:

- 99% of influenza A(H1N1)pdm09 samples with cell-grown and recombinant-based vaccine antibodies
- 2% of influenza A(H3N2) samples with cell-grown and recombinant-based vaccine antibodies
- 34% of influenza B/Victoria samples with cell-grown and recombinant-based vaccine antibodies

Antiviral Resistance

CDC assesses susceptibility of influenza viruses to antiviral medications including the neuraminidase inhibitors (oseltamivir, zanamivir, and peramivir) and the PA endonuclease inhibitor baloxavir. Viruses collected in the United States since September 28, 2025, were tested for antiviral susceptibility as follows:

	N*	Resistant Viruses, Number (%) Oseltamivir	N*	Resistant Viruses, Number (%) Peramivir	N*	Resistant Viruses, Number (%) Zanamivir	N*	Resistant Viruses, Number (%) Baloxavir
InfluenzaA(H1N1)pdm09	854	22 (2.6%)	854	8 (0.9%)	854	0 (0%)	826	0 (0%)
Influenza A (H3N2)	2299	2 (0.1%)	2299	0 (0%)	2299	0 (0%)	2304	0 (0%)
Influenza B/Victoria	947	0 (0%)	947	2 (0.2%)	947	0 (0%)	932	0 (0%)

*N equals the number of viruses tested.

Respiratory syncytial virus

Respiratory syncytial virus, or RSV, is a common respiratory virus that usually causes mild, cold-like symptoms. Most people recover in a week or two, but RSV can be serious, especially for infants and older adults. Virtually all children get an RSV infection by the time they are 2 years old, and it is the most common cause of bronchiolitis (inflammation of the small airways in the lung) and pneumonia (infection of the lungs) in children younger than 1 year of age in the United States.

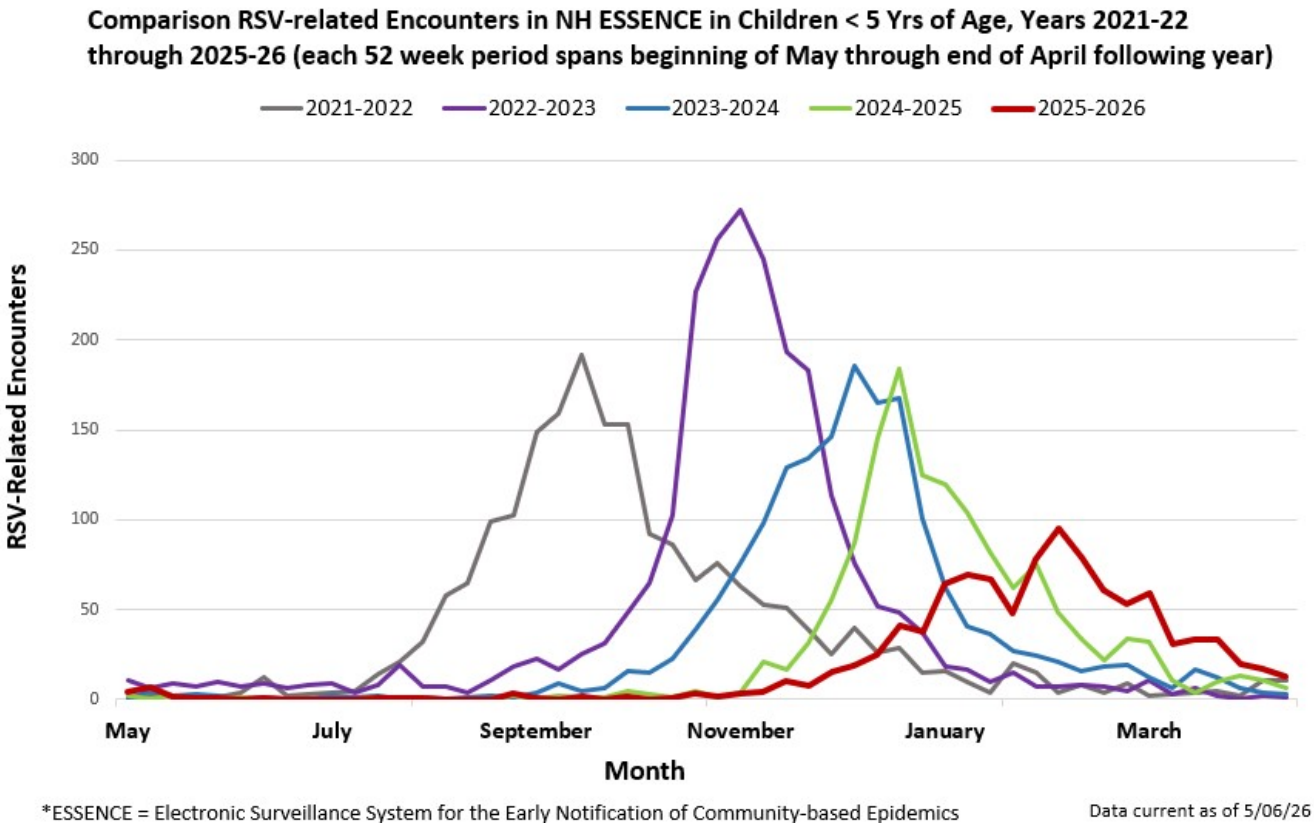
RSV is a common cause of hospitalization in children younger than 5 years old, and each year an estimated 58,000-80,000 children in this age group are hospitalized due to RSV. Those at greatest risk for severe illness from RSV include:

- premature infants
- infants, especially those 6 months and younger
- children younger than 2 years old with chronic lung disease or congenital heart disease
- children with weakened immune systems
- children who have neuromuscular disorders, including those who have difficulty swallowing or clearing mucus secretions

Prior to 2020, seasonal patterns for RSV in the United States were very consistent, typically beginning in the fall, peaking in the winter, and decreasing to inter-seasonal levels in the spring. However, the patterns of circulation for RSV and other common respiratory viruses have been disrupted since the start of the COVID-19 pandemic early in 2020.

The NH DHHS conducts syndromic surveillance to help characterize RSV activity in children younger than 5 years, by querying chief complaint text for patient emergency department encounters in NH's 26 acute care hospitals that transmit data into NH ESSENCE (see page 1 for description). To identify such

encounters, each week chief complaint text field is queried for the terms “RSV”, “respiratory sync”, and “syncy”. This query also identifies patient encounters with ICD-10 discharge diagnosis codes that are specific to RSV*. The weekly number of RSV-related encounters identified in children < 5 years of age



across all 26 acute care hospitals is displayed in the chart above. Each uniquely colored line represents a 52 week period spanning from MMWR Week 18 (beginning of May) of the first year through MMWR Week 17 (end of April) of the following year. Data are displayed for the current 2025-26 period as well as the 4 previous 52-week periods (beginning with 2021-22).

Additional resources for RSV can be found on the CDC website at the following URLs.

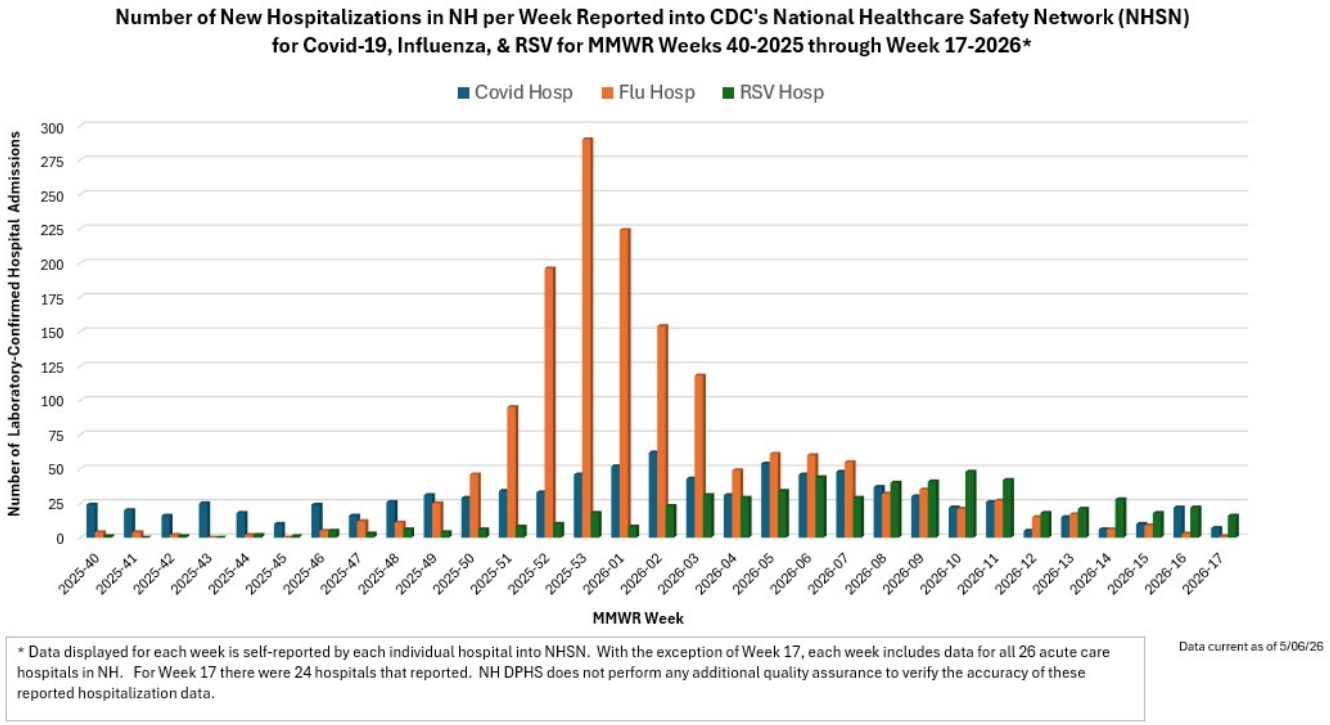
https://www.cdc.gov/rsv/index.html

https://www.cdc.gov/rsv/php/surveillance/rsv-net.html

* ICD-10 codes used to identify RSV-related encounters include: J21.0 (acute bronchiolitis due to respiratory syncytial virus), J20.5 (acute bronchitis due to respiratory syncytial virus), B97.4 (respiratory syncytial virus as the cause of diseases classified elsewhere), and J12.1 (respiratory syncytial virus pneumonia).

Hospital Respiratory Data Reported in NH to National Healthcare Safety Network (NHSN)

Each of the 26 acute care hospitals in NH report weekly to the National Healthcare Safety Network (NHSN) the number of patients with laboratory-confirmed Covid-19, influenza, and RSV who were admitted to the hospital. The weekly number of new hospitalizations reported for patients who tested positive for each of these three viruses during the period spanning week 40 through week 17 of 2026 is displayed in the chart below.



* Data displayed for each week is self-reported by each individual hospital into NHSN. With the exception of Week 17, each week includes data for all 26 acute care hospitals in NH. For Week 17 there were 24 hospitals that reported. NH DPHS does not perform any additional quality assurance to verify the accuracy of these reported hospitalization data.

Data current as of 5/06/26

Report Date: 5/06/26
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All data in this report are based upon information provided to the New Hampshire Department of Health and Human Services under specific legislative authority. The numbers reported may represent an underestimate of the true absolute number and incidence rate of cases in the state. The unauthorized disclosure of any confidential medical or scientific data is a misdemeanor under New Hampshire law. The department is not responsible for any duplication or misrepresentation of surveillance data released in accordance with this guideline.