

RESPIRATORY TREND REPORT

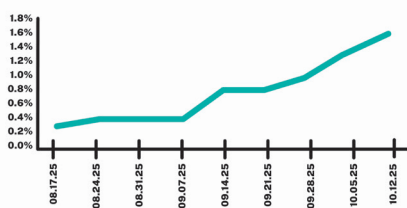
Respiratory virus activity is beginning to show early seasonal shifts across the U.S. While Rhinovirus/Enterovirus continues to be the most commonly detected virus, its positivity rate continues to decline from its late summer peak at 42.1% in August. Parainfluenza viruses (types 1-4) are steadily increasing, now at 8.8%, signaling early seasonal activity. Adenovirus detection dipped slightly to 2.5%, while Respiratory Syncytial Virus (RSV) is showing a gradual rise nationally to 1.6%, with significantly higher levels observed in parts of the Southeast - reaching 6.8% in Florida and 6.0% in Alabama. COVID-19 (SARS-CoV-2) continues its post-summer decline, dropping to 1.6%, and Enterovirus D68 remains stable at 3.0%. Influenza A and B activity remains low overall but is beginning to climb, now at 1.0% nationally, with Alabama reporting the highest positivity rates at 3.1%.

- ▶ **Rhinovirus/Enterovirus:** Remains dominant but decreased to **31.1%**.
- ▶ **Parainfluenza (types 1-4):** Increased from **8.5%** to **8.8%**, continuing to rise early in the respiratory season.
- ▶ **Adenovirus:** Slight decrease from previous weeks from **2.7** to **2.5%**.
- ▶ **Respiratory Syncytial Virus (RSV):** Increase to **1.60%**, with levels reaching as high as **6.8%** last week in Florida and **6.0%** in Alabama.
- ▶ **COVID-19 (SARS-CoV-2):** Declined from **2.0%** to **1.6%**, consistent with tapering circulation after summer peaks.
- ▶ **Enterovirus D68:** Remained steady at **3.0%** positivity.
- ▶ **Influenza A & B:** Increase to **1.0%**, with the highest positivity rate noted in Alabama at **3.1%** positivity.

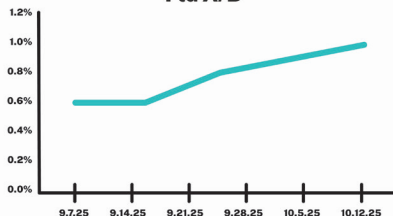
HTRx Seasonal Outlook

- ▶ **Rhinovirus/Enterovirus** is expected to remain a major driver of respiratory illness through October but is not expected to significantly climb as RSV and Influenza begin to more widely circulate and dominate the respiratory landscape.
- ▶ **Parainfluenza virus** is showing modest growth and may contribute more substantially to early fall cases.
- ▶ **COVID-19** continues to wane but should be monitored closely for potential shifts with seasonal changes.
- ▶ **RSV and Influenza** are continuing to climb with higher positivity rates already noted in certain states, such as Alabama, Florida, Illinois, Louisiana, and Texas.

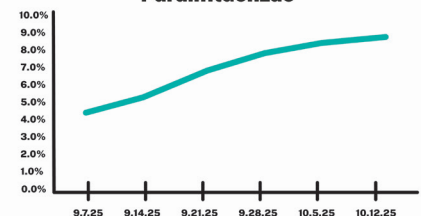
Respiratory Syncytial Virus



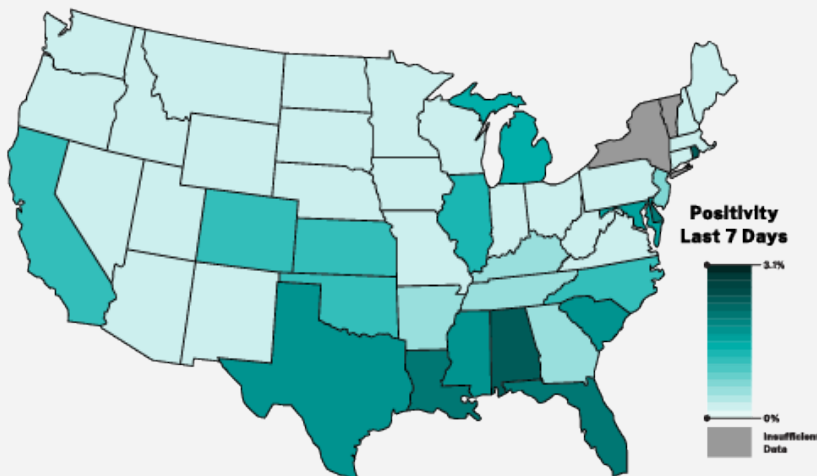
Flu A/B



Parainfluenzae



7 Day Positivity Rate of Influenza A,B



Trending Up

- ▶ Parainfluenza virus (types 1, 2, 3, 4)
- ▶ Respiratory syncytial virus (RSV)
- ▶ Influenza A&B

Trending Down

- ▶ Rhinovirus/Enterovirus
- ▶ Adenovirus
- ▶ COVID-19 Coronavirus (SARS-CoV-2)

Remaining Level

- ▶ Coronavirus (229E, NL63, OC43, and HKU1)
- ▶ Human metapneumovirus



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