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KORGENE

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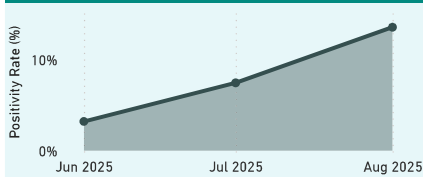
Respiratory Pathogen Trend Report

Powered by Vikor Scientific COVID-19 and Respira-ID™ Test Panels

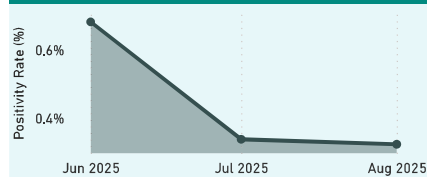
June - Aug 2025

Data Source: All test results are derived from Vikor Scientific's COVID-19 and Respira-ID™ test panels.

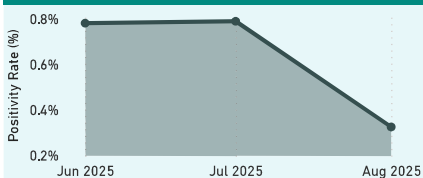
COVID-19 Positivity Rate SARS-CoV-2



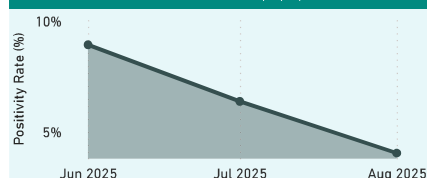
RSV Positivity Rate Human Respiratory Syncytial Virus



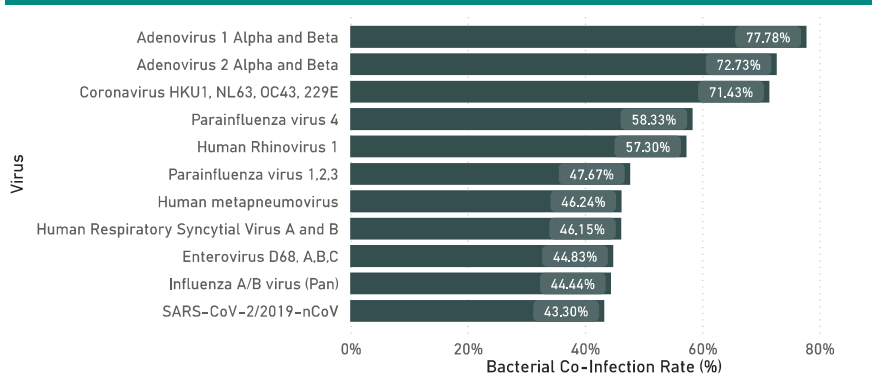
Influenza Positivity Rate Influenza A and B virus type



Parainfluenza Positivity Rate Parainfluenza viruses 1, 2, 3, and 4



Bacterial Co-infection Rates Among Viral-Positive Patients Percentage with concurrent bacterial infections



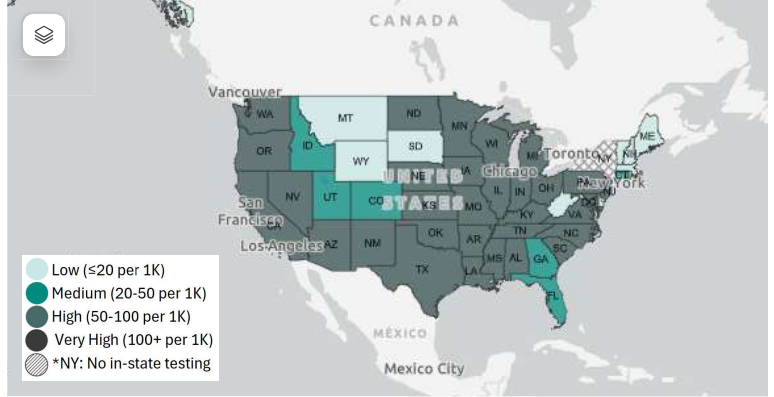
Overall Patient Positivity Rate

67.00%
Patients with at least one positive test

Overall Co-Infection Rate

27.85%
Patients with at least two pathogens detected

Patient Positivity Rates by State Patients with positive respiratory test results per 1,000 tested



Pathogen Trend Activity

Trending Up
• COVID-19 (SARS-CoV-2)
• Staphylococcus aureus

Moderate Activity

- Parainfluenza virus 4
- RSV A and B
- Influenza A and B virus
- Human Rhinovirus 1
- Adenovirus 1 Alpha and Beta
- Adenovirus 2 Alpha and Beta
- Enterovirus D68, A,B,C
- Haemophilus influenzae
- Chlamydomphila pneumoniae
- Mycoplasma pneumoniae
- Bordetella pertussis
- Streptococcus pyogenes Group A
- Coronavirus HKU1, NL63, OC43, 2229E
- Human metapneumovirus

Trending Down
• Parainfluenza virus 1,2,3

Esri, TomTom, FAC, NOAA, USGS Powered by Esri

Key Trends

COVID-19 (SARS-CoV-2): Sustained upward trajectory from June through August, rising from approximately 8% to 13%.

RSV (Human Respiratory Syncytial Virus): Sharp decline from 0.6% in June to near-zero levels by August, demonstrating typical summer seasonal reduction with minimal circulation during warmer months.

Influenza A and B virus types: Maintained relatively low activity levels, declining from approximately 0.8% in June to 0.3% by August, consistent with expected summer seasonal patterns.

Parainfluenza (viruses 1, 2, 3, and 4): Steady decrease from approximately 9% in June to 4% in August, showing consistent downward trend throughout the three-month period, reflecting reduced circulation during summer months.

Footnotes:

1. Overall Positivity Rate: percentage of patients who tested positive for any respiratory pathogen; patients may have been tested for multiple pathogens
2. Overall Co-Infection rate: percentage of patients testing positive for multiple pathogens; includes any combination of viral and bacterial respiratory pathogens detected in the same patient
3. Bacterial Co-infection Rate: percentage of viral-positive patients who also tested positive for bacterial pathogens
4. Patient Positivity Rate Per State: number of patients with at least one positive test per 1,000 patients tested by state. Geographic analysis based on patient state of residence at time of testing.
5. Pathogen Trend Activity: Trending Up/Down indicates statistically significant increases/decreases greater than 2 percentage points per month on average. 'Moderate Activity' indicates changes within +2 percentage points per month

Disclaimer: Data provided "as is" for informational purposes only and not intended for clinical treatment guidance.

