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KORGENE

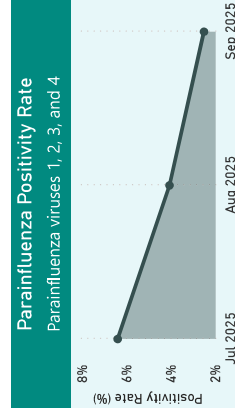
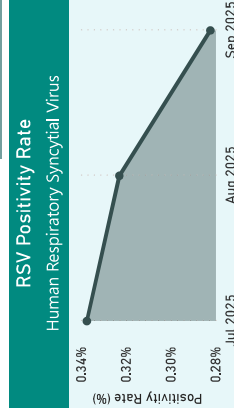
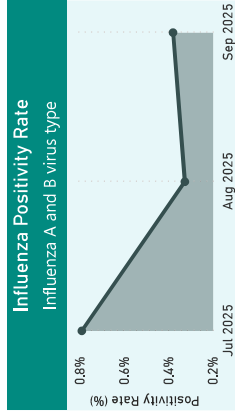
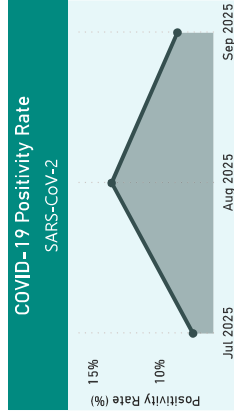
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Respiratory Pathogen Trend Report

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

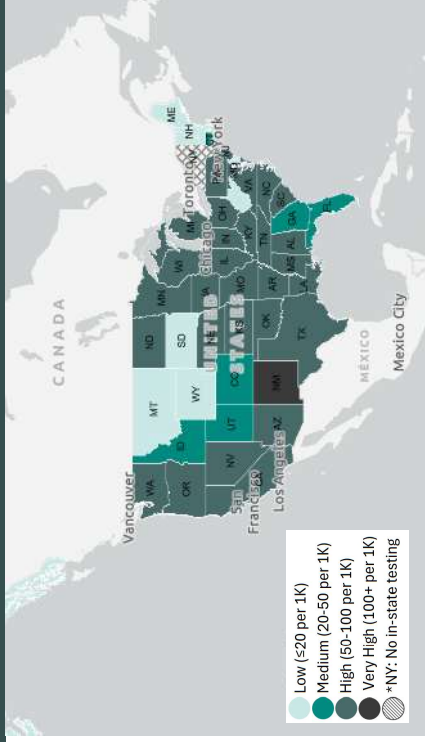
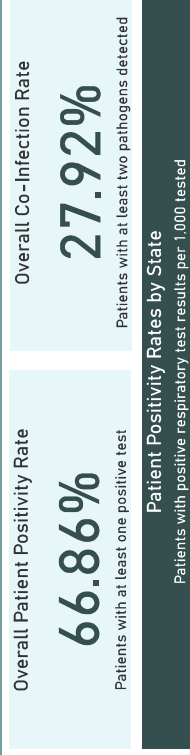
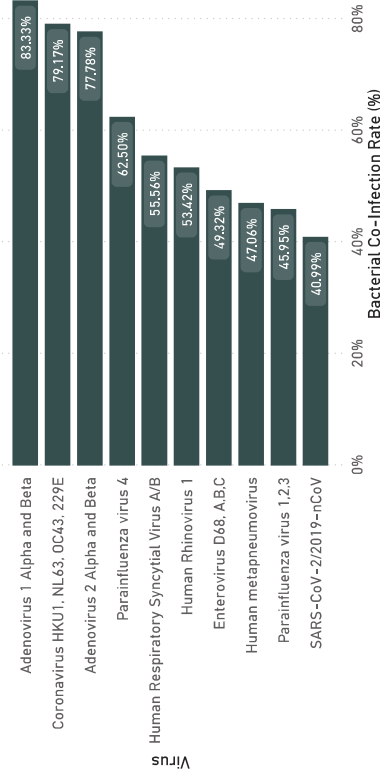
Jul - Sep 2025

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



Bacterial Co-infection Rates Among Viral-Positive Patients

Percentage with concurrent bacterial infections



Esri, TomTom, FAO, NOAA, USGS

Key Trends

COVID-19 (SARS-CoV-2): Sustained upward trajectory from July through September, rising from approximately 7.5% to 13.5%, demonstrating continued circulation with modest but consistent increases during the late summer period.

RSV (Human Respiratory Syncytial Virus): Sharp decline from 0.34% in July to near-zero levels by September, 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 July to 0.4% by September, consistent with expected summer seasonal patterns.

Parainfluenza (viruses 1, 2, 3, and 4): Steady decrease from approximately 6% in July to 2% in September, showing consistent downward trend throughout the three-month period, reflecting reduced circulation during summer months.

Pathogen Trend Activity

Pathogen	Trending Up	Change in Positivity (%)
Human Rhinovirus 1		+14.5%
Enterovirus D68, A, B, C		+4.0%

Moderate Activity

Pathogen	Moderate Activity	Change in Positivity (%)
Adenovirus 2 Alpha and Beta		+0.1%
Streptococcus pyogenes (Group A)		+0.1%
Chlamydia pneumoniae		+0.5%
Streptococcus pneumoniae		+0.6%
SARS-CoV-2/2019-nCoV		+1.2%
Legionella pneumophila		0.0%
Adenovirus 1 Alpha and Beta		-0.1%
Coronavirus HKU1, NL63, OC43, 229E		-0.1%
Human Respiratory Syncytial Virus A/B		-0.1%
Mycoplasma pneumoniae		-0.1%
Bordetella pertussis		-0.3%
Influenza A/B virus (Pan)		-0.4%
Parainfluenza virus 4		-0.4%
Klebsiella pneumoniae		-1.7%

Trending Down

Pathogen	Trending Down	Change in Positivity (%)
Staphylococcus aureus		-5.0%
Haemophilus influenzae		-4.8%
Parainfluenza virus 1, 2, 3		-3.5%
Human metapneumovirus		-2.5%

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: Trends compare the first and last month of data for selected time period. 'Trending Up/Down' indicates increases/decreases $\pm$ 2%. 'Moderate Activity' indicates changes within $\pm$ 2% per month

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

