

Respiratory Surveillance Report: December 2023

1/18/2023

Key Messages

1. Influenza cases increased quickly in December but trended downward towards the end of the month. Covid-19 and RSV cases have both remained steady throughout the month.
2. CDC now estimates that the JN.1 variant of Covid-19 will become the dominant variant in the coming weeks. This variant is similar to the previously dominant variant (HV.1) and is no more deadly or infectious.
3. The most recent wastewater sample (1/4/2024) may indicate another uptick in Covid-19 cases in the coming weeks.
4. For each case of Covid-19, there are approximately 1.06 new cases.¹
5. For each case of Influenza, there are approximately 1.30 new cases.²
6. For each case of RSV, there are approximately 3 new cases.³

Respiratory Disease Cases

11/26/2022 – 1/1/2023 & 11/26/2023-1/1/2024

Figure 1. Respiratory Disease Cases (2022)

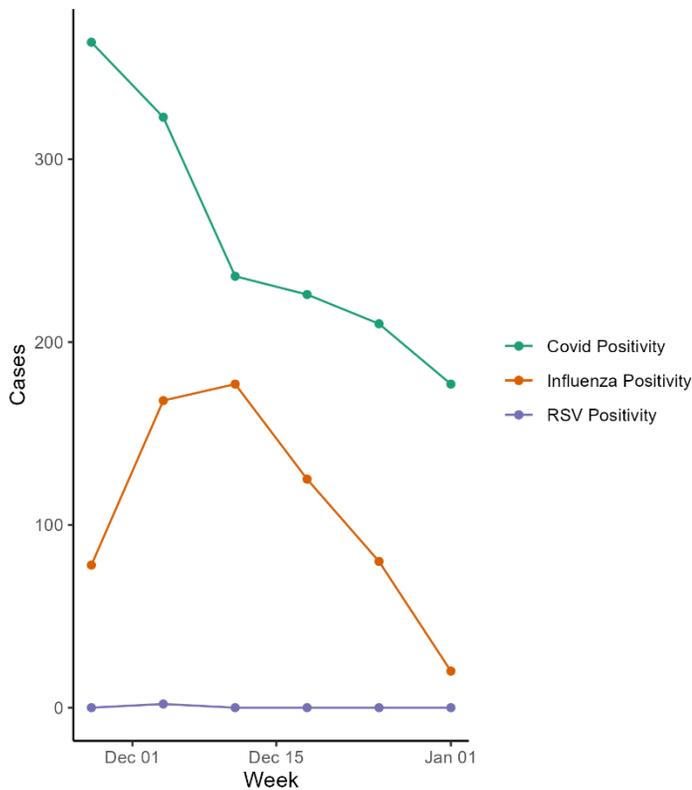
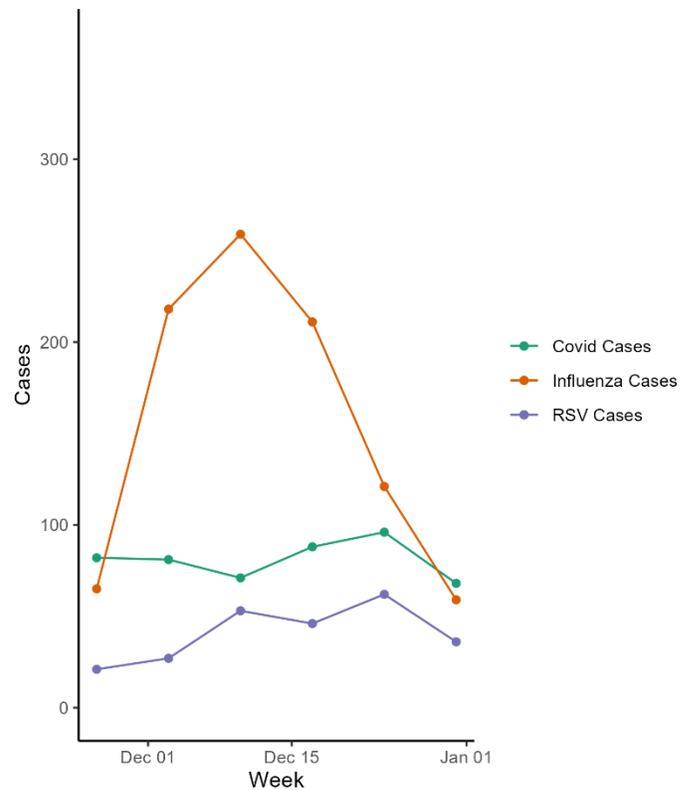


Figure 2. Respiratory Disease Cases (2023)

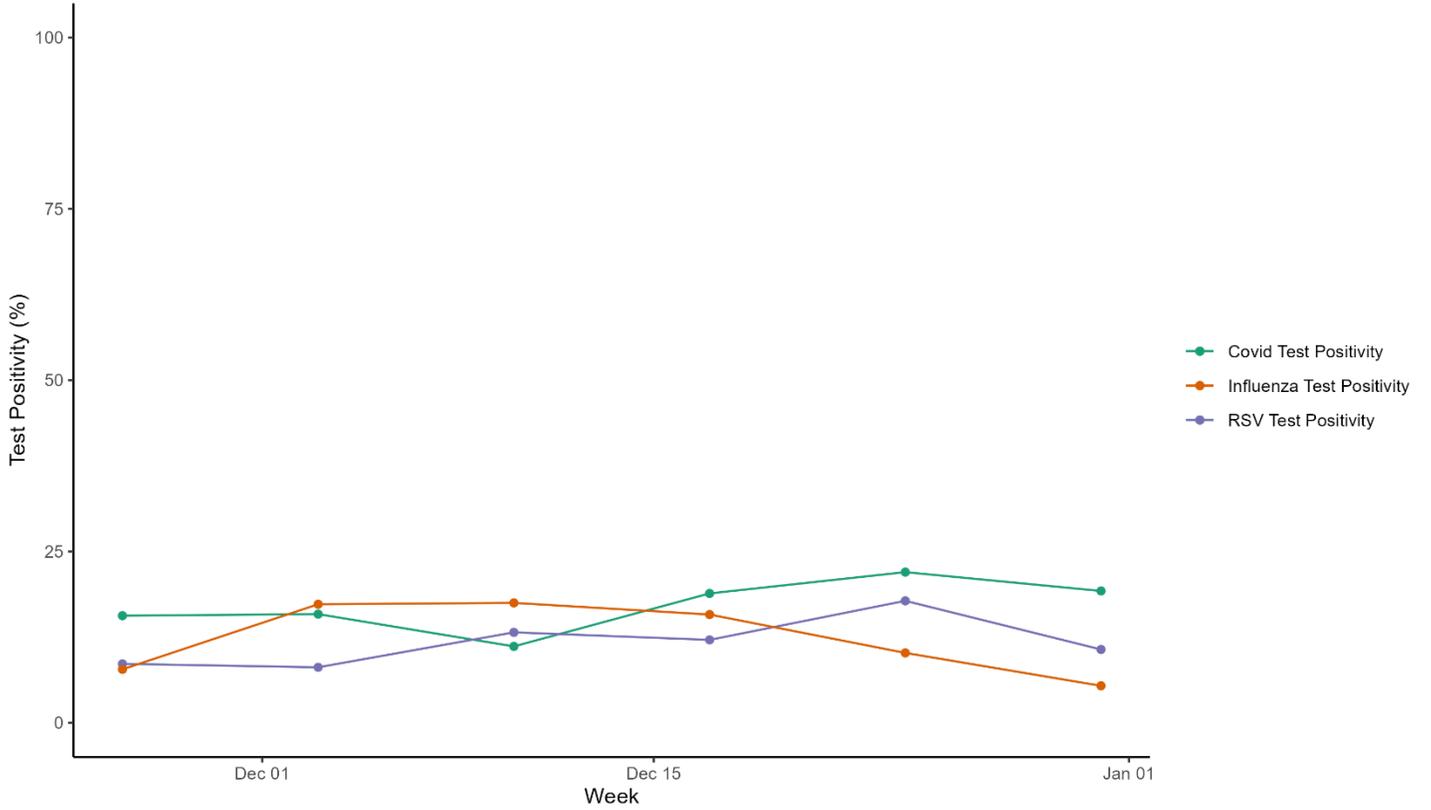


Data Sources: CalREDIE & CalCONNECT

Respiratory Disease Test Positivity

11/26/2023-1/1/2024

Figure 3. Respiratory Disease Test Positivity (2023)



Data Sources: CalREDIE & CalCONNECT

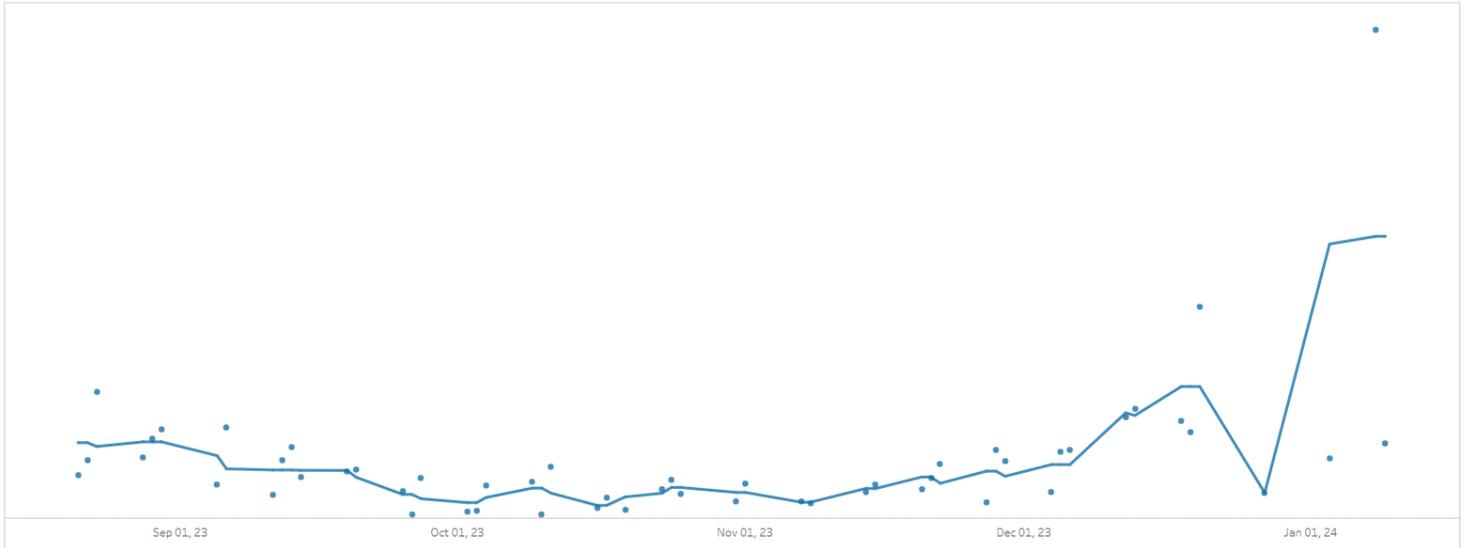
Wastewater Surveillance in Kings County (COVID-19)₄

SARS-CoV-2/PMMoV: 8/2/2023-1/4/2023

SARS-CoV-2 Concentrations: Kings (Hanford)

Concentration Unit: SARS-CoV-2/PMMoV

Data Source: CDPH Drinking Water and Radiation Lab



Data Sources: CDPH Cal-SuWers Dashboard

CDC Variant Tracker (COVID-19)₅

SARS-CoV-2: 12/24/2023-1/6/2024

Nowcast Estimates for COVID-19 Variants (CDC), 12/24/23-1/6/24	
Variant (Omicron)	Percent
JN.1	61.6 %
HV.1	14.8 %
JD1.1	4.1 %
HK.3	4.0%
JG.3	3.7%
BA.2.86	2.8%
EG.5	2.4%
FL.1.5.1	1.0%

References

1. <https://calcat.covid19.ca.gov/cacovidmodels/>
2. <https://pubmed.ncbi.nlm.nih.gov/25186370/>
3. <https://pubmed.ncbi.nlm.nih.gov/27716828/>
4. <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/COVID-19/CalSuWers-Dashboard.aspx>
5. <https://covid.cdc.gov/covid-data-tracker/#variant-summary>