

Des Moines WRF Raw Influent

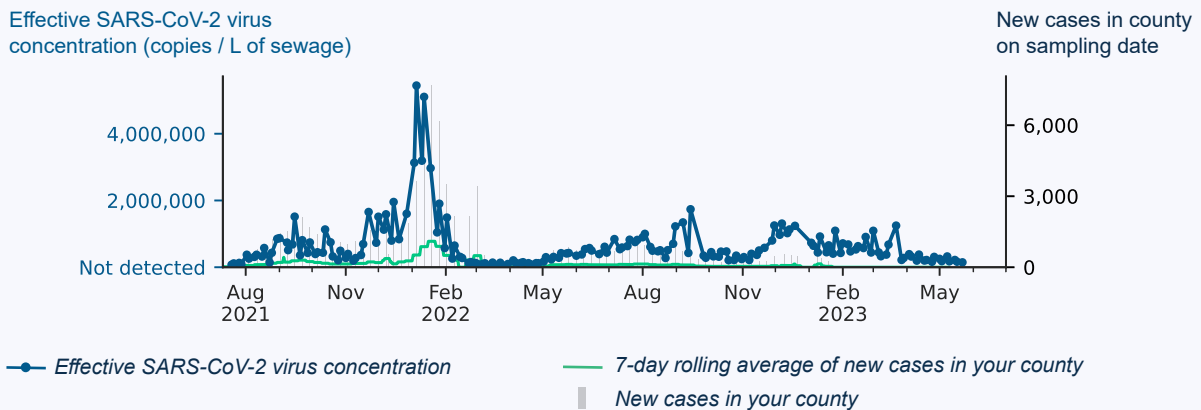
Sample collection date: **May 22, 2023**

SARS-CoV-2 virus in wastewater

| | | |
|-----------------|---|--|
| DETECTED | Virus concentration (copies per liter of sewage) 232,330 | Effective* virus concentration (copies per liter of sewage) 146,419 |
|-----------------|---|--|

**Effective virus concentration value is derived by adjusting the raw virus concentration to account for dilution and other factors.*

Effective virus concentration over time



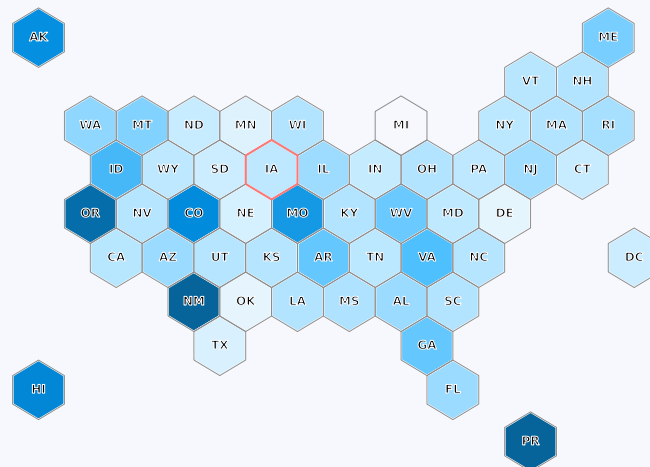
Overview of effective virus concentration levels

State-level mean of samples (collected in the past 2 weeks)

lower higher

Color indicates effective virus concentration level

Your state outlined in red



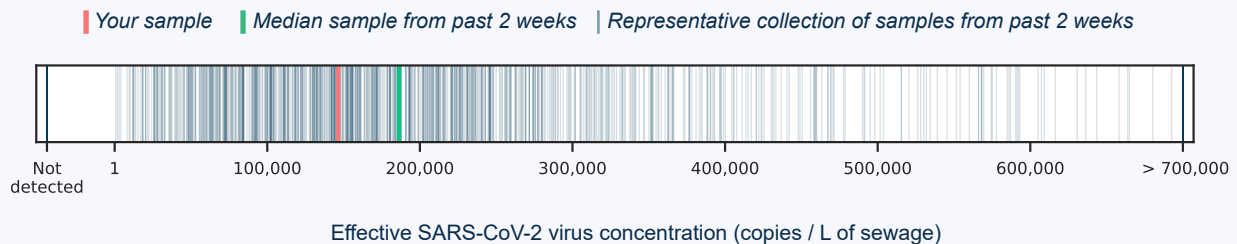
Wastewater concentration tiers

Wastewater concentrations of SARS-CoV-2 span an extremely wide range, from less than 10,000 virus copies per liter (c/L) of wastewater to over 1,000,000 c/L. Biobot's community wastewater tiers help guide interpretation of wastewater concentration values from wastewater treatment plants, pump stations, and manholes. For more information, please consult our [Covid-19 community wastewater tiers interpretive guide](#).

| Wastewater tier | Effective concentration (copies/L) | Level of SARS-CoV-2 activity in the community |
|-----------------|------------------------------------|---|
| Tier 1 | < 10,000 | Low |
| Tier 2 | 10,000-100,000 | Moderate |
| Tier 3 | 100,000-1,000,000 | Substantial |
| Tier 4 | > 1,000,000 | High |

Effective virus concentrations in comparison

Your sample has higher concentration levels than **37%** of all quantifiable samples collected in the past two weeks.



Learn more about Biobot's protocols and methodology by visiting <http://www.biobot.io/covid19-report-notes>