

# Des Moines WRF Raw Influent

Sample collection date: **April 12, 2023**

## SARS-CoV-2 virus in wastewater

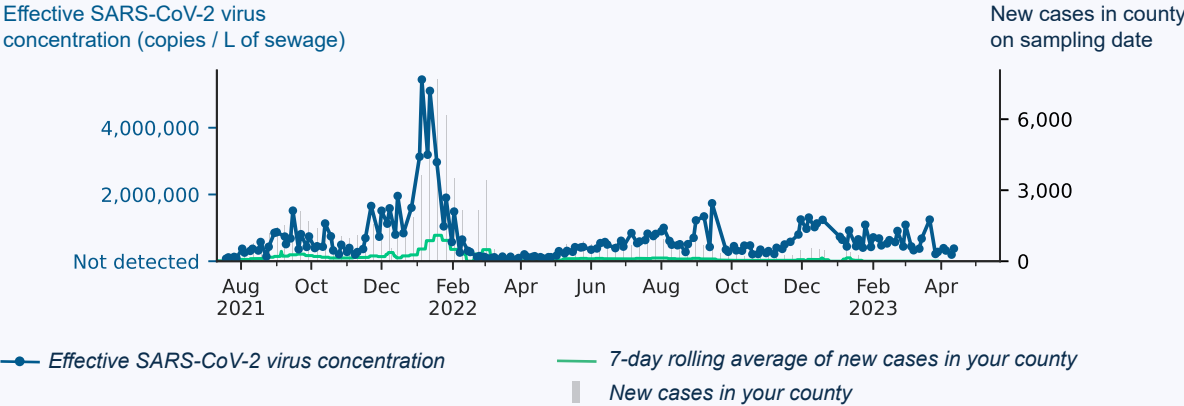
**DETECTED**

Virus concentration  
 (copies per liter of sewage)  
**599,838**

Effective\* virus concentration  
 (copies per liter of sewage)  
**379,282**

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

### Effective virus concentration over time



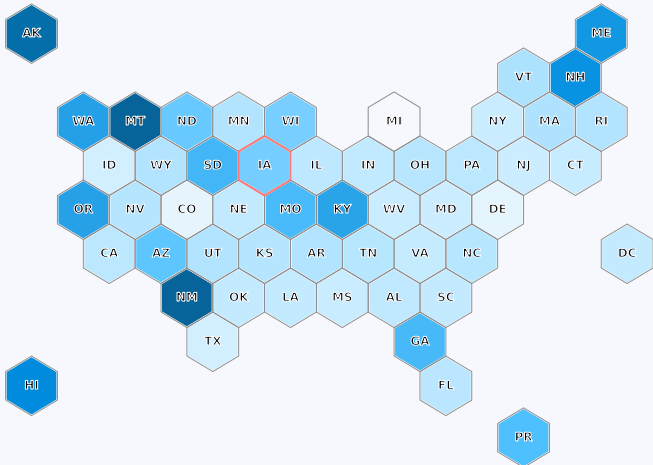
### Overview of effective virus concentration levels

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

lower  higher

Color indicates effective virus concentration level

Your state outlined in red





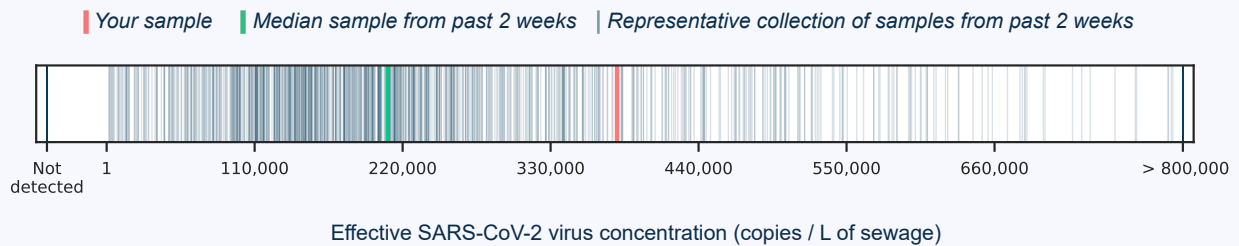
### Wastewater concentration tiers

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                     | Medium  |
| Tier 3          | 100,000-1,000,000                  | High  |
| Tier 4          | > 1,000,000                        | Very high                                     |

### Effective virus concentrations in comparison

Your sample has higher concentration levels than **79%** 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>