

Nebraska Wastewater Surveillance for SARS-CoV-2

Facility Report for Grand Island WWTP

Report for Week Ending: 2/25/23 (Week 8)

SARS-CoV-2 virus concentration in wastewater

Sample collection date: 2/20/23
Result: **Detected**
Raw Concentration: **262,312** copies/L
Normalized concentration: **173.4M** copies/person

Normalized concentration is the raw concentration adjusted for sewage flow rate and population, in million copies per person.

Current virus levels in wastewater

Very High (80-100%)
as of 2/20/23

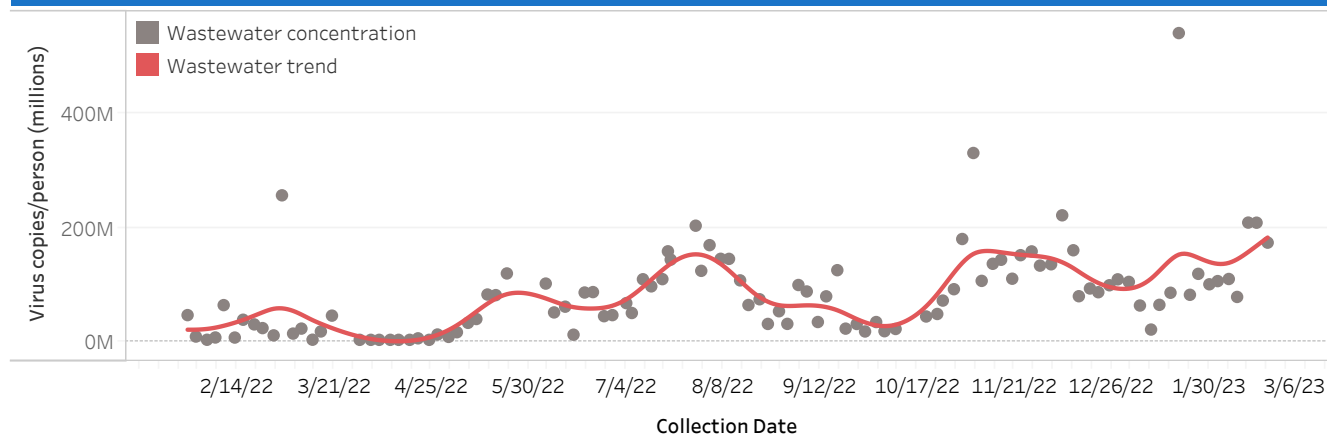
15 day percent change

Increasing
from 2/5/23 to 2/20/23

Current virus levels is based on a percentile that shows whether virus levels at a site are currently higher or lower than past historical levels at the same site. Very High: 80-100%, High: 60-<80%, Moderate: 40-<60%, Low: 20-<40%, Very Low: <20%.

Percent change is the modeled rate of change over last 15 days. Categories include: Increasing (10% or higher); Stable (10% to -10%); Decreasing (-10% or lower)

SARS-CoV-2 normalized wastewater concentration trends by sample collection date

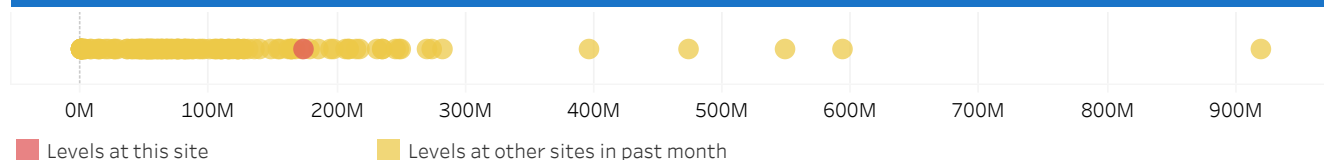


The grey dots represent SARS-CoV-2 normalized wastewater concentration for each sample collection date. Wastewater levels shown in red line are simple smoothing splines to help interpret trends over time. They do not indicate a specific or actionable values.

SARS-CoV-2 wastewater concentrations by collection date: Last 8 samples

	1/26/23	1/30/23	2/2/23	2/6/23	2/9/23	2/13/23	2/16/23	2/20/23
Raw Concentration (copies/L)	180,899	157,401	155,844	168,372	118,761	317,413	316,799	262,312
Normalized Concentration (copies/person)	118.5M	100.1M	105.7M	109.5M	77.9M	208.7M	208.5M	173.4M

Comparison of normalized virus concentrations to all other Nebraska sites in last 1 month



Data Source: Nebraska Wastewater Surveillance System (NeWSS). Project in collaboration between Nebraska DHHS, UNL, UNMC College of Public Health, and local public health departments.

For more information: <https://dhhs.ne.gov/Pages/COVID-19-Genomics-and-Wastewater-Surveillance.aspx>