

## Nebraska Wastewater Surveillance for SARS-CoV-2

### Facility Report for Grand Island WWTP

Report for Week Ending: 3/11/23 (Week 10)

#### SARS-CoV-2 virus concentration in wastewater

Sample collection date: 3/6/23  
Result: **Detected**  
Raw Concentration: **381,424** copies/L  
Normalized concentration: **241.3M** 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 3/6/23

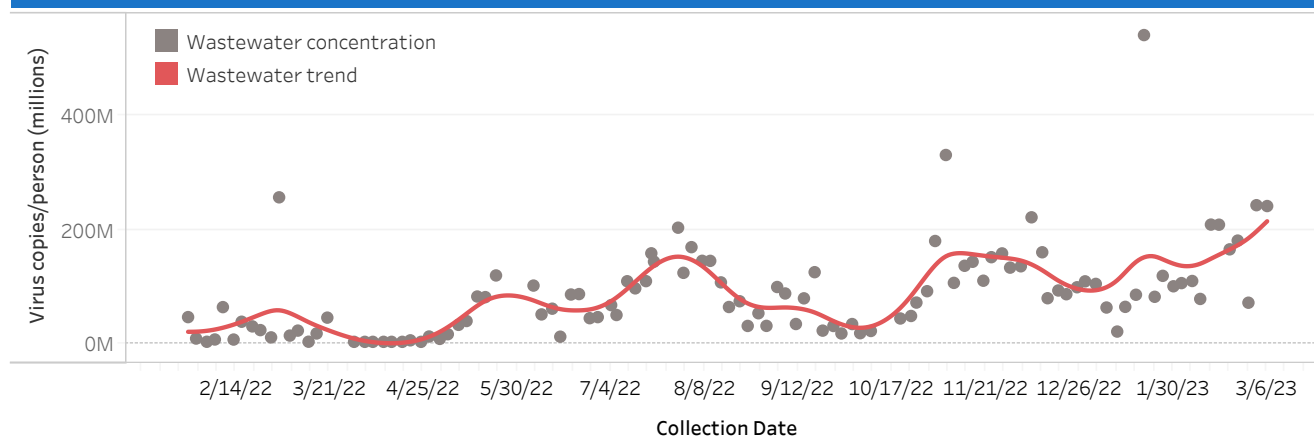
#### 15 day percent change

**Increasing**  
from 2/19/23 to 3/6/23

**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

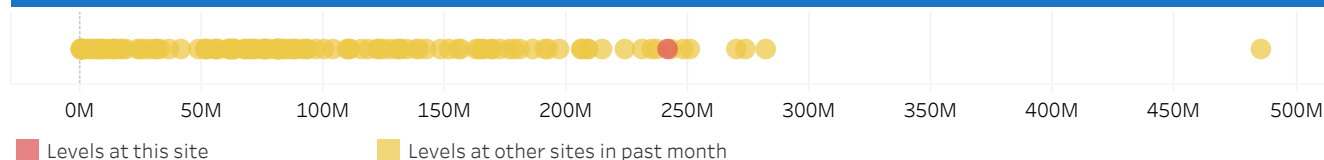


The grey dots represent SARS-CoV-2 normalized wastewater concentration for each sample collection date. Wastewater levels shown in red line are simple smoothing splines to help interpret trends over time. They do not indicate a specific or actionable values.

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

	2/9/23	2/13/23	2/16/23	2/20/23	2/23/23	2/27/23	3/2/23	3/6/23
Raw Concentration (copies/L)	118,761	317,413	316,799	249,802	272,210	108,129	369,331	381,424
Normalized Concentration (copies/person)	77.9M	208.7M	208.5M	165.1M	180.5M	71.2M	242.8M	241.3M

#### 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>