

Nebraska Wastewater Surveillance for SARS-CoV-2 Facility Report for Grand Island WWTP

Report for Week Ending: 10/15/22 (Week 42)

SARS-CoV-2 virus concentration in wastewater

Sample collection date: 10/9/22
Result: **Detected**
Raw Concentration: **26,901** copies/L
Normalized concentration: **21.5M** 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

Low (20-<40%)
as of 10/9/22

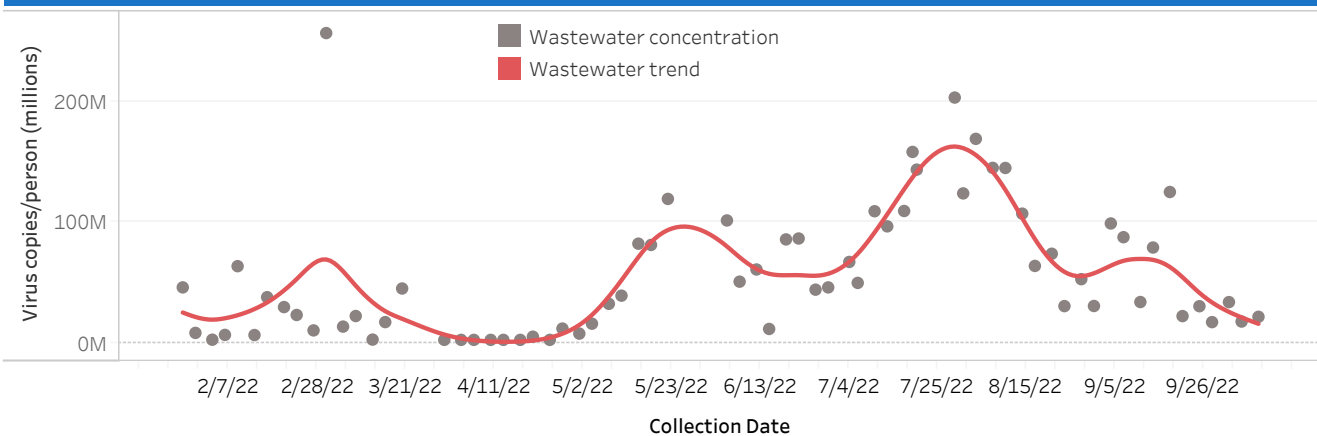
15 day percent change

Decreasing
from 9/24/22 to 10/9/22

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

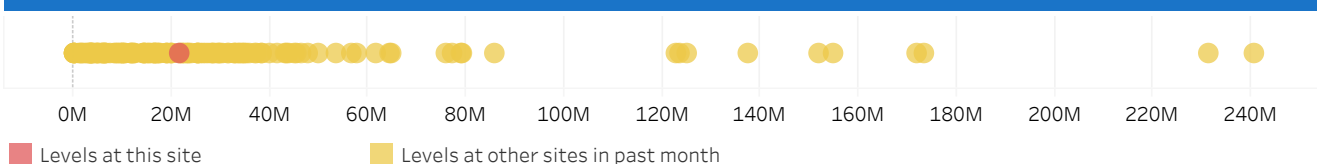


The grey dots represent SARS-CoV-2 normalized wastewater concentration for each sample collection date. Wastewater levels shown in red line are simple smoothing splines to help interpret trends over time. They do not indicate a specific or actionable values.

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

	9/14/22	9/18/22	9/21/22	9/25/22	9/28/22	10/2/22	10/5/22	10/9/22
Raw Concentration (copies/L)	98,585	143,035	27,640	37,860	21,388	42,099	21,984	26,901
Normalized Concentration (copies/person)	78.9M	124.9M	22.1M	30.3M	17.1M	33.7M	17.6M	21.5M

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>