

Grand Island Wastewater Treatment Plant Wastewater Surveillance *Preliminary Report*

Report for Week Ending: 4/23/2022

Week Number

2022-17

Wastewater surveillance involves testing and monitoring wastewater for SARS-CoV-2, the virus that causes COVID-19. Wastewater surveillance for SARS-CoV-2 can serve as an early warning signal, track variants, and help direct resources for health departments. The Nebraska Wastewater Surveillance System (NeWSS) is a collaboration between wastewater treatment facilities, the University of Nebraska-Lincoln, University of Nebraska Medical Center College of Public Health, and Nebraska DHHS.

SARS-CoV-2 Virus Concentration in Wastewater

Collection Date 4/17/2022

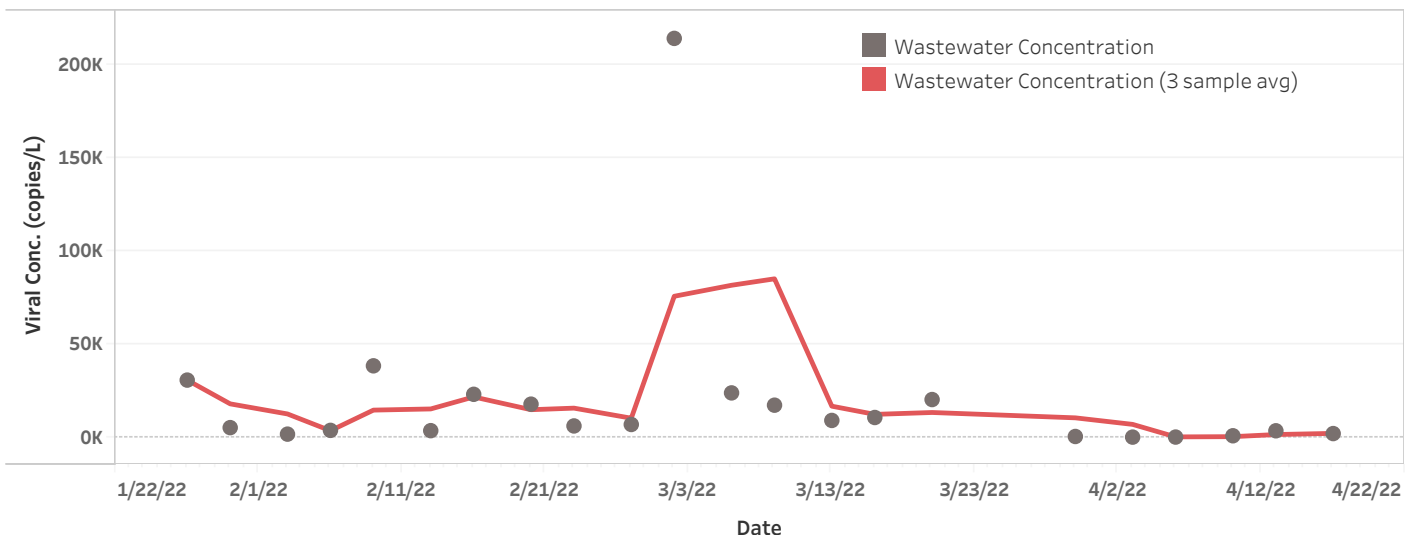
2,358 copies/L
Detected*

*Virus concentrations are reported as raw values in copies per liter of wastewater. Results are not adjusted or normalized. SARS-CoV-2 is considered below the limit of detection when sample results are less than 1000 copies/L.

SARS-CoV-2 Concentrations (copies/L) by Sample Collection Date

Month of Date / Week of Date / Day of Date										
Wk 11		Mar 2022 Wk 12		Wk 13	Wk 14	Wk 15		Apr 2022 Wk 16		Wk 17
3/6/22	3/9/22	3/13/22	3/16/22	3/20/22	3/30/22	4/3/22	4/6/22	4/10/22	4/13/22	4/17/22
24,166	17,580	9,400	10,978	20,602	799	458	485	1,182	3,854	2,358

SARS-CoV-2 Concentration Trends by Sample Collection Date



Source: Nebraska DHHS Wastewater Surveillance System, in collaboration with UNMC and UNL

Note: Wastewater surveillance data presented are best available data and are subject to change. These data may be incomplete for the most recent 2-week period due to processing and reporting delays. All data are provisional. The raw, non-normalized concentration of SARS-CoV-2 in copies per liter is presented. The concentrations may not be comparable across different sampling sites. SARS-CoV-2 RNA concentrations in wastewater are quantified using RT-qPCR. Laboratory processing and quantification methods may vary between sampling sites or sample dates.