Global COVID-19 Wastewater Monitoring Efforts: Development of the COVIDPoops19 Dashboard


DHS NIST Workshop: Data Reporting and Analytics, June 15th, 2021
Dashboard Data Flow

- Daily key word searches
- Literature and internet searches
- Google forms

Category sort

- Dashboards: 80
- Universities: 256
- Countries: 54
- Sites: 2,216

Continuously update

- ArcGIS online dashboard
- https://www.covid19wbec.org/
- https://www.medrxiv.org/content/10.1101/2021.03.14.21253564v1
Dashboard Review and Best Practices

- 59+ Dashboards
- Only 11 with downloadable data
- Lots of Variation
- Tips: Include videos, non-technical language, and downloadable data

https://www.medrxiv.org/content/10.1101/2021.03.14.21253564v1
Scotland - Example of Wastewater SARS-CoV-2 Dashboards

https://informatics.sepa.org.uk/RNAmonitoring/
Saskatchewan—Example of Wastewater SARS-CoV-2 Dashboards

The NSW Sewage Surveillance Program tests untreated sewage for fragments of the COVID-19 (SARS-CoV-2) virus at sewage treatment plant locations across NSW. Testing sewage can help track infections in the community and provide early warning of an increase in infections. These tests provide data to support NSW Health’s response to COVID-19. An infected person can shed virus in their faeces even if they do not have any symptoms, and shedding can continue for several weeks after they are no longer infectious.

The NSW sewage surveillance for SARS-CoV-2 is in the preliminary stages of analysis and work is progressing to assess the significance of the results.

The Bondi and Malabar plants serve over 2 million people, including Sydney city and quarantine hotels. The Botany and Paddington sewage network sites within these catchments also serve areas including quarantine hotels.

This map has been produced with assistance from Sydney Water and is an approximation of the sewage network. It is provided for general information and public health advice.

For more information and for regional NSW sewage tests visit COVID-19 wWwwy surveillance reports

https://water.usask.ca/covid-19/#MeasuringVirusIndicatorsinWastewaterasanEarlyWarningofCOVID19Outbreaks
Acknowledgements and Questions?

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https://arcg.is/1aummW
https://www.covid19wbec.org/

https://www.waterpathogens.org/