



# Wastewater-based epidemiology for SARS-CoV-2 surveillance in South Africa

Report date: 3 Aug 2021

Sample collection dates up to 30 July 2021  
(epidemiological week 30)

Centre for Vaccines and Immunology  
National Institute for Communicable Diseases



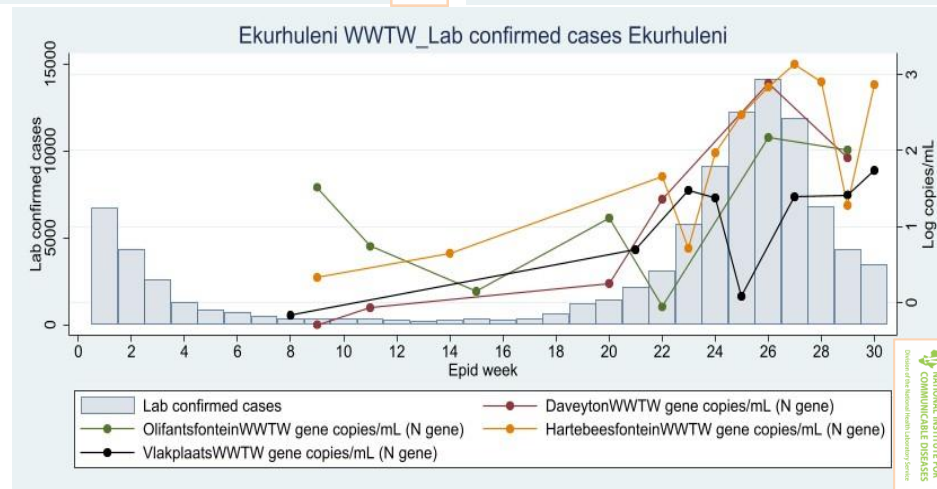
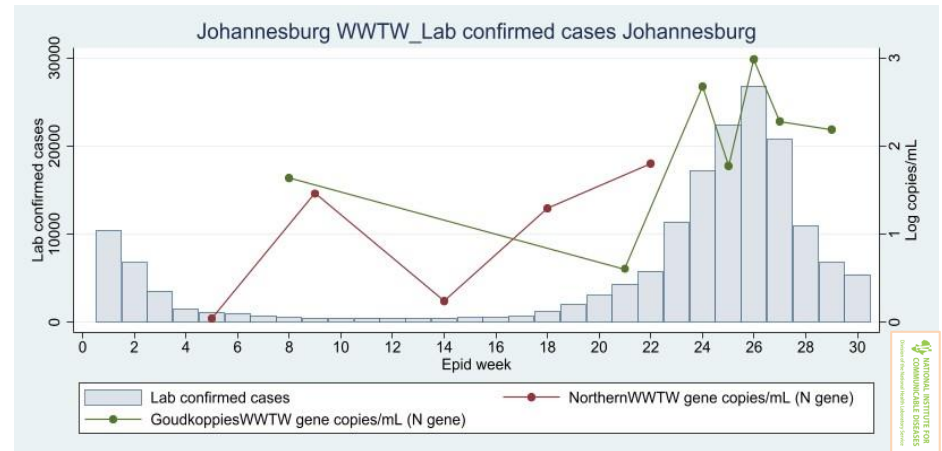
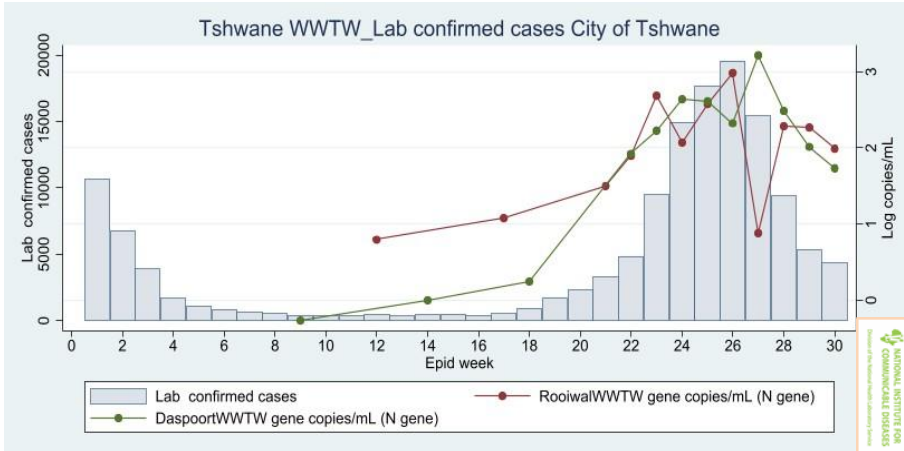
**health**

Department:  
Health  
REPUBLIC OF SOUTH AFRICA



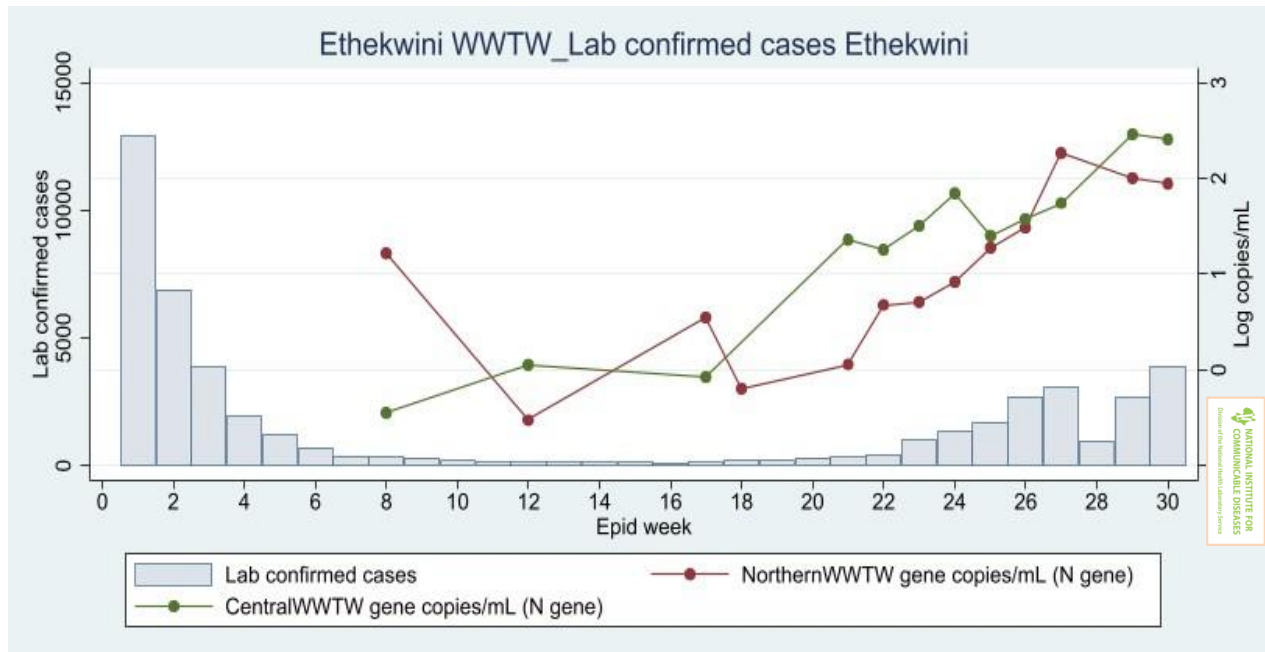
- Wastewater for SARS-CoV-2 surveillance were collected through the South African Collaborative COVID-19 Environmental Surveillance System (SACCESS)
- SARS-CoV2 quantitative results displayed represent a subset of samples collected through the SACCESS network which were tested at the National Institute for Communicable Diseases
- Interpretive note: Wastewater is not considered an infectious source of SARS-CoV-2 transmission.

# Gauteng wastewater treatment plants



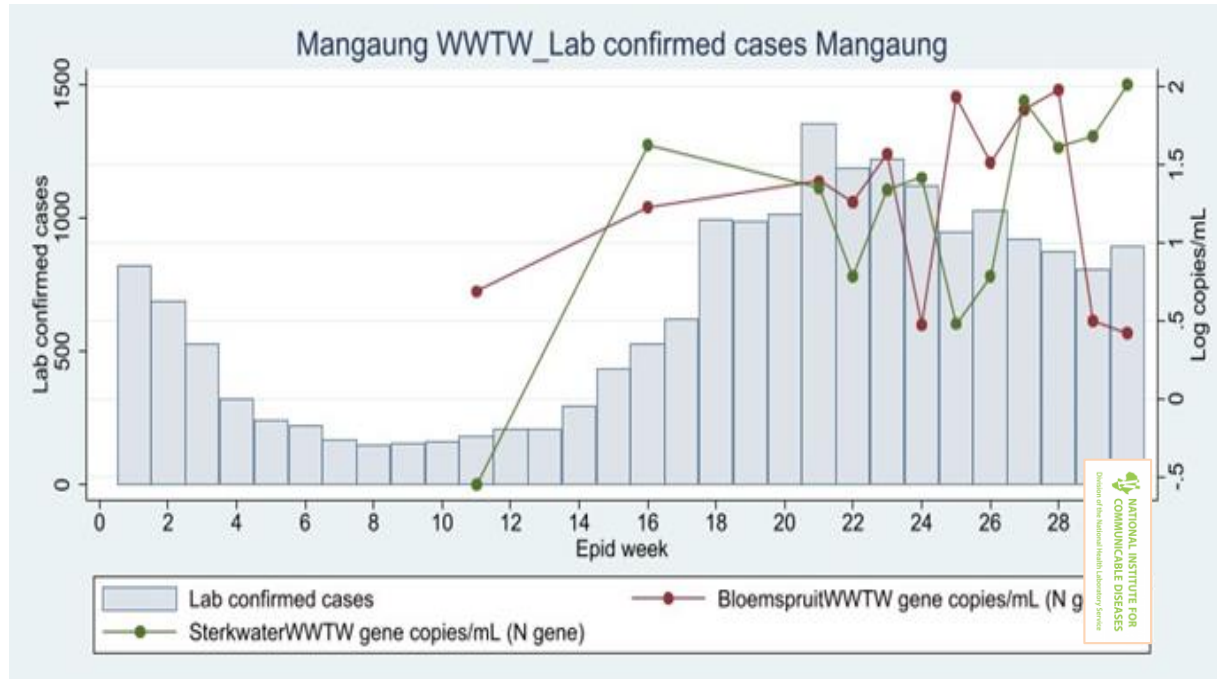
- Bars on the graph represent SARS-CoV-2 detected from clinical cases
- Coloured lines represent SARS-CoV-2 detected from wastewater treatment plants

# KZN wastewater treatment plants



- Bars on the graph represent SARS-CoV-2 detected from clinical cases
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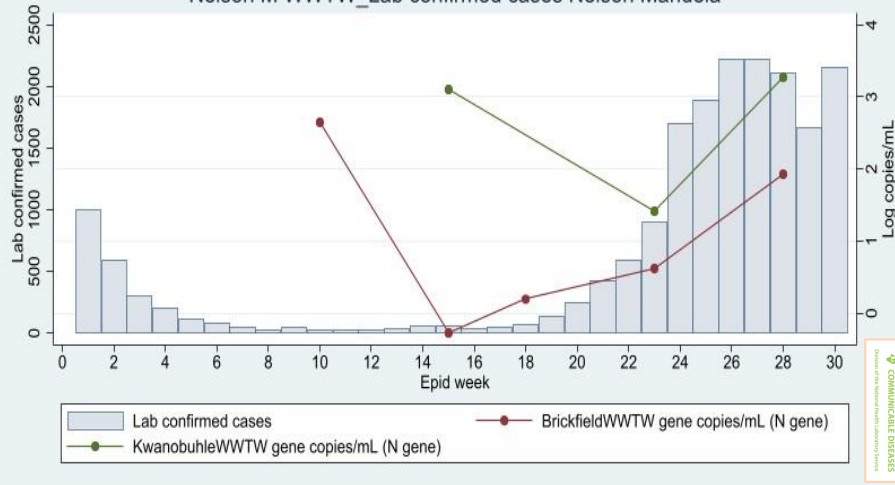
# Free State waste water treatment plants



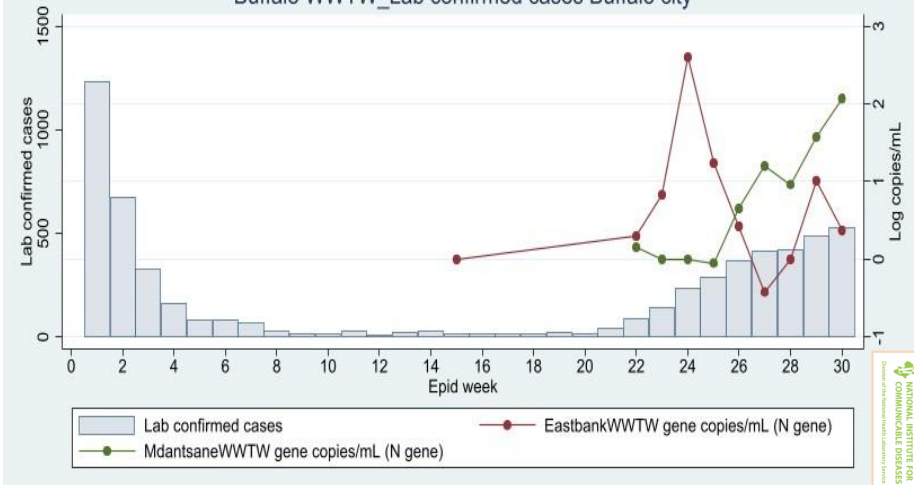
- Bars on the graph represent SARS-CoV-2 detected from clinical cases
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# Eastern Cape wastewater treatment plants

Nelson M WWTW\_Lab confirmed cases Nelson Mandela

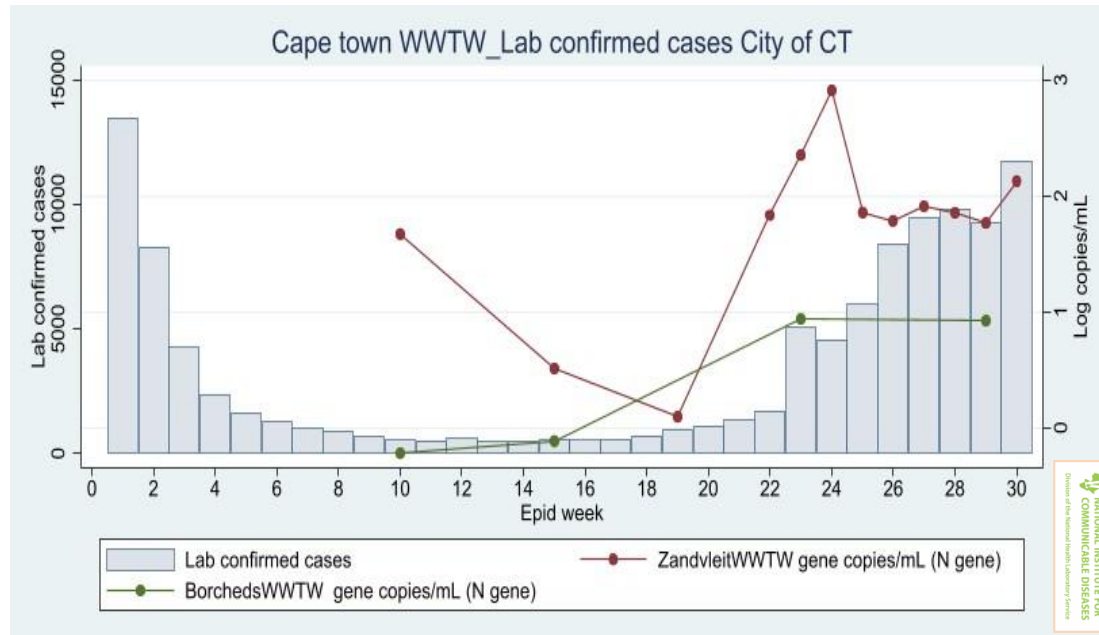


Buffalo WWTW\_Lab confirmed cases Buffalo city



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# Western Cape wastewater treatment plants



- Bars on the graph represent SARS-CoV-2 detected from clinical cases
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