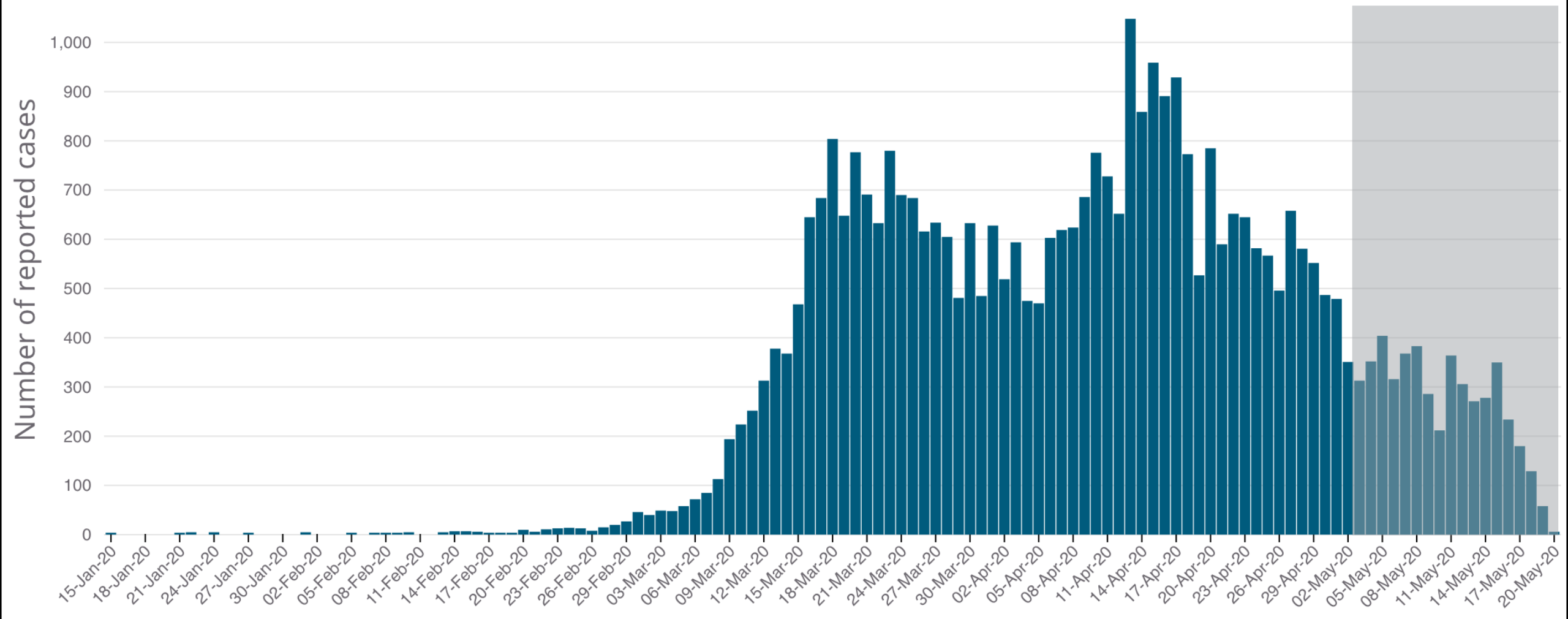


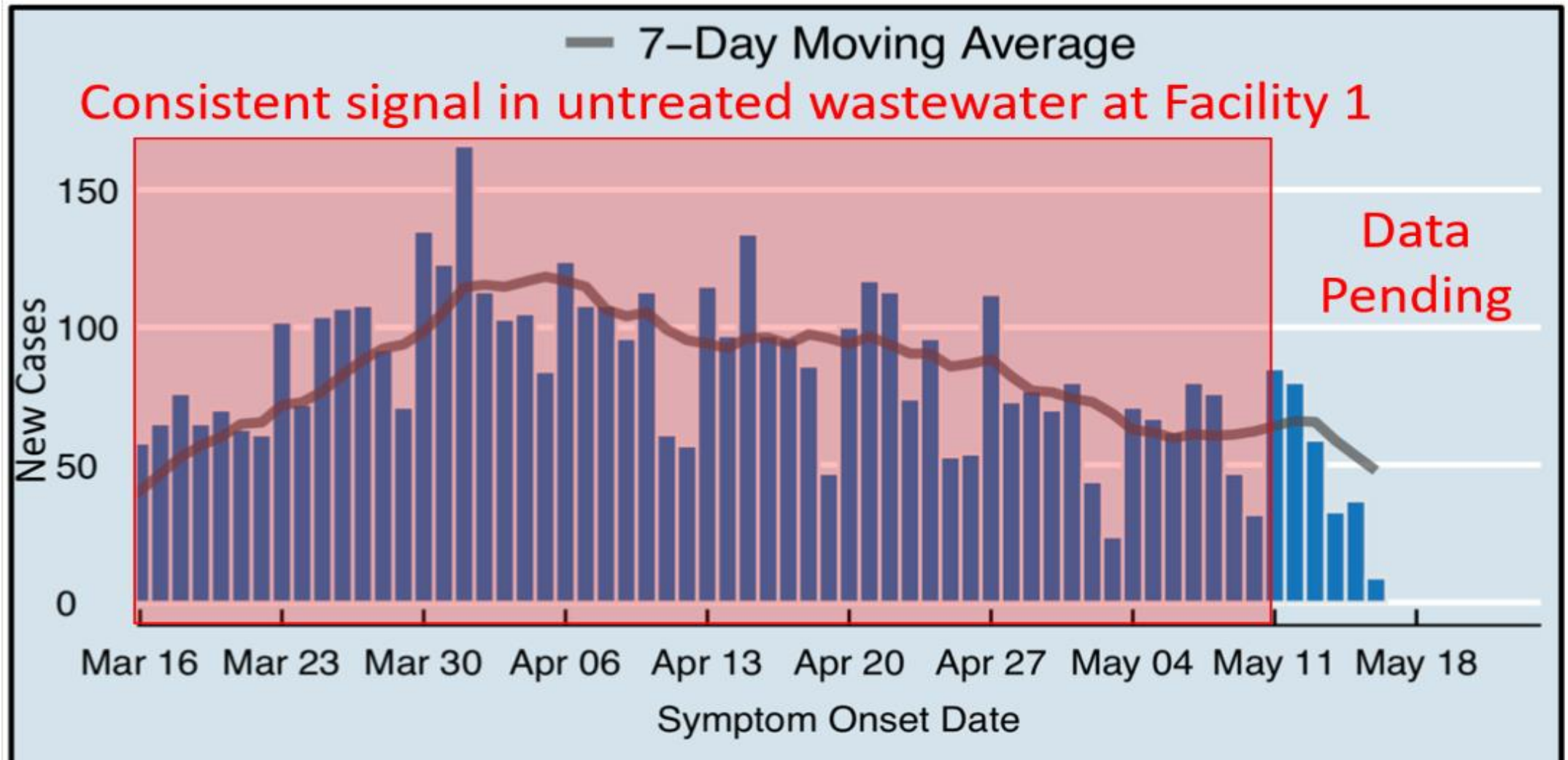
# COVID-19 Cases in Canada

Figure 1. COVID-19 cases (n=38,688 <sup>1</sup>) in Canada by date of illness onset as of May 21, 2020, 11 am EDT



# Preliminary Results – Nevada

Thanks to Water Research Foundation Congressional Briefing Webinar May 21, 2020



# 8 Design Principles for the COVID-19 Wastewater Coalition Pilot Study

1. Clearly Define Pilot Monitoring Program Objectives
2. Achieve Rapid Validation and Adoption of a Consistent Canadian Sampling Protocol
3. Confirm Validity of Wastewater Analyses for SARS-CoV-2
4. Ensure Potential for Generalizability by Fully Understanding What Samples Represent

# 8 Design Principles for the COVID-19

## Wastewater Coalition Pilot Study *(continued)*

5. Maximize Value of Results through Strategic Pilot Project Design
6. Maximize Potential for Productive Collaboration with Wastewater Utilities
7. Maximize Collaboration, Cooperation and Knowledge Exchange
8. Consider Ultimate Use and Ethics of Data Use in Public Health Decision-Making

# Surveillance based on Defined Fragments of RNA

## Anatomy of a virus

The covid-19 virus has several features we may be able to target with drugs to break it down and stop it entering cells

RNA enclosed  
in protein

Spike protein

Lipid membranes

