

GRANT ANALYSIS FORM OPERATING & CAPITAL GRANT PROJECTS/PROGRAMS

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Category of Request

 New Grant Grant Continuation

Previous Council File No. _____

 Change in Previously Approved Grant

Previous Council File No. _____

Project/Program Title: UW COVID-19 PhylodynamicsGrantor Agency: Centers for Disease Control and Prevention (via University of Wisconsin-Madison)Grant Application Date: February 2, 2022Anticipated Award Date: March 2023

1. Description of Grant Project/Program (Include Target Locations and Populations):

This CDC grant proposal is focused on conducting whole genome sequencing for SARS-CoV-2 to evaluate the impacts of vaccination status, geographic setting, and sociodemographic features on viral transmission and evolution. MHDL's efforts will focus on the following key populations in Milwaukee County: urban and up-to-date on vaccination at the time of sampling and urban not-up-to-date. Specifically, MHDL will be attempting to collectively generate 2,000 SARS-CoV-2 genome sequences from metadata-targeted specimens.

2. Relationship to City-Wide Strategic Goals and Departmental Objectives:

This grant directly relates to the MHD departmental strategic goal of ensuring public health preparedness and response, by increasing understanding of community spread of COVID-19. It is also in alignment with MHD's overall mission and core values of collaboration and innovation.

3. Need for Grant Funds and Impact on Other Departmental Operations (Applies only to Programs):

These grant funds and related activities will positively impact laboratory and epidemiology related operations at the MHD, as well as support the laboratory's ongoing services related to COVID-19.

Results Measurement/Progress Report (Applies only to Programs):

4. Over the course of the grant, MHDL will complete the following objectives:

- 1) Generate up to 2,000 SARS-CoV-2 sequences a year from people residing in rural/urban; socioeconomically vulnerable/advantaged, and undervaccinated/highly vaccinated ZIP Codes in the Milwaukee area
- 2) Perform phylodynamic and phylogenetic analyses of viral diversity and transmission
- 3) Build and deploy systems for better local health department integration with statewide public health data

5. Grant Period, Timetable and Program Phase-Out Plan:

The first funding period for this three-year project is September 30, 2022 through September 29, 2023.

6. Provide a list of Subgrantees:

N/A

7. If Possible, complete Grant Budget Form and attach to back.

Grant budget form is attached.