

# COVID Surveillance Platform

Network of Core Labs Enabling Solutions

## Phase 1 - Process Overview

### Improve Screening for COVID-19 to help open our campus in the future.

A weekly non-diagnostic saliva COVID-19 test from March 8 – April 30  
Open to researchers/students working on 2<sup>nd</sup> and 3<sup>rd</sup> fl. of Essex-CORE

Saliva samples are pooled with 4, 8, or 12 individuals

Sample collection on the 1<sup>st</sup> floor lobby of Essex-CORE

Approved by the Office of the President, Office of the VPRI, Faculty of Science, and Health and Safety

#### Participant Recruitment

- Voluntary Participation and Withdrawal
- Fill in e-Consent form and provide contact information by email
- Participants are 'de-identified'
- A phone app, MyCap, will be used to communicate with participants
- Each participant will be given their own sterile swabs and swab instructions at the collection site



Fill in e-consent form



Download MyCap application



Receive sterile swabs

#### Sample Collection

- 1 test per week per participant
- Complete a 5-minute survey on MyCap
  - Risk Perception
  - Psychological and Social Impacts of Testing
- Collection sites will be manned by a technician who will guide participants through the procedure



Go to the 1<sup>st</sup> Floor of Essex-CORE



Complete survey on MyCap



Collect own saliva sample and store swab in tube

#### Sample Transport

- Participants will place their own sample in a heat block for inactivation of the sample
- Transport to UWindsor lab on the 3<sup>rd</sup> floor of Essex-CORE for sample processing



Sample Inactivation at 95°C



Sample Transported Securely for Processing



University of Windsor

we spark  
HEALTH INSTITUTE

To participate in the study, contact:

**Jackie Fong – Study Manager**

[fong111@uwindsor.ca](mailto:fong111@uwindsor.ca)

For any concerns or questions, contact **Dr. Lisa Porter**

[lporter@uwindsor.ca](mailto:lporter@uwindsor.ca)

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## Sample Processing

- Manual sample pooling and prep
- 4, 8 or 12 samples pooled
- Analysis by qPCR provided by our industrial partner, SM Research Inc.



Manual Sample Pooling



qPCR Analysis

## Reporting to Participants

- Participants in positive cohorts will be alerted & invited to retest
- Individual testing will be conducted
- Positive individual test. Advised to:
  - 1) isolate
  - 2) alert supervisor
- Participants will be given information on clinical testing sites.



qPCR Report

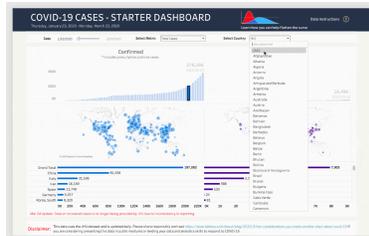


POSITIVE Cohorts Notified

Participants found to be within a positive cohort will be notified and advised to 1) isolate and 2) to get tested at a clinical test site (information provided)

## Reporting to the Public

- Dashboard will be developed to present our data along with regional data
- Survey data will be collected to assess compliance, participant concerns/satisfaction and perception of risk

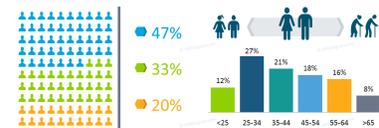


Dashboard Development

- UWindsor data
- Wastewater data
- weCHU data
- WRH and HDGH data

## Survey Report Template

Editable PowerPoint Diagrams & Icons



Survey Data Analyzed

Participant responses will guide modifications in subsequent phases and will be written for publication

Operating Hours of Collection Site (Essex-CORE 1st floor lobby):

**Tuesdays and Thursdays**

**10 AM – 12 PM**

**2 PM – 4 PM**

Your participation is completely voluntary, and you may withdraw at any time.

\*\*\* This is not a Health Canada approved test. The results provided should not be held to the same standard as a clinical diagnostic test. Still, a clinical trial was conducted at the Windsor Regional Hospital with promising data of this test's sensitivity and specificity. A negative test result does not completely rule out COVID-19 infection. Individuals may come into contact with the virus at any time and may be incubating an early infection that this testing cannot detect.



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