Dalla Lana School of Public Health

Disruptions of Sexually Transmitted and Blood Borne Infections (STBBI) Testing Services During the COVID-19 Pandemic in Ontario: Service Providers' Experiences and Responses

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CAHR Virtual Conference: April 27-29, 2022 *Corresponding author: daniel.grace@utoronto.ca



Background

- The designation of sexually transmitted and blood borne infections (STBBI) testing as "non-essential" health services ٠ during the COVID-19 pandemic in Ontario has negatively impacted their availability.
- Published studies from Canada and US have found that the lack of available sexual health services such as STBBI testing ۲ has contributed to individuals' **unmet sexual health needs** throughout the pandemic.
- In response to unmet sexual health needs, many sexual health service providers have adopted alternative models of care such as virtual interventions and self-sampling/testing.
- Our objective was to investigate service providers' experiences of disruptions to STBBI testing during the COVID-19 ٠ pandemic in Ontario, as well as the **adoption and acceptability of alternative models of care** among service providers.

Methods

- As part of a larger **community-based research study**, data collection and analysis were led by **3 Peer Researchers** and a ٠ **Community Advisory Board** was consulted throughout the study.
- Semi-structured virtual focus groups (3) and in-depth interviews (11) were conducted between October 2020-February ٠ **2021** with a diverse group of **sexual health service providers (n=18)** (i.e. frontline workers, sexual health nurses, etc.).
- **Purposive and snowball sampling** recruitment methods were used, and analysis techniques were informed by grounded theory.
- Transcripts were transcribed verbatim and coded using NVivo 12 software. Each participant was assigned a pseudonym. ٠





Results

Participants (n=18)

- **Current Job:** frontline workers at community-based or HIV/AIDS service organizations (n=7), sexual health nurses (n=4), physicians (n=2), public health workers (n=2), clinic counsellors/HIV testing professionals (n=2), managers of sexual health clinic (n=1)
- Years of Experience: Over five years (n=9), 1-5 years (n=7), less than one (n=2) ۲
- **Location of Work in Ontario:** Greater Toronto Area (n=7), Ottawa (n=2), other large urban areas (>100,000) (n=8), • rural communities (1,000-29,999) (n=1)
- **Populations Primarily Served*:** gay, bisexual, queer, and other men who have sex with men (n=15), people who use ۲ intravenous drugs (n=8), trans/gender non-conforming (n=7), sex workers (n=5), youth (n=2), adults between 18-60 (n=1), immigrants/newcomers (n=1)

Disruptions to STBBI Testing

- Participants identified the **reallocation of public health resources and staff toward COVID-19 management**, as well as • the closures, reduced hours, and lower in-person capacities at sexual health clinics as causes for a sharp decline in the availability of sexual health testing services in Ontario.
- Prior to the pandemic, Ontario Public Health provided 50% of STBBI testing in the province. But with a focus on COVID • management, sexual health testing demand was been redirected toward other sexual health service providers such as private labs, family doctors, and other community-based sexual health clinics who also faced COVID-related constraints.
- After the first "lockdown" period (March-May, 2020) new clinics were created and capacities were increased at existing • clinics to meet the continued demand for sexual health testing.



*not mutually exclusive



Results

Innovations in STBBI Testing

- Virtual and self-sampling interventions were adopted for STBBI testing to increase service capacity while reducing risk of COVID-19 transmission. There innovations included: "Virtual Nurse Clinic" and "Quick Test Clinic"
- There was a **shift away from in-person visits** to remote risk assessment, intake, and counselling sessions using the ۲ phone or internet. In-person visits were limited to clients in "urgent" need of testing or treatment, such as those with recent exposure, symptoms, or high-risk profiles.
- Participants suggested that alternative models of testing were highly acceptable among their staff and clients, and that they were more convenient, accessible, safe, comfortable, cost-effective, and "less workload heavy" compared to traditional clinic-based models, and that they filled the gaps in testing caused by the pandemic.

Virtual Nurse Clinic

Requisition is filled over the phone and sent to LifeLabs or Dynacare; client visits the lab of choice for testing

Reserved for 'low-risk' clients; clients with clear exposure or other risks referred to in-person services

Quick Test Clinic

Requisition is pre-filled; client visits any participating location* to pick-up requisition and self-collect samples on-site

Reserved for asymptomatic clients; clients with symptoms or clear exposure referred to in-person services

All types of testing available

Only chlamydia and gonorrhea testing



*including public health units, women's shelters, AIDS service organizations, community-based organizations, and community health centres.



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Discussion and Conclusion

- Availability of publicly funded and community-based STBBI testing services was critically reduced in Ontario, Canada ٠ during the COVID-19 pandemic.
- Alternative models of care such as virtual and self-sampling interventions were adopted for STBBI testing, and acceptability was high among service providers. Their lived experiences of timely and effectively implementing such services also **demonstrated their feasibility** within the context of Ontario.
- There are potential benefits of alternative STBBI testing services such as virtual and self-sampling interventions beyond the pandemic, and such services should continue to be offered in the province. This should be in conjunction with traditional clinic-based testing services to meet the different needs of various sexual health service clients.
- There is a need to view sexual health as a comprehensive part of our overall understanding of health, and there is a ٠ serious need for widely available and accessible publicly funded sexual health services for all residents.
- Interestingly, disruptions to STBBI testing caused by the pandemic was identified as the catalyst for approval and ۲ implementation of new testing initiatives by our service provider participants.
- Future research in implementation science is critical and necessary for the development, adoption, evaluation, and expansion of innovative sexual health and STBBI testing services in Ontario.

This study was approved by the University of Toronto Ethics Board and funded by the Canadian Institutes for Health Research For more information, please contact <u>daniel.grace@utoronto.ca</u> or visit <u>https://dishiresearch.ca/</u>











