## CORRECTIONAL SERVICE CANADA

CHANGING LIVES. PROTECTING CANADIANS.



## SERVICE CORRECTIONNEL CANADA

TRANSFORMONS DES VIES. PROTÉGEONS LES CANADIENS.

### Correctional Service Canada's Response to the COVID-19 Pandemic

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#### Abstract

Background: Correctional Service Canada (CSC) provides essential health services to approximately 12,000 federally incarcerated individuals, in accordance with professionally accepted standards. Congregate living settings, like correctional institutions, are considered high-risk settings during communicable disease outbreaks. Key challenges include the close proximity of living quarters, along with barriers related to infrastructure and facility design. Furthermore, an aging population and the prevalence of mental and physical health conditions may increase the risk of severe outcomes.

Methods: A review of pandemic response measures implemented within Canadian federal correctional institutions during the COVID-19 pandemic was conducted.

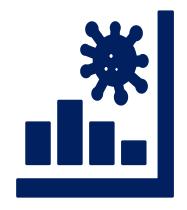
Results: As of March 2023, there have been 188 outbreaks in CSC institutions, 7800 cases among incarcerated individuals, and 6 deaths. CSC responded nimbly to evolving evidence and public health recommendations by implementing and adapting measures as needed. The risks posed to congregate settings was recognized early by CSC and a National Contact Tracing Unit was established to mitigate the risk of COVID-19 introduction and transmission. CSC leveraged technology to adapt surveillance systems (and later introduced wastewater surveillance) and were early adopters of point-of-care testing, which enhanced case detection. In collaboration with local, regional, and federal partners, CSC was successful in prioritizing incarcerated individuals (and staff, in some regions) for immunization, launched a comprehensive immunization campaign, and conducted research about vaccine hesitancy. CSC also mobilized a pool of health care and infection prevention and control (IPC) professionals to deliver education and assist with outbreak management.

Conclusions: CSC undertook a multifaceted, collaborative, and innovative response to the evolving pandemic, with relatively few severe outcomes or deaths among incarcerated individuals. Balancing mental and physical health, while respecting the needs and rights of incarcerated individuals, can be challenging in a public health emergency. Lessons learned from the pandemic should be integrated into preparedness plans and routine IPC practice in correctional settings.

## Background

Correctional Service Canada (CSC): court-imposed sentences of two years or more.

13,017 federally incarcerated individuals throughout 43 institutions of varying security levels, and 14 community correctional centres across Canada. (May 2023)







7800 cases among inmates



66 COVID-19 severe outcomes\*, including 6 deaths

\*hospitalizations or deaths Data current as of March 2023

#### **Challenges in Correctional Institutions**

- Congregate living setting
- Facility design
- Comorbidities, including complex mental health needs



## COVID-19 Response Measures in CSC



#### **Infection Prevention and Control**

- Mobilized a pool of health care and infection prevention and control (IPC) professionals to deliver education and assist with outbreak management.
  - Mandatory IPC training for all staff
  - PPE donning and doffing stations, outbreak "units"
  - Inmate movement and cohorting

**Staff Case and Contact Management** 

- Early adoption of rapid point-of-care tests to enhance case detection
- Contact tracing: National Contact Tracing Unit for staff
- Return to Work Assessment team

#### **CSC Guidance Documents**

 CSC specific guidance documents and case / contact management algorithms for staff and inmates (Fig. 1)

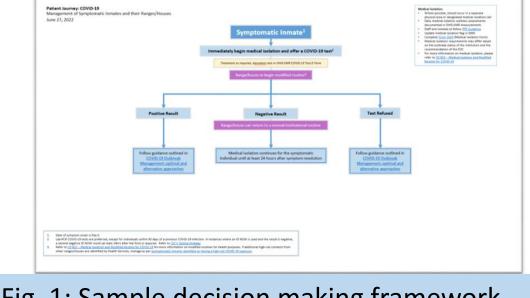


Fig. 1: Sample decision making framework

#### **SARS-CoV-2 Testing**

- Early adoption of rapid antigen tests to enhance case detection among staff (Omicron)
- Point-of-care molecular tests to expedite case detection among inmates



Fig.2: Integrated Risk Management Framework (IRMF)

**COVID-19 Vaccine Doses Administered** to CSC Inmates by Dose

Fig 5: Vaccine uptake by inmates

#### **Surveillance Strategies**

- Integrated Risk Management Framework (IRMF) (Fig.2)
  - Early warning risk assessment based on community factors (e.g. community case/wastewater surveillance, health system indicators) and internal factors (e.g., testing capacity and uptake, vaccination rates).
  - Effective tool to communicate COVID-19 risk within a large organization, and provide clear direction regarding mitigation measures.

#### Wastewater Surveillance (Figs. 3,4)

- Early warning signal for cases not yet diagnosed clinically, potentially up to one week prior to clinical testing.
- Cost effective as one test (of wastewater) represents a signal for an entire population.

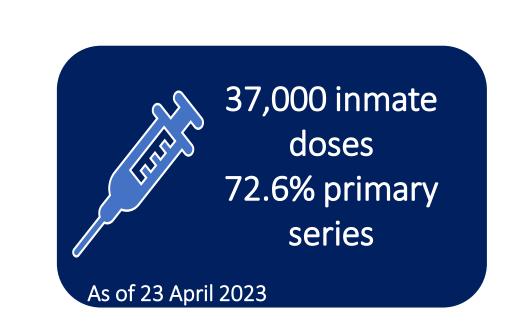
# Fig. 3: CSC Technical Service sstaff sampling wastewater



Fig. 4: SARS-CoV 2 Wastewater Dashboard

#### **Immunization Campaign**

- Advocated for prioritization of inmates (and staff, in some regions) within our national vaccine distribution strategy.
- Launched a comprehensive immunization campaign, using the national/regional resource pool of healthcare professionals and paramedics (Fig. 5)



## Correctional Health is Public Health

CSC undertook a multifaceted, collaborative, and innovative response to the evolving pandemic, with relatively few severe outcomes or deaths among inmates. Balancing mental and physical health, while respecting the needs and rights of inmates, can be challenging in a public health emergency.

Continued advocacy for the correctional environment to be recognized as a unique health setting that carries its own set of risks, particularly from the infectious diseases perspective, is crucial. **Lessons learned** from the pandemic should be integrated into preparedness plans and routine IPC practice in correctional settings.

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