



Outbreak Admission Strategies During the COVID-19 Pandemic

A Highly impacted Ontario Community Hospital System




Presented by: Donna Moore – IPAC Manager, William Osler Health System




Overview


- Overview of COVID-19 challenges
- Highlight practical approaches to admissions to units on OB
- OB Management Admission Framework and impact



William Osler Health System (Osler)



Brampton Civic Hospital

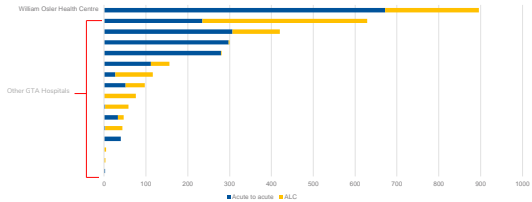


Etobicoke General Hospital

COVID-19 Outbreak Impact

GTA Hospital IMS

Overall volume of patients transferred through GTA IMS directives by sending facility
Nov 16, 2020 - May 31, 2021



4

TORONTO REGION

COVID-19 HOSPITAL OPERATIONS TABLE

GTA Hospital IMS

- Standard, scalable approach to manage IPAC issues impact hospital capacity and staffing included guidance on:
- **Patient placement and cohorting;**
- **Outbreak management,**
- Inter-facility transport,
- Isolation requirements for new admissions,
- HCW exposure management and isolation requirements, and
- HCW movement during COVID-19 outbreaks.

5

Outbreak Management Admission Framework (OMAF)

Considerations:

- Outbreak Evolution (VOC's and community surges)
- Patient Population (specialty services)
- Rapid and PCR COVID Testing with electronic notifications (universal vs symptomatic testing)
- Utilization of CT Values (disease onset – old vs new infection)
- Hospital Capacity and Constraints (HHR and Surge volumes)



6

Outbreak Management Admission Framework

Provided specific guidance based on Osler's capacity constraints including:

- Availability of beds (private rooms; ICU Capacity; ER volumes)
- Health human resources (staffing shortages)

Internal triggers (red/yellow/green) were utilized to calibrate outbreak management admission guidelines that:

- Reflected progressive organizational capacity constraints and
- External environmental conditions

[illegible]

New OMAF for COVID-19

- Developed in May 2022
- Aligned with GTA IMS/TR HOT
- Reflected Osler's internal hospital capacity constraints
- Supported safe admissions to COVID-19 outbreak units
- Involved collaboration with Patient Flow and Admitting

[illegible]

New OMAF

The plan to admit new patients are made by the Outbreak Management Team (OMT) after:

- Assessment of the outbreak's progress,
- Patient population and
- Level of hospital capacity constraints



The Results

New OMAF demonstrated new admissions could be safely admitted if:

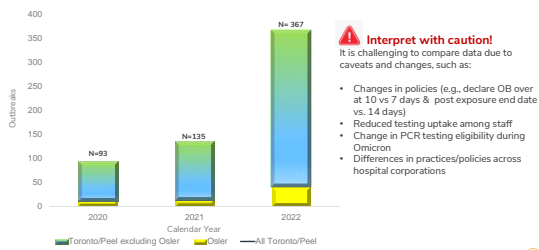
- Appropriate IPAC measures are implemented and FOLLOWED
- Collaboration with and support from Patient Flow, Admitting and the unit at the onset of the OB
- Clear direction and communication is provided to front-line staff

This new OMAF facilitated patient flow and helped mitigate some ER capacity challenges.



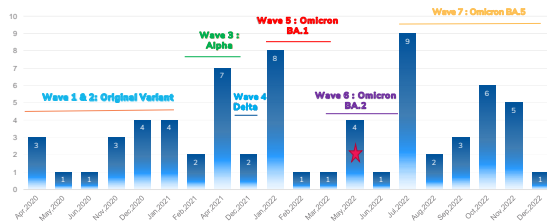
13

Toronto and Peel Regional Outbreaks



14

Osler's Outbreak by Month



15

Results

- Shortened the duration of COVID-19 outbreaks from an average of 19 days (April 2020 to April 2022) to 13 days (May 2022 to date)
- Maintained an attack rate about 22% during the multiple waves of the more highly transmissible Omicron sub-variant surges.
- Less outbreaks than other Hospital in our regions



16

Thank You!



William Osler
Health System

Presented by: Donna Moore





Donna Moore
IPAC Manager
EGH/PMC/RCU/WHMC
donna.moore@williamoslerhs.ca



Janine Domingos
IPAC Manager
BCH
janine.domingos@williamoslerhs.ca



Adenike Rowaiye
Epidemiologist
Corporate
adenike.rowaiye@williamoslerhs.ca

18
