Power and Peril

How Information and Informatics are Shaping Pandemic Response

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Virtually CAHSPR, May 27, 2020
(Everything you need to know, Florence Nightingale knew first)
SOCIETY
Canadians overwhelmingly support stronger measures to fight COVID-19, Ipsos poll suggests

WHO says fake coronavirus claims causing 'infodemic'
STUFF
PPE DASHBOARD

Safety First

KEY MESSAGES
- CHEO is currently in a state of PPE conservation
- Comprehensive PPE strategy working well to maintain current levels
- On Friday CHEO received 10,600 procedure masks, 760 face shields and 1,240 boxes of gloves

WEEKEND CONSUMPTION: May 2 - 3, 2020

N95s

- 1370 PLUS: 20
- N95 8210 (3M): 0
- N95 GERSON 1730: 20
- N95 1860S (3M): 0
- Expected total daily pandemic usage*: 220

Procedure masks

- Adult with visor L3: 100
- Adult Level 1 + 2: 0
- Adult Level 3: 2,420
- Expected total daily pandemic usage*: 2,500

Face shields

- Expected total daily pandemic usage*: 300

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* = used LESS than expected
! = used MORE than expected
x = used 50% MORE than expected
Daily COVID-19 tests per thousand people

The figures are given as a rolling 7-day average. For countries that do not report testing data on a daily basis, we assume that testing changed equally on a daily basis over any periods in which no data was reported.
Potential COVID-19 vaccine shows promising early results

nature
How swamped preprint servers are blocking bad coronavirus research
Cumulative # COVID-19 Peer Reviewed-Journal Articles by Week

Jan-20

May-20

>11,000
STAFF
Look for the helpers.

Nancy Rogers, mother of Fred Rogers
What We Know

What We Don’t Know
STRUCTURE
Who led the digital transformation of your company?

A) The CEO

B) The CTO

C) COVID-19
% In-Person Healthcare Visits

2019: 80-90%

April 14-21, 2020: ?

% In-Person Healthcare Visits

- **2019**: 80-90%
- **Non-COVID April 14-21, 2020**: 40%
- **COVID April 14-21, 2020**: ~33%

WHEN
IS THE END?
#COVID19
Not When Will This End but ...

How Will We Carry On?
WHO Euro on Managing the Transition

1. Governance of health systems.

2. Data analytics to inform decisions.

3. Digital technologies to support public health measures.

4. Responsive communication with populations.

Source:
http://www.euro.who.int/__data/assets/pdf_file/0018/440037/Strength-AdjustingMeasuresCOVID19-transition-phases.pdf?ua=1
Good Information Hygiene

Information for Better Health & Care
6 levers for healthcare improvement

- Engaging front-line managers and providers in creating an improvement culture
- Promoting evidence-informed decision-making
- Focusing on population needs
- Engaging patients and citizens
- Creating supportive policies and incentives
- Building organizational capacity

Source: Baker & Denis, 2011.
Add Value, not Noise
Thank you