Making Sense of COVID-19 (Some observations)

Dr. William Ghali University of Calgary

October 2020



My FAVOURITE article on COVID...

Available at: https://www.theglobeandmail.com/opinion/article-this-is-the-most-important-science-lesson-of-our-lives/



Jacob Berkowitz – in the Globe and Mail

"Because, if your kids come out of this pandemic knowing in their bones that science is as much about what we currently don't know, as what we do, it will be the most important science lesson of their lives."



Tracking Home

JOHNS HOPKINS

UNIVERSITY & MEDICINE

Critical Trends \

Global Map

U.S. Map

Data in Motion



COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins ...

Global Cases

40,344,310

Cases by Country/Region/Sovereignty

8,212,767 US

7,550,273 India

5,250,727 Brazil

1,406,667 Russia

1,002,662 Argentina

974,449 Spain

965,883 Colombia

952,600 France

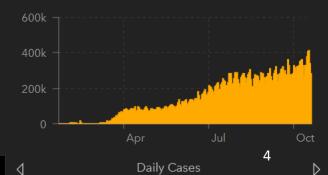
868,675 Peru

Admin0

Last Updated at (M/D/YYYY) 10/19/2020, 9:24 PM



Global Deaths US State Level 1,117,539 Deaths, Recovered 220,110 deaths 33,366 US deaths, 78,442 154,176 deaths New York US Brazil 17,481 114,610 deaths deaths, 729,762 India Texas US 86,338 deaths Mexico 16,982 deaths, **43.816** deaths California US I Inited Vinadom Global Dea... ⟨ US Deaths,... ⟩



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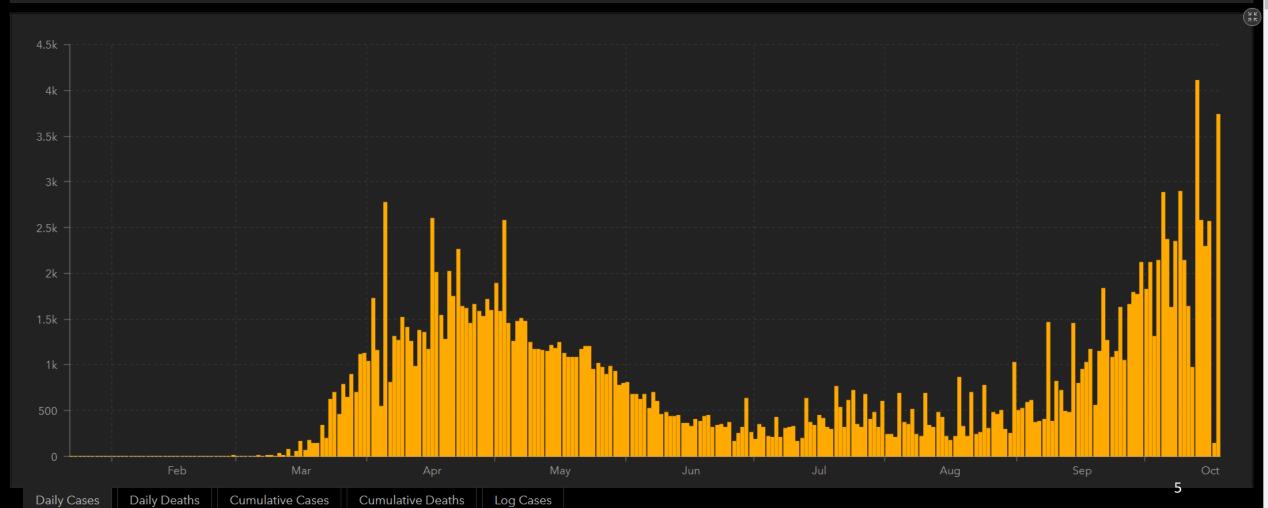
Global Map

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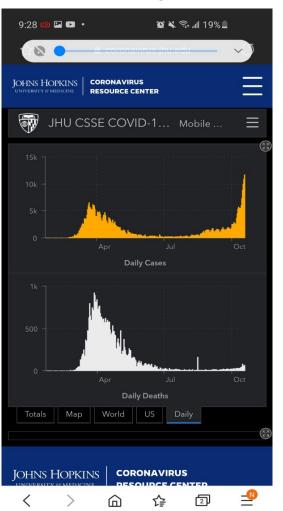


Second Waves Around the World...

France · 🖪 🗗 • **② ¾** ♠ 19% **■** ♠ coronavirus.jhu.edu JOHNS HOPKINS | CORONAVIRUS JHU CSSE COVID-1... Mobile ... **Daily Cases Daily Deaths** JOHNS HOPKINS CORONAVIRUS

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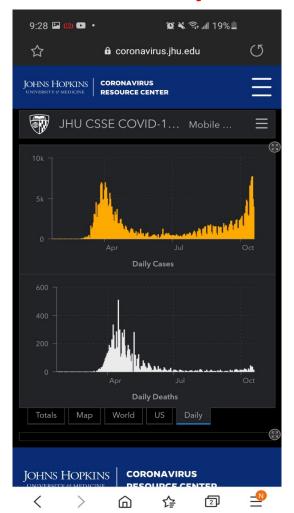
Italy



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 Π

Germany



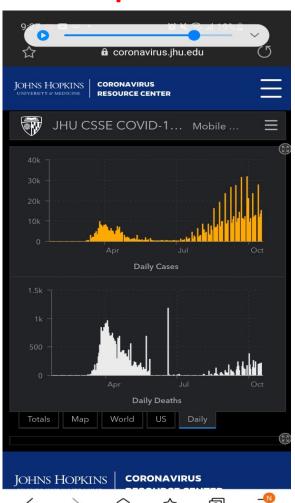
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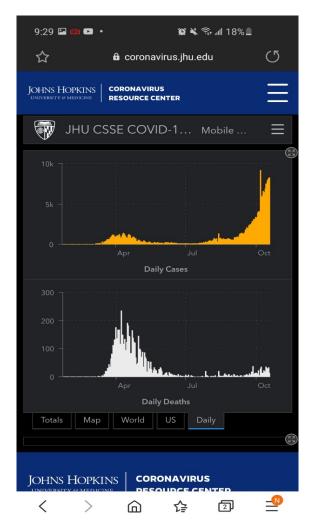
Second Waves Around the World...

Spain



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Netherlands



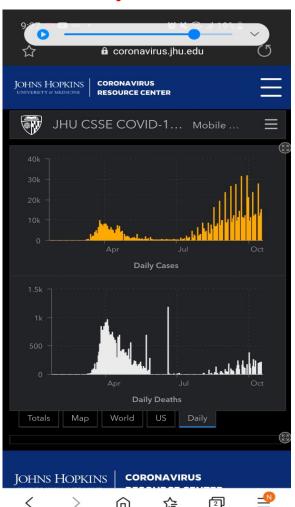
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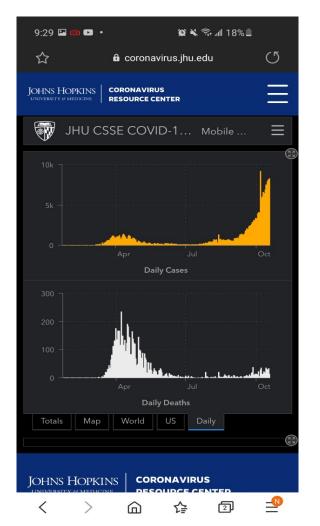
Second Waves Around the World...

Spain



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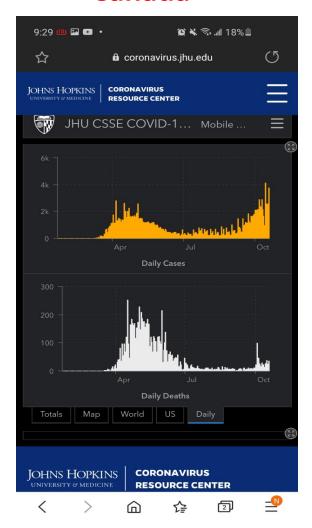
Netherlands



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Canada



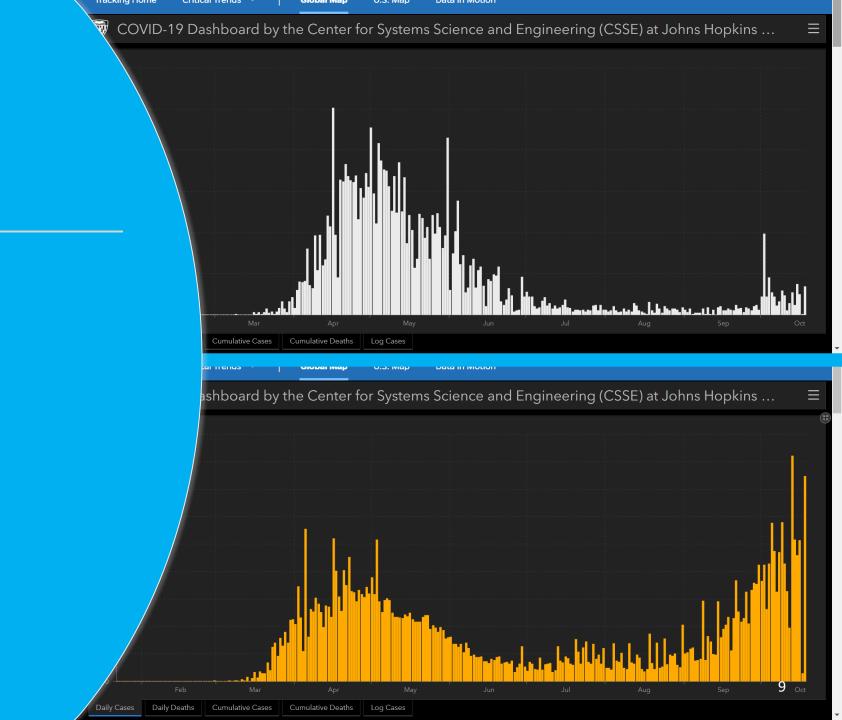
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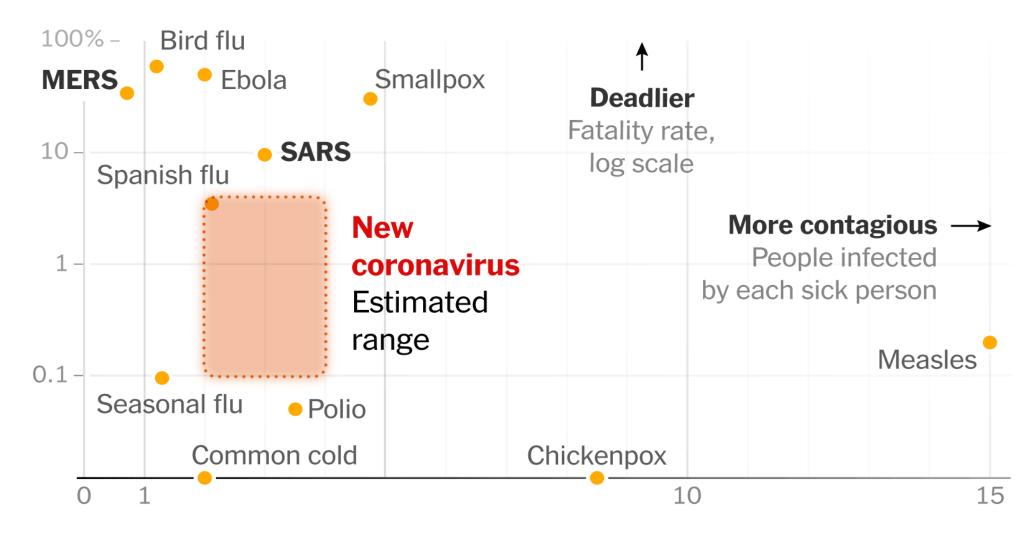
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A changing picture

- Demographics?
- Virulence of the virus?
- Inoculum effects?
- More diagnostic testing?
- Better treatment?
- Other?

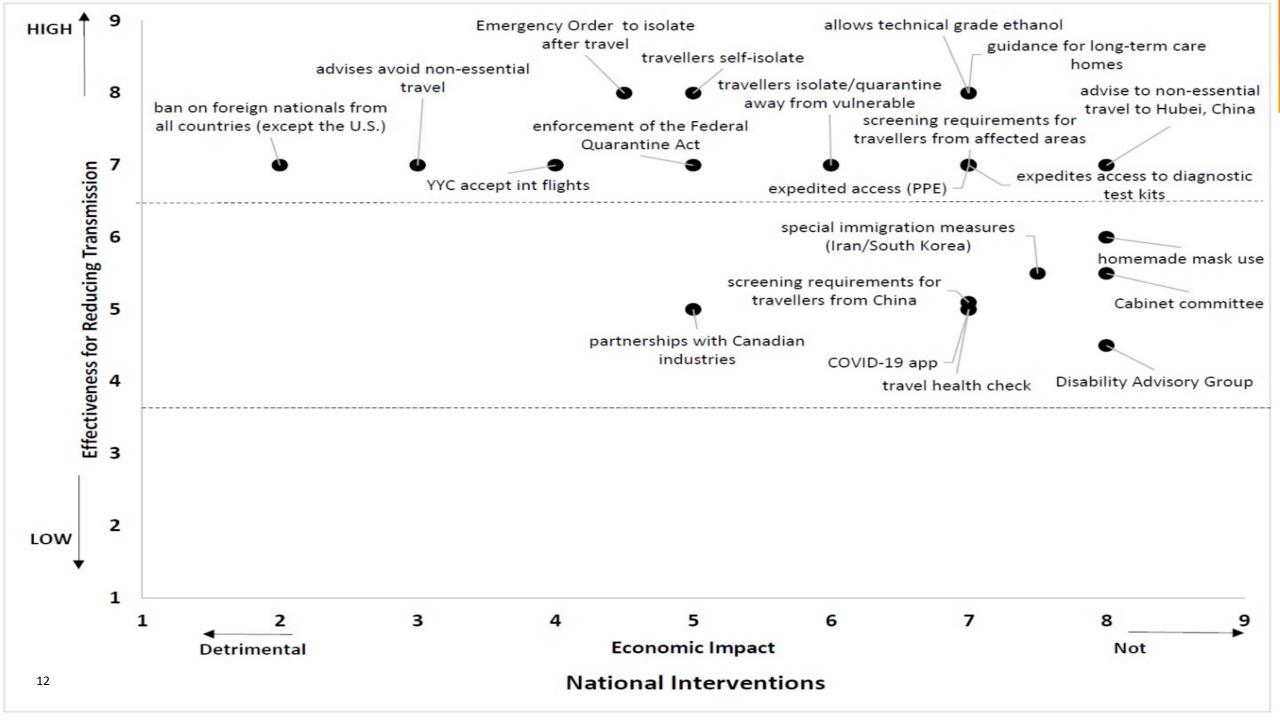


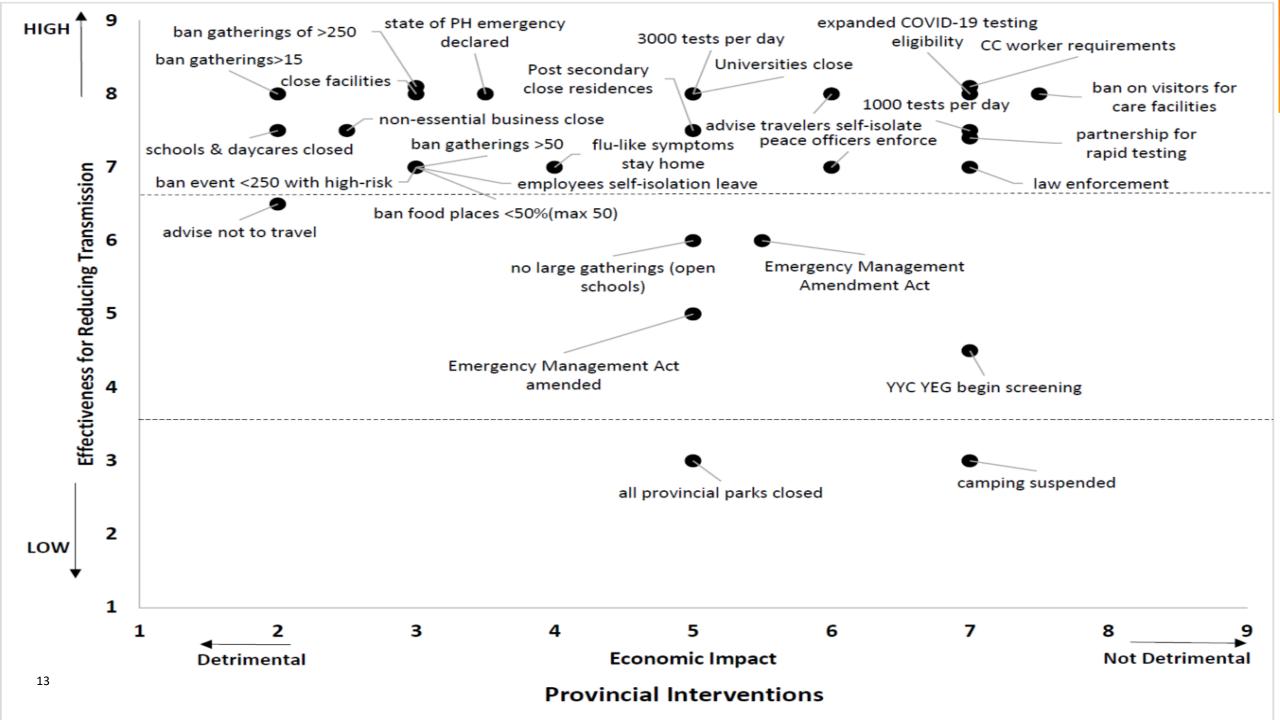
How deadly...and how contagious?

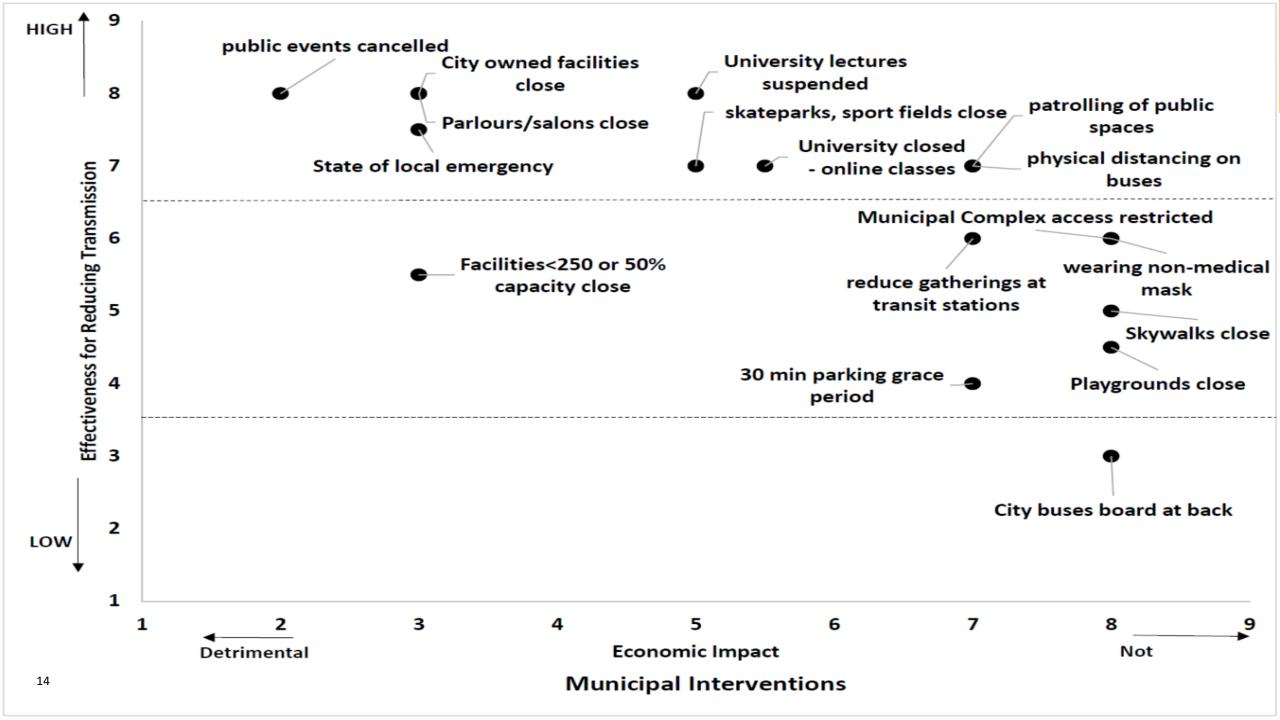














CORONAVIRUS



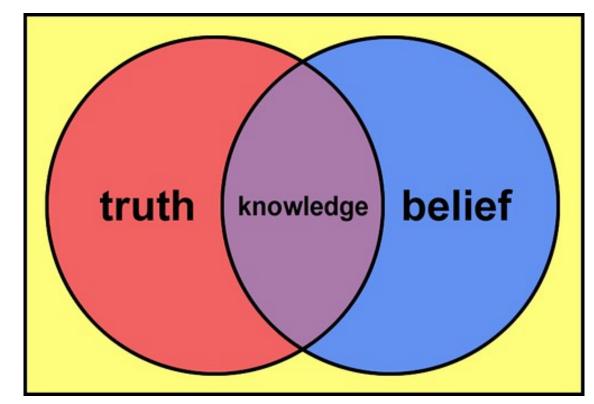
COVID-19: The Science Lesson of 2020

- A new virus and illness
- No one knew anything in December
- Now -- 57,600 PubMed results
- Swirling public health messages
- Swirling information in social media
- +++ public debate
- +++ controversies

Epistemology

Epistemology, the philosophical study of the nature, origin, and limits of human knowledge.

The term is derived from the Greek epistēmē ("knowledge") and logos ("reason"), and accordingly the field is sometimes referred to as the theory of knowledge.



https://search.creativecommons.org/photos/be6a1568-2e31-4ea8-93f6-bdd86becd32c



Thank you.

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(for any follow-up inquiries)

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