



COVID-19 Update

Dr Mark Cunningham-Hill
Medical Director NEBGH

Monday August 3rd

Tale of Two Cities

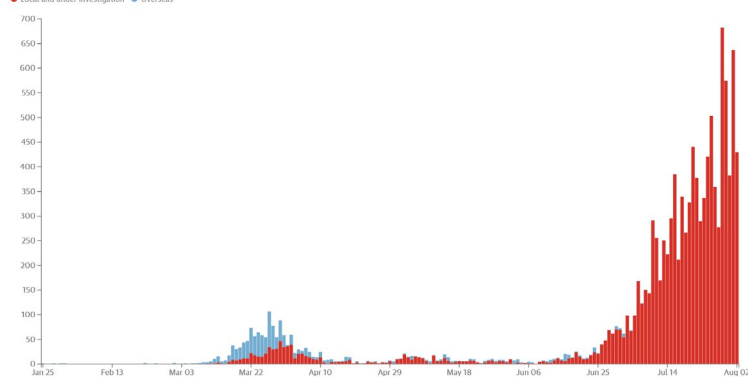
Melbourne (4.9M)

- 136 cases per million
- COVID test positive rate 0.6%
- Initial lock down of neighborhoods
- Now complete lockdown and 8pm-5am curfew

Source of Covid-19 infections in Victoria

Showing the daily count of new cases by the source of infection. The most recent day is from a media release or press conference, and should be considered preliminary. Last updated 2020-08-02

● Local and under investigation ● Overseas



Miami (2.7M)

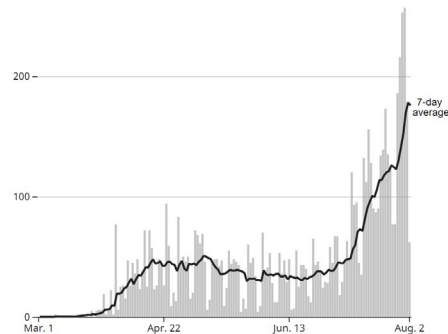
- 1,007 cases per million
- COVID test positive rate 19%
- Slow to close beaches and bars
- Early July – mask mandate. Now increasing fines

New known cases by day



Source: Johns Hopkins University CSSE | Updates daily

New deaths by day

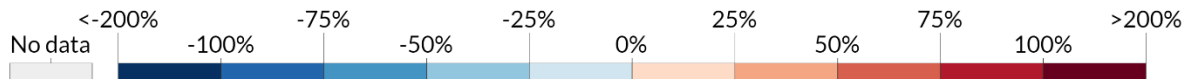
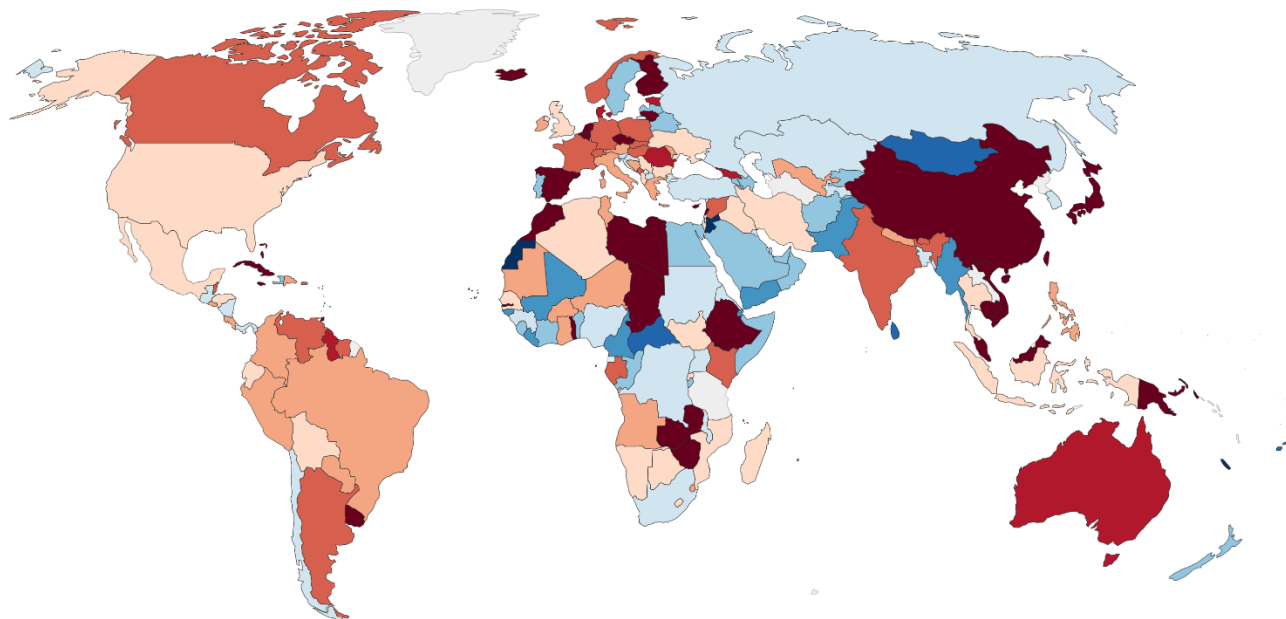


Trending Better

Biweekly change in confirmed COVID-19 cases, Aug 2, 2020

The biweekly growth rate on any given date measures the percentage change in the number of new confirmed cases over the last 14 days relative to the number in the previous 14 days.

Our World
in Data



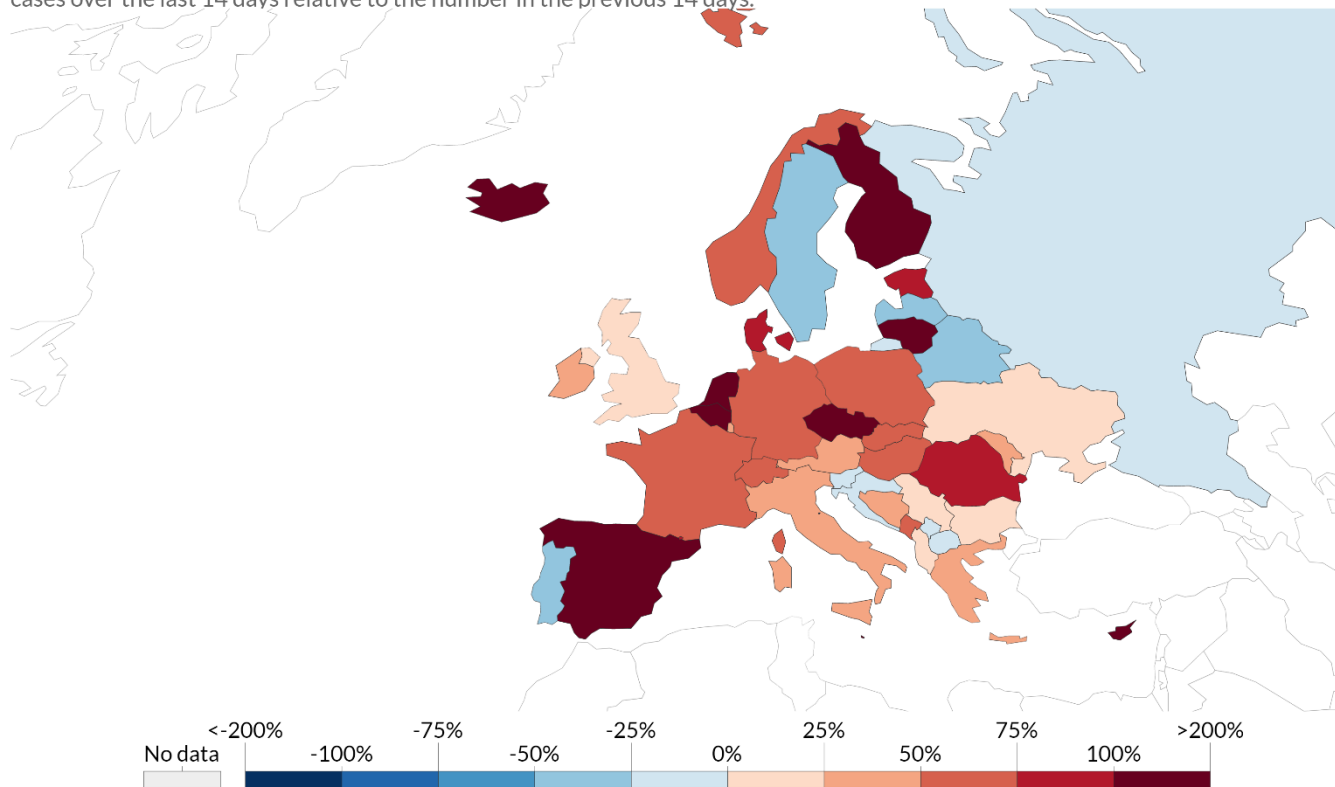
Source: European CDC – Situation Update Worldwide – Last updated 2 August, 10:02 (London time)

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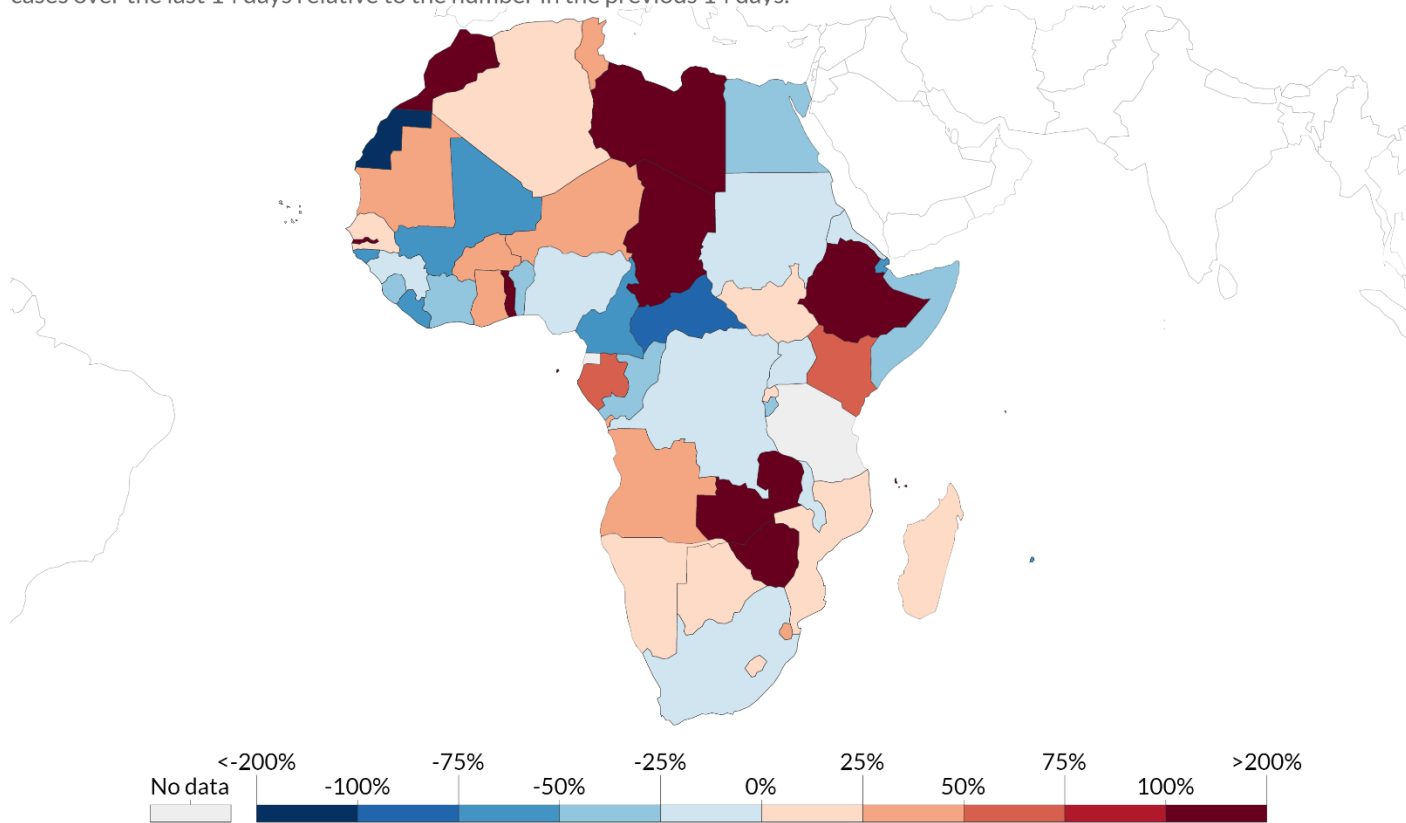
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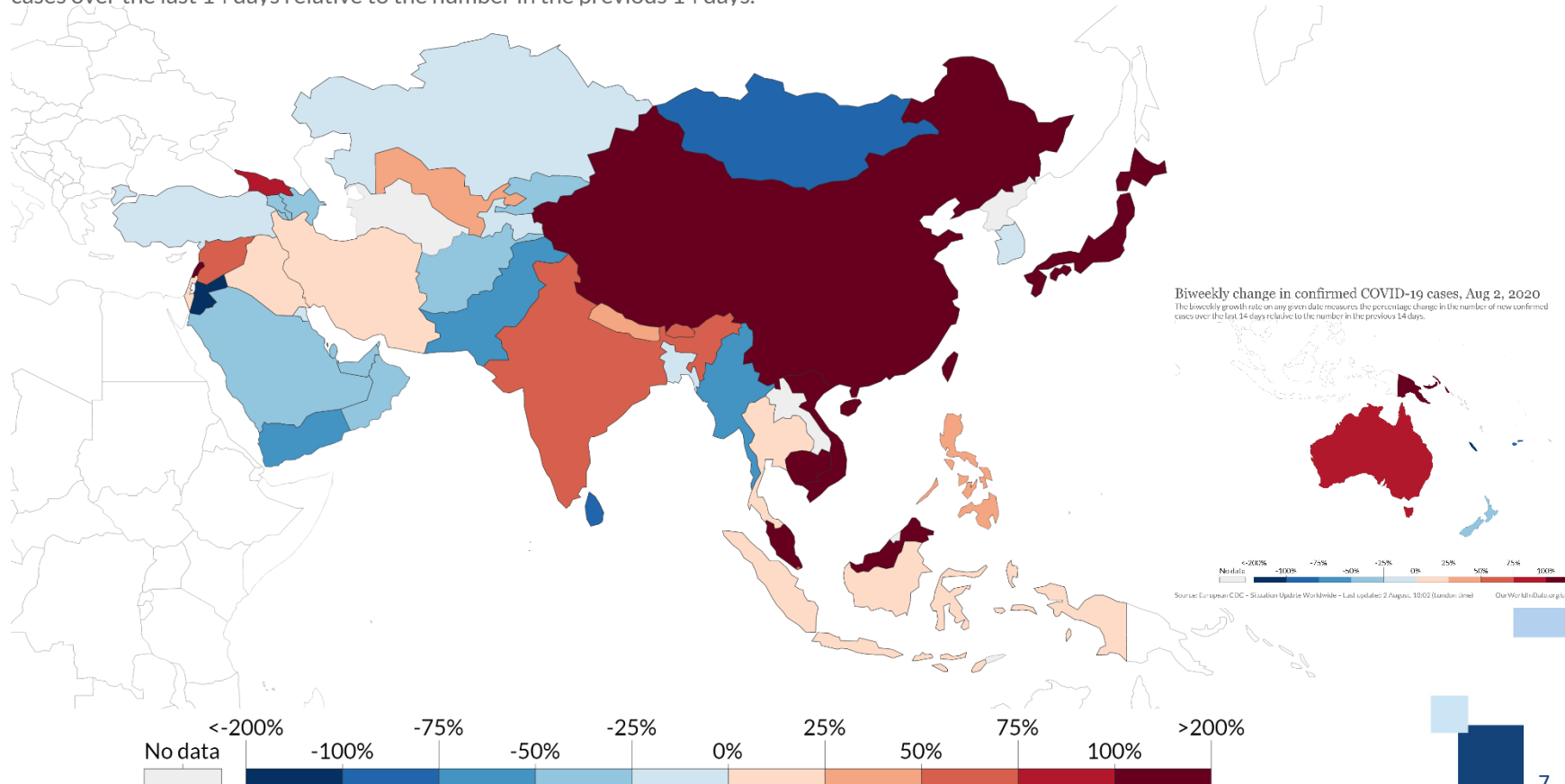


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Schools

- Georgia YMCA Camp
 - 260 cases linked to children and staff
 - Negative COVID test ≤ 12 days before arriving
 - Indoor and outdoor activities
 - Singing +++
 - Limited use of masks
 - Attack rate 44% (probably higher)



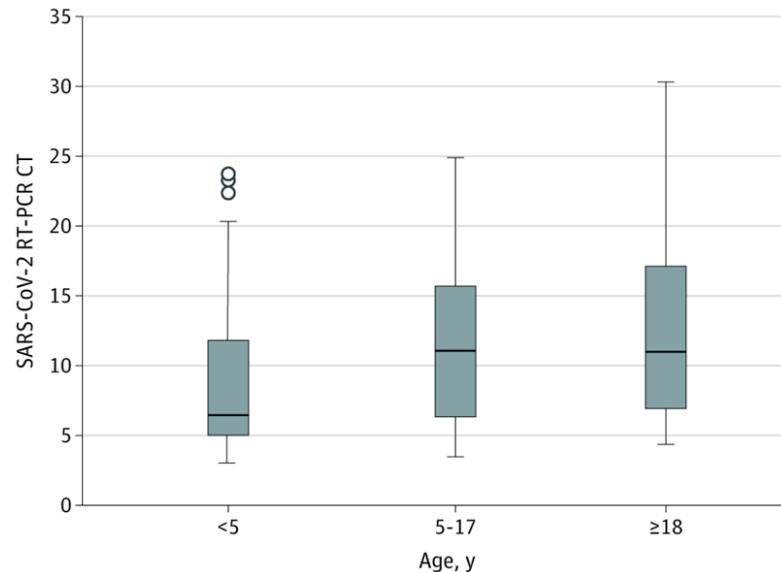
Children COVID Studies

- Viral load

- 10-100x higher in children under 5
- So while young children do not get sick as often young children can potentially be important drivers of SARS-CoV-2
- Impact for kindergarten and early school years

- Korea study

- Adolescents between 10 and 19 years old transmitted the disease just as frequently as adults



Masks & Face Shields



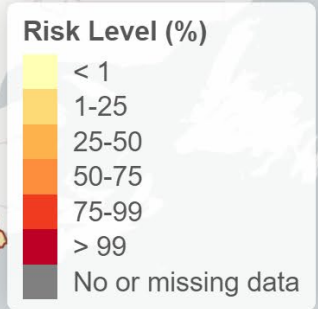
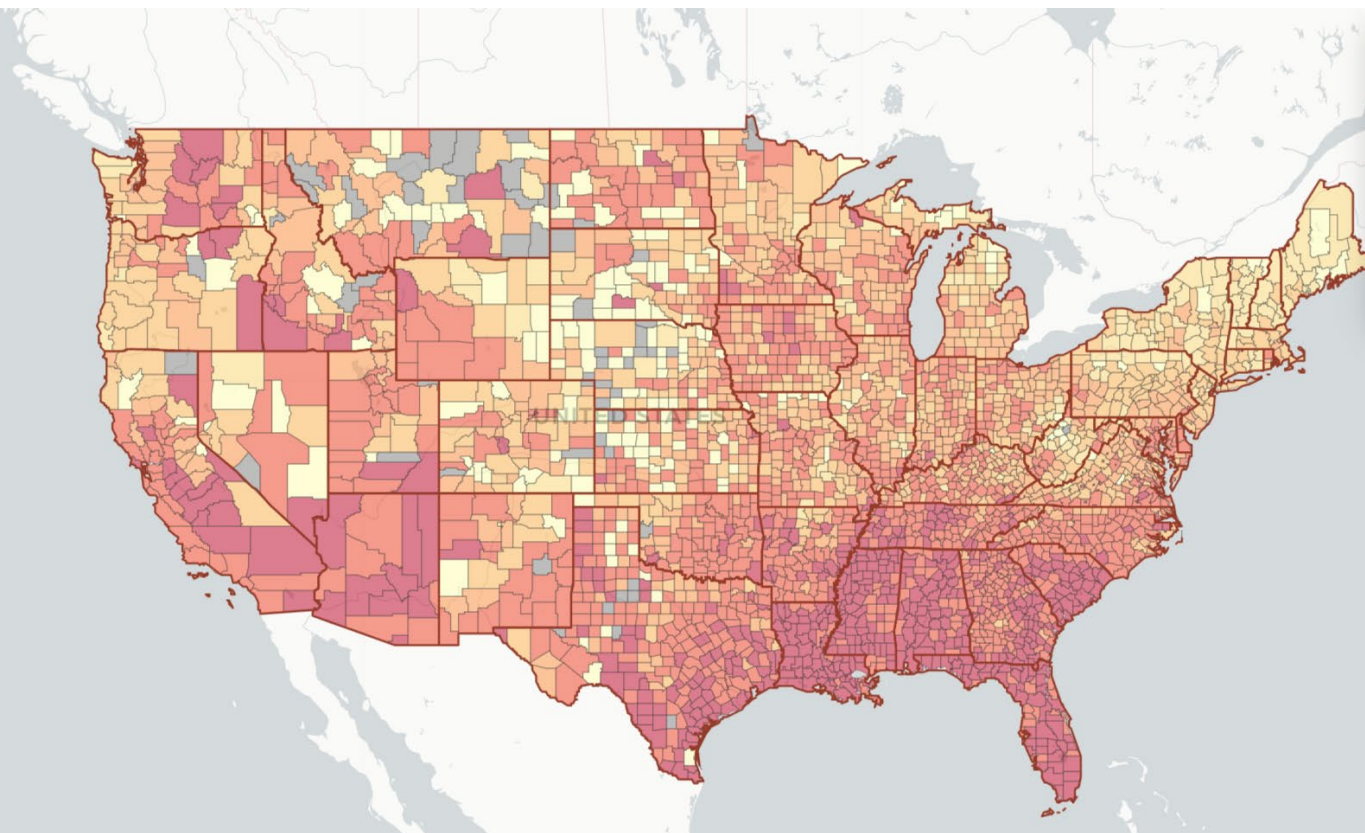
- Protects others 70%
- Protects you 25%
- Good at slowing spread



- Protects others < masks
- Protects you – eyes, avoid touching face



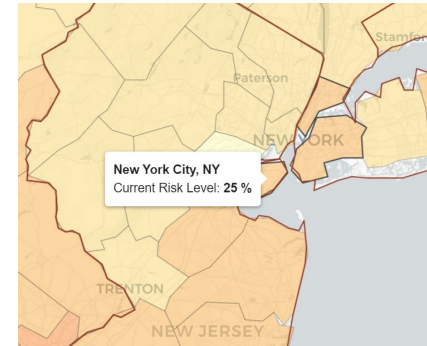
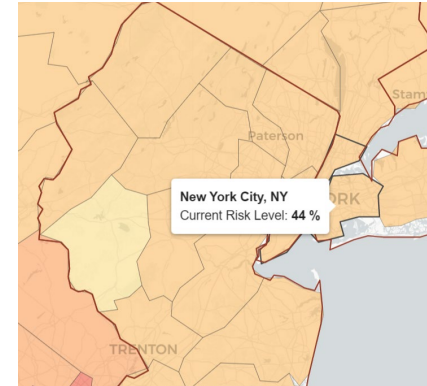
- Wearing both offers maximum protection



100 People Returning to the Office

- Risk of one person being COVID+ 25-44%
 - Ascertainment bias – assumption that there are more cases in community than those that have been tested
 - 5 x = 25%
 - 10 x = 44%

COVID+ person in the workforce doesn't mean you will have other cases due to other controls
but it does increase the risk



Miami Comparison

- 25 people in the office
 - 5x = 85% chance
 - 10x = 98% chance





Questions