



Andy Rowell

Follow @AndyRowell

2,622 followers



Apr 10th 2020, 19 tweets, 5 min read

Bookmark

Save as PDF

+ My Authors

I have not seen any expert who thinks the IHME projection modeling is excellent. It is based on reported covid deaths and it is regularly redone to fit curves in other countries. It was just invented in March to help the state of WA. It is an estimate based on Wuhan and Italy.

But there is no other public updated national model. So, it is useful to give the public some idea since tens of thousands is hard to picture. But it fluctuates based on reported deaths. It does not take into account poor testing. See threads below to learn more.

Unroll available on Thread Reader

SSW
@SimonSW13

Replying to @SimonSW13

11/ So in summary this is what they do:
Curve fitting for cumulative death rate + statistical model to account for statistical noise + adjusting for uncertainty.

9:49 PM · Apr 9, 2020

4 See SSW's other Tweets

Unroll available on Thread Reader

Natalie E. Dean, PhD
@nataliexdean

Replying to @nataliexdean

3/ That is because the model fits a curve to deaths and then uses this curve to extrapolate backwards how many people are hospitalized and need ventilators.

Multiplying by 7.1 will suggest smaller need than multiplying by 11.1.

3:47 PM · Apr 9, 2020

48 See Natalie E. Dean, PhD's other Tweets

Unroll available on Thread Reader

Robert Rohde
@RARohde

Replying to @RARohde

Just as important though, their model only really tells us about what might happen during the initial wave.

Follow Us on Twitter!

Tweet Share

additional waves of infection are possible.

10:36 AM · Apr 8, 2020



10 See Robert Rohde's other Tweets

Unroll available on Thread Reader



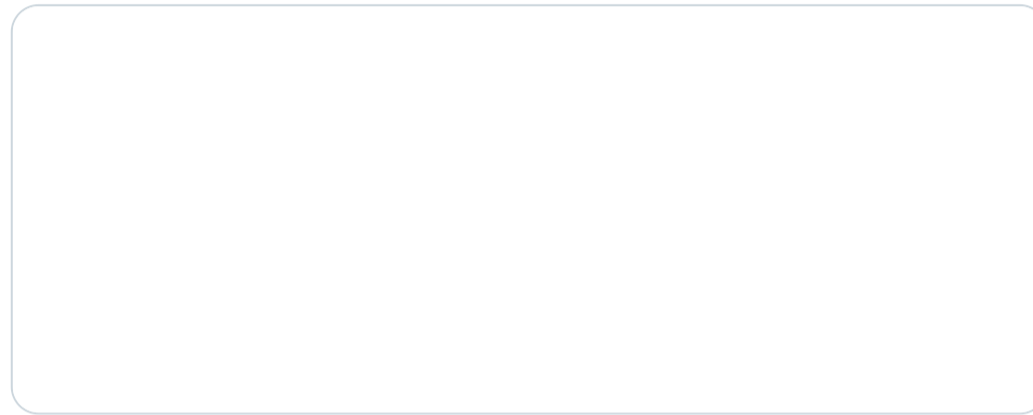
Carl T. Bergstrom
@CT_Bergstrom



Replying to @CT_Bergstrom

11. The key thing I want to focus on is that estimate of the peak timing in the model is extremely sensitive to small perturbations, and thus in my opinion unreliable.

Below is a loose hand-alignment of the IHME projections on 3/6 with those from one day earlier, on 3/5.



5:44 PM · Apr 7, 2020



63 See Carl T. Bergstrom's other Tweets

Unroll available on Thread Reader



Carl T. Bergstrom
@CT_Bergstrom



Replying to @CT_Bergstrom

2. In my thread, below, I expressed concern about whether noisy, possibly under-reported data on deaths this early-on in time are adequate to predict the timing and height of the peaks. I remain concerned but uncertain of how big of a problem this is.

Carl T. Bergstrom @CT_Bergstrom

1. A somewhat more technical thread than usual.

I'm trying to understand the new @UW_IHME #COVID19 forecasting model that was released this morning.

Here is a web page with background, a link to a whitepaper, and estimates for US states: healthdata.org/research-artic...

9:35 PM · Mar 30, 2020



190 ⚡ See the latest COVID-19 information on Twitter



Gregg Gonsalves
@gregggonsalves



Follow Us on Twitter!

Tweet Share

that take a more disease specific approach.

 **Tom Bollyky** @TomBollyky

"The stark differences between the IHME model and dozens of others being created by states exposes the glaring lack of national models provided publicly by the White House or CDC" #COVID19
[washingtonpost.com/health/2020/04...](https://www.washingtonpost.com/health/2020/04...)

5:13 AM · Apr 7, 2020



 37  See the latest COVID-19 information on Twitter

 **Robert Rohde**
 @RARohde




Replying to @RARohde

As a data modeler, I was rather expecting this after reading the IHME model description.

Since it is being calibrated against individual state reported deaths, this model is going to be quite sensitive to small changes in the early reported death rates and any noise in the data.

5:21 PM · Apr 6, 2020



 13  See Robert Rohde's other Tweets

 **Andy Rowell**
 @AndyRowell



Replying to @AndyRowell

IHME model is "based on observed death rates, and so are not influenced by differences in testing ...changes in death rates would alter the model, but changes in the number of observed cases, or in how states are testing, would not."

healthdata.org/covid/faqs

 **Robert Rohde** @RARohde



Replying to @RARohde

Updated IHME predictions for peak death timing for US states.

I was kind of expecting this to happen, but the update substantially narrows the range of peak times. All states are now predicted to have a peak in April, some soon and others towards the end of the month.

4:20 PM · Apr 6, 2020



  See Andy Rowell's other Tweets

Huge: It only models the first wave and assumes only 3% will be infected. "Our model says that social distancing will likely lead to the end of the first wave of the epidemic by early June ... an estimated 97% of the population will still be susceptible."

COVID-19 model FAQs
 Find answers to frequently asked questions about our COVID-19 projections model.
<http://www.healthdata.org/covid/faqs>

We see evidence that in hard-hit areas, 14% are affected in the first wave.

Andy Rowell @AndyRowell

Replying to @NACristakis

Other good threads on this echoing same ideas:
twitter.com/angie_rasmusse...
twitter.com/AdamJKucharski...
twitter.com/JeremyKonyndyk...
twitter.com/RARohde/status...
twitter.com/michaelmina_la...

"Rabbits are easy to litter-train" Smith @Noahpinion

This is more asymptomatic cases than I expected! Still not nearly enough to support the "most people have already had it" fantasy. But good news nonetheless! twitter.com/NACristakis/s...

3:31 PM · Apr 9, 2020

1 See Andy Rowell's other Tweets

The point is that a huge number of people (97-86% of people) are still vulnerable to outbreaks after the first wave is slowed due to lock-downs.

Also the second wave begins not long after the first wave are supposedly stopped.

The New York Times @nytimes

Hong Kong, Singapore and Taiwan — once heralded for early successes in battling the pandemic — are now confronting a new wave of coronavirus cases

Follow Us on Twitter!

Tweet Share



@threadreaderapp unroll

You can [practice here](#) first or read more on our [help page!](#)

More from @AndyRowell

see all

Andy Rowell
@AndyRowell
a day ago

Luke Barnett (Senior Pastor of Dream City Church) at the Evangelicals for Trump Coalition Launch rally at King Jesus International Ministry in Miami on Friday January 3, 2020 and at the White House Oct 29, 2019.

Read 30 tweets

Andy Rowell
@AndyRowell
Jun 15th 2020

I deleted this comment on Instagram and Twitter because I see that Sean Feucht did not set up the stage. Organizers: facebook.com/groups/6257129... Locals: Curtis Farrar and Alfonzo Williams of Worldwide Outreach Ministries. foxnews.com/us/floyd-minne...?, reuters.com/article/us-min...

A little research into those involved with the worship and preaching at the site of George Floyd's death. Curtis Farrar pastors a small church on the corner where George Floyd was

Read 40 tweets

Andy Rowell
@AndyRowell
May 30th 2020

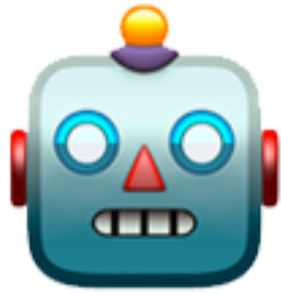
So the story tonight in Minneapolis, (perhaps because I follow many journalists) is media getting shot with rubber bullets, gassed, and arrested as they get between protesters and police. (Many media were terrified of the mayhem without police presence the last two nights).

Law enforcement seem to not understand protocol around ignoring media. Media seem to be confident that they can go wherever they want because of their press credentials. I think

Follow Us on Twitter!

Tweet Share

Read 54 tweets



Did Thread Reader help you today?

Support us! We are indie developers!

This site is made by just two indie developers on a laptop doing marketing, support and development! [Read more about the story.](#)

Become a Premium Member (\$3.00/month or \$30.00/year) and get exclusive features!

 [Become Premium](#)

Too expensive? Make a small donation by buying us coffee (\$5) or help with server cost (\$10)

 [Donate via Paypal](#) |  [Become our Patreon](#)

♥♥ Thank you for your support! ♥♥



[Help](#) | [About](#) | [TOS](#) | [Privacy](#)

 [Follow Us on Twitter!](#)

 [Tweet](#)

 [Share](#)

Why Coronavirus Cases Have Spiked in Hong Kong, Singapore and Taiwan
 Once heralded for keeping their case counts low, Hong Kong, Singapore and Taiwan have recently seen a surge in numbers, largely fueled by ...
 nytimes.com

3:20 AM · Apr 10, 2020



832 ⚡ See the latest COVID-19 information on Twitter

Other models:

Nicholas G. Reich @reichlab

Replying to @AndyRowell

Not true that there are not other public models. here are a few:
covid-19.bsvgateway.org
gleamproject.org/covid-19
columbia.maps.arcgis.com/apps/webappvie...



COVID-19 weekly forecasts
 Since the emergence of the new coronavirus (COVID-19) in December 2019, we have adopted a policy of ...
 imperial.ac.uk

10:46 AM · Apr 10, 2020

2 👤 See Nicholas G. Reich's other Tweets

GLEAM national model: gleamproject.org/covid-19#model April 11 peak time for deaths in the US.

LANL state model: covid-19.bsvgateway.org Cases will peak mid-April to mid-May.

CU Epi county medical capacity: columbia.maps.arcgis.com/apps/webappvie...

Justin Wolfers @JustinWolfers

Phrases to live by.

Steve Herman @W7VOA

Replying to @W7VOA

On the death projection going lower (to ~60,000 for the US), "data is real, models are hypothesis," says Dr. Anthony Fauci.

Follow Us on Twitter!

Tweet Share

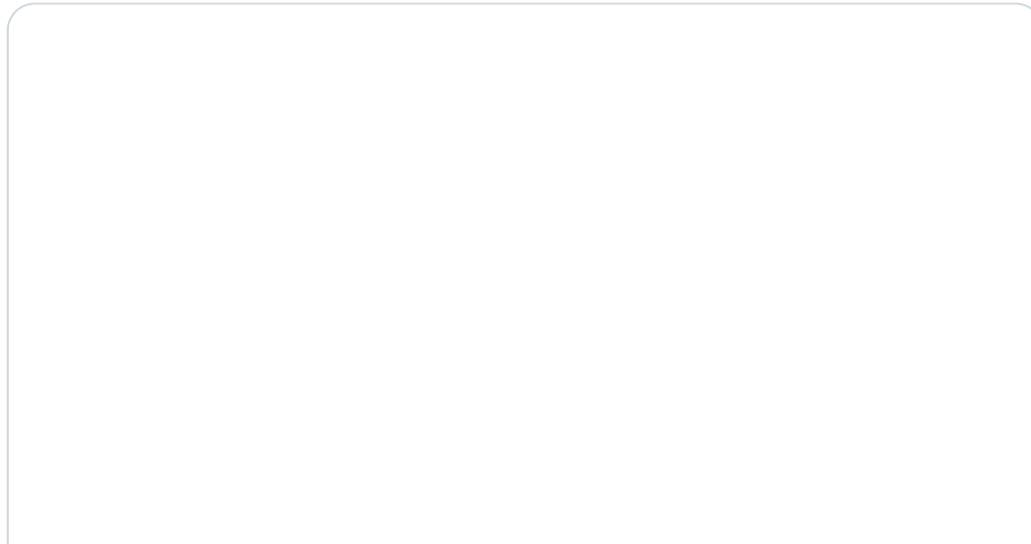
346 60 people are Tweeting about this



Nicole Kaeding @NKaeding



Interesting piece on why the IHME model might not be accurate.



Influential Covid-19 model shouldn't guide U.S. policies, critics say - STAT
Epidemiologists are criticizing an influential coronavirus model as flawed and warning against relying on it as the basis for government decision-...
[statnews.com](https://www.statnews.com)

10:21 AM · Apr 17, 2020



5 See Nicole Kaeding's other Tweets



Andy Rowell @AndyRowell



Replying to @CT_Bergstrom and @IHME_UW

Similar thread asking same question:

Douglas Webber @dougwebberecon
There should be WAY more prediction error two weeks from now relative to tomorrow. The fact that there isn't (I think) means they are shutting down some important channels of uncertainty.
[twitter.com/dougwebberecon...](https://twitter.com/dougwebberecon)

9:26 PM · Apr 11, 2020 from Minneapolis, MN



1 See Andy Rowell's other Tweets



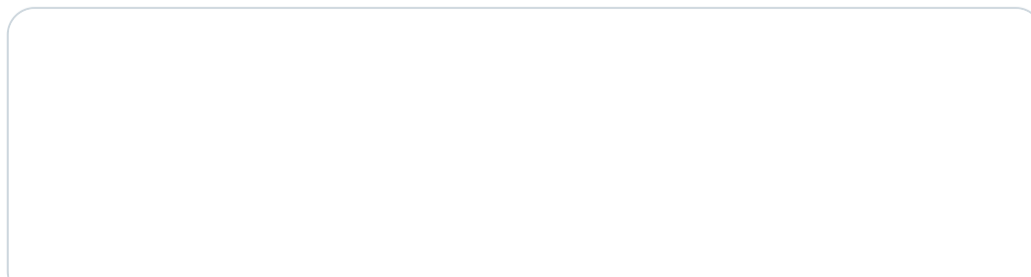
Andy Rowell @AndyRowell



Replying to @AndyRowell

The Minnesota officials rightly pointed out that the IHME model only focuses on the first wave and assumes stay-at-home indefinitely.

twitter.com/TheoKeith/stat...,
mn.gov/covid19/data/m...



Follow Us on Twitter!

Tweet

Share

I have not seen any expert who thinks the IHME projection modeling is excellent. It is based on reported covid deaths and it is regularly redone to fit curves in other countries. It was just invented in March to help the state of WA. It is an estimate based on Wuhan and Italy.

12:40 AM · Apr 11, 2020 from Minneapolis, MN



See the latest COVID-19 information on Twitter

Unroll available on Thread Reader

Natalie E. Dean, PhD @nataliexdean



Replying to @nataliexdean

These figures were created using IHME's method. Importantly, the projections are unreliable even in populations where the peak in daily deaths has been clearly observed (Spain, Italy). Now think about trying to make projections in a place where the curve is still only rising.

3:04 PM · Apr 17, 2020



63 17 people are Tweeting about this

Missing some Tweet in this thread? You can try to [force a refresh](#).

Tweet	Share	Email	Embed
-------	-------	-------	-------

Keep Current with [Andy Rowell](#)



Stay in touch and get notified when new unrolls are available from this author!

+ Add to "My Authors"

Read all threads

This Thread may be Removed Anytime!



Twitter may remove this content at anytime, convert it as a PDF, save and print for later use!

Save this thread as PDF

Try unrolling a thread yourself!

1) Follow [Thread Reader App on Twitter](#) so you can easily mention us!

2) Go to a Twitter thread (series of Tweets by the same user) and mention us with a keyword "unroll"

Follow Us on Twitter!

Tweet Share