



tern
@1goodtern



I started making this just to help figure out some things, but I might as well share it...

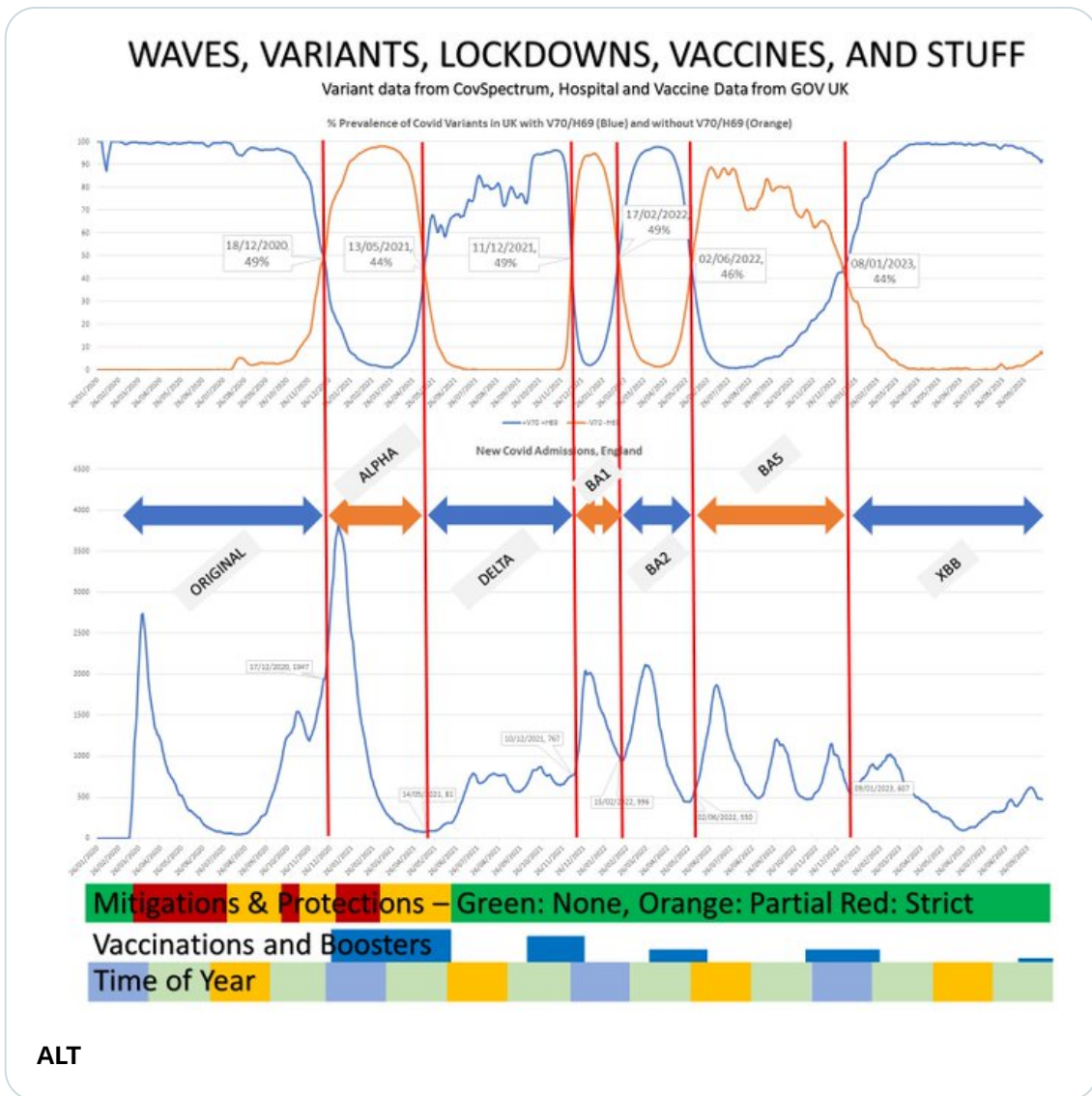
Do you want to hear the story of the pandemic in the UK?

Waves, Variants, Lockdowns, Vaccines, and Stuff



🌍 And where we're going in the next three months.

Post vertalen



ALT

9:32 p.m. · 8 nov. 2023 · 154,5K Weergaven

51

611

1,5K

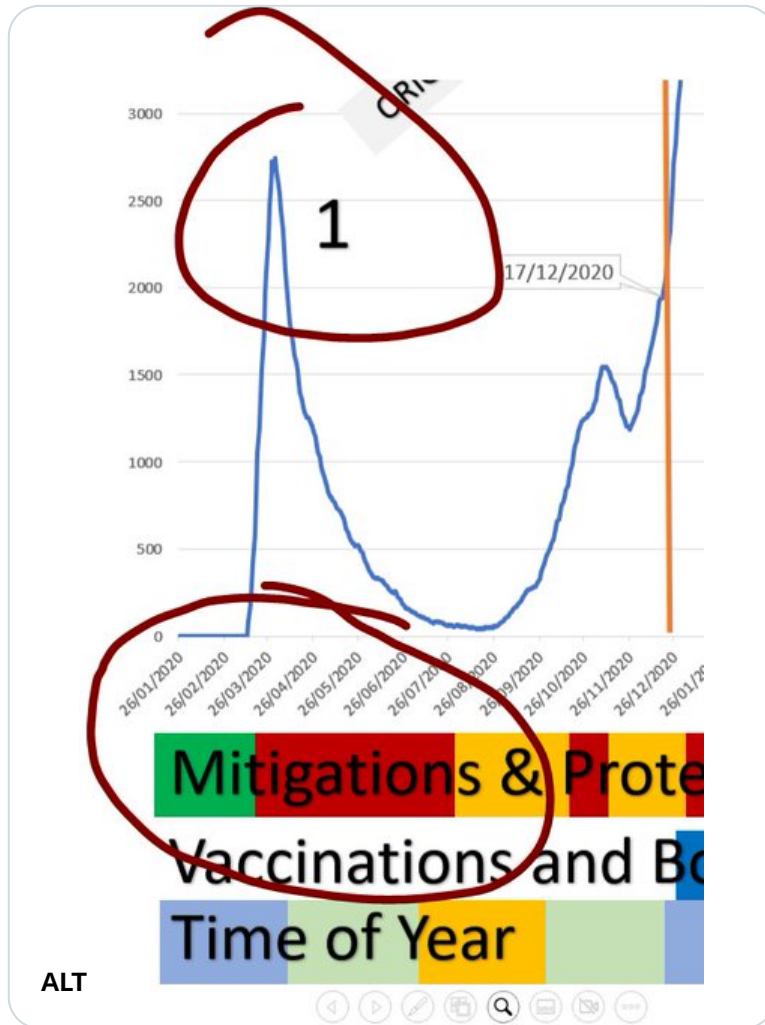
508





tern @1goodtern · 8 nov. ...

Starting with that first wave, that's nice and easy.
It started with the introduction of the original strain to the UK.
Hospitalisations began to go through the roof, in came a load of strict
measures (red at the bottom) to clamp things down, cases fell.



1 17 187 5,8K



tern @1goodtern · 8 nov. ...

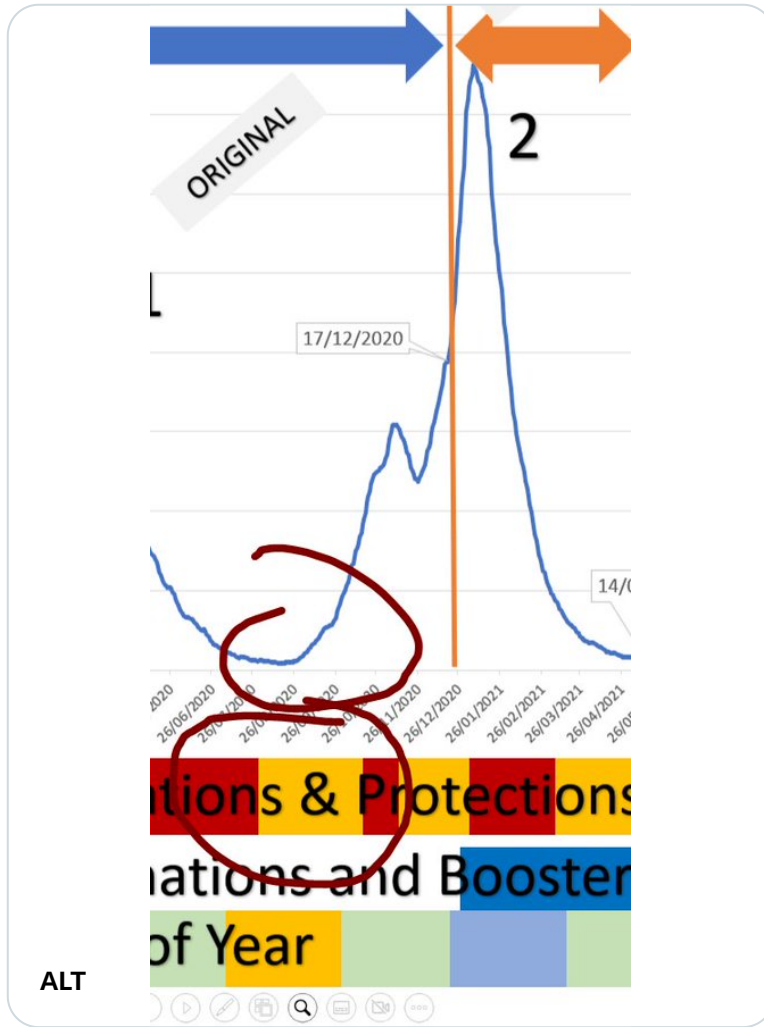
So... Wave 1:
Cause: Original strain
Ended by: Mitigations and Protections

1 14 184 5,1K



tern @1goodtern · 8 nov. ...

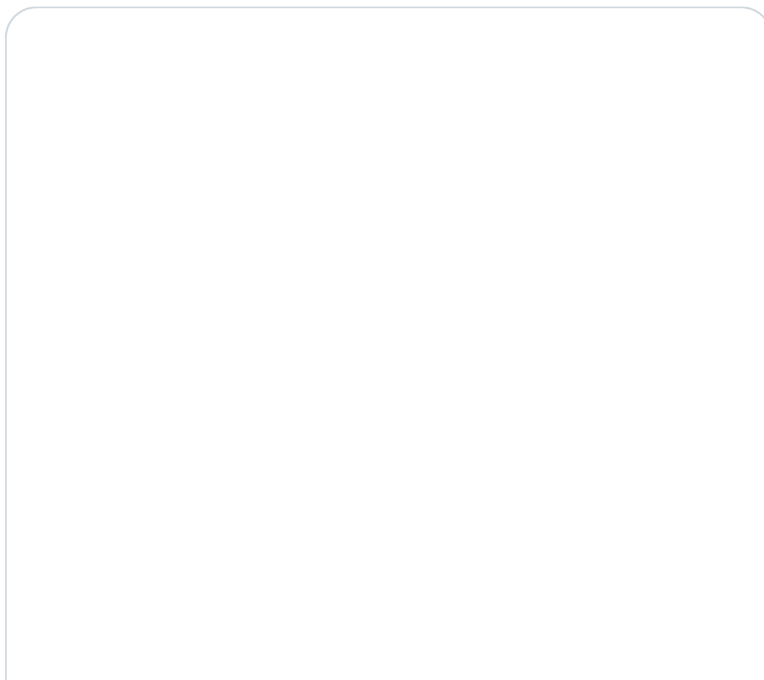
Wave 2 starts with a relaxing of restrictions.
There's not enough infection based immunity around to stop a big surge as things relax.

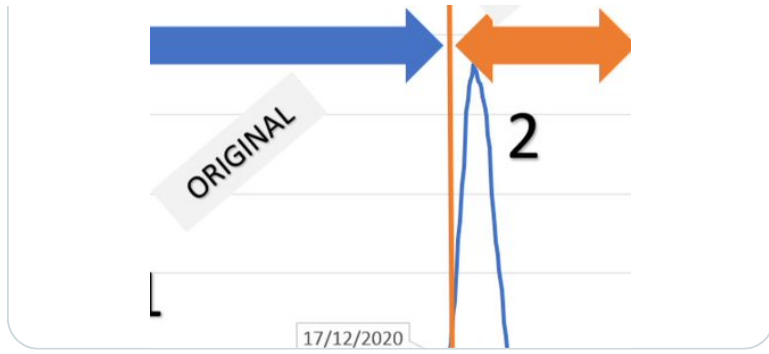


tern @1goodtern · 8 nov.



A tiny dent is put in hospitalisations by a few temporary local and national restrictions, but Boris wants to pile the bodies high and save Christmas, so...





1 19 213 5,9K



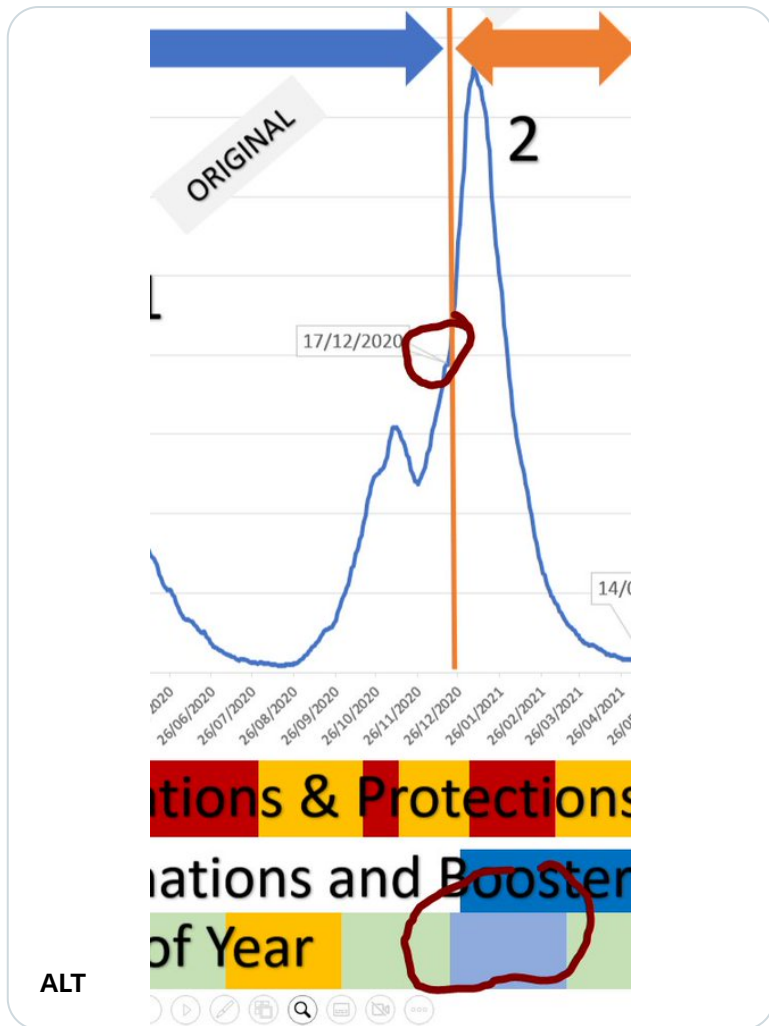
tern @1goodtern · 8 nov.

...

There's loads happening now.

It's coming towards Winter, so folk are inside more with windows and doors shut.

There's a new variant called Alpha - you can actually see the point where the gradient changes as it takes over if you look carefully.



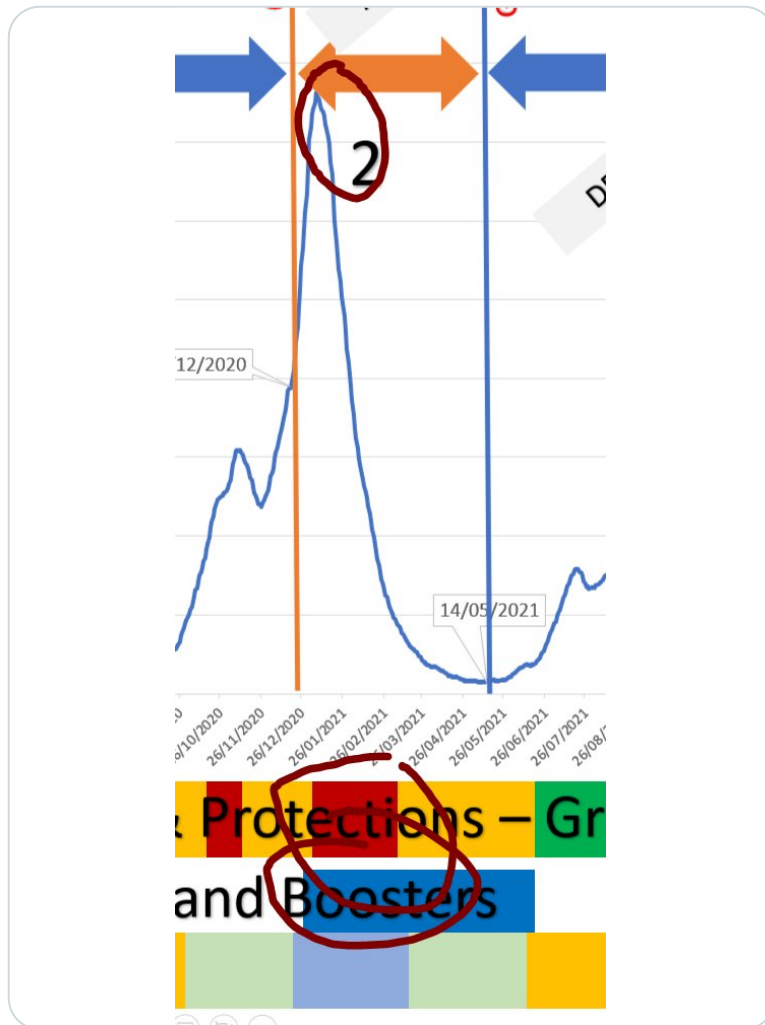
1 13 199 5,1K



tern @1goodtern · 8 nov.

...

But then you have vaccines introduced, some strict lockdown measures, and a load of infection based immunity. Kids especially. Schools were hammered by Covid that Christmas, and then they were locked down after, and they're one of the principle drivers of Covid transmission.



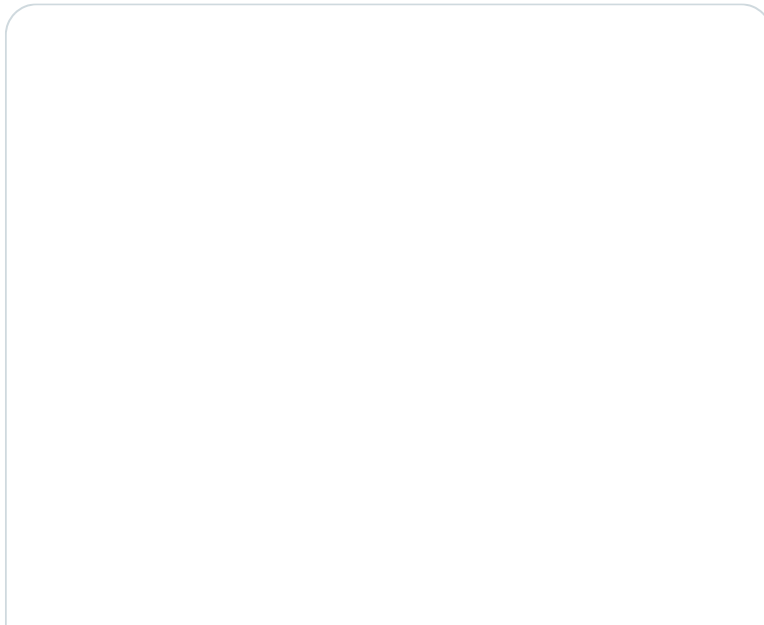
2 17 191 5K

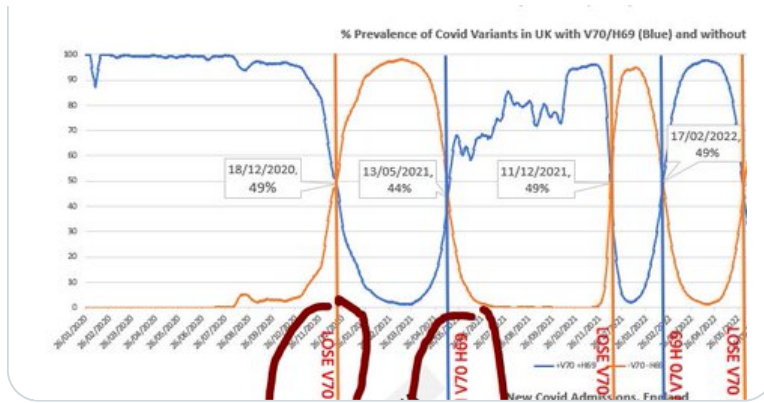


tern @1goodtern · 8 nov.

...

Meanwhile, Covid started one of its tricks - repeatedly losing and gaining a part of the protein spike that seems to help evade existing immunity.





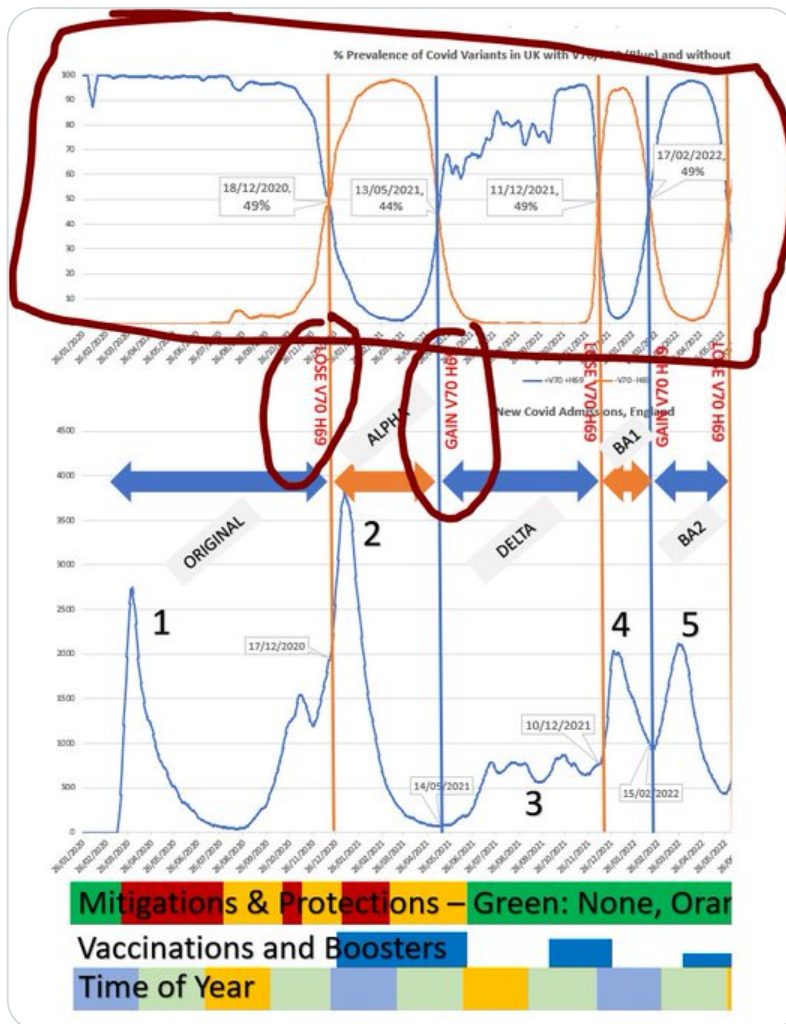
1 27 212 6K [Bookmark] [Share]



tern @1goodtern · 8 nov. ...

So this bit at the top tracks those changes.

It's the percentage of total sequences in the UK that have V70 and H69 (blue line) and the total of sequences that have lost V70 and H69 (orange) Covid lost it in Alpha, then gained it again in Delta

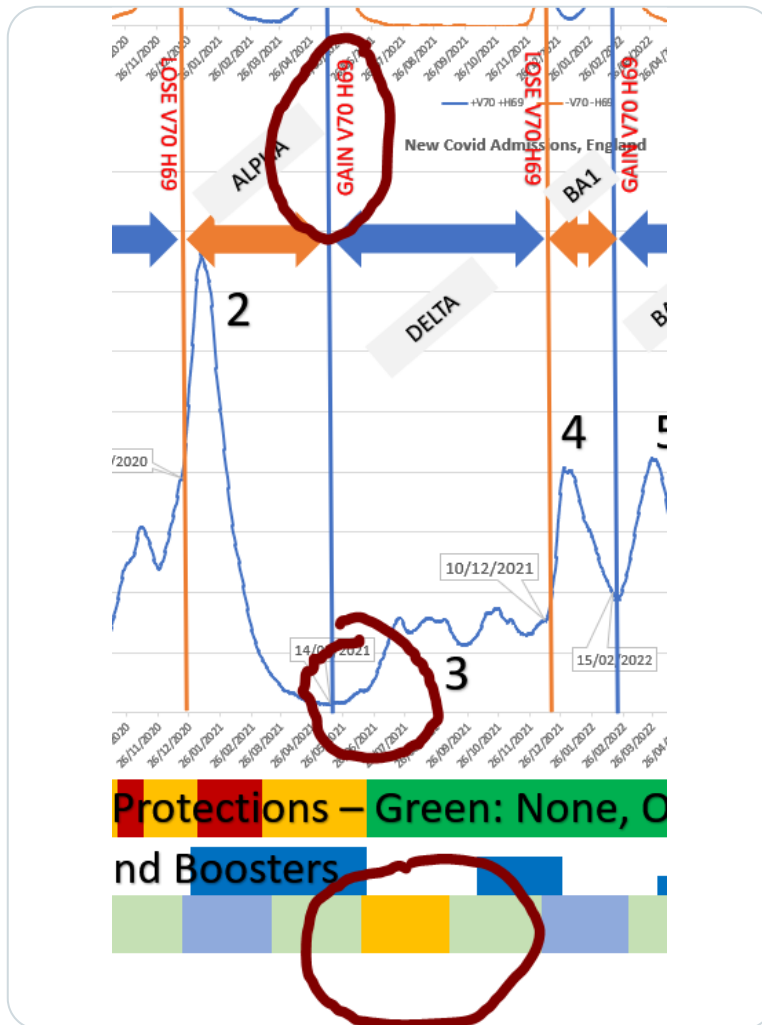


1 16 179 4,1K [Bookmark] [Share]



tern @1goodtern · 8 nov. ...

So Delta gains V70 and H69, and as soon as it starts to dominate, the cases and hospitalisations start to rise again.
Note that this is in the summer.
It's not seasonal.

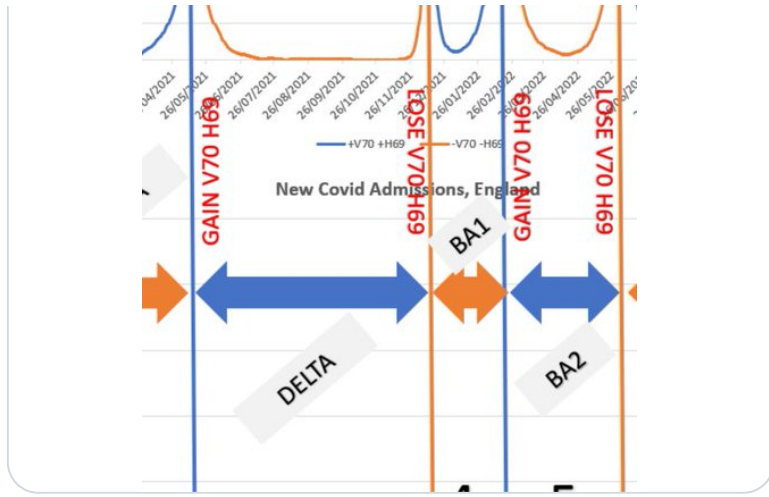


1 17 188 4,1K



tern @1goodtern · 8 nov.

At this point, the only thing holding back Delta is the recent huge vaccination drive and infections based immunity. There are no protections in place other than vaccinations, and the result is a low messy plateau.



1

15

181

3,9K





tern @1goodtern · 8 nov.



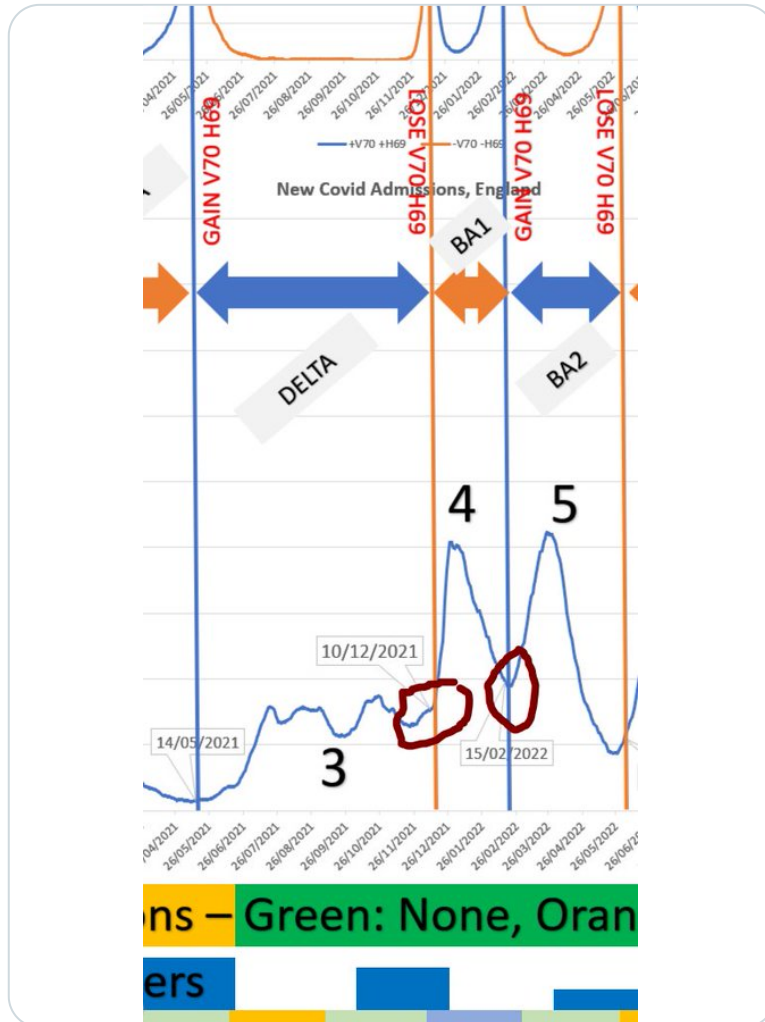
But guess what.

Here comes the switch.

Covid loses V70 and H69, and the pedal goes to the floor.

Here come the twins, first BA.1 without V70 and H69, and then BA.2 with them.

Look when the waves start.



2

18

186

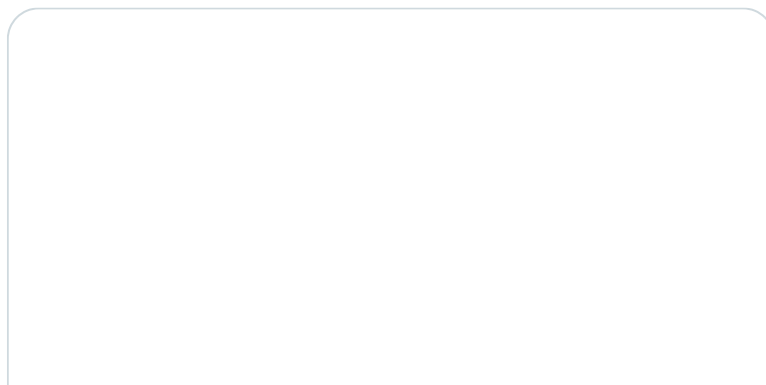
4,3K

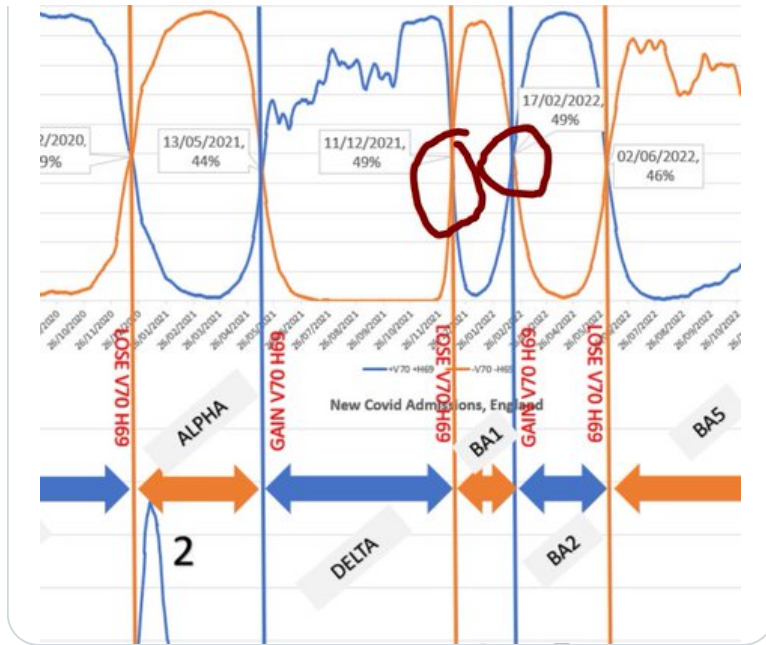


tern @1goodtern · 8 nov.



Exactly at the point where there are more sequences of the new variant than the old.



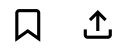


2

14

180

4,2K



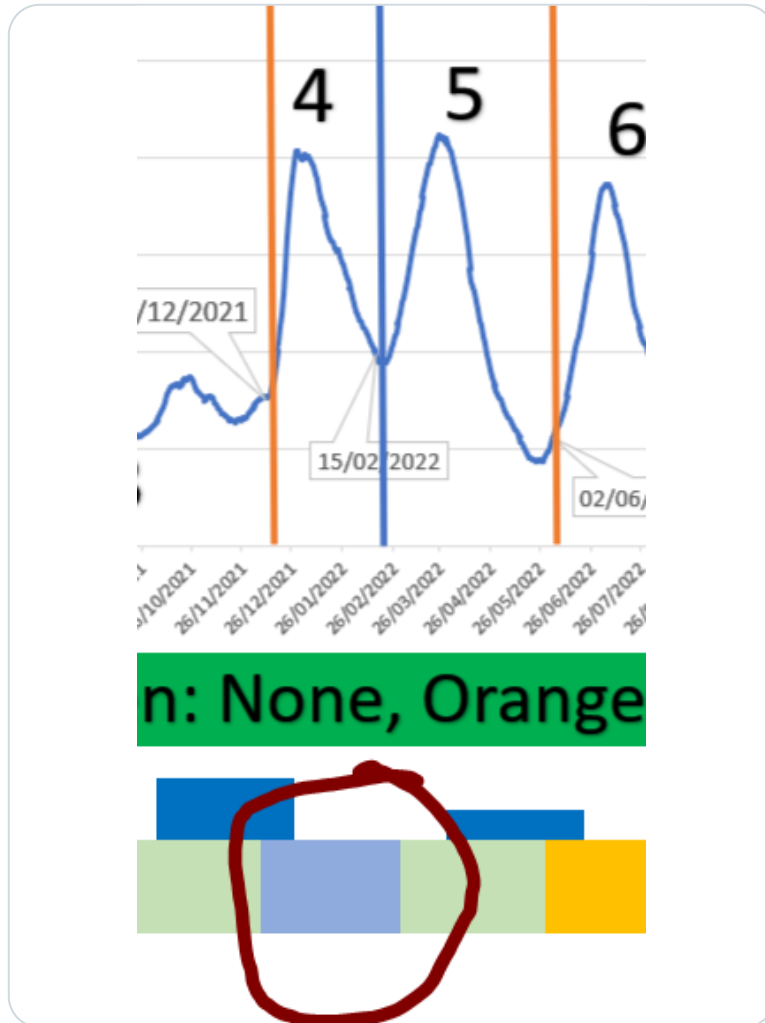


tern @1goodtern · 8 nov.



Is Covid becoming seasonal at this point?

That was a long hard winter, that lasted most of the year.



2

14

180

3,7K

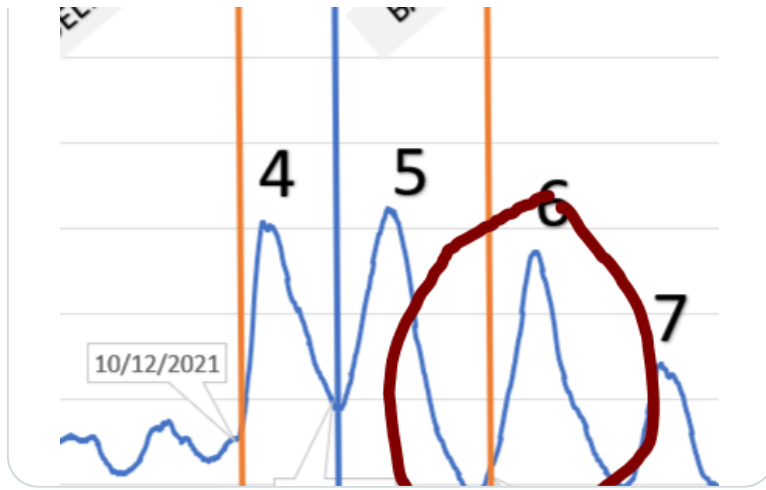


tern @1goodtern · 8 nov.



The third wave of the year, as BA5 arrives having lost V70 and H69 again.

It's there right in the middle of the summer.



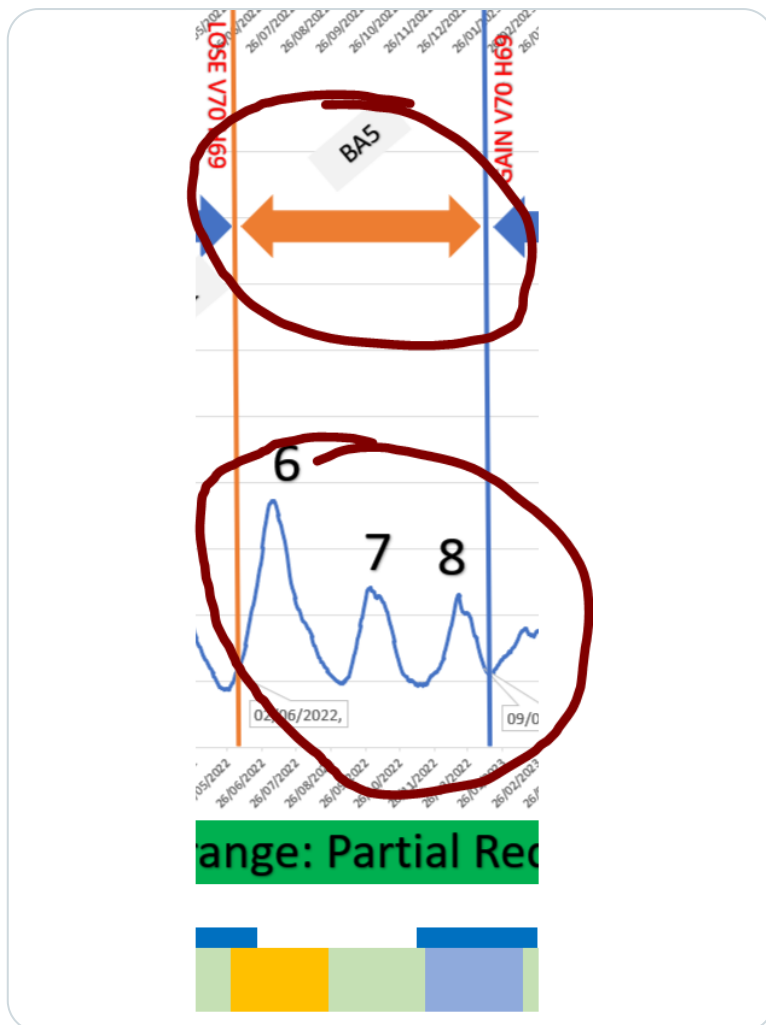
1 15 174 3,7K



tern @1goodtern · 8 nov.

...

We then have a long messy triple wave autumn 2022 as BA5 tries out some new formulations including BQ*, but throughout the end of the year, it remains mostly without V70 and H69.



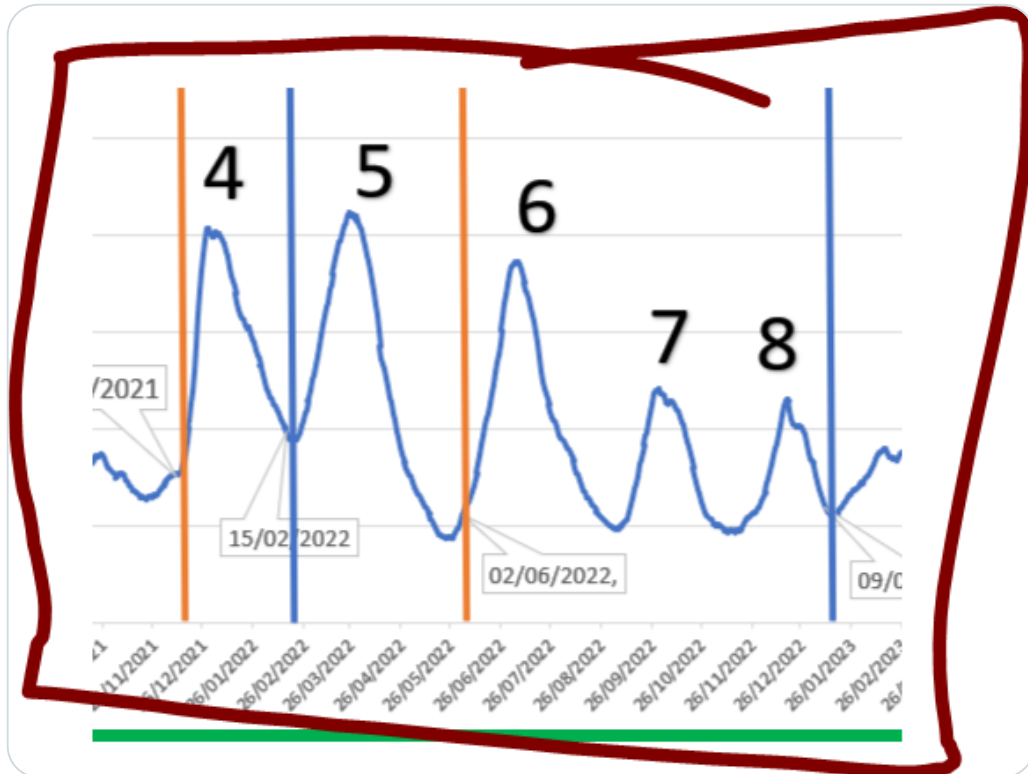
ange: Partial Rec

2 11 162 3,8K



tern @1goodtern · 8 nov.

The UK has five waves that year.
That must be what they mean by 'becoming seasonal'.

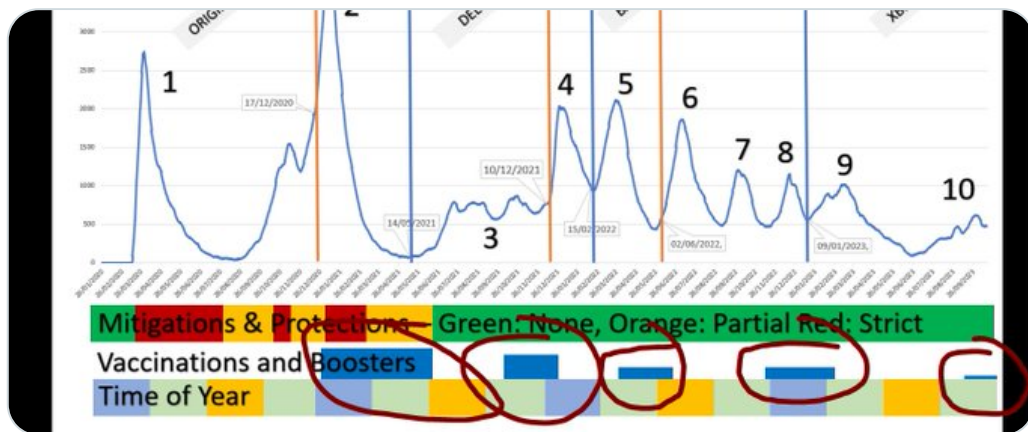


1 31 222 5,1K



tern @1goodtern · 8 nov.

Meanwhile, a smaller and smaller proportion of the population are getting vaccinated or boosted in each new campaign.

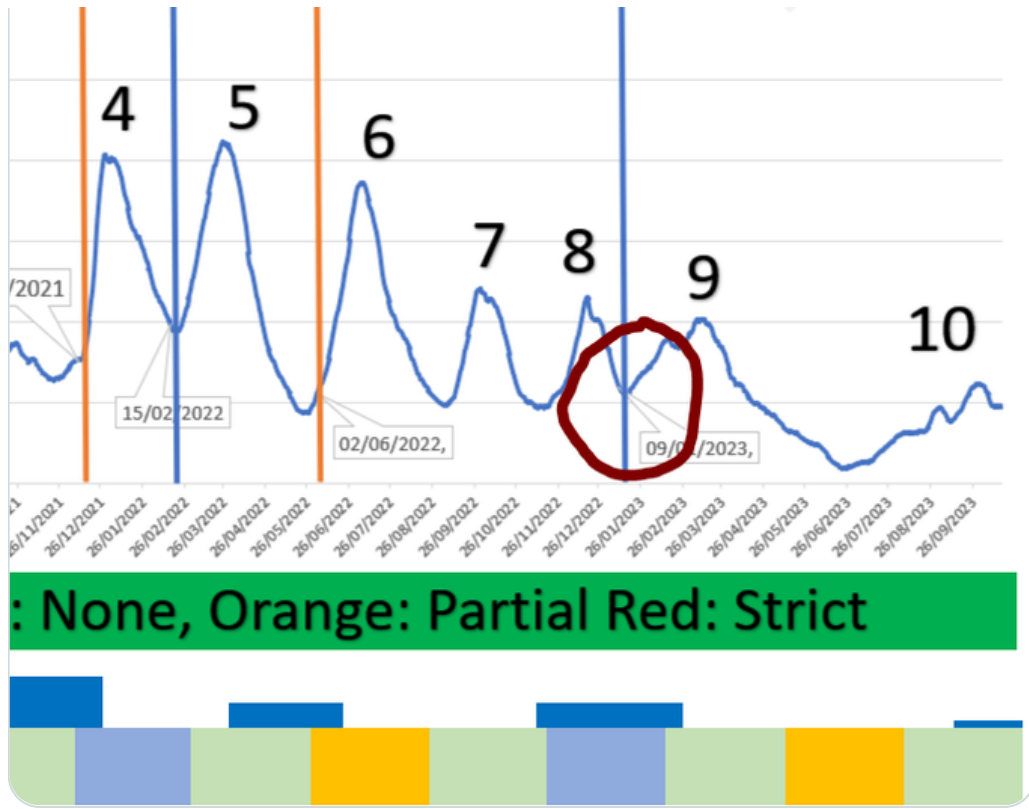


1 19 184 4,4K



tern @1goodtern · 8 nov.

Guess what Covid does next...
Yep.
The switch up, and there's V70 and H69 back, and a new wave at precisely the point XBB dominates.
Neat, isn't it?



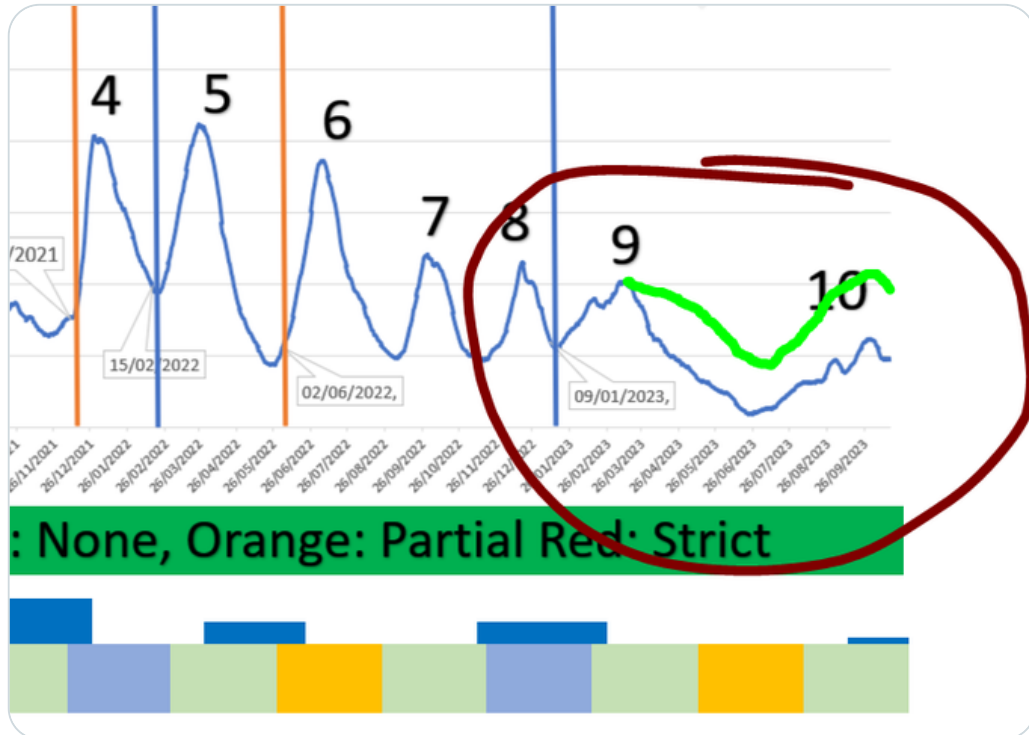
1 18 203 4,8K



tern @1goodtern · 8 nov.



There are a lot of antibodies and experienced immune systems around at this point, so as XBB sticks around and tries out some neat new combinations, it doesn't cause massive waves... but the government don't help us with knowing exactly what's going on, because they wind down...
Meer weergeven



7

20

211

6,5K



tern @1goodtern · 8 nov.



And that's where we are now.
Wave 10, by my count, if you don't include the little ripples.
Covid has been dominating with V70 and H69 for about ten months so...
guess what's going to happen...



1 22 204 5,3K

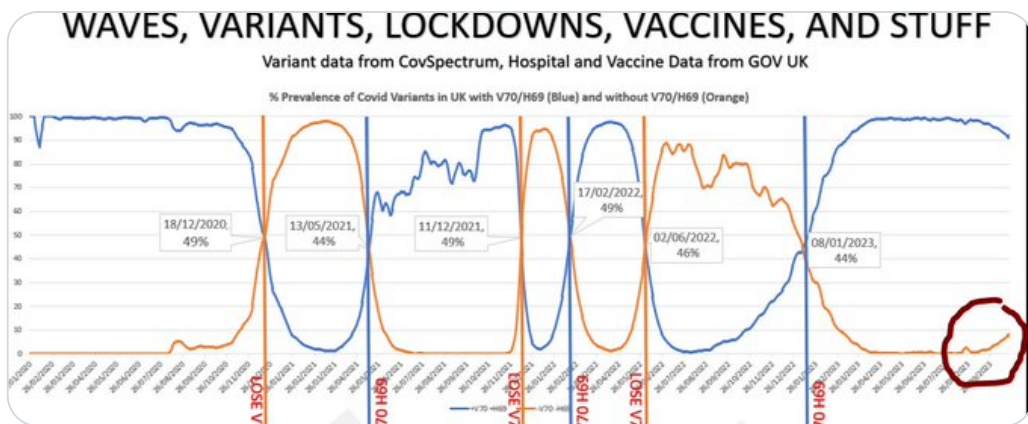


tern @1goodtern · 8 nov.

Yep.

BA.2.86* Pirola, and a couple of other unrelated variants have discovered that they have an advantage without V70 and H69.

Our bodies are forgetting how to recognise it without them, so it's spreading faster.

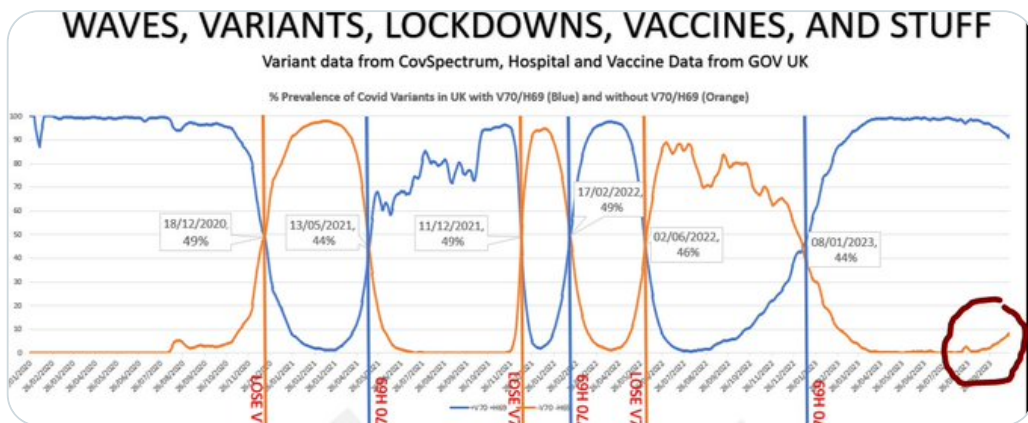


1 31 217 4,3K



tern @1goodtern · 8 nov.

Here in the UK, Covid without V70 and H69 is "currently" on about 10% of sequences, but you shouldn't need me to circle the other parts of the chart where it has done this before. It takes between ten and forty days to get from 10% to dominance.



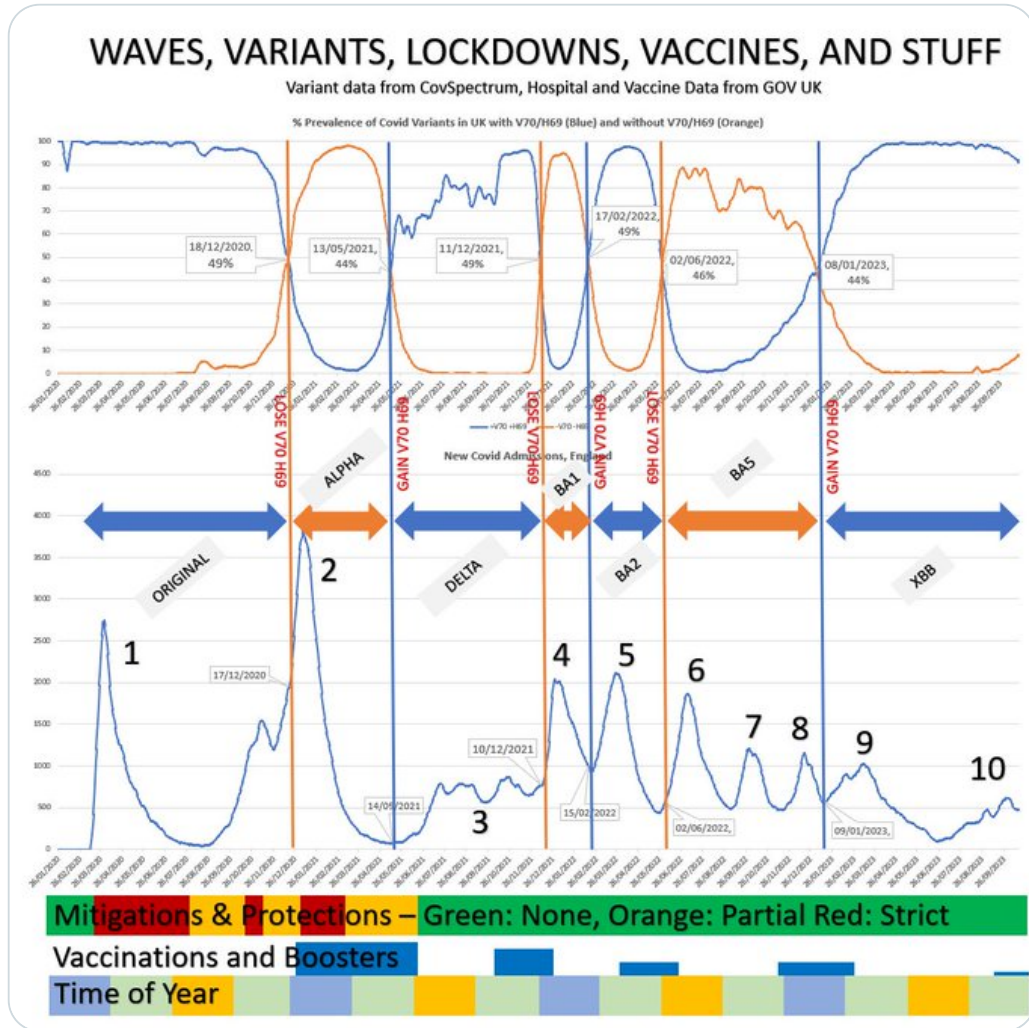
1 24 196 3,8K



tern @1goodtern · 8 nov.



And when it hits dominance, the wave properly kicks off.
EACH AND EVERY TIME.



2

26

211

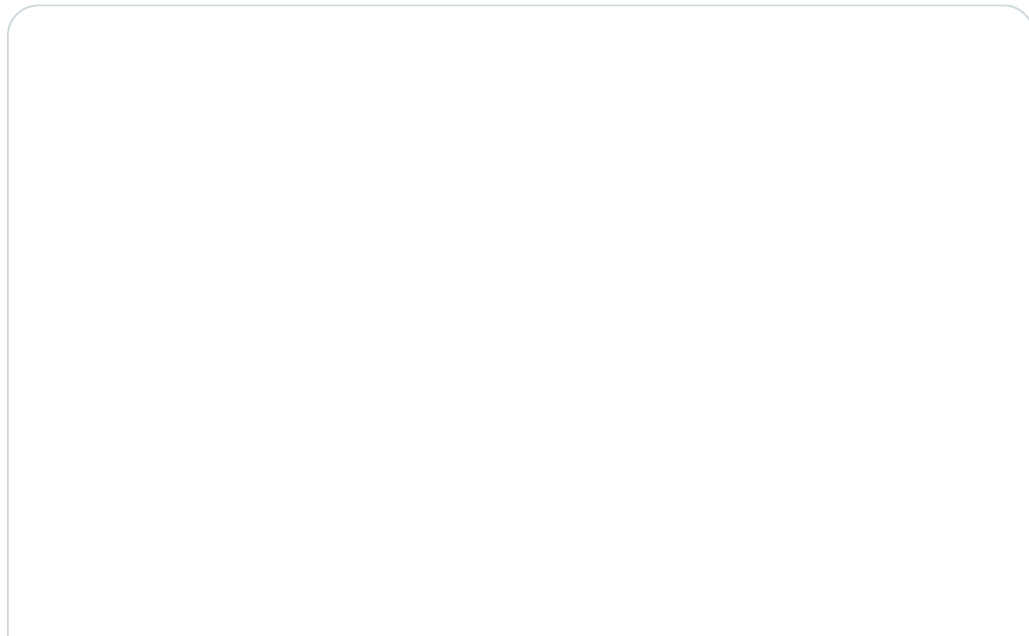
3,6K



tern @1goodtern · 8 nov.

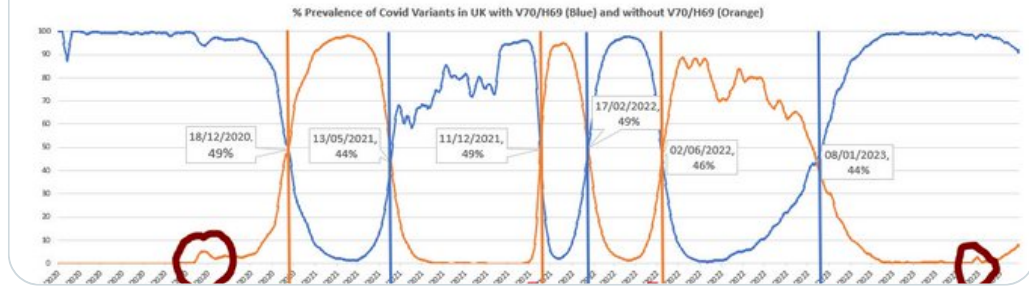


Maybe it'll fizzle.
The switch up has fizzled a couple of times.



WAVES, VARIANTS, LOCKDOWNS, VACCINES, AND STUFF

Variant data from CovSpectrum, Hospital and Vaccine Data from GOV UK



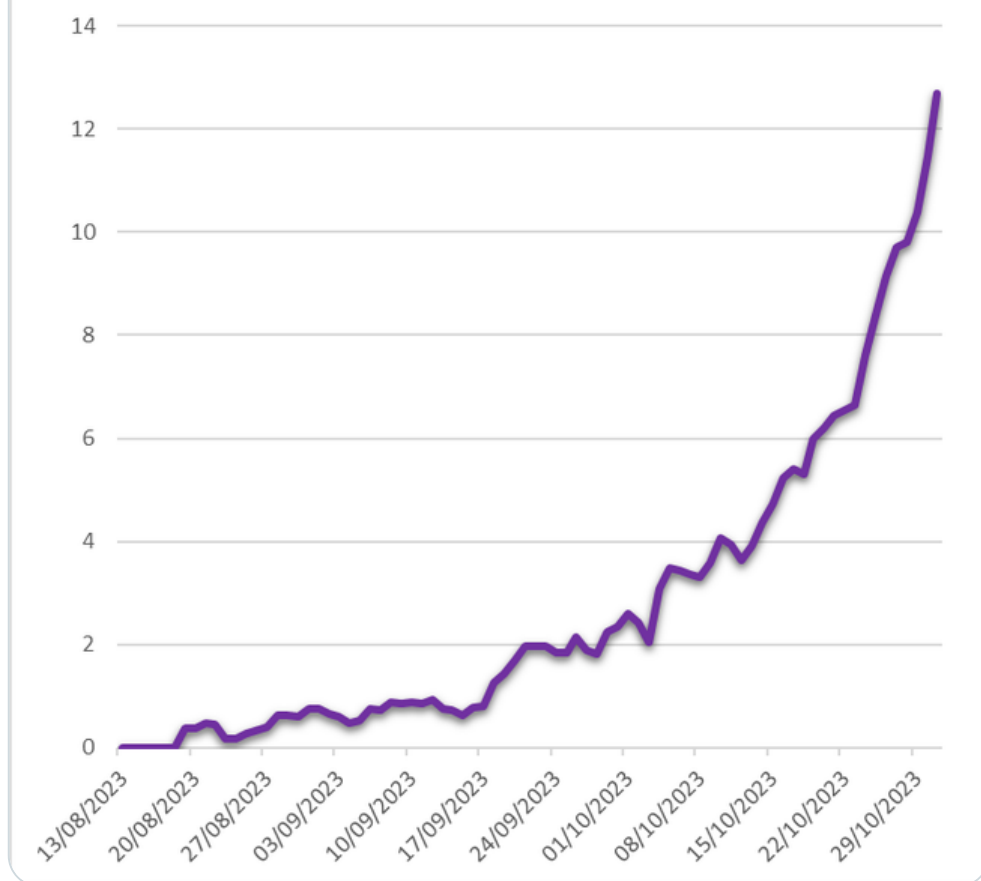
1 15 175 3,5K



tern @1goodtern · 8 nov.

But I don't think it's going to.

BA.2.86* as proportion of all sequences, rolling 7 day average, UK

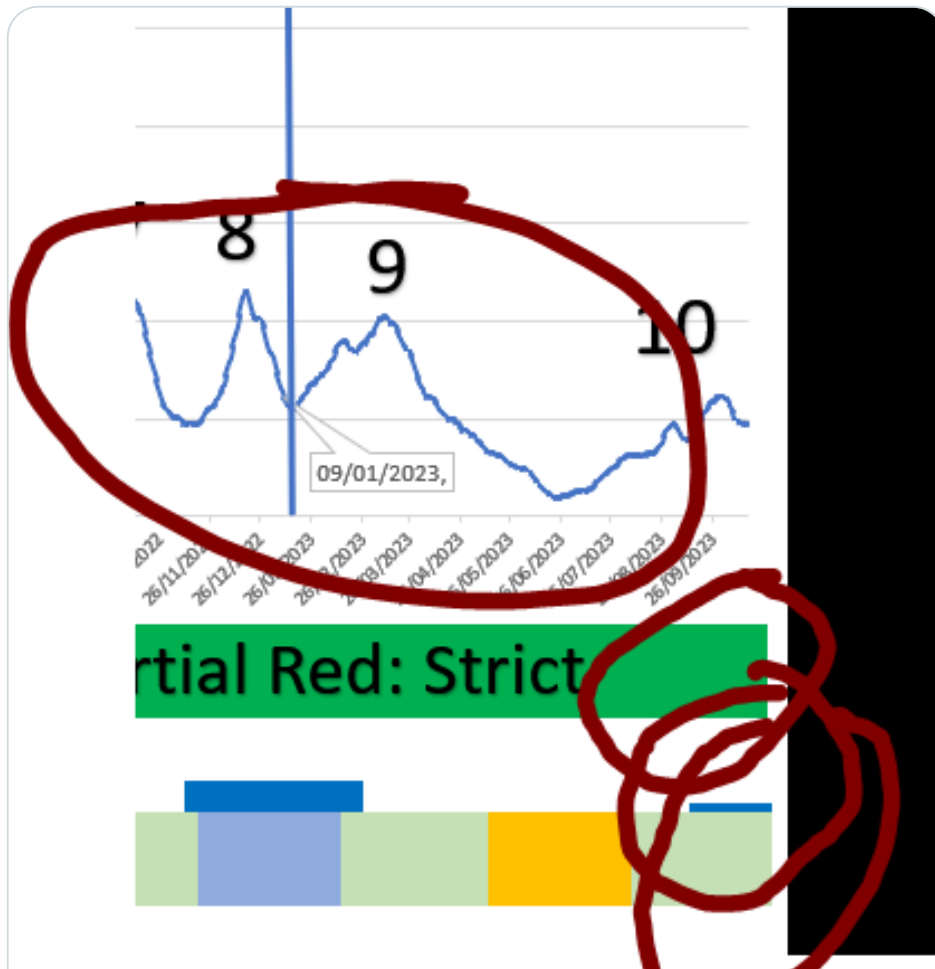


3 17 196 3,6K



tern @1goodtern · 8 nov.

It's winter.
There are no protections or mitigations in place.
Hardly anyone's getting vaccinated.
Immunity via infection is ineffective and waning.
And the switch up is coming some time in the next month.



tern @1goodtern · 8 nov.

...

Oh yeah.
One more thing.
You spotted me putting the word "currently" in speech marks, didn't you?

1

6

170

3,4K

🔖 ⬆



tern @1goodtern · 8 nov.

...

I say that BA.2.86* is "currently" on about 10%.

That's from the latest available data.

2

9

181

3,6K

🔖 ⬆



tern @1goodtern · 8 nov.

...

And the latest available data is more than a couple of weeks old.

🗨️ 2

↻ 7

❤️ 178

📊 3,4K

🔖 ⬆️



tern @1goodtern · 8 nov.

⋮

So that switcheroo may be hitting any day.

🗨️ 2

↻ 7

❤️ 170

📊 3,3K

🔖 ⬆️

Antwoorden weergeven
