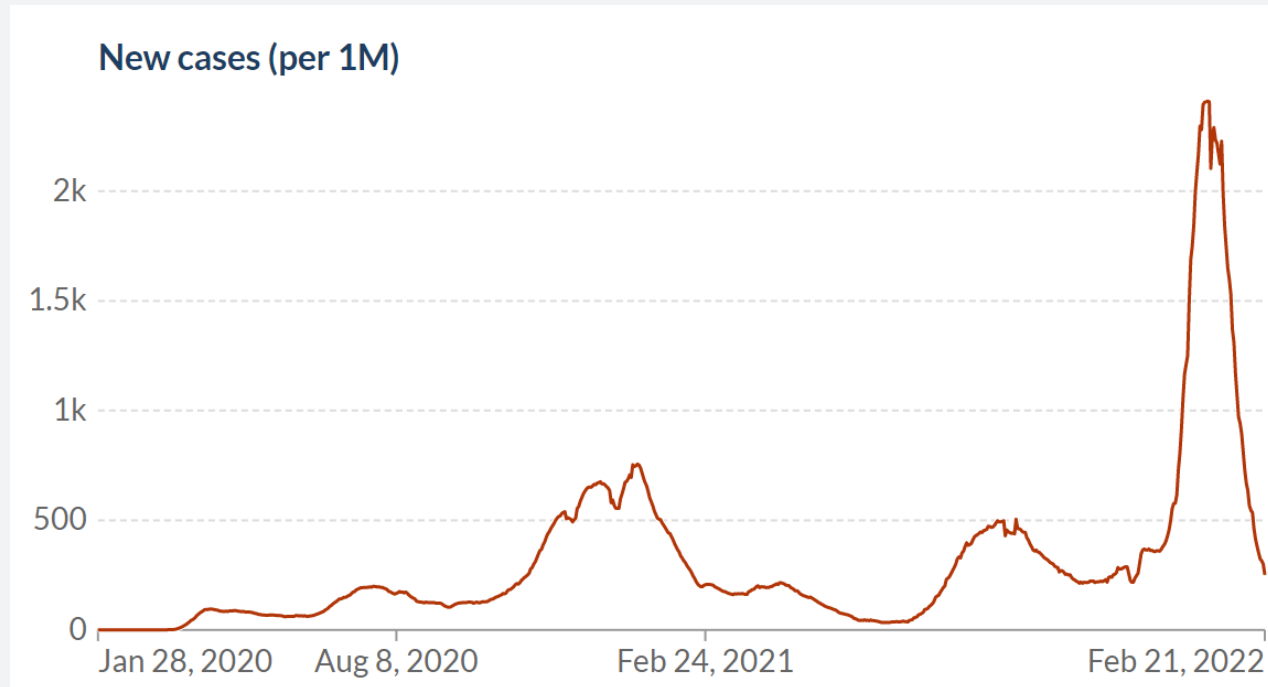


Endemic COVID-19

What it means, where we are, and what the future may look like

United States



Is this the end?

What's next?

How do we prepare?

How do pandemics end?

How do pandemics end? **Fade away**



How do pandemics end? **Vaccinate our way out**



How do pandemics end? **Endemic**



en-dem-ic



ENDEMIC DISEASE



EPIDEMIC DISEASE



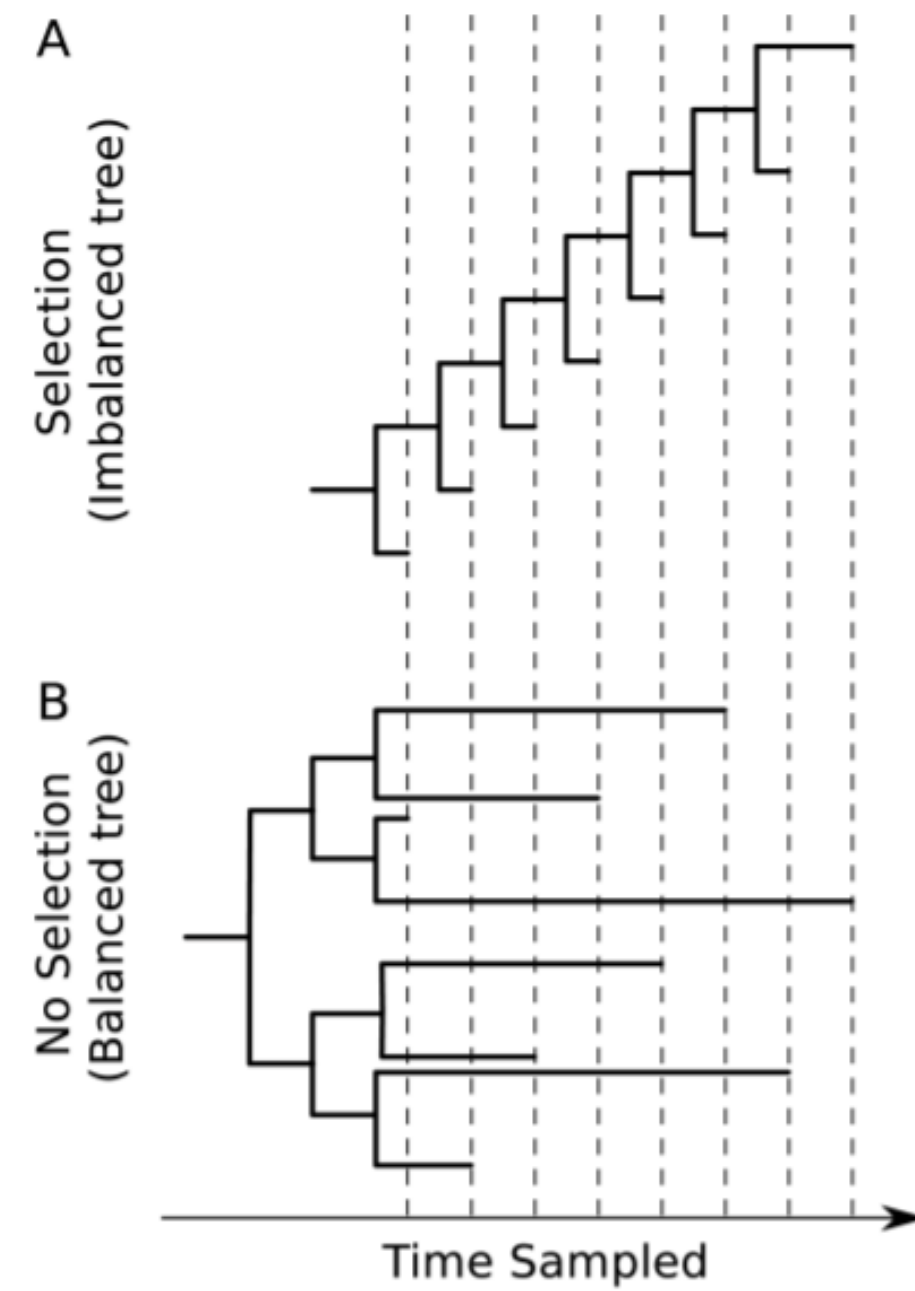
PANDEMIC DISEASE

Is this the end?

What's next?

How do we prepare?

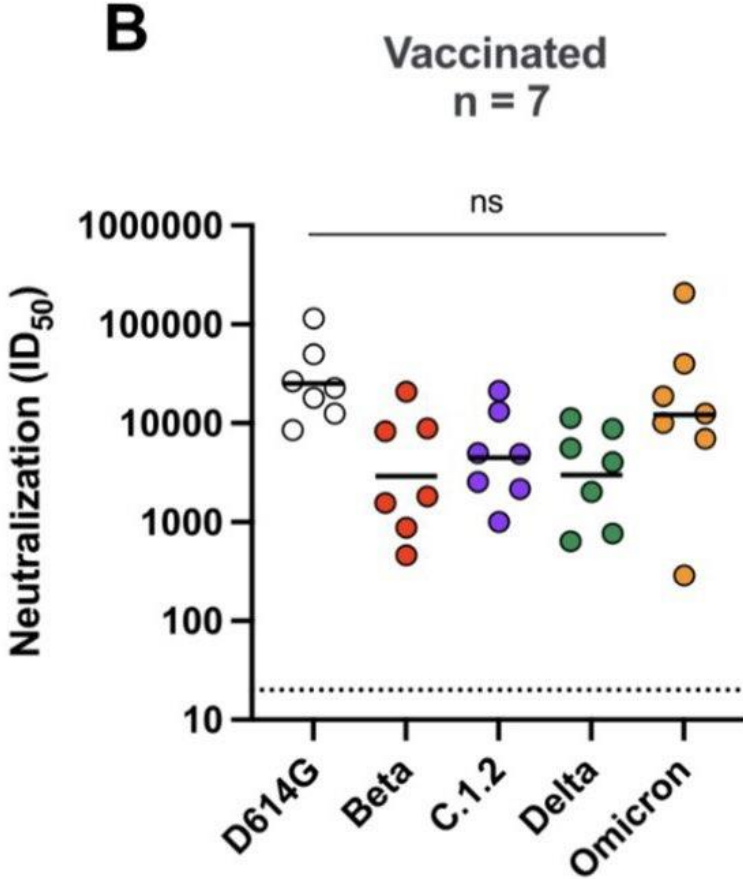
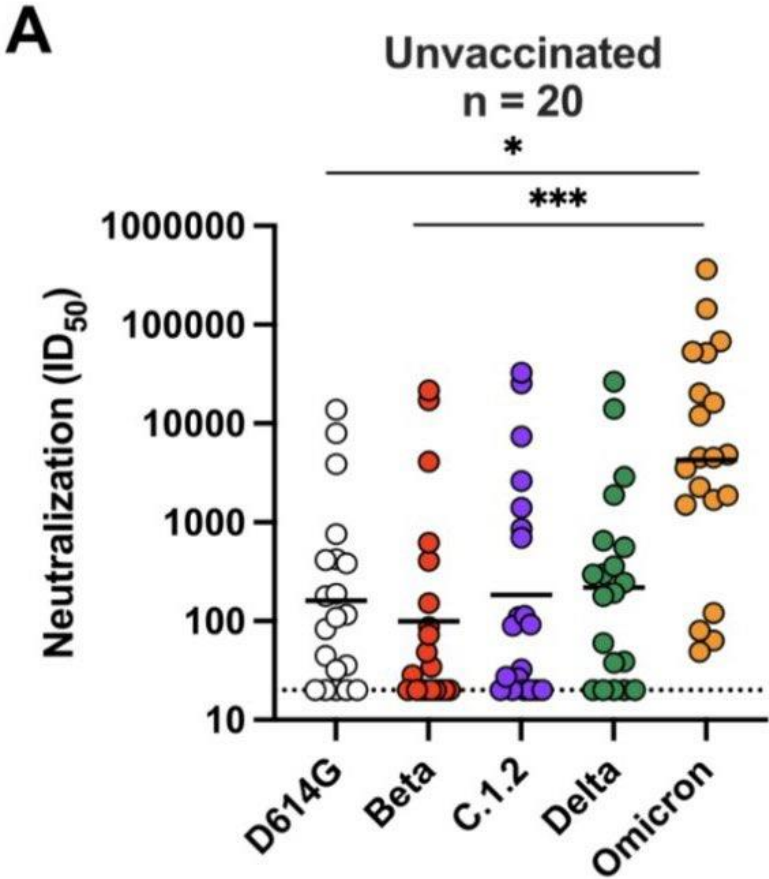
The virus will mutate,
but we don't know how



**The virus will mutate,
but we don't know how**

- The virus doesn't necessarily change to become less severe
- Mutations are random with no high-level thinking
- Goal: Survive

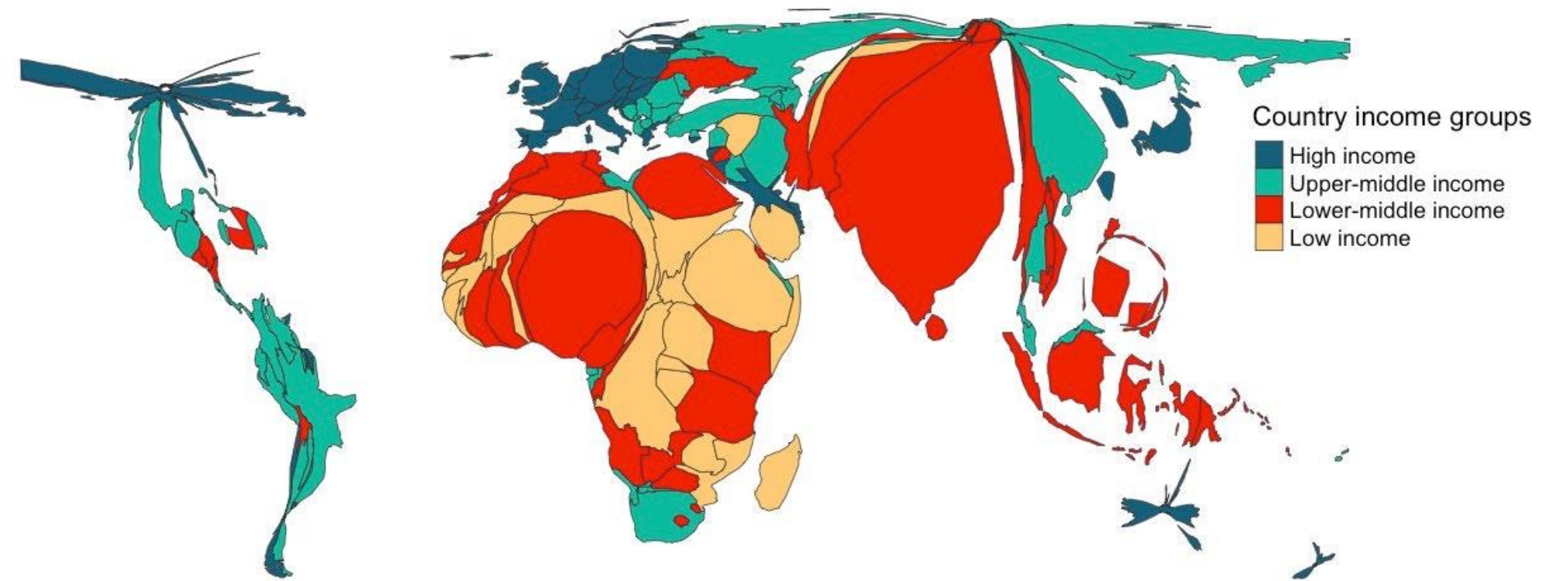
Omicron infections will help, but we don't know for how long



A global response...?

The unvaccinated population

Land mass scaled to reflect absolute number of unvaccinated (transformed EPSG 3410 equal-area projection)



Source: Schellekens (2021); OWID; WPP. Updated: 2022-01-13. Latest: pandem-ic.com.

Is this the end?

What's next?

How do we prepare?

**Strengthen our tools.
And use them wisely.**

1. Increase vaccine uptake
 - U.S. is ranked 64th in the world
2. Wear masks...when needed
 - Reduce transmission by 56%
3. Invest in better filtration systems
 - HEPA filters reduce transmission by 65%
4. Scale up antigen testing
5. Increase supply of therapeutics
6. Strengthen surveillance
7. Communicate

- **There will be an end... it's just not how you pictured it.**
- **Journey to an end is dependent on the virus, population-level policies, and individual-level decisions**
- **And, if we prepare**