Pushing Back on the Digital Spread of COVID-19 Misinformation

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PGP's Related Projects

Misinformation Monitoring **Collective Impact**

Digital Influencers

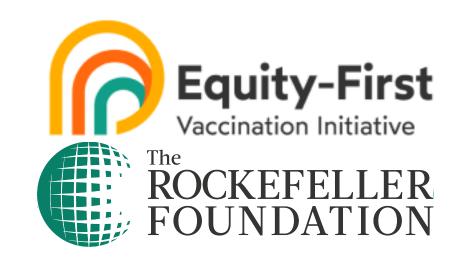
Campaigns & Programs























Current Landscape

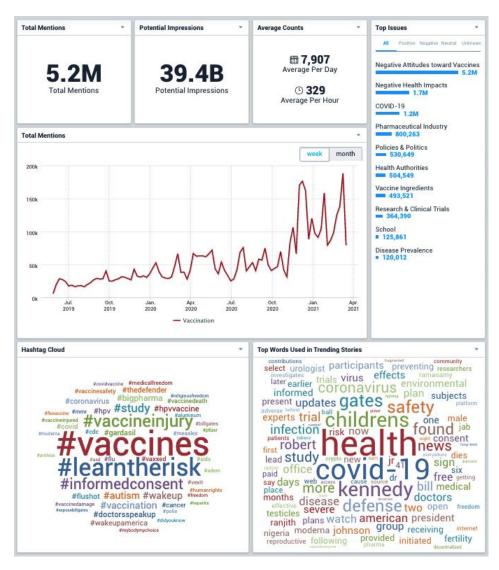
Project VCTR

Vaccine opposition is a threat to global health. Digital and social media are a primary source of misinformation and means of organizing vaccine opposition.

Since 2019, Project VCTR has tracked vaccine-related communication within all 50 US states, across 12+ media sources. Each week, PGP's public health analysts and journalists provide weekly insights on trending stories across the U.S, including conversation about legislation and advocacy.

Project VCTR is a free resource designed for health organizations, health educators, or members of the press who routinely report on public health. For more information, visit www.ProjectVCTR.com





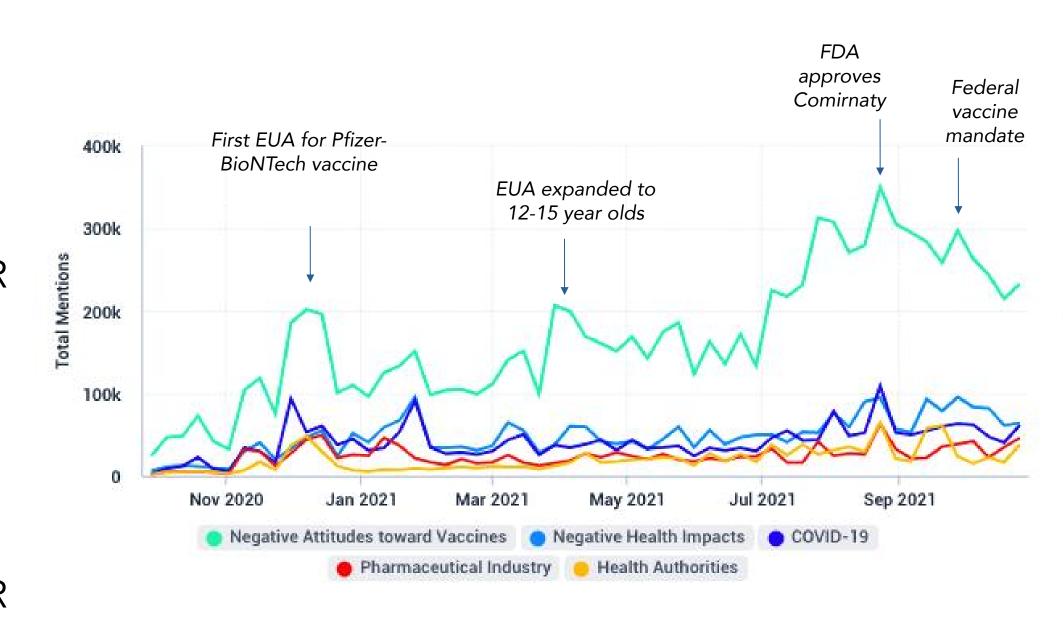


Vaccine Conversations

Since the start of the COVID-19 pandemic, vaccine opposition has increased.¹

From Nov 2020 - Nov 2021, Project VCTR identified 8,894,320 conversations demonstrating vaccine opposition and mis/disinformation, an average of <u>24,368</u> <u>per day.</u>

From Nov 2019 - Nov 2020, Project VCTR identified an average of <u>5,368 per day.</u>





1. Bonnevie, E., Gallegos-Jeffrey, A., Goldbarg, J., Byrd, B., & Smyser, J. (2021). Quantifying the rise of vaccine opposition on Twitter during the COVID-19 pandemic. Journal of communication in healthcare, 14(1), 12-19.

Current Themes



Trending vaccine related misinformation in November 2021 included:

COVID-19 vaccines & children



Opposition to COVID-19 vaccines for younger children was a dominant theme of conversation, as vaccines for children began to be administered throughout the U.S. Trending articles encouraged parents to not vaccinate their young children.

Changes in vaccine formulations



Circulating posts claimed that Pfizer changed its formulation for the children's COVID-19 vaccine, to include an ingredient to stabilize heart attack patients. The ingredient actually was added to all Pfizer vaccine formulations to allow for safer storage.

Immunity & unapproved treatments



An unvaccinated NFL player's COVID-19 diagnosis set off a wave of misinformation about COVID-19 immunity and unapproved alternative treatments.

For more information on PGP's misinformation alerts and health communications guidance, visit publichealthcollaborative.org/misinformation-alerts

Misinfo's Impact

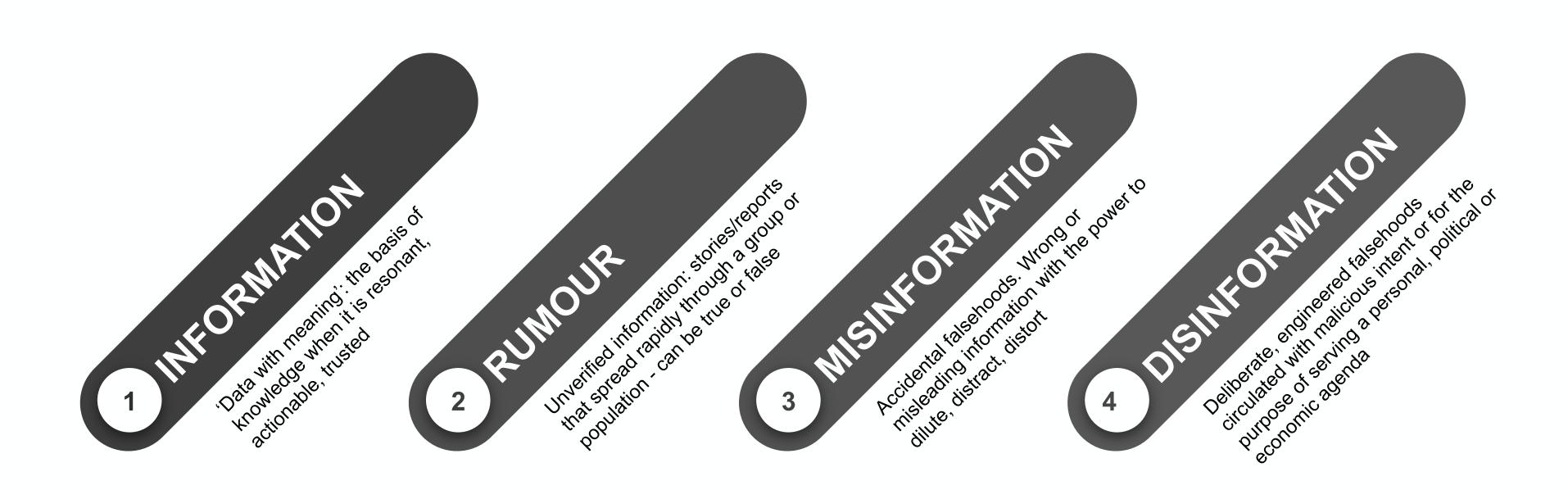


"A reliable way to make people believe falsehoods is frequent repetition, because familiarity is not easily distinguished from truth."

-Daniel Kahneman

Source: Vaccine Misinformation Management Field Guide, 2020

Terms to Know



Experts Have Emerged

Infodemiology:

"The science of managing infodemics" compares pathogens in epidemics to misinformation in health emergency response

Source: WHO, 2020

Journalism



Poynter.

Academia





Public Health



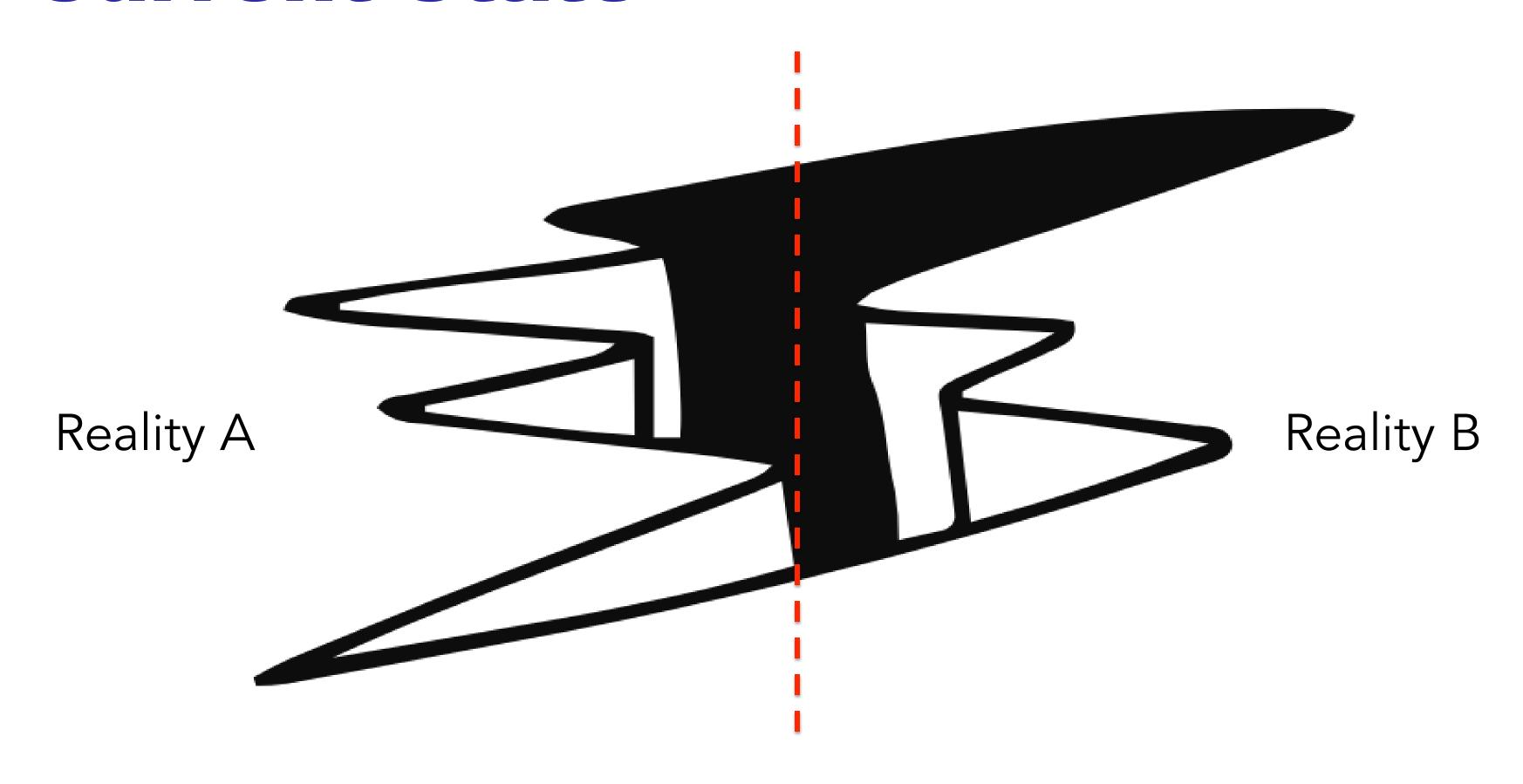
Public Health Communications

Data Tracking/ NGOs

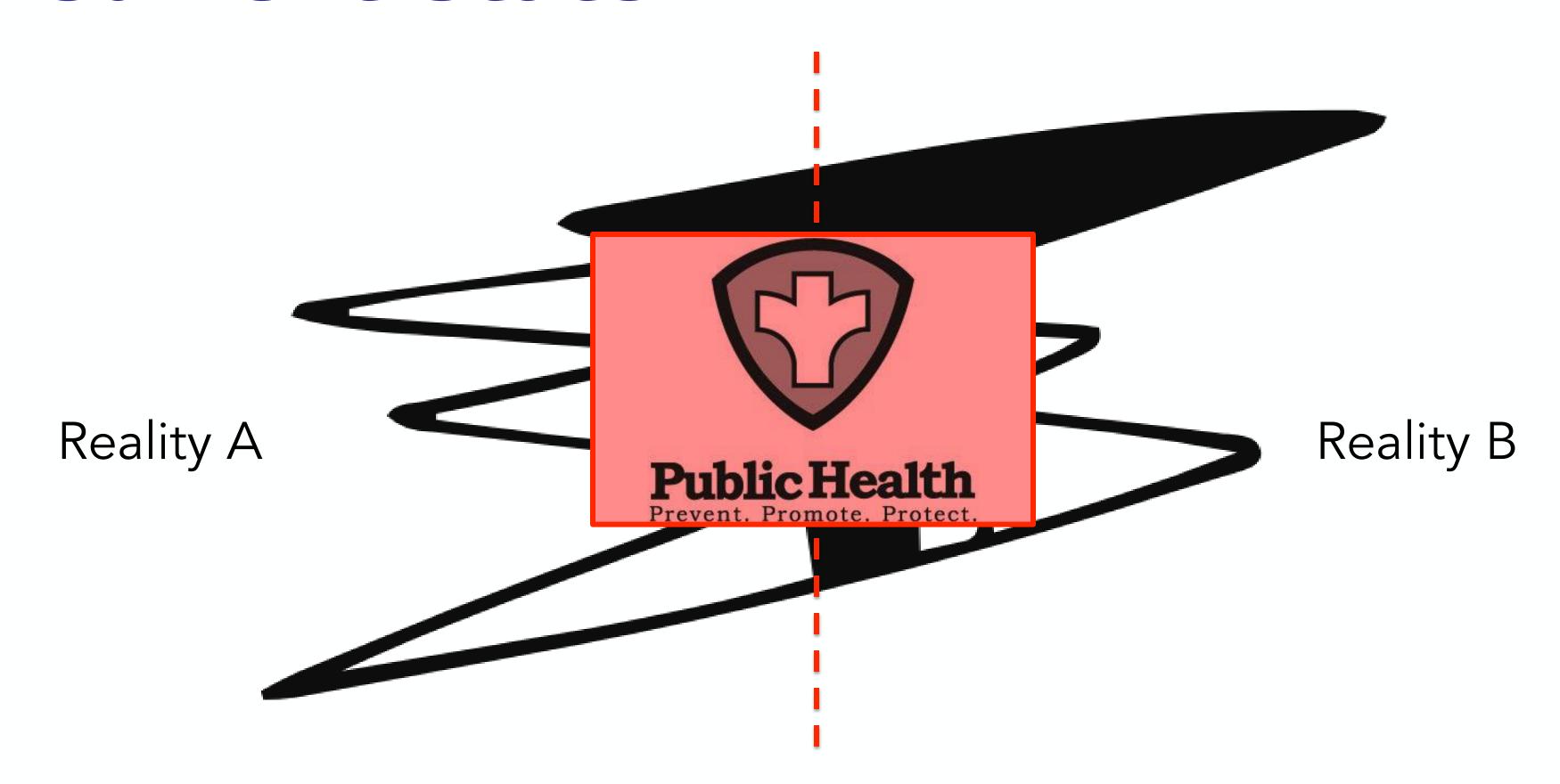




Current State



Current State



Vaccine Opposition

Common Motivators



- 1. Profit
- 2. Politics
- B. Power

Repeat Tactics



- Cherry-pick data
- 2. Reference to fake experts
- Race-baiting
- 4. Values-baiting

Recurring Themes



- Negative health impacts
- 2. Pharma industry
- Politics/policies
- . Vaccine ingredients
- 5. Federal Health
 Authorities
- Research/clinical trials
- 7. Religion
- S. Vaccine safety
- Disease prevalence
- o. School
- 11. Family

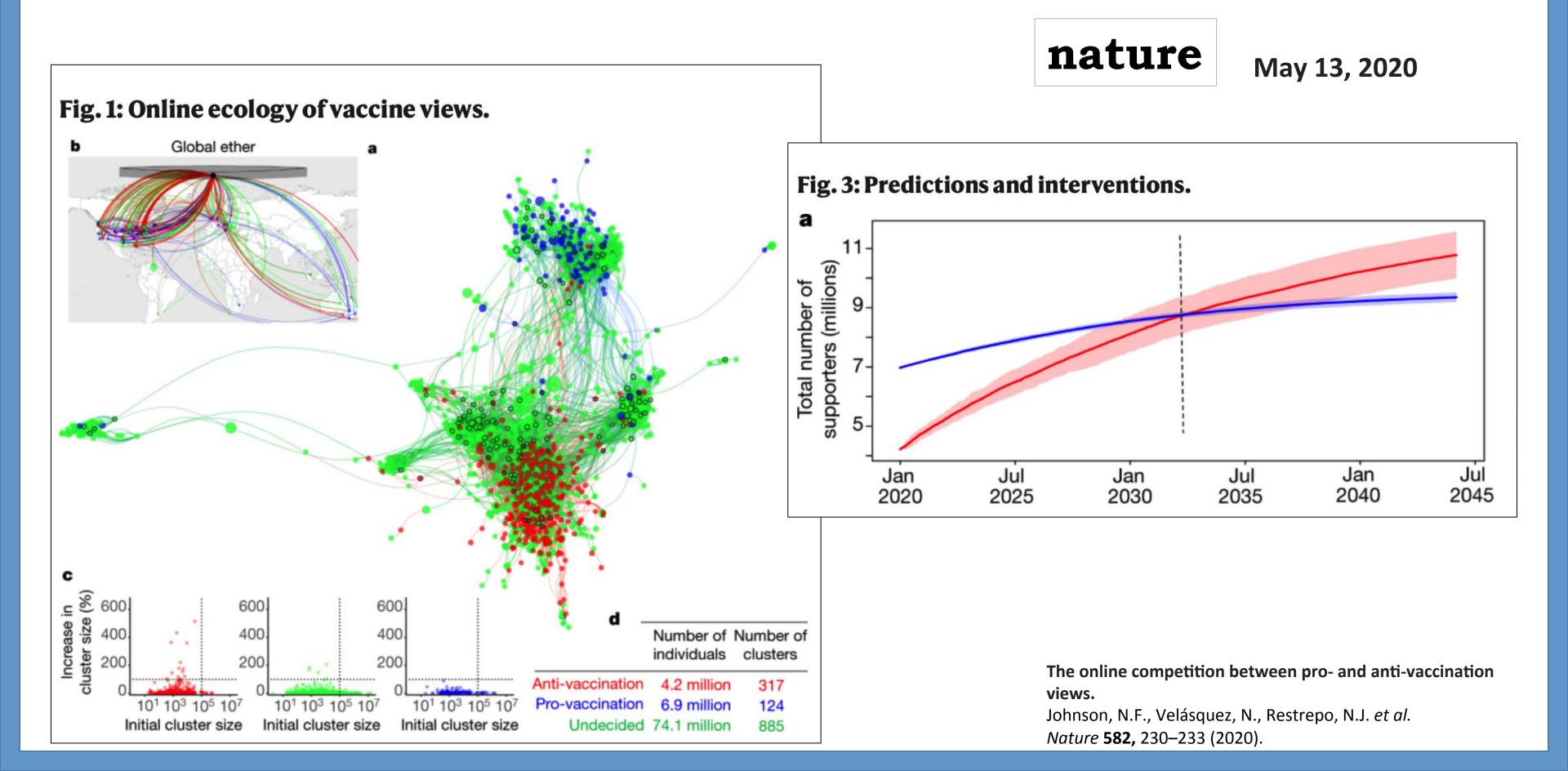
Types of Key Players



- Traditional Anti-Vaxxers
- Conspiracy theorists
- Opportunists White
 supremacists etc
- 4. Foreign actors
- 5. Our own politicians

Sources: Projects VCTR, UNICEF Misinfo guide

The online competition between pro- and anti-vaccination views.



Case Study: Shots Heard





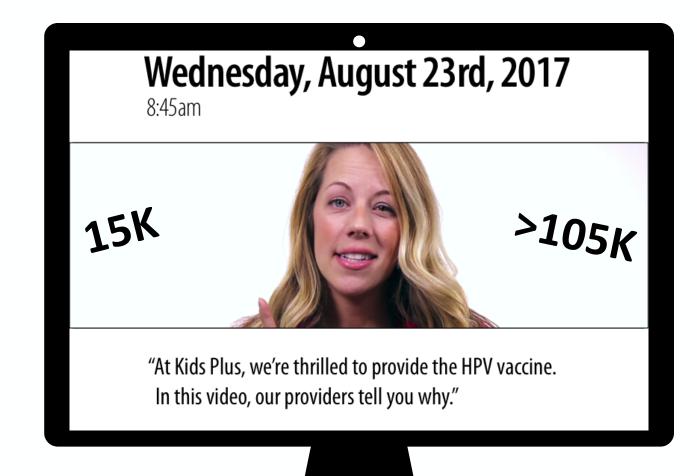




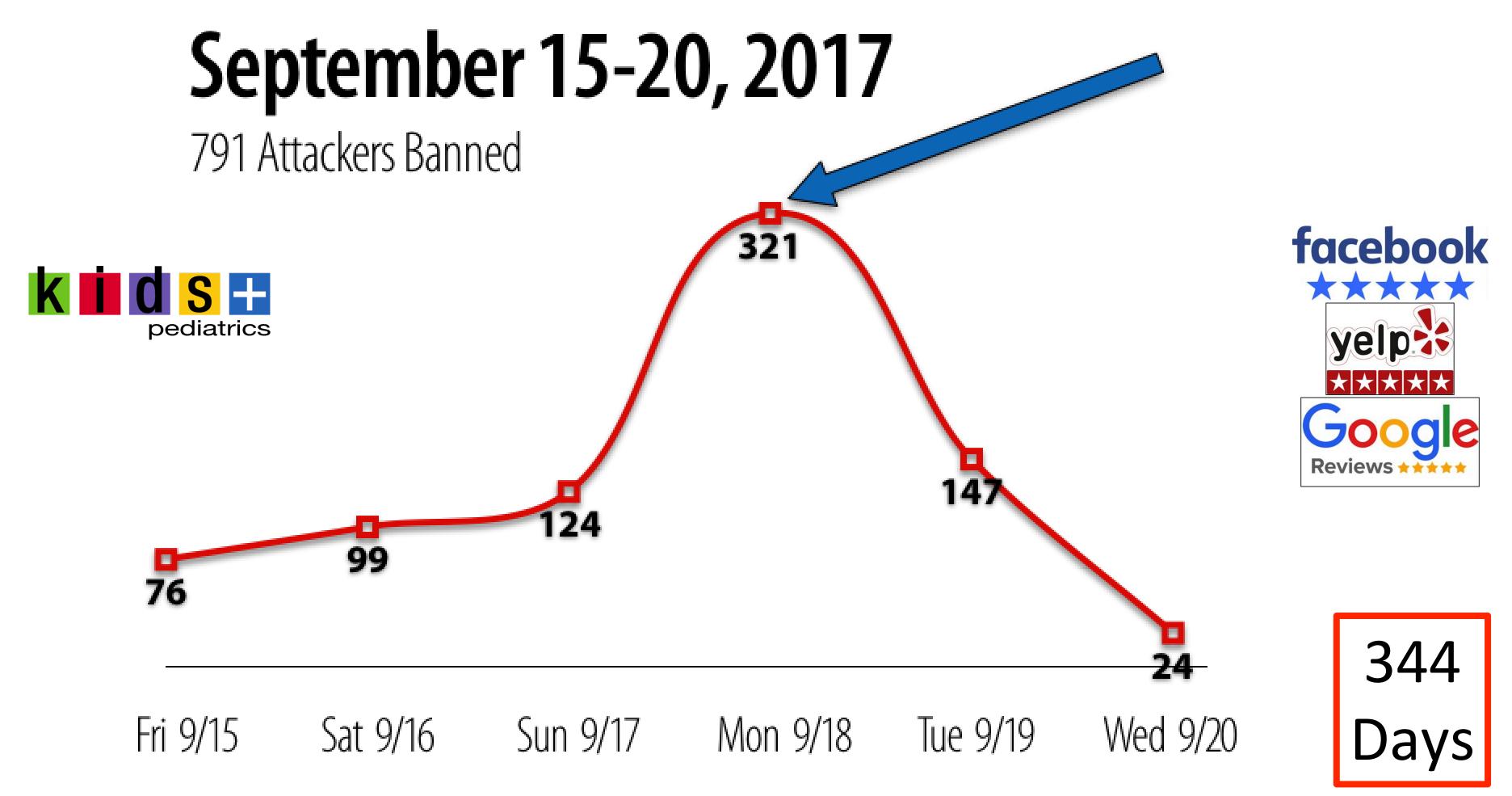














Anti-science Tactics

Disinformation Campaigns

- ▲ Sensational
- **▲** Voluminous
- ▲ Amplified

Attacking Resonating Vaccination Advocates

- **▲** Harass
- **▲** Threaten
- ▲ Harm





vs Anti-Vaxx'ers

Being victimized was terrible

We weren't going to be the last victim

Better resources were necessary – Immediately!

HCP's/Practices/Health Systems Being Silenced

So we launched a 4-pronged counter-response

Research, Toolkit, Cavalry & Awareness



Anti-Vaxx Attacks

<u>Tactic</u>

Goal



Rapid Waves

Organized Swarms —

Threats

Abusive Words

Anonymity

Reputation Harm

→ Overwhe/n

→ Isclate

→ Weaker

→ Frighten

- Terrorite

Damage

Connect & Unite

Reinforce & Strengthen

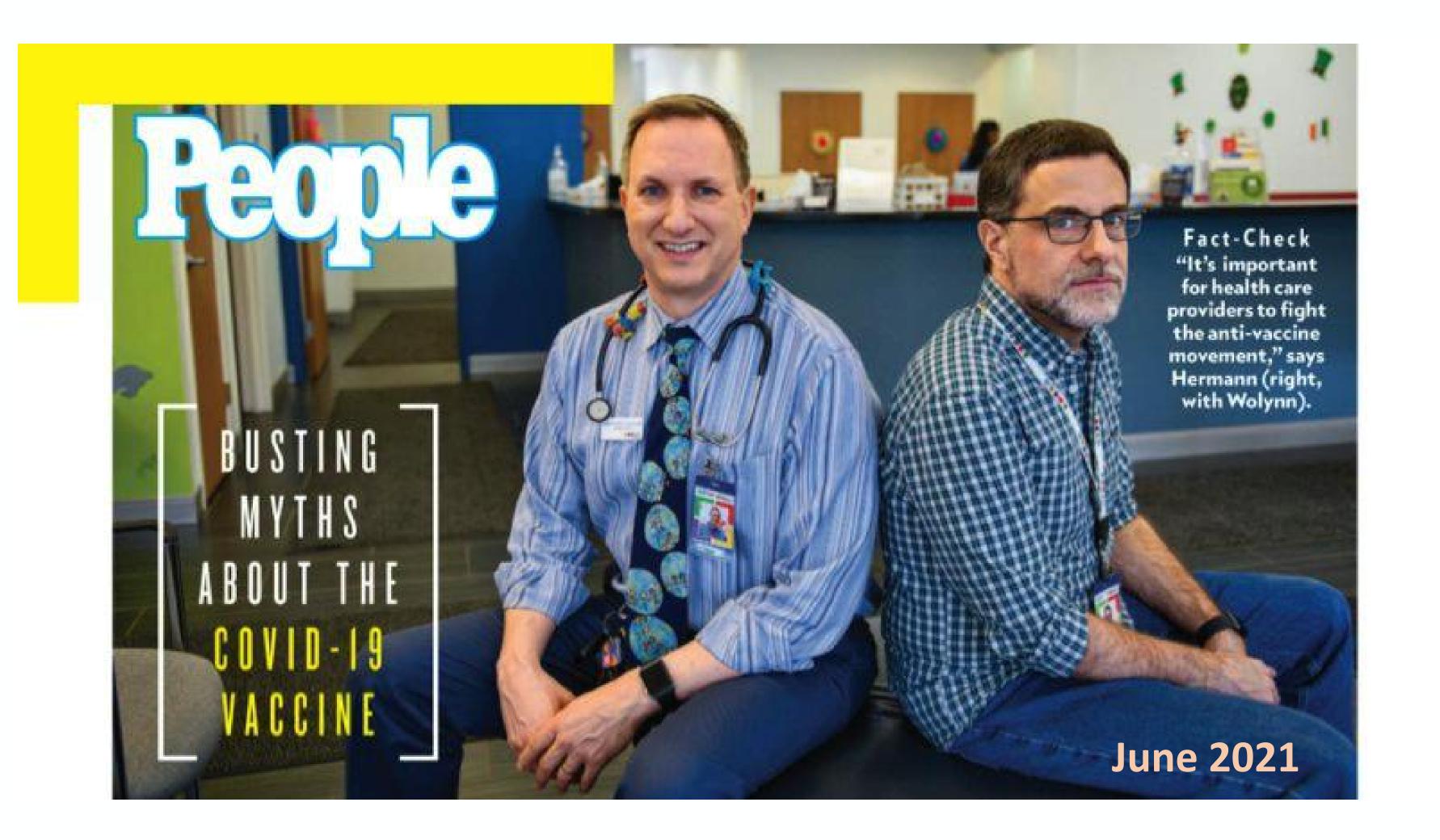
Reassure & Empower

Protect & Defend

Repair & Recover

Embolden & Galvanize

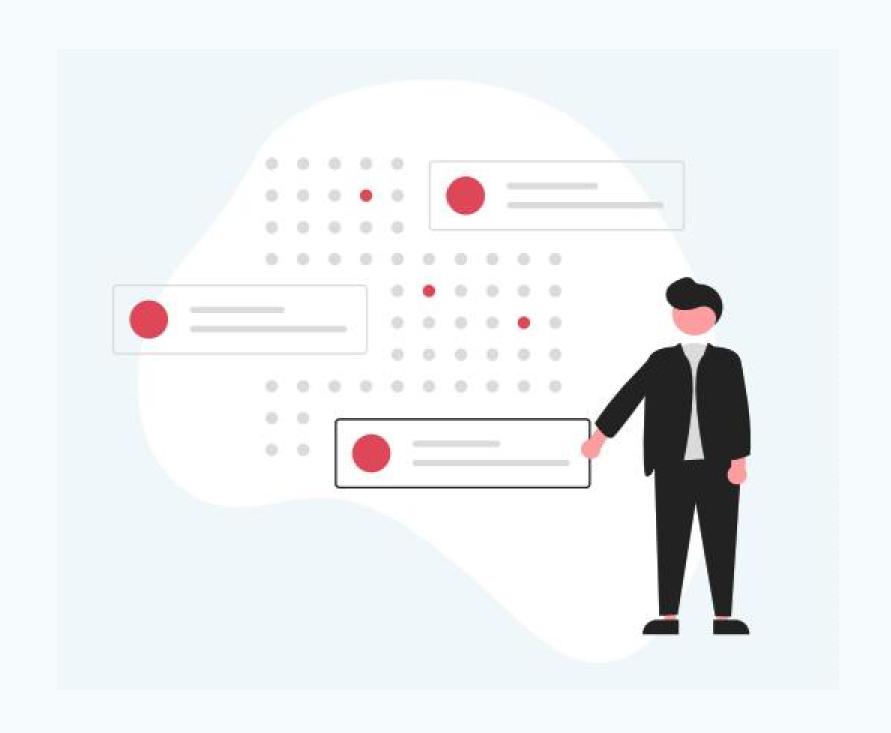




What You Can Do: When Attacked

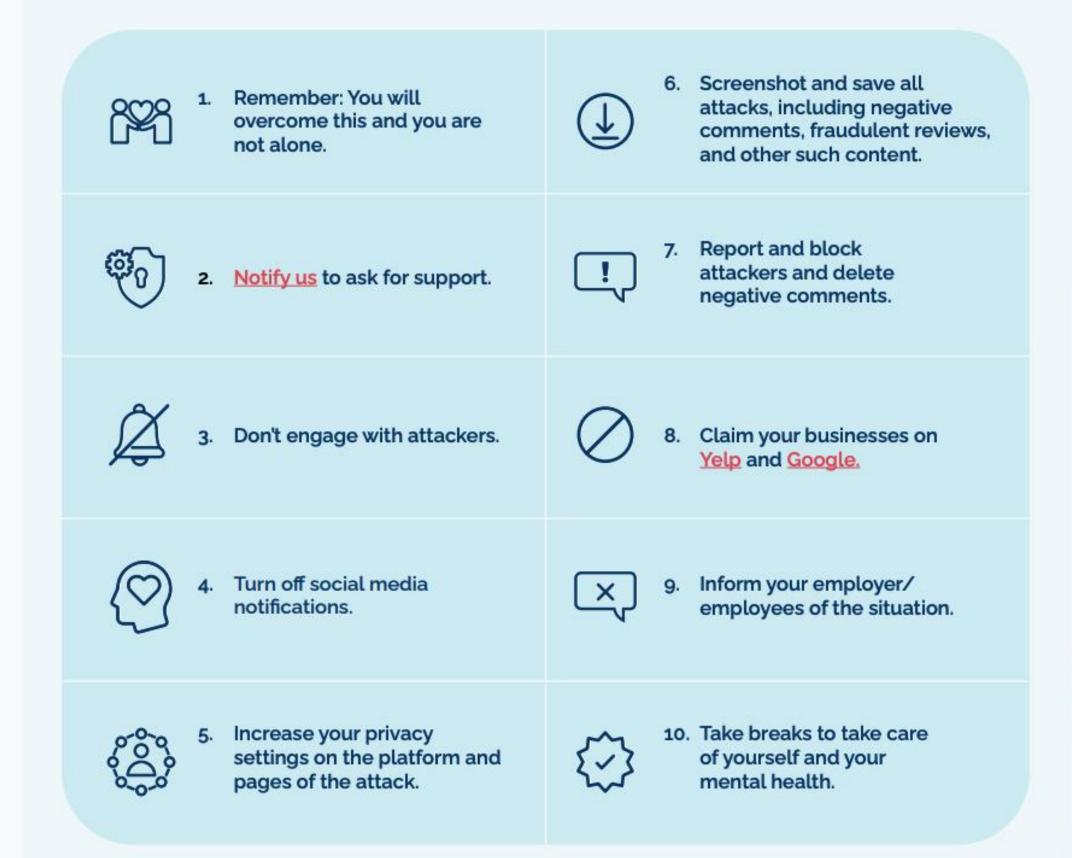
PREPARE AND AVOID

- Have reinforcements ready
- Assess your online presence
- Prepare your workplace, office, or institution
- Monitor online account security
- Know your platform's settings
- "Google" yourself

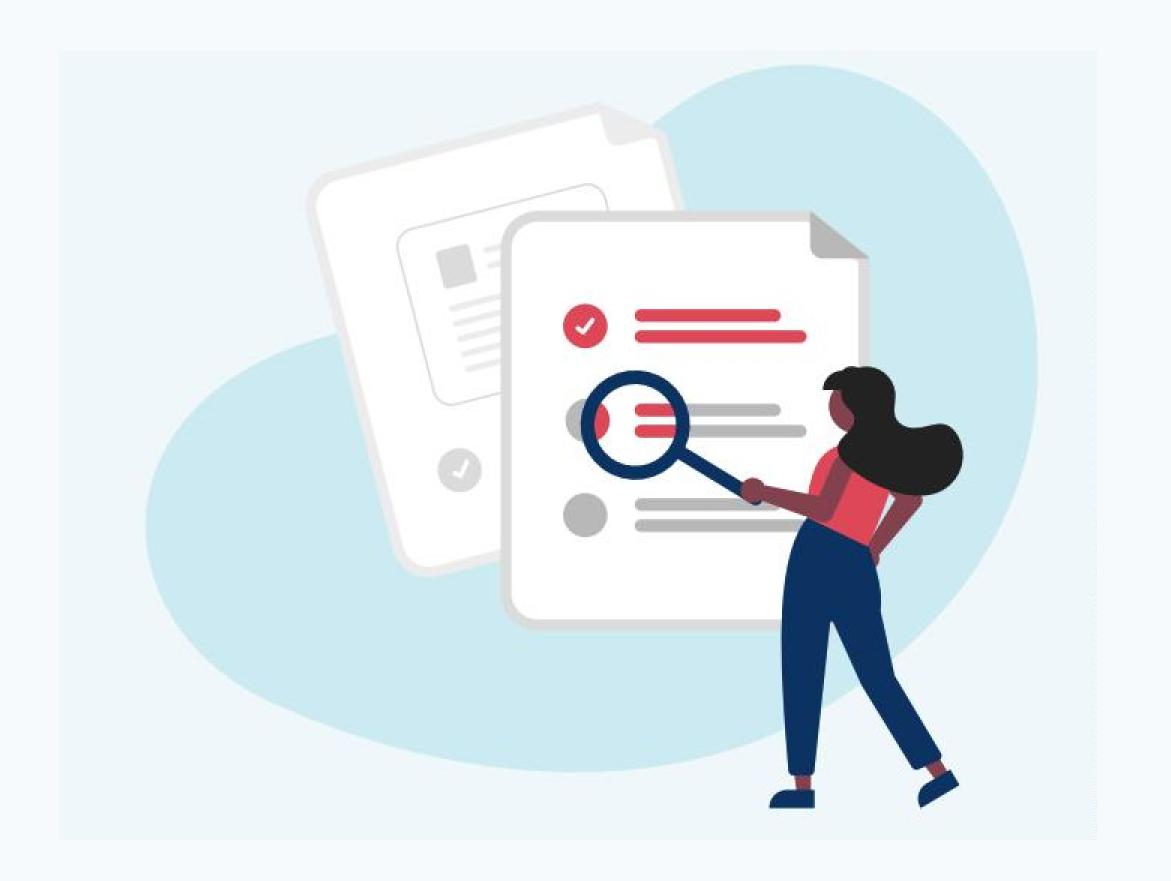


DEFEND

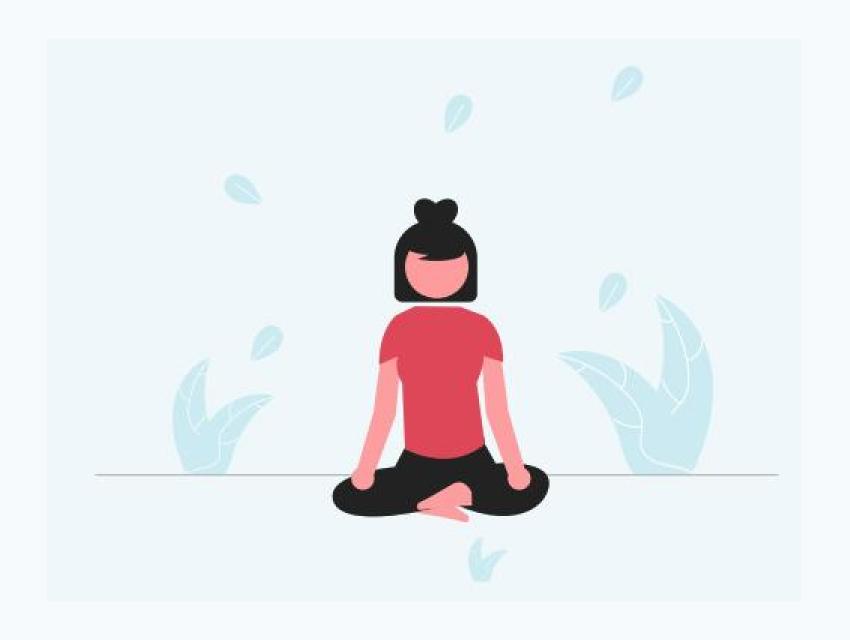
10 important actions to take immediately:



MOVE FORWARD AFTER AN ATTACK



TAKE CARE OF YOURSELF



Recap

With the right preparation, defense, and cleanup, you can get through any online attack!



What You Can Do: With Messaging

Inoculation Theory: the science of prebunking



Roozenbeek, J., van der Linden, S. Fake news game confers psychological resistance against online misinformation. *Palgrave Commun* **5**, 65 (2019). https://doi.org/10.1057/s41599-019-0279-9

3 Main Response Scenarios

Debunk



- Respond to false information where you find it
- Provide science, data, or true information

Inoculate

(Prebunk)



- Equip people with counterarguments to build resistance to future misinformation
- If people see truth before fiction, they're more likely to believe the truth

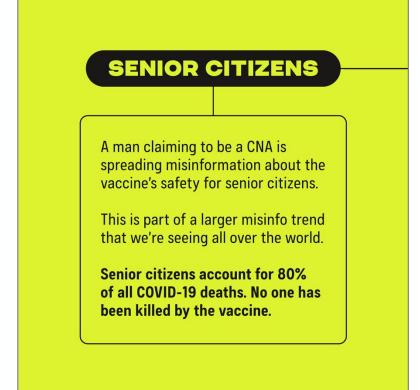
Report

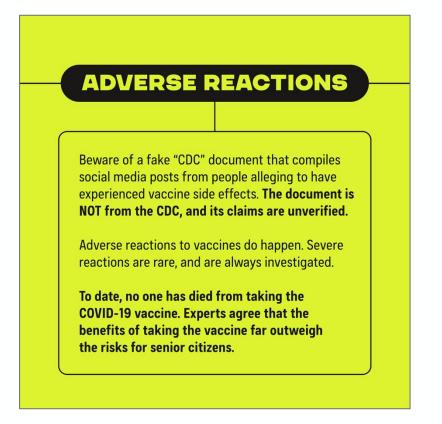


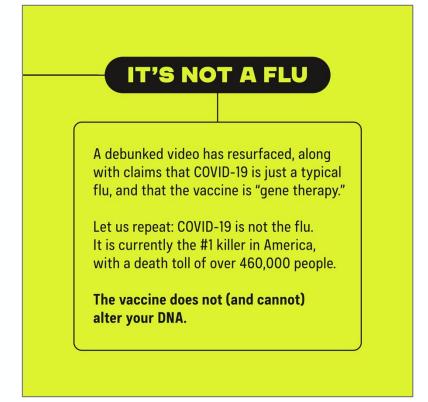
- Help hold social platforms accountable
- Help social platforms hold super spreader users accountable

Example From Stronger









Online Example

When someone on your timeline has posted misinformation.

Response depends on your comfort in that situation. You can comment truth, message the person privately, report it to the platform, or even do nothing.

Remember: don't demonize the poster

Our whole house got the flu shot every year. Our whole house got the flu every year. Except hubby, we stopped getting the flu shot 13 years ago. Haven't had the flu since...hubby...still gets the flu ever other year or so.

Like · Reply · 21w



Me nor my kids have ever had flu shot. Not starting this year.

Like · Reply · 21w

→ 3 Replies

I am a pediatric ICU physician. Many who land in my PICU did not get the flu shot. A few died. Those who survived regretted not getting the flu shot; parents too. True, u may still get the flu despite the shot, but at the very least the flu shot may reduce the severity, complications, time off (from school/work/etc), even give u that push to survive.

In addition, there are too many overlapping symptoms between flu & COVID-19 as well as the significant risk of contracting both at the same time or back-to-back (setting u up for a similar "2-hit" phenomenon).

There are those of u who do not trust vaccines for a variety of reasons. Linked to this post is a set of references from the Children's Hospital of Philadelphia (https://www.chop.edu/.../vaccine-education.../vaccine-safety), one of the premier national/international authorities in healthcare.

For the minority but significant number of people not wanting to get the flu shot for themselves and/or their children, all I ask is that u take these comments and the link to CHOP into strong consideration.

For those young adults and children who are anxious about the needle and pain, my recommendation on minimizing if not outright PREVENTING any pain:

- let ur arm go completely 110% LIMP and HANGING down.
- completely RELAX not only ur arm but also any emotional tension. Do NOT tense up with the needle. u will feel pressure from the needle but not necessarily any pain.

I am being 100% honest with u, when I got my flu shot this year while using this technique, I literally almost didn't even feel the needle and was even surprised it was done. The more limp u let ur arm hang, the better. [Show ur parents how it's done.]

CHOP.EDU

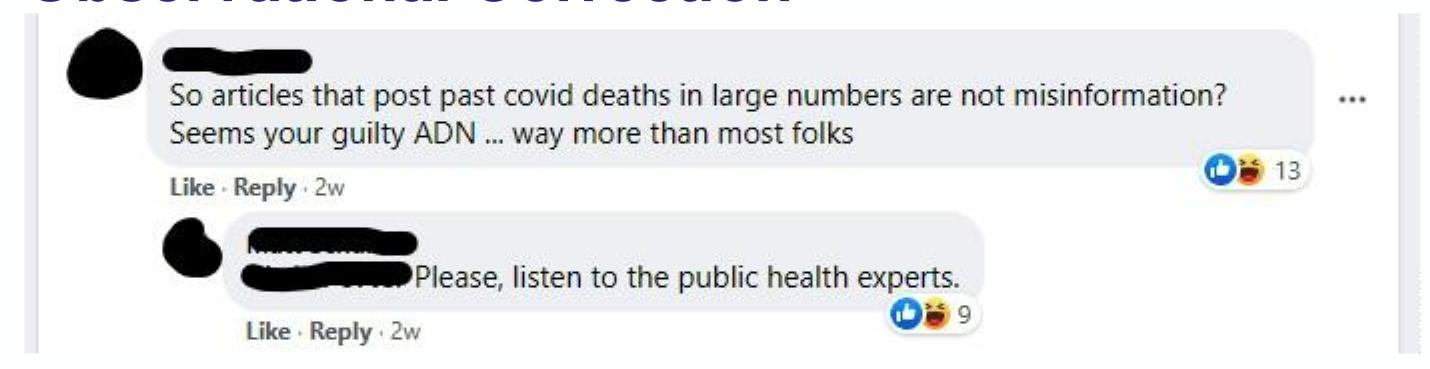
i

Vaccine Safety | Children's Hospital of Philadelphia

Like · Reply · 21w



Observational Correction



Two targets for any corrective message:

- 1. The Sharer: May have a higher resistance to correction. Values and reputation are at stake.
- Observers: Anyone who sees this post.

Research has consistently documented the ability of observational correction to reduce health misperceptions across platforms and topics, and including correction from a variety of sources

Meme



https://www.cdc.gov/vaccinesafety/research/publications/index.html

Vaccine Safety Publications | Research | Vaccine Safety | CDC

cdc.gov

Just now Like Reply

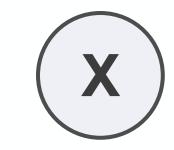
Inoculate

Inoculate (Prebunk) Misinformation Before False Beliefs Take Hold

Goal: Expose people to a weakened version of the misinfo and equip them with counter-arguments



__ (!





FACT

WARNING

FALLACY

FACT

Lead with the fact

Misinformation alert!

Flag tactics used to deceive Provide alternative correct info

Make it clear, relevant, sticky

Misleading tactics alert!

Undermine trust in disinformation authors

Must replace misinformation, cannot leave a vacuum

Make correct information stickier than misinformation

Source: Misinfo Management Field Guide

Inoculate

Stronger Example

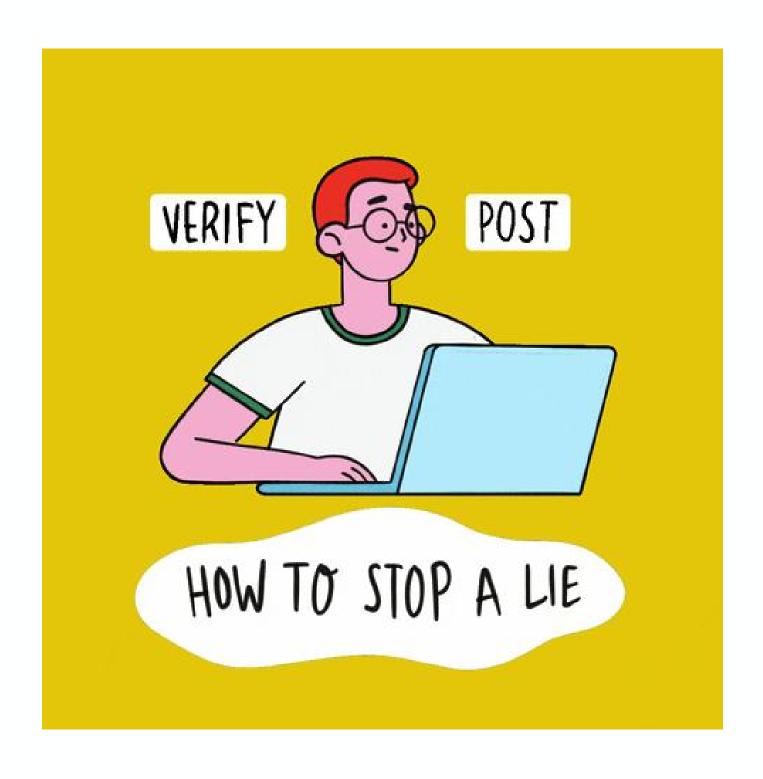


Inoculate

Meme Example



Report



- Social media platforms have committed to taking down misinformation about vaccines and COVID-19
- Reporting misinformation helps hold the platforms accountable, and helps the platforms hold publishers, outlets, and superspreaders accountable
- Each platform has a menu button next to each post with a 'report' option.
 Here is a walkthrough of how to report on Facebook, Instagram, and Twitter.
- Focus on posts sharing links to content from major vaccine opposition players

Goal: Get misinformation taken down before it spreads

Report

Example - Twitter

- The image below contains misinformation. The link and username are covered.
- If you see something like this on social, report it



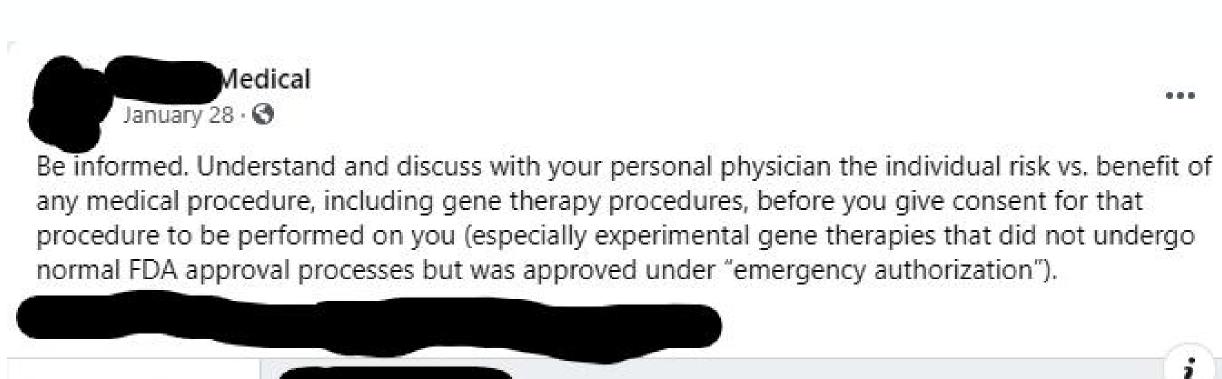
New analysis concluded Pfizer's COVID vaccine killed "about 40 times more (elderly) people than the disease itself would have killed" during a recent 5 week vaccination period, & 260 times more younger people than would have died from the virus.

773 Retweets

Report

Example - Facebook

This profile tries to derive extra credibility by having "Medical" in their name





Horrific Latent Deaths Predicted Among the Elderly by Genetics Professor After Immunization With RNA Vaccines - LewRockwell...

PROFESSOR DOLORES CAHILL, PROFESSOR of TRANSLATIONAL RESEARCH (FORSCHUNG) AND MOLECULAR GENETICS, School of Medicine, University College Dublin, chairperson Irish Freedom Party, speaking at RENSE.com,...

Do's and Don'ts

You May Need to Adjust...

DO

- Be personal and empathetic
- Listen and validate the person's concerns
- Rely on science and data and personal experience
- Account for the varying experiences of people in different demographic groups
 - Many communities of color have valid historical reasons to be skeptical of the health system

DON'T

- Get political
- Repeat misinformation
- Take it personally
- Vilify the sharer
- Rely on fear

One more time...













FACT

Lead with the fact

Make it clear, relevant, sticky

WARNING

Misinformation alert!

Misleading tactics alert!

FALLACY

Flag tactics used to deceive

Undermine trust in disinformation authors

FACT

Provide alternative correct info

Must replace misinformation, cannot leave a vacuum

Make correct information stickier than misinformation

Resources

FACT CHECKING	FURTHER READING
 Public use: Healthfeedback.org Fullfact.org Politifact (poynter) Snopes AFP Fact Check Mayo Clinic "Expert Answers" Fact checks from USA Today, Reuters, AP, etc. Personal use: Skeptical raptor First Draft Vaccine Insights Hub 	 WHO: How infodemics affect the world & how they can be managed Debunking Handbook 2020 (climate change) Vaccine Misinformation Management Field Guide Changing the COVID Conversation Communications Cheat Sheet Facebook's misinformation policies Google Fact Check Explorer

Thank you!

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