

# Happy Nurses' Week

## Happy School Nurse Day

May  
11<sup>th</sup>



SN  
Day



# SCHOOL HEALTH OFFICES IN THE VORTEX OF THE PANDEMIC

May 10, 2022

SCHOOL SAFETY & SOCIAL WELLNESS UNIT

# OBJECTIVES

1. Understand Public Health outbreak control measures as they affect schools
2. Describe how those measures were (and were not) applied to the current pandemic
3. Understand recent changes to authority that impact future responses

# AGENDA & HOUSEKEEPING

1. Welcome from ADE
2. Introduction of Co-Sponsors
3. ADE Updates
4. Introduction of Presenter
5. Presentation
6. Q&A Session
7. Evaluation



# WELCOME

## SCHOOL HEALTH OFFICES IN THE VORTEX OF THE PANDEMIC

MAY 10, 2022

SCHOOL SAFETY & SOCIAL WELLNESS UNIT



# CO-SPONSOR



The Arizona Partnership  
for Immunization

**WhyImmunize.org**



# ADE UPDATES

- **Happy Nurses Week – Happy School Nurse Day**

<https://www.azed.gov/wellness>

- **SN HUDDLE:** May 18<sup>th</sup> 2:00 – 3:00 pm
- **Save the Date:** October 1<sup>st</sup> SN Convention



# SPEAKER



**Bob England, MD, MPH**  
Interim Executive Director  
TAPI

“Dr. Bob” is the Interim Executive Director for The Arizona Partnership for Immunization, our state’s immunization coalition. He’s a career-long public health doctor, who has run three local health departments, including Pima and Maricopa Counties, as well as having been the State Epidemiologist for Arizona. He keeps trying to retire but just can’t while COVID is still a thing and has made a second career of being a ‘permanent interim.’ He spent the last 20 years of his career endlessly preparing for and drilling for a pandemic. He wants to share his insight as to just how badly that worked out, and why.





# School Health Offices in the Vortex of the Pandemic

Arizona Dept of Education  
May 10, 2022

Bob England, MD, MPH  
Interim Executive Director  
The Arizona Partnership for Immunization

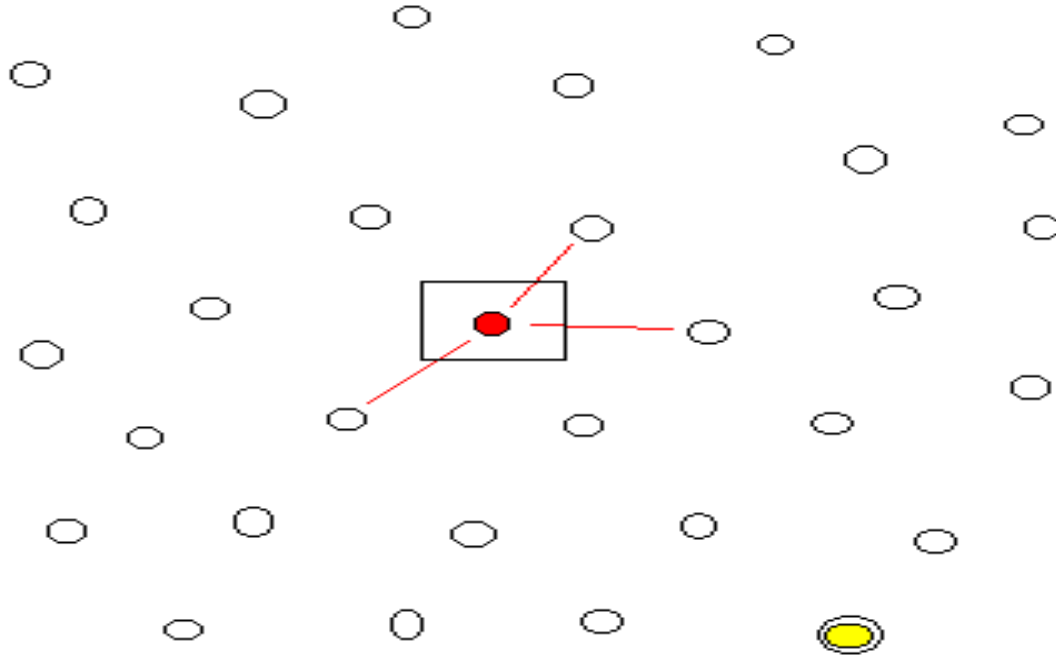


# Of note:

- We will discuss some politics  
(No way to avoid it to understand where we've been and are likely to go)
- Changes are inevitable
- Happy School Nurses Day! (yeah, I know it's tomorrow)

'' nor yourselves

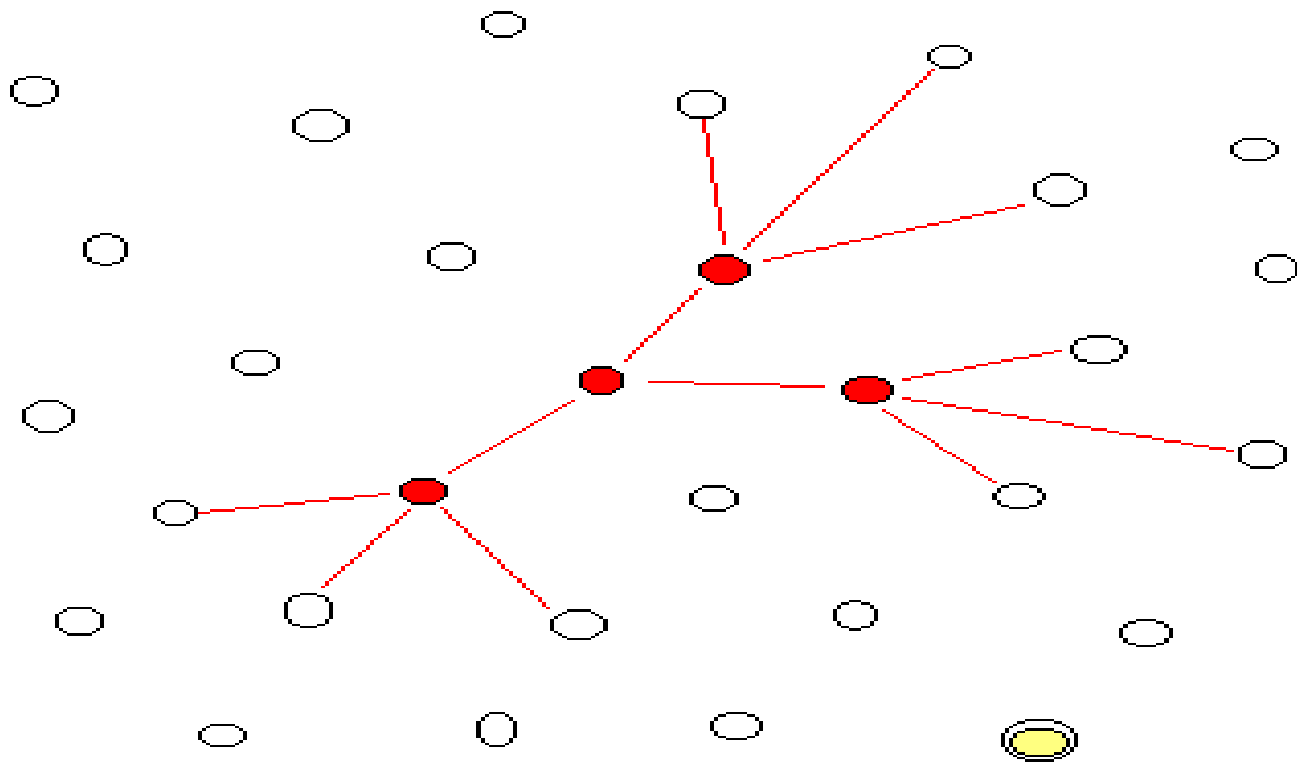
# “Building walls” around disease



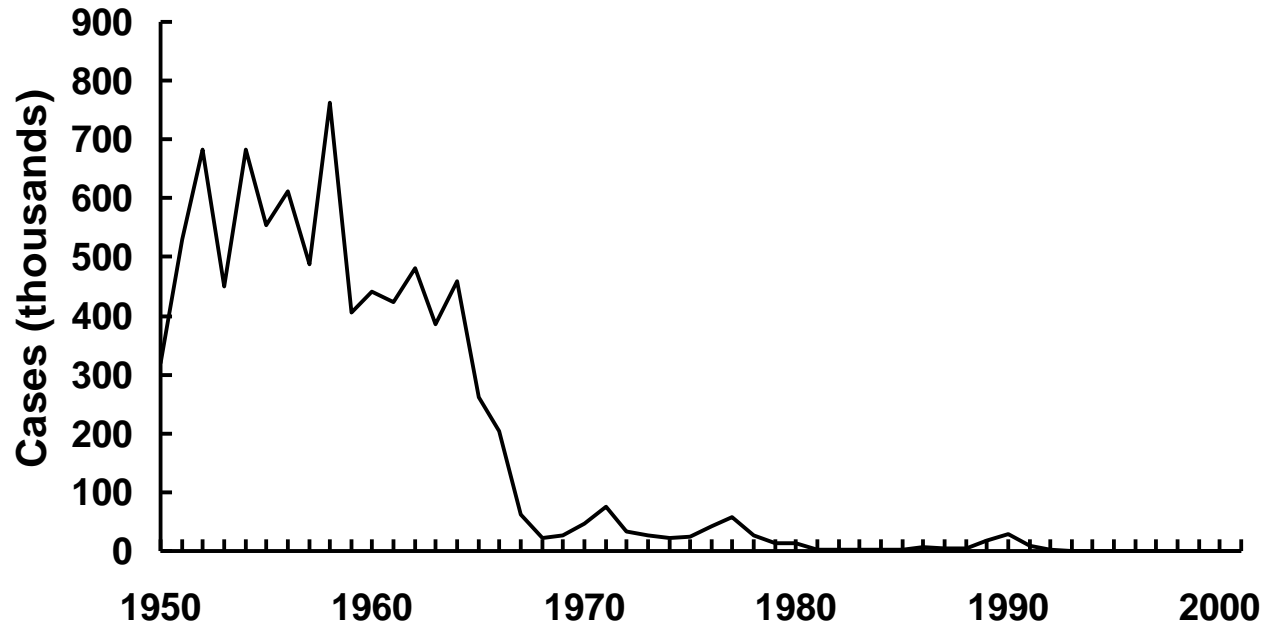
# Ways to Build Walls

- Literally “build walls” (isolate)
- Treat cases to render noninfectious
- Treat contacts to cut off incubating disease
- **Immunizations**
- Behavior change
- Render environment less facilitating of transmission (e.g., sanitary conditions)
- Policy decisions that are less facilitating of transmission (e.g., access to health care)

# Herd Immunity...



# Measles – US, 1950 - 2001



## Comparison of 20<sup>th</sup> Century Annual Morbidity and Current Morbidity: Vaccine-Preventable Diseases

Disease	20th Century Annual Morbidity <sup>†</sup>	2020 Reported Cases <sup>††</sup>	Percent Decrease
Smallpox	29,005	0	100%
Diphtheria	21,053	1	> 99%
Measles	530,217	13	> 99%
Mumps	162,344	621	> 99%
Pertussis	200,752	5,398	97%
Polio (paralytic)	16,316	0	100%
Rubella	47,745	6	> 99%
Congenital Rubella Syndrome	152	0	100%
Tetanus	580	15	97%
<i>Haemophilus influenzae</i>	20,000	11*	> 99%

<sup>†</sup> JAMA. 2007;298(18):2155-2163

<sup>††</sup> Centers for Disease Control and Prevention. National Notifiable Diseases Surveillance System, Weekly Tables of Infectious Disease Data. Atlanta, GA. CDC Division of Health Informatics and Surveillance. Available at:

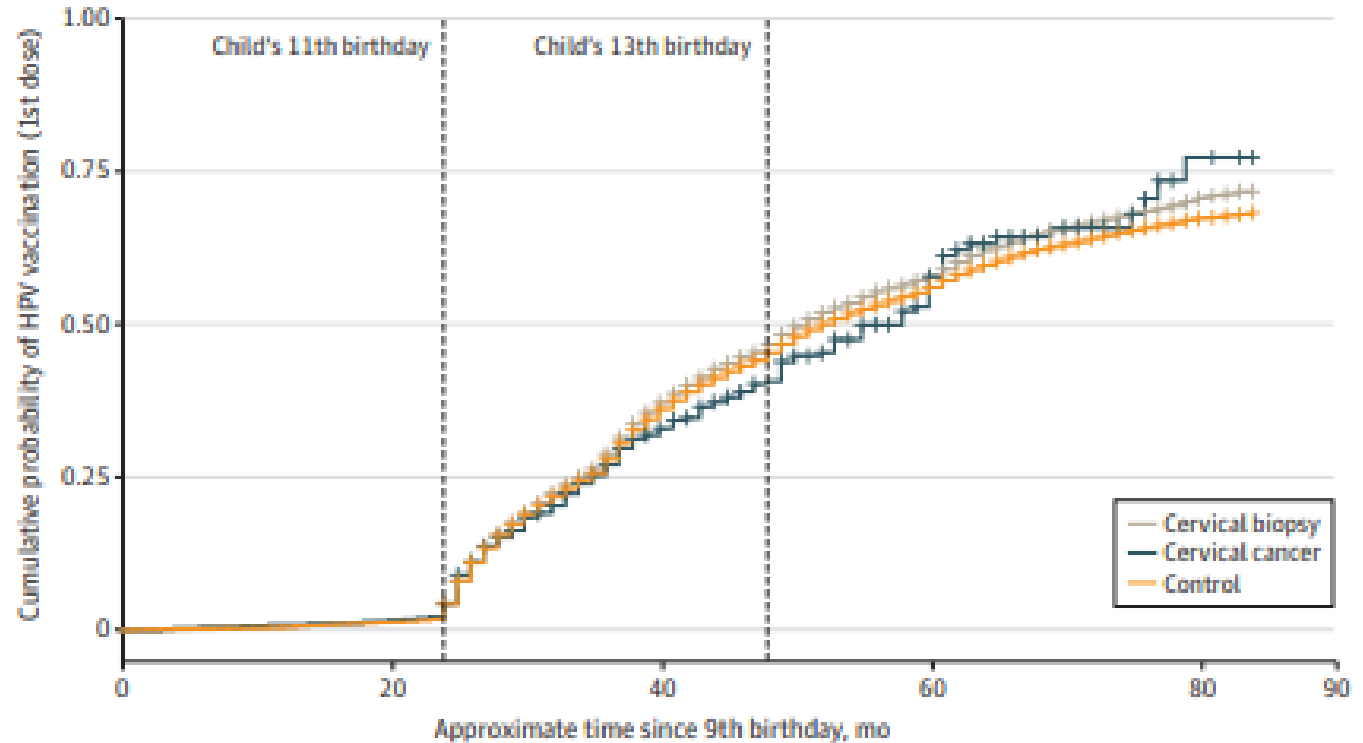
[https://wonder.cdc.gov/nndss/nndss\\_weekly\\_tables\\_menu.asp?mmwr\\_year=2020&mmwr\\_week=53](https://wonder.cdc.gov/nndss/nndss_weekly_tables_menu.asp?mmwr_year=2020&mmwr_week=53). Accessed on January 7, 2021.

\* *Haemophilus influenzae* type b (Hib) < 5 years of age. An additional 7 cases of Hib are estimated to have occurred among the 136 notifications of *Haemophilus influenzae* (< 5 years of age) with unknown serotype.

The world is  
different  
now

Figure 1. Kaplan-Meier Curves of Time to First Human Papillomavirus (HPV) Vaccine, Stratified by Sex and Maternal History of Cervical Cancer and Biopsy

A First HPV vaccination by group, turned 9 years old in 2012-2016 (girls)



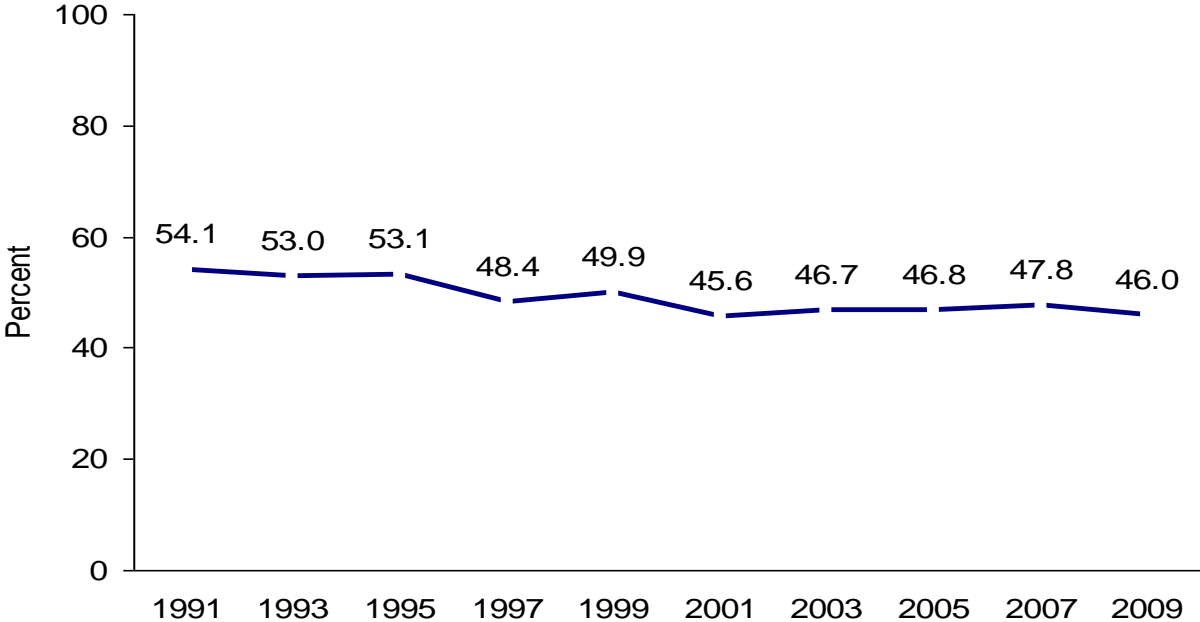
But  
personal  
experience  
doesn't  
predict  
vaccination



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# Percentage of High School Students Who Ever Had Sexual Intercourse, 1991 – 2009<sup>†</sup>



I cannot think of a single public health problem that has been solved by education and voluntary behavior change.

Can you?

We were  
COCKY...

(US ranked  
most prepared  
for a health  
security  
threat)



October 2019




# Pre-existing public health authority

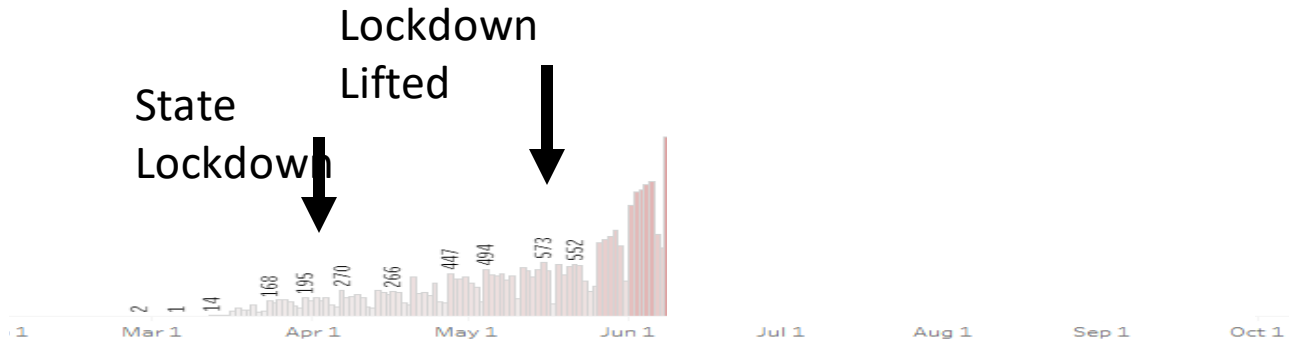
- ARS 36-601 to 36-603: Abatement of public health nuisances
- ARS 36-624: Quarantine & Sanitary Measures
  - ...the county health department or public health services district may adopt quarantine and sanitary measures... to prevent the spread of the disease...
- ARS 36-725 to 36-728: TB Control orders and procedures
- ARS 36-781 to 36-791: Public Health Emergencies
- ARS 15-873.C: Exclusion during VPD outbreak

# First Wave of COVID-19 Cases in AZ

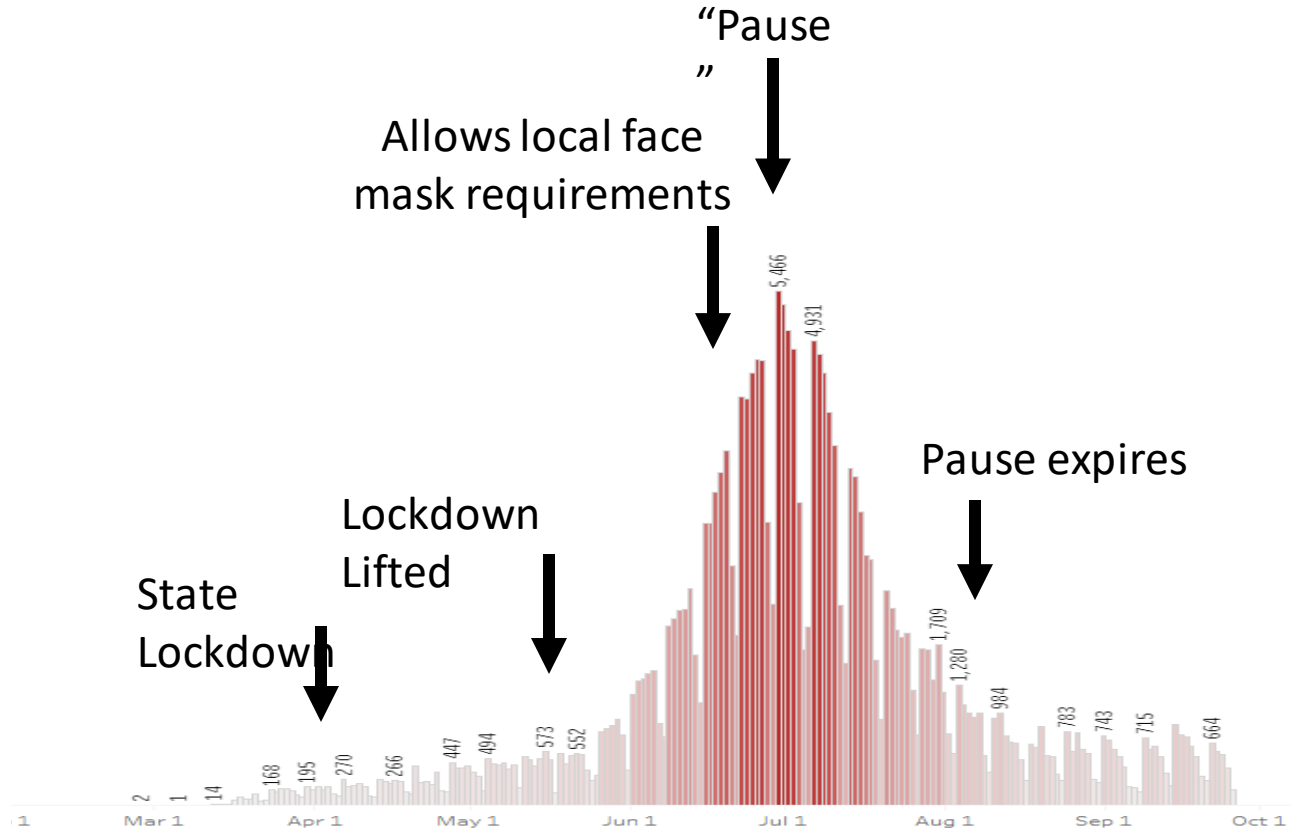
State  
Lockdown



# First Wave of COVID-19 Cases in AZ



# First Wave of COVID-19 Cases in AZ





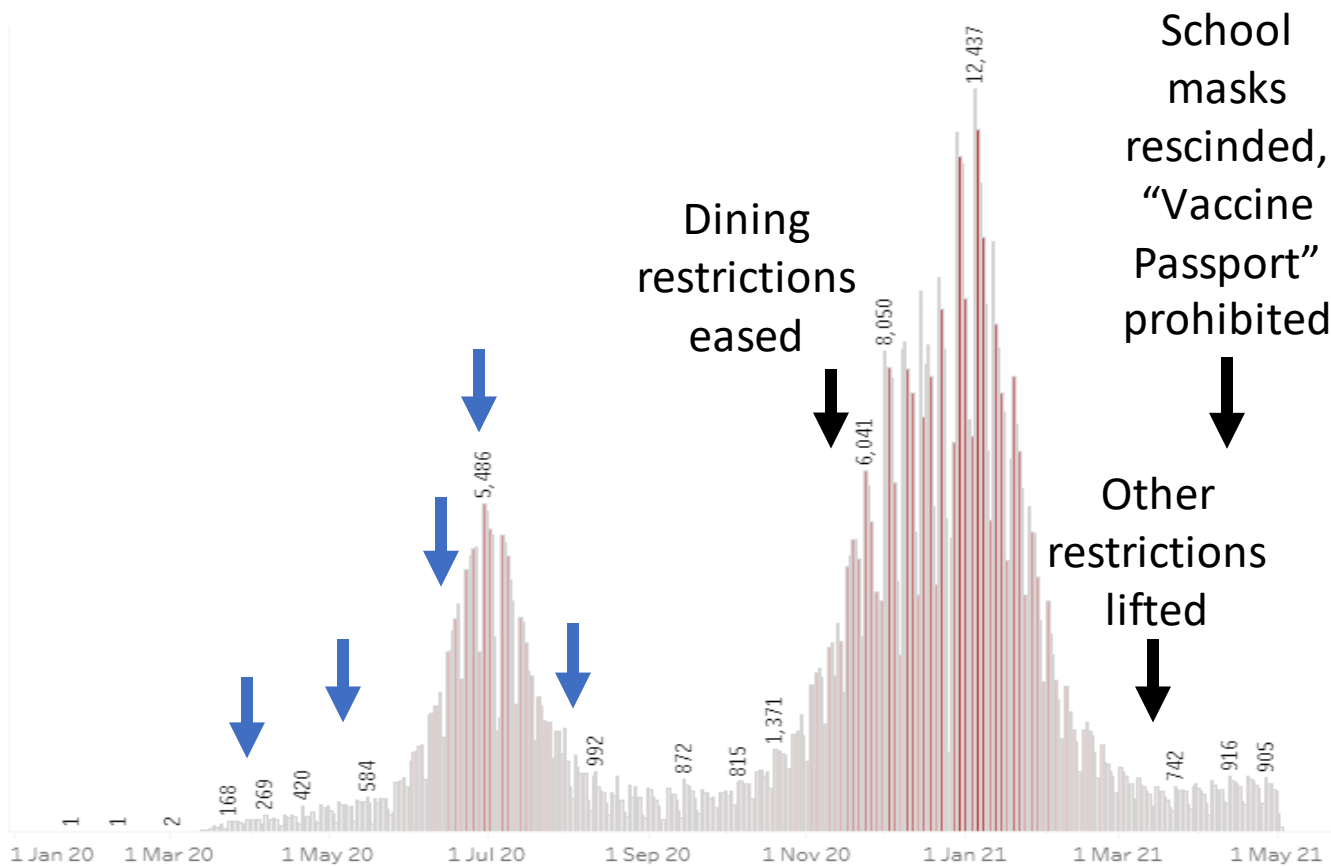
# By June 2020, COVID in Pima County Long-Term Care Centers

- ~25% of all cases
- ~nearly 50% of hospitalizations
- ~60% of all deaths

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- ~nearly 50% of hospitalizations
- ~60% of all deaths
  
- >1/3 of all these cases were staff

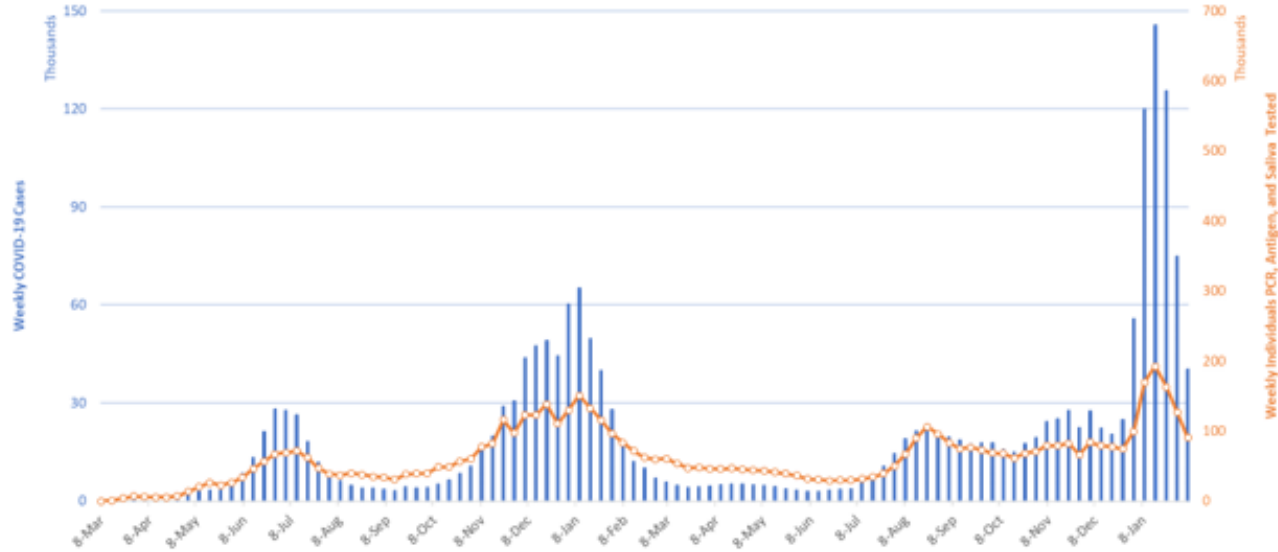
# Through the 2<sup>nd</sup> Wave...



The run-up  
to the  
third...



# And the 3<sup>rd</sup> surpassed everything



**Figure 1. Weekly COVID-19 Cases in Arizona and Number of Individuals Undergoing COVID-19 Diagnostic Testing March 1, 2020 – February 6, 2022.**

Joe Gerald, University of Arizona

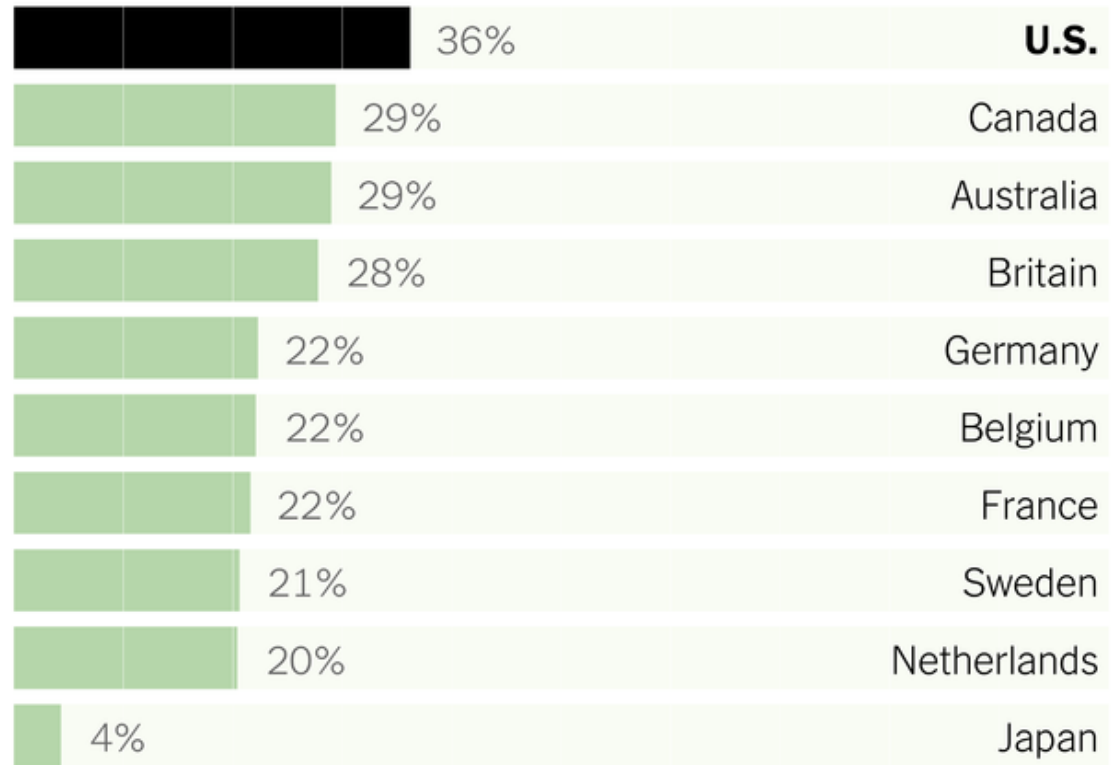
COVID-19 Disease Outbreak Forecast, Arizona State and Pima County

Updated February 11, 2022 <https://publichealth.arizona.edu/news/2021/covid-19-forecast-model/>

# How at risk were we at the start of Omicron wave?

NY Times Coronavirus Briefing, 2022 Feb 2

## Share of adult population with obesity



# Unvaccinated Adults in AZ Jan 2022

<b>11X</b> Risk of Testing Positive for COVID-19	<b>67X</b> Risk of Hospitalization from COVID-19	<b>180X</b> Risk of Dying from COVID-19
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**compared to individuals who were fully vaccinated with a booster.**

<b>1.3X</b> Risk of Testing Positive for COVID-19	<b>4.1X</b> Risk of Hospitalization from COVID-19	<b>7.2X</b> Risk of Dying from COVID-19
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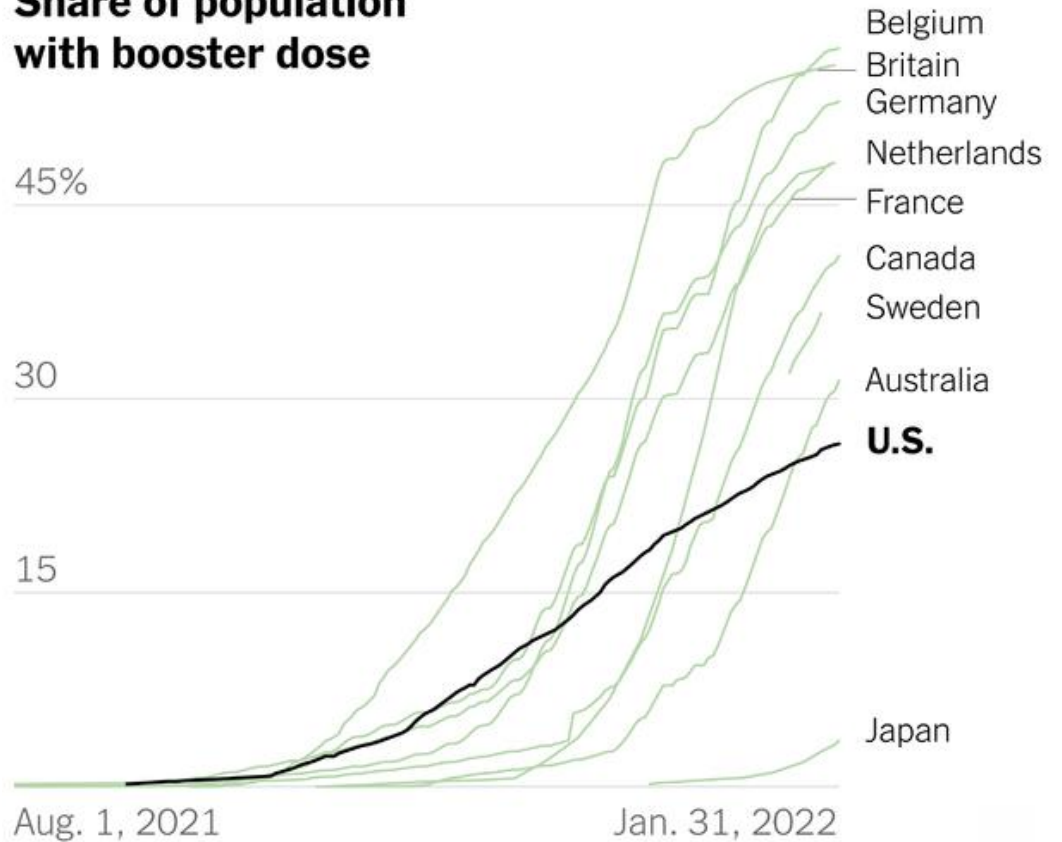
**compared to individuals who were fully vaccinated without a booster.**

[ADHS. Rates of COVID-19 by Vaccination Status in Arizona. 3/2/2022](#)

# So how is the US doing with boosting?

NY Times Coronavirus Briefing, 2022 Feb 2

## Share of population with booster dose





# And the result?

NY Times Coronavirus Briefing, 2022 Feb 2

## Cumulative deaths per capita during the Omicron wave

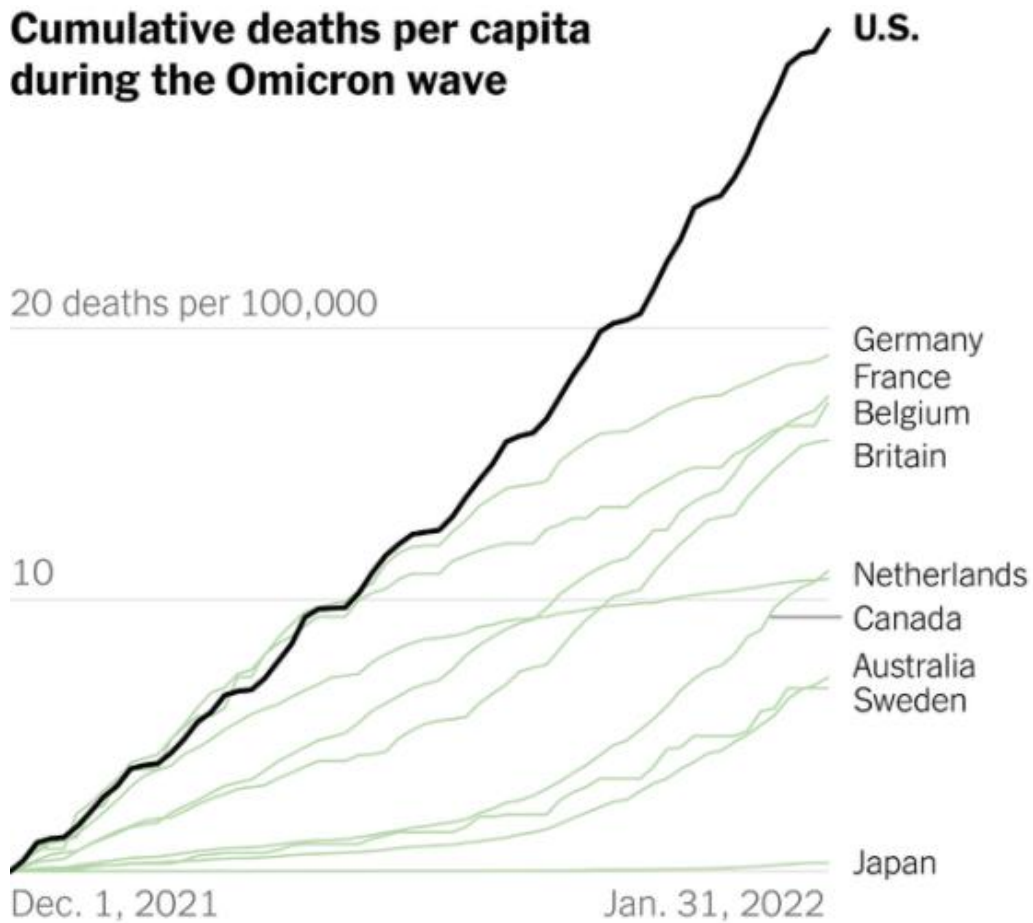


Figure 1. Cumulative COVID Death Rates per 100,000 by State (CDC data as of 03/17/22)

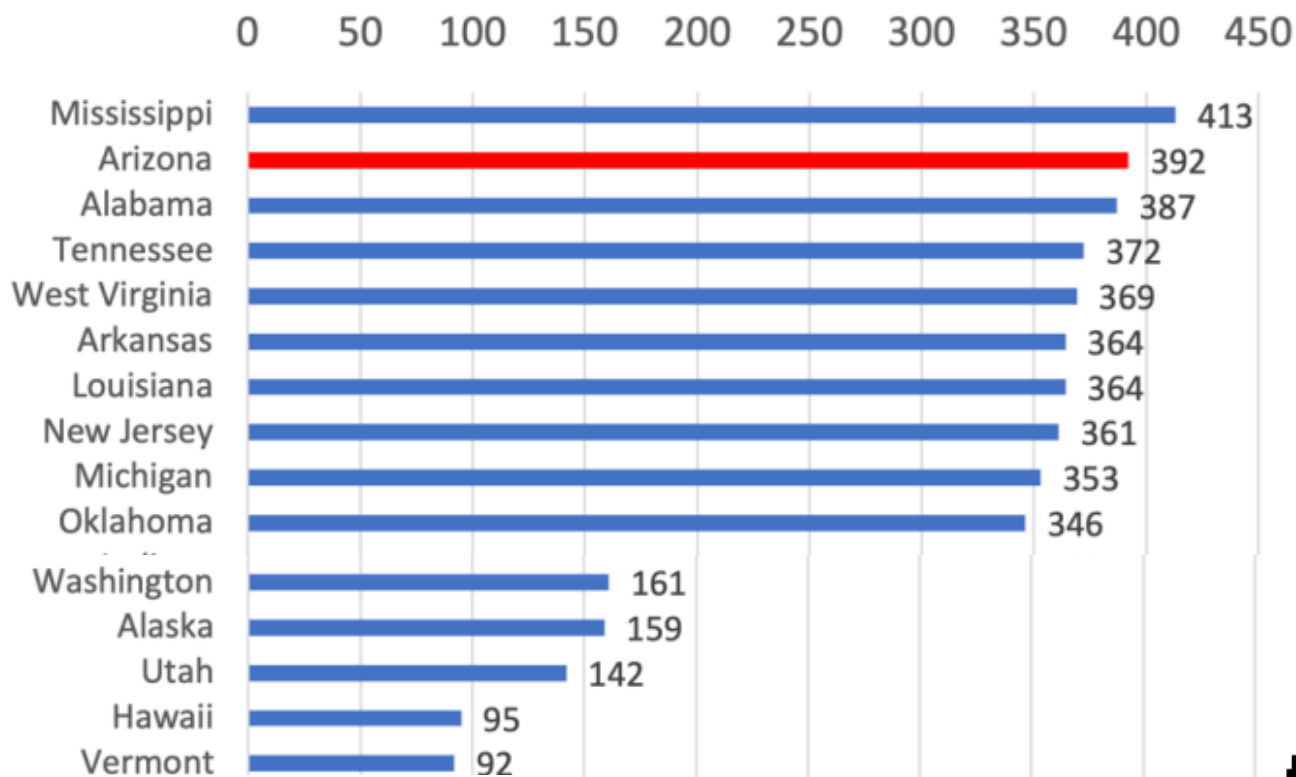


Figure 2. Percent Increase in All Cause Deaths in 2020 Compared to the Pre-Pandemic 2017-2019 Average, by State (CDC data as of 03/11/22)

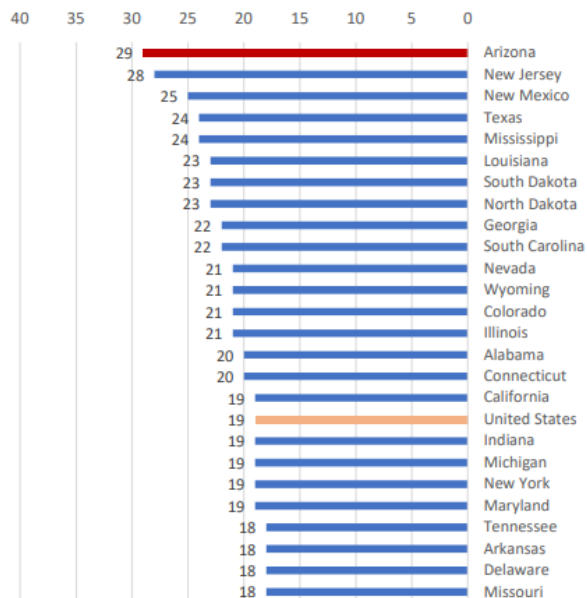
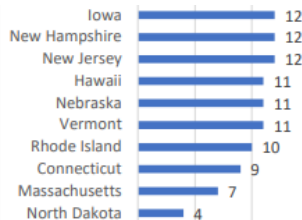
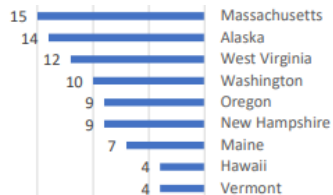
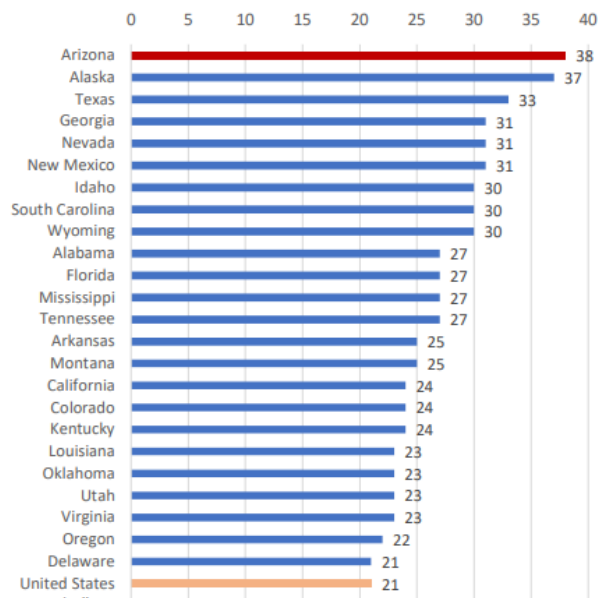
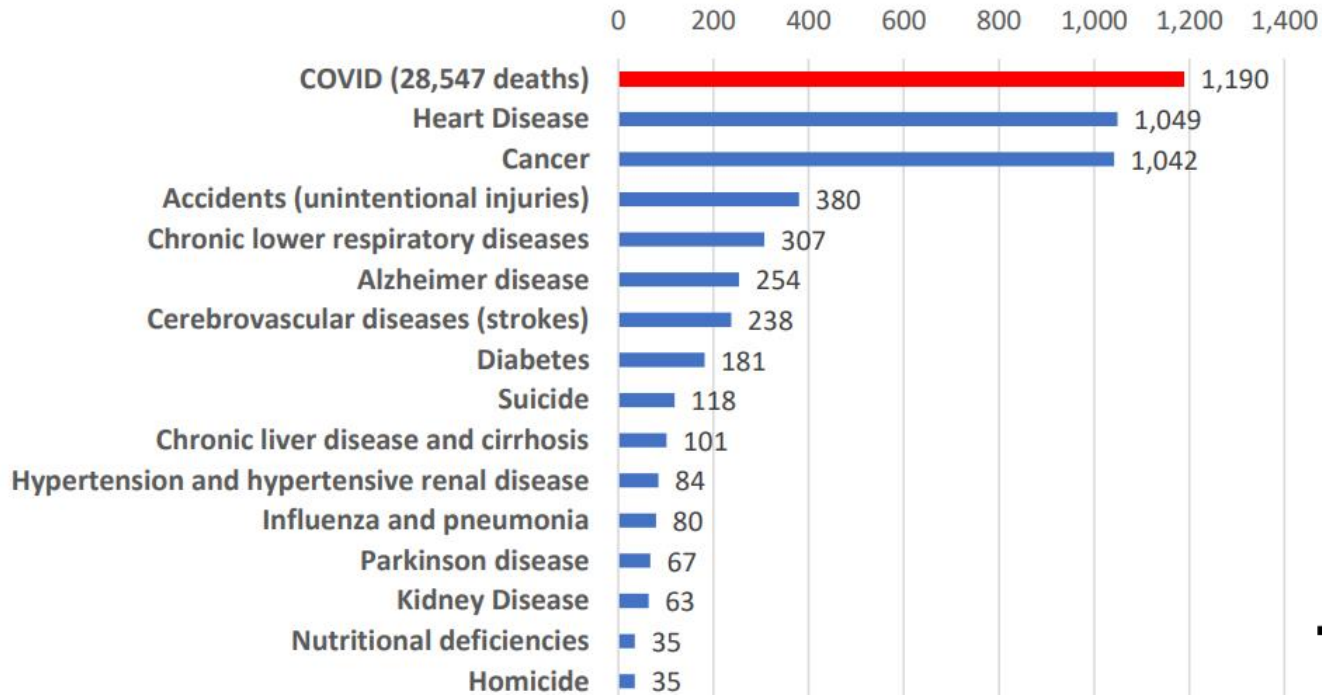


Figure 3. Percent Increase in All Cause Deaths in 2021 Compared to the Pre-Pandemic 2017-2019 Average, by State (CDC data as of 03/11/22)



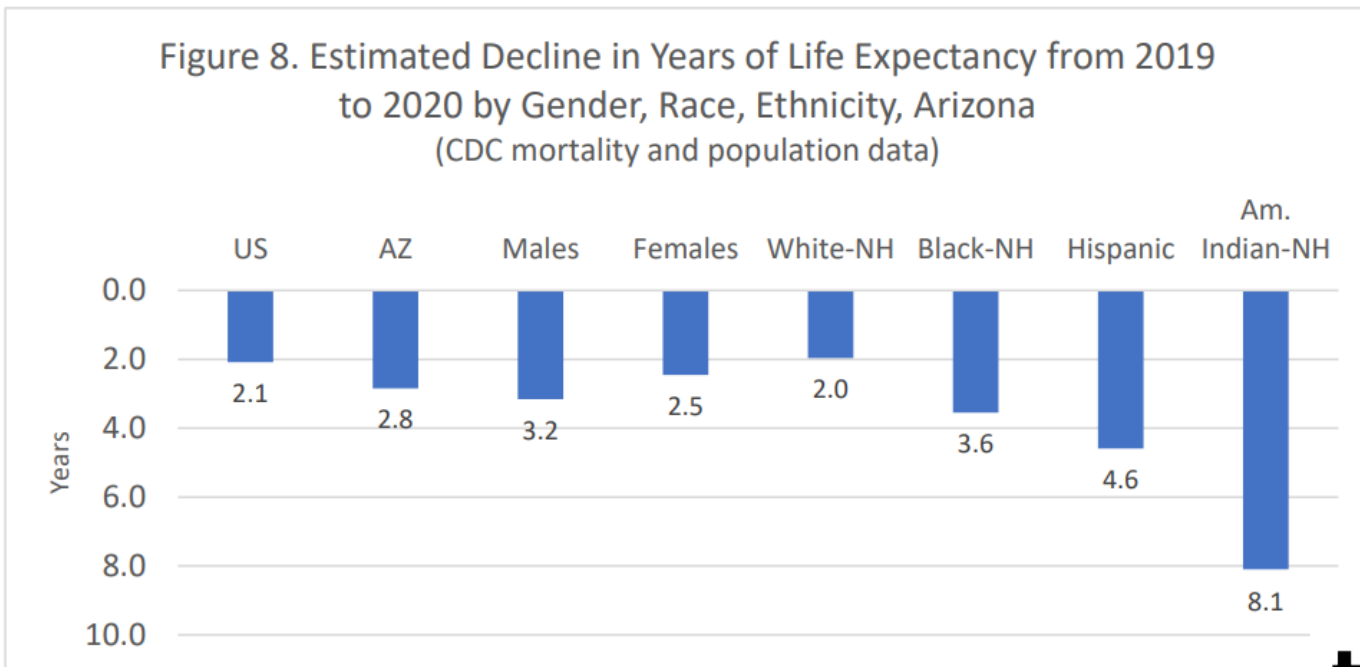
# The *only* state where COVID became the leading cause of death

Figure 4. Average Monthly Deaths from COVID-19 (730 days from 03/17/20 to 03/16/22) vs Pre-Pandemic (2019) 15 Leading Causes, Arizona



# The usual disparities writ large...

Figure 8. Estimated Decline in Years of Life Expectancy from 2019 to 2020 by Gender, Race, Ethnicity, Arizona (CDC mortality and population data)



# TWO YEARS OF COVID DEATHS IN ARIZONA: WHERE WE STAND IN EIGHT CHARTS

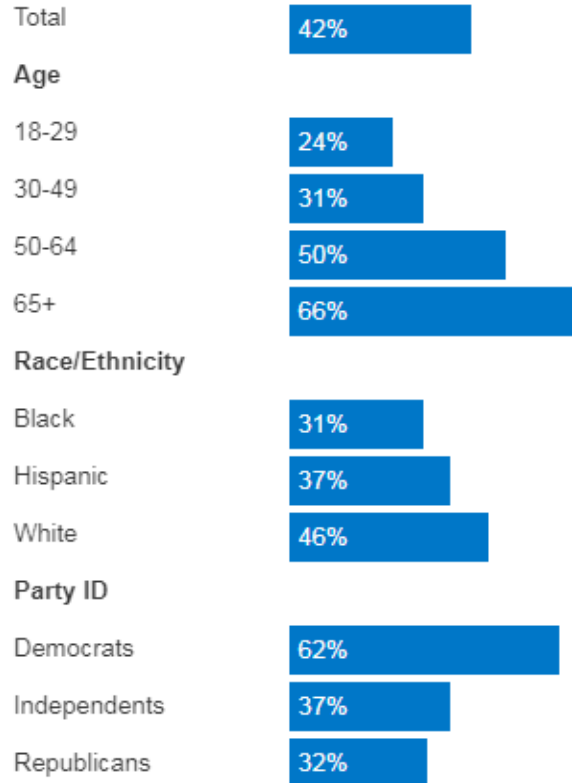
AzPHA 3-21-2022 azpha.org

...our review suggests that Arizona was the **worst performing state in the U.S.** in terms of preventing deaths from COVID-19 as evidenced by the fact that AZ:

- Has the largest percent increase in all-cause mortality during the pandemic;
- Is the only state in which COVID-19 has been the leading cause of death during the pandemic; and
- Currently has the 2nd highest COVID-19 mortality rate in the U.S. averaged over the pandemic.

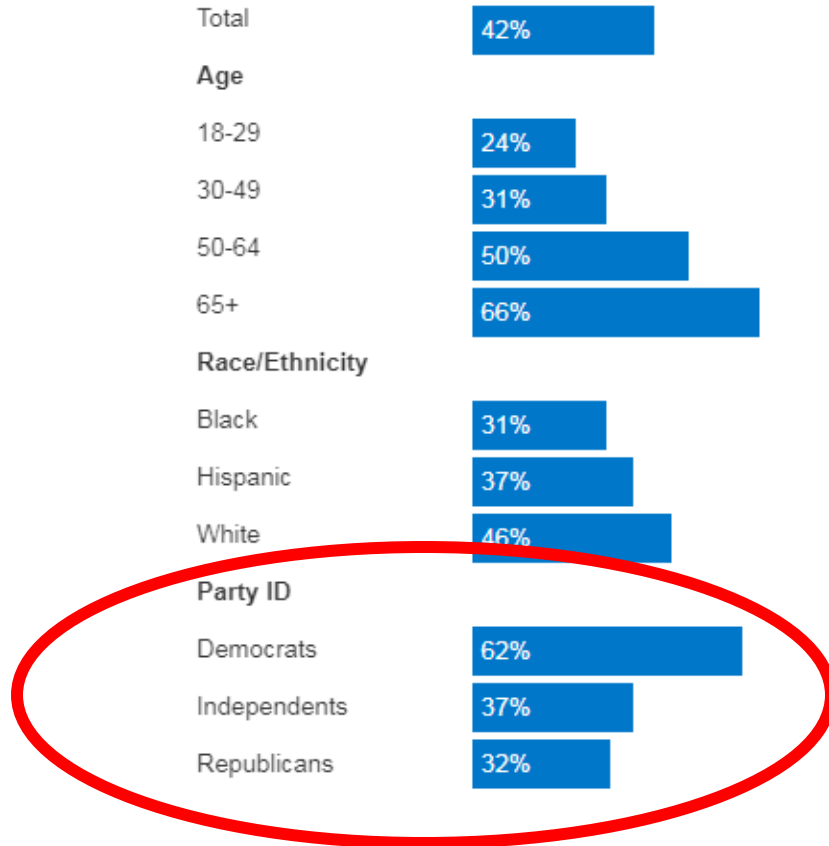
While the reasons for Arizona's poor performance are multi-factorial, the strong link between pandemic-related death rates and public health policy decisions in Arizona, including prohibitions against proven effective interventions, suggest that a significant reason for Arizona's poor performance are the policy decisions made by the Governor and his appointed health directors during the first two years of the COVID-19 pandemic.

# Percent of US Adults reporting a COVID Vaccine booster



Kaiser Family Foundation  
COVID-19 Vaccine Monitor  
[https://www.kff.org/coronavirus-covid-19/dashboard/kff-covid-19-vaccine-monitor-dashboard/?utm\\_source=web&utm\\_medium=trending&utm\\_campaign=COVID-19-vaccine-monitor](https://www.kff.org/coronavirus-covid-19/dashboard/kff-covid-19-vaccine-monitor-dashboard/?utm_source=web&utm_medium=trending&utm_campaign=COVID-19-vaccine-monitor)  
accessed 2/19/2022

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Kaiser Family Foundation  
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[https://www.kff.org/coronavirus-covid-19/dashboard/kff-covid-19-vaccine-monitor-dashboard/?utm\\_source=web&utm\\_medium=trending&utm\\_campaign=COVID-19-vaccine-monitor](https://www.kff.org/coronavirus-covid-19/dashboard/kff-covid-19-vaccine-monitor-dashboard/?utm_source=web&utm_medium=trending&utm_campaign=COVID-19-vaccine-monitor)  
accessed 2/19/2022



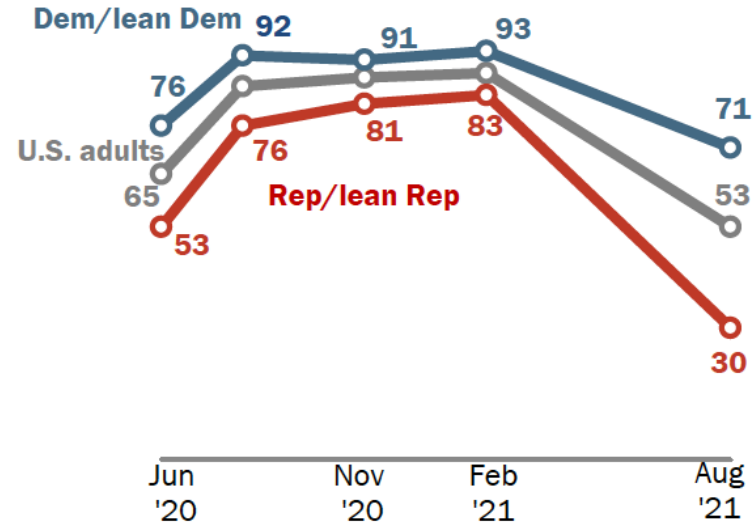
# Other partisan COVID divides

(Despite 72% personally knowing someone who was hospitalized or died)

PEW Research Center,  
2021 Sept 15  
<https://www.pewresearch.org/science/2021/09/15/majority-in-u-s-says-public-health-benefits-of-covid-19-restrictions-worth-the-costs-even-as-large-shares-also-see-downsides/>

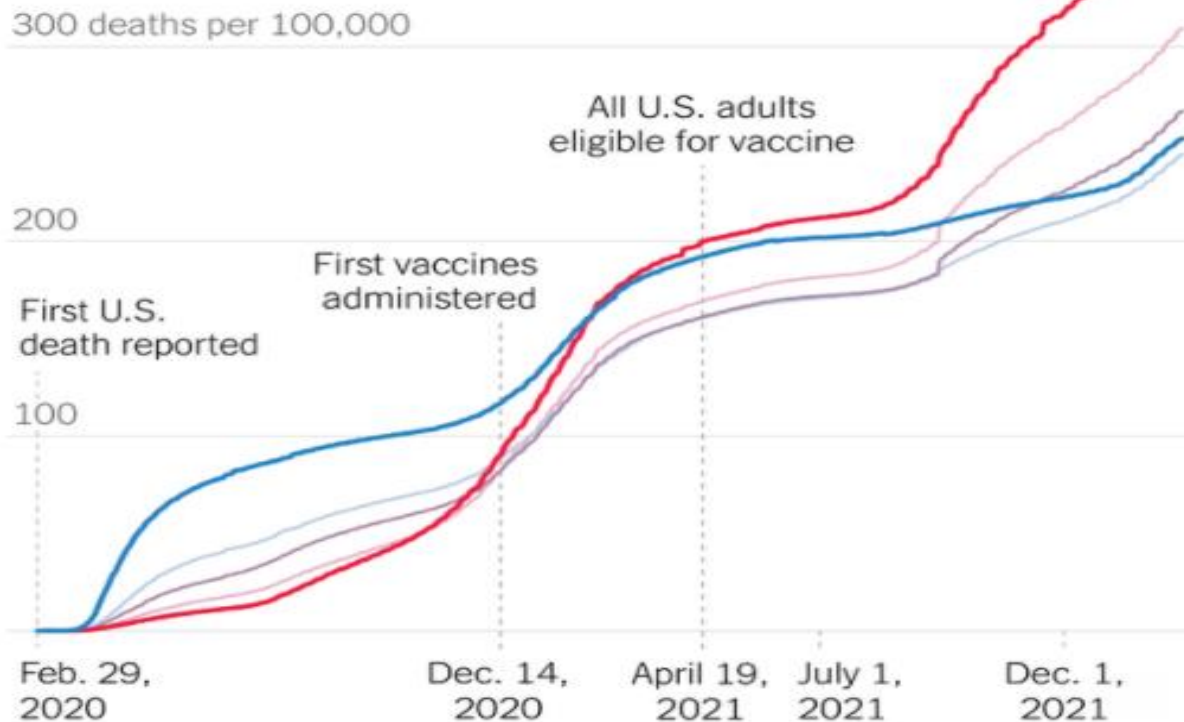
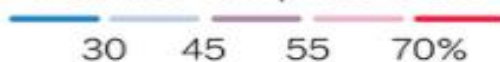
## Sharp decline in frequent mask wearing among Republicans since February

*% of U.S. adults who say they have worn a mask or face covering **all or most of the time** in stores and businesses over the past month*



# Cumulative U.S. deaths per capita

Counties' Trump vote share



Data as of Feb. 13. | Source: New York Times database; Edison Research

# Statutes from last year

- ARS 36-681: COVID-19 passport prohibition
- ARS 44-7951: All businesses exempt from mask mandate

# Bills signed into law this year

- HB 2498 - Any "government entity" (defined) is prohibited from requiring a resident of Arizona to receive a vaccination for COVID.
- HB 2616 - Prohibits this state or schools from requiring a person under 18 years of age to wear a mask without the parent's consent.
- SB 1009 - Beginning on Gov. Ducey's last day, caps the length of a Governor's public health emergency declaration at 120 days, unless extended by the Legislature in 30-day increments.

# Not just legislative...

- A [\\$163 million program](#) using the federal relief money provides up to \$1,800 in additional funding per pupil in public and charter schools. But schools that required masks would not be eligible.
- The Treasury Department threatens that it could claw back some of the state's pandemic aid and withhold future payments if the state did not halt or redesign programs that use the money to undercut mask requirements in schools.

<https://www.nytimes.com/live/2022/01/14/world/omicron-covid-vaccine-tests#the-treasury-department-threatens-to-keep-relief-funds-from-arizona-for-using-it-to-fight-school-mask-rules>

# Attorney General Opinion

- If a school relies upon a quarantine or isolation protocol established by a county health department... to quarantine or isolate a student, then all requirements of § 36-789 apply, including the requirement of appointment of counsel contained in § 36-789(M).
- ...the isolation or quarantine may only occur “during [a] state of emergency or state of war emergency declared by the governor.

# Why? Value statements...

- Bills' author: not anti-vaccine, it's all about... choice and liberty.
- "...sacred last frontier of sovereignty is our own body."
- "The idea that we force someone to give up their liberty for the sake of the collective is not based on American values but rather, Communist."

# Medical freedom in the land of the free

In response to my Facebook post from the Medical Freedom March in Phoenix on Saturday, a “pro-vaxxer” posted “Vaccinate your children!” and implied that I formed my opinion about vaccines from a poster.

That it is not an unfamiliar accusation from pro-vaxxers that anti-vaxxers, or more appropriately, former-vaxxers haven’t done their due diligence or are too dumb to understand the research and what they witnessed happening to their own children.

Let’s set aside the medical debate; rather let’s take a look at the vaccine industry from the legal standard of a “reasonable expectation.” What should reasonable citizens expect of the vaccine industry compared to every other industry and from our government?

Is it reasonable to expect that pregnant women do everything possible to give birth to a healthy baby?

As a society we reasonably expect that a pregnant woman or new moms doesn’t smoke and doesn’t drink alcohol or abuse drugs for the well-being of her developing baby or maturity of her breast milk for her newborn.

But then on day one, the baby should be injected with the HepB Johnny – just in case baby Johnny and Janie decide to have sex in the nursery or shoot up drugs.

Next, the current CDC schedule “recommends” that the two-month-old infant be injected with seven vaccine viruses. Never mind reasonable expectation, common sense alone should tell us this is neither safe nor healthy for the developing immune systems

of such fragile, young babies.

Is it reasonable to expect that parents receive complete information about the benefits and risks of all medical procedures being imposed upon their children – whether necessary or voluntary?

Several bills this legislative session intended to provide information to about ingredients, potential risks and a test for natural immunity.

But apparently, our legislators didn’t think that reasonable. All of these bills were defeated or held in committee and even if they had passed out the Legislature the governor pledged his veto.

Is it a reasonable expectation that the vaccine industry has complete impunity and its own independent legal system unlike any other industry?

The National Childhood Vaccine Injury Act (NCVIA) gives the vaccine industry complete immunity (pun inflicted) from any harm and death inflicted by their products.

Since then, the CDC “recommended schedule” exploded from 22 doses of 7 vaccines by age 6 to an outrageous 50 doses of 14 by age 6 – no surprise when there are huge rewards and no risk.

In the Vaccine Injury Court the government defends the manufacturers against citizens injured by vaccines. Did the government defend Monsanto against the aggrieved con-

sumers? Of course not, because no other industry has a “get out of jail free” card.

The National Vaccine Injury Compensation Program has paid out over \$4 billion to compensate people who can’t possibly be injured because, according to them, vaccines are completely safe.

Is it reasonable to expect that all industries be expected to safety test their products prior to market?

The requirements are different not only from other industries but for Big Pharma itself depending on whether the product is a drug or a vaccine. The list of consumer products that have mandated safety testing is virtually endless. Vaccines? Not so much.

Is it surprising that an industry that spends the most money by far on lobbying gets what it wants from our federal and state elected representatives?

As exemplified in the spiraling costs of prescription drugs and efforts to mandate vaccinations from the federal and state level, over the past decade Big Pharma has “invested” over \$25 billion lobbying Congressional members.

There are 1274 registered industry lobbyists in DC, or 2+ lobbyists per member of Congress.

Is it surprising that an industry that spends more money on advertising than it does on research exercises inordinate influence over the MSM messaging about vaccines?

Since direct-to-consumer-advertising began in earnest in the mid-1990s, we have been inundated with endless Big Pharma ads “convincing” us we “need” an ever growing number of drugs or vaccines – for every illness known or created.

According to CBS News

in 2016, nine out of 10 of the largest companies spent more on advertising than research. In 2016, with direct marketing reaching \$10 billion, is it any wonder networks bow at the altar of the pharmaceuticals and their messaging – even in “news” reporting?

Even if proven to be 100% safe, first and foremost we must always support the rights of all parents to refuse to inject vaccines into their child(ren) or themselves for that matter.

First, we kill our babies. Oh, but it’s a woman’s choice – until it is not such as in the case of China.

We now have eight states and the District of Columbia that allow “physician-assisted” suicide. How long will it be until it goes from something the government “allows” to something it “mandates”?

Once we allow our seniors and disabled to be “voluntarily” euthanized, how long will it be until it is mandated for medical expediency and cost savings? Not unheard of even in non-communist countries around the world.

Could all of this become possible if we capitulate to forced vaccination of our children or ourselves? History teaches us that Stalin, Hitler, Mao Zedong, Pol Pot mandated bullets be “injected” into their citizens. It is a very slippery slope indeed.

When government goes from being the protector of our rights to the grantor of our rights and logins forcibly mandating what we must, under penalty of law, put into our most private, personal possession – our bodies – God protect us, anything becomes possible.

Diane Douglas was formerly Arizona superintendent of public instruction from 2015 to 2018.

“...the two-month-old infant be injected with seven vaccine viruses.... common sense alone should tell us this is neither safe nor healthy for the developing immune systems of such fragile, young babies.”

“Could all of this become possible if we capitulate to forced vaccination of our children or ourselves? History teaches us that Stalin, Hitler, Mao Zedong, Pol Pot mandated bullets be ‘injected’ into their citizens. It is a very slippery slope indeed.”



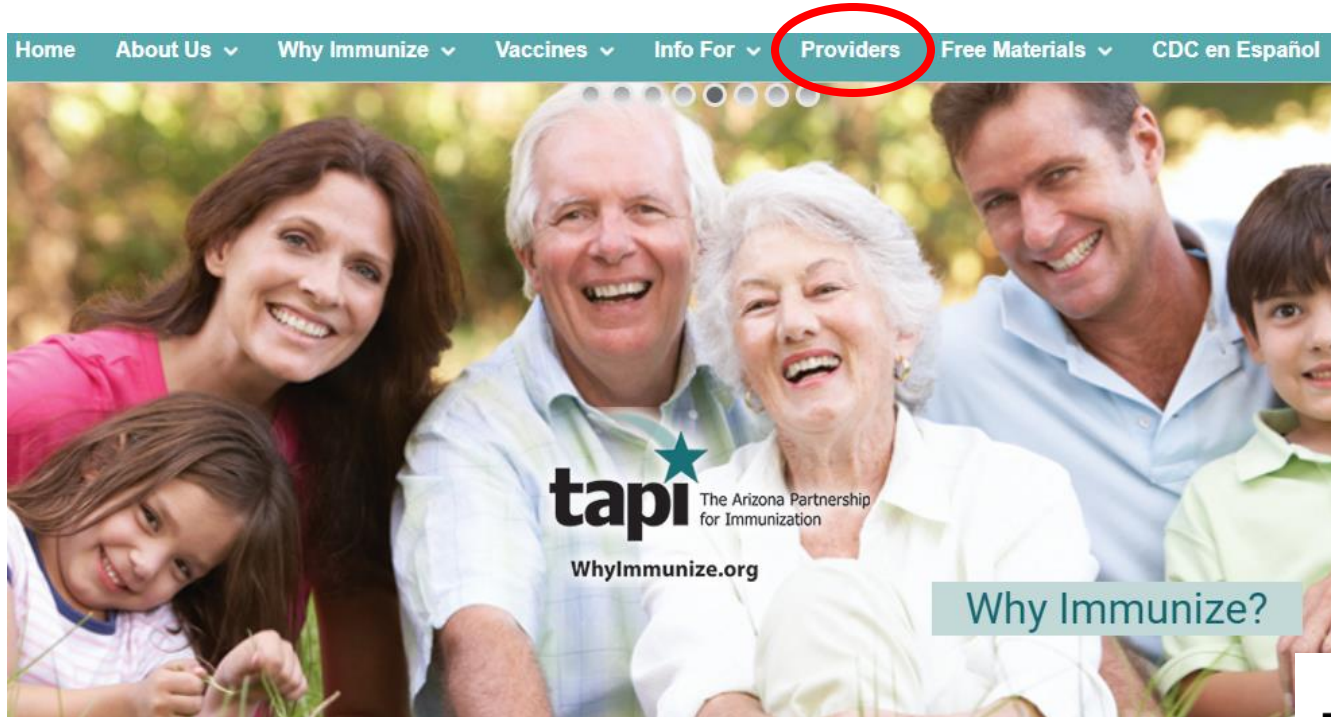
# Worldview

- Shared sense of reality of a group
- Therefore, gets to one's very identity
- Ever try to argue logically against someone's *religion*?
- Add confirmation bias...
- Add increasing national disunity/tribalism

# America is all about Liberty

- We have the liberty to drive, but not to speed
- We abide by “rules of the road” to protect others (and it makes traffic efficient)
- We need a license to drive

# WhyImmunize.org



# Arizona

Parents Who Protect

A Parent Voice in Vaccine Advocacy  
WhyImmunize.org



# Arizona

Parents Who Protect

A Parent Voice in Vaccine Advocacy  
WhyImmunize.org



## Join AZ families who believe that vaccines save lives

- Do you have a **story to share** with your community about how immunizations protected your family?
- Do you support vaccines and **evidence based vaccine education** for all parents in Arizona?

Are you active on social media and do you want to **share your support of immunizations** to others?

**Community Immunity** protects our youngest and most vulnerable children.

Join the conversation and get involved with other Arizona families via:



Facebook @WhyImmunize  
Twitter @WhyImmunize

**Be Part of a Network of Pro-Vaccine, Pro-Health, and Pro-Community Parents & Families**

# Q&A SESSION

Type your questions in the chat!

Answers to questions that are not addressed today will be sent out following this presentation.



# EVALUATION

Please let us know how we did by completing our short evaluation (QR Code or link in chat).

A certificate of completion will be provided after submission of your evaluation.



Evaluation Link



**THANK YOU!**

SCHOOL SAFETY & SOCIAL WELLNESS UNIT

<https://www.azed.gov/wellness/school-nursing-and-health-services>