

COVID WEBINAR

Nurses are Strong: Changing the Scene of Vaccines

May 13, 2022 at 1:00 EST



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Daisy Nurse Leader
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a **PHMC** affiliate



The National Nurse-Led Care Consortium (NNCC) is a non-profit membership organization that supports nurse-led care and nurses at the front lines of care.

NNCC supports comprehensive, community-based primary care and public health nursing through policy and advocacy, program development and management, technical assistance and support, and direct, nurse-led healthcare services.

Learn more at NurseLedCare.org

CDC COVID Vaccine Project Goals



Q: Can I get the vaccine if I don't have insurance?

A: Yes, Covid-19 vaccines are 100% free in the United States.

- Empower nurses with necessary information to engage care teams and communities about COVID-19 vaccines.
- Provide learning opportunities to share up-to-date guidance, support peer engagement among nursing colleagues, and strengthen the nursing role.
- Amplify the nursing voice by featuring nurse champions through our podcast and other media outlets.

Learn more at NurseLedCare.org

Housekeeping Items

Question & Answer

- Click Q&A and type your questions into the open field.
- The Moderator will either send a typed response or answer your questions live at the end of the presentation.

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- Please complete the evaluation survey after today's training.
- Certificate will arrive within 4 weeks of completing the survey.

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COVID-19 UPDATES & RESOURCES

April 21, 2022: COVID-19 mortality preventable by vaccines

- About 234,000 COVID-19 deaths since June 2021 could have been prevented with vaccinations
- These preventable deaths represent 60% of all adult COVID-19 deaths since June 2021, when vaccines became widely available.

Share of adult population and adult COVID-19 deaths by vaccination status, 23 jurisdictions in the U.S., September 2021 to February 2022

■ Unvaccinated ■ Vaccinated with primary series ■ Vaccinated with booster

Share of adult COVID-19 deaths



April 28, 2022: Moderna Files for Authorization of its COVID-19 Vaccine in Young Children Six Months to Under Six Years of Age

Phase 2/3 KidCOVE Study:

- ~ 6,700 participants aged 6 months to under 6 years were enrolled
- Two doses of 25 μg provided similar immunogenicity to the 100 μg two-dose primary series in adults ages 18 to 25 years
- Vaccine efficacy in children 6 months to 2 years was 43.7% and vaccine efficacy in the 2 to under 6 years age group was 37.5%
- No severe COVID-19 disease was observed in either age group



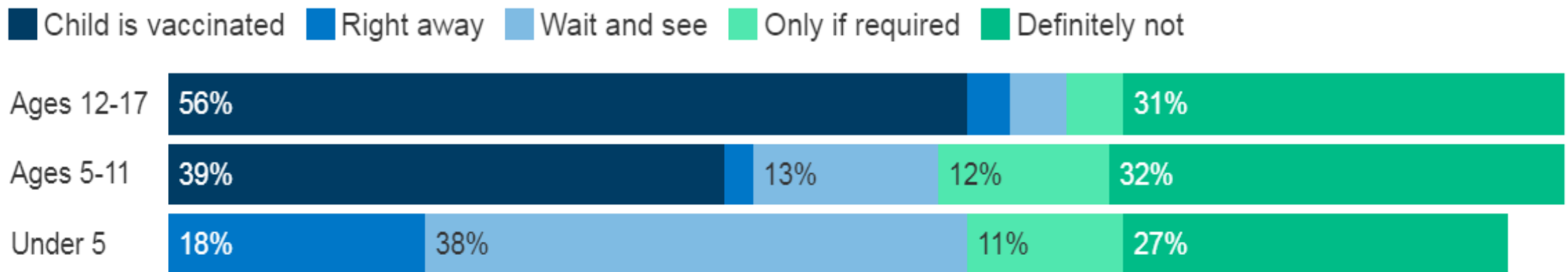
Image: [Verywell Health](#)

KFF COVID-19 Vaccine Monitor: April 2022

Figure 1

One In Five Parents Of Children Under 5 Want To Vaccinate Their Child For COVID-19 Right Away When Authorized, But Four In Ten Want To Wait And See

Thinking about your child between the ages of...have they received at least one dose of a COVID-19 vaccine, or not? If not, do you think you will get them vaccinated...?



MMWR: Vaccination Coverage with Selected Vaccines and Exemption Rates Among Children in Kindergarten — United States, 2020–21 School Year

Vaccine Coverage fell ~1 percentage point for all vaccines in the Fall 2020– Spring 2021 school year. Now below the target 95% coverage.

- MMR: 93.9%
- DTaP: 93.6%
- Varicella: 93.6%

Medical and non-medical exemptions only account for 2.2%

Kindergartners attending school with no documentation of required vaccinations or exemptions ranged from 0.1% (Pennsylvania and Virginia) to 8.3% (Maryland).

COVID-19 by County



COVID-19 County Check

Find community levels and prevention steps by county.

Select a Location (all fields required)

State



County



Go



Additional Resources

- [COCA Call: Evaluating and Supporting Patients Presenting with Cognitive Symptoms Following COVID \(CDC\)](#)
- [Imperfect messengers? An analysis of vaccine confidence among primary care physicians \(Callaghan et al.\)](#)
- [Characteristics and treatment of hospitalized pregnant women with Coronavirus Disease 2019, COVID-19 \(Sekkarie et al.\)](#)
- [Wearing Masks in Travel and Public Transportation Settings \(CDC\)](#)



Lacey Eden, DNP, NP-C
Family Nurse Practitioner
Families First Pediatrics, South Jordan, UT

Nurses are Strong: Changing the Scene of Vaccines



Lacey Eden, DNP, NP-C

Objectives

- Explore the impact of vaccines on economic stability
- Discuss common vaccine concerns and how to address those concerns
- Identify ways nurses can improve vaccine uptake on the legislative level.

New Measles Cases Reach Weekly High for 2019

What's Behind The Increase Of Measles Cases In The U.S.

Because of anti-vaxxers, 2019 on pace for the worst U.S. Measles outbreak in 25 years

Do 'the right thing': People who can't get vaccinated during a measles outbreak rely on the healthy

446,000 More U.S. Deaths Than Normal Since Covid-19 Struck

Coronavirus: What's behind alarming new US outbreaks?

Social media erupts as anti-vaxxers respond to COVID-19 vaccine approval

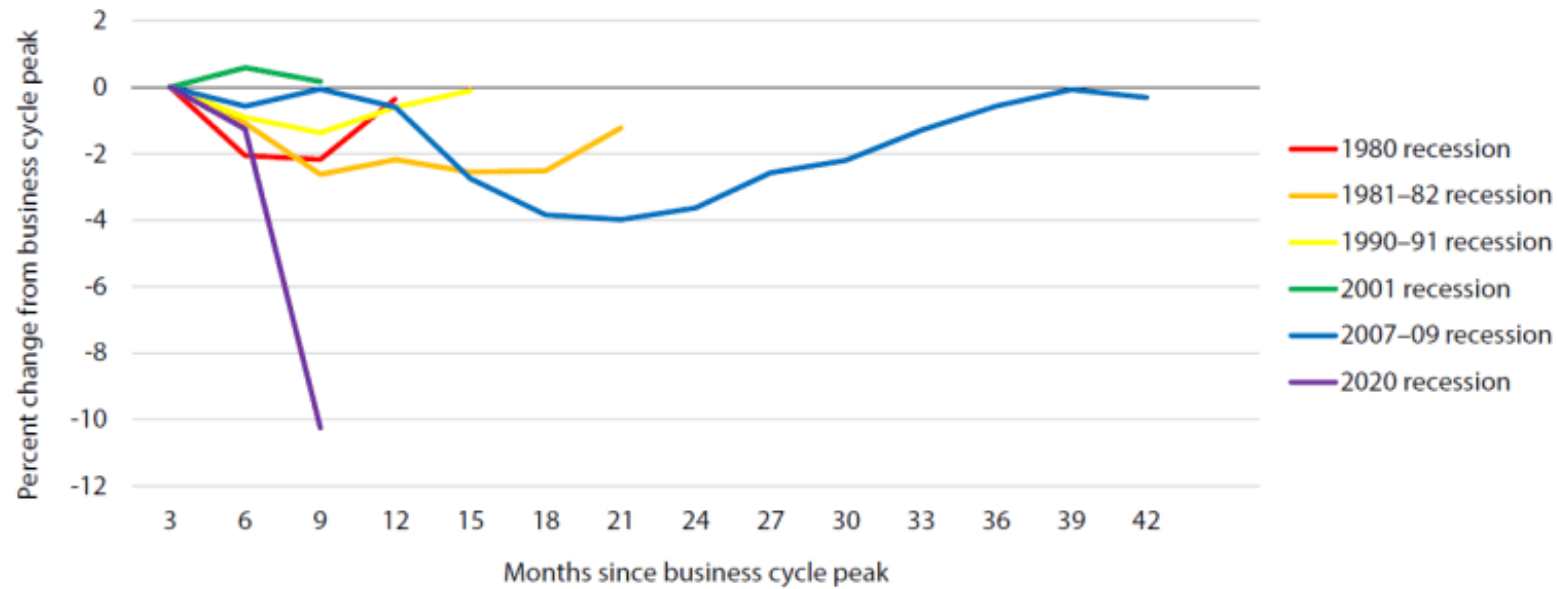
Believers need to be as prepared for a Covid-19 vaccine as anti-vaxxers are against it

Measles outbreak drains resources we may need for a future epidemic or bioterrorist attack

“Devastation could be vast and swift, followed quickly by an impact on the national economy that we cannot afford.” (Lieberman & Ridge, April, 16th, 2019)

FIGURE C.

Percent Change in GDP Relative to Business Cycle Peak, by Business Cycle



Source: U.S. Bureau of Economic Analysis (BEA) 1980–2020; NBER n.d.; authors’ calculations.

Note: The figure shows the quarterly percent change in real Gross Domestic Product (GDP) from the peak of a business cycle until GDP returns to the level of the previous business cycle peak. GDP is in billions of chained 2012 dollars.

**In 26 states, more than one
in five households was
behind on rent in July.** (US Census

Bureau, 2020)

**The rate of food
insecurity doubled for
households with children.**

(US Census Bureau, 2020)



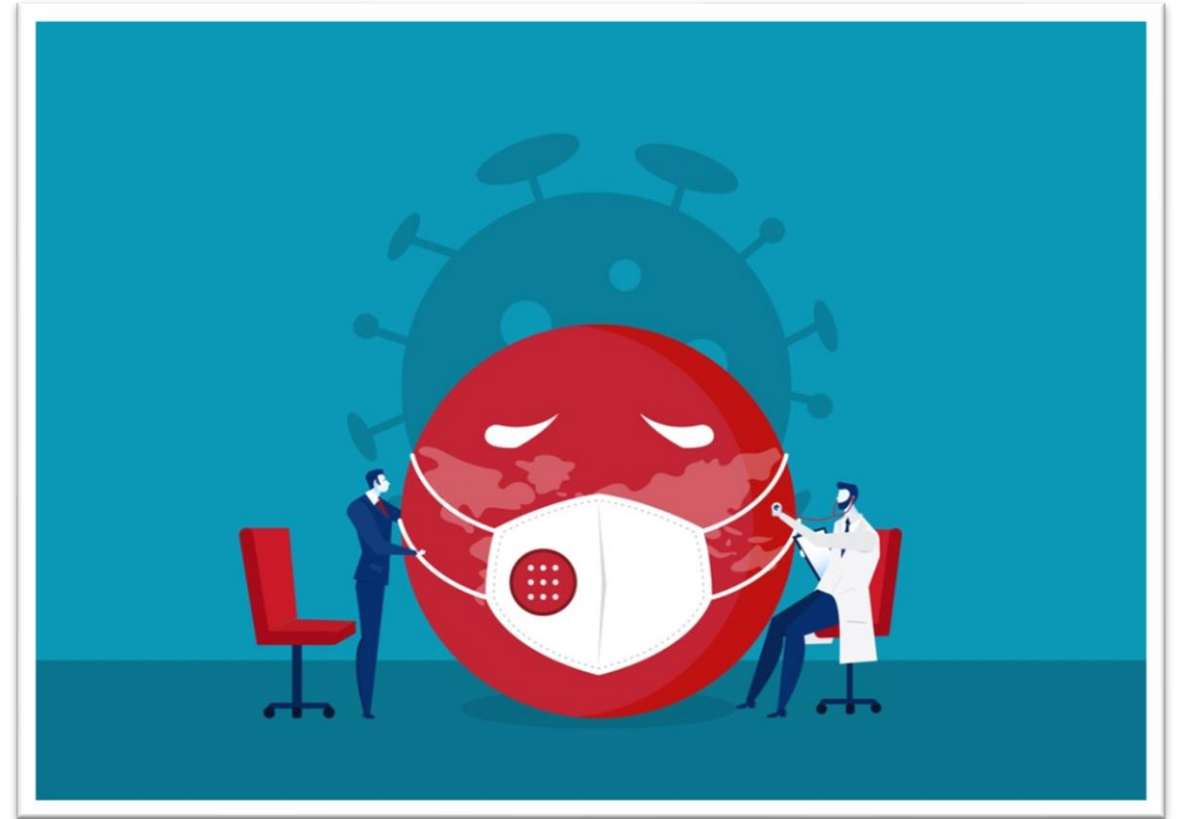
Shotatlife.org



- **Vaccines are one of the most effective interventions to better a child's health.**
- **Vaccines are one of the best returns on investment.**
- **Vaccines help ensure long-term economic prosperity.**

Balance of Public Health and Economic Performance

- Unsustainable spending to address economic shock caused by COVID-19
- Less revenue to fund services and basic operations





Reasons People Refuse or Delay Vaccinations

NATIONAL

- Vaccine safety
 - Too many shots
 - Adverse effects (fever/seizure/other)
 - Vaccine ingredients
 - Vaccines cause learning disabilities
- Low risk of getting disease

UTAH

- Vaccine safety
 - Vaccines cause chronic disease
 - Adverse effects (fever/seizure/other)
- Parental rights
- Question vaccine effectiveness
- Natural healing superior to vaccinations
- Lost vaccination record



- Government conspiracy
- Microchips
- Herd immunity isn't a real thing
- Health Care Professionals Paid by Pharmaceutical Companies

Study: "Belief in Conspiracy Theories Associated with Vaccine Skepticism"

Flu Vaccine Recalled Due To Defective Government Tracking Microchips

HERD IMMUNITY: THE FOUNDATIONAL LIE OF THE FORCED VACCINATION AGENDA, PART ONE

That \$3 Million Vaccine Bonus for Pediatricians

“Too Many Shots Overwhelm the Immune System”

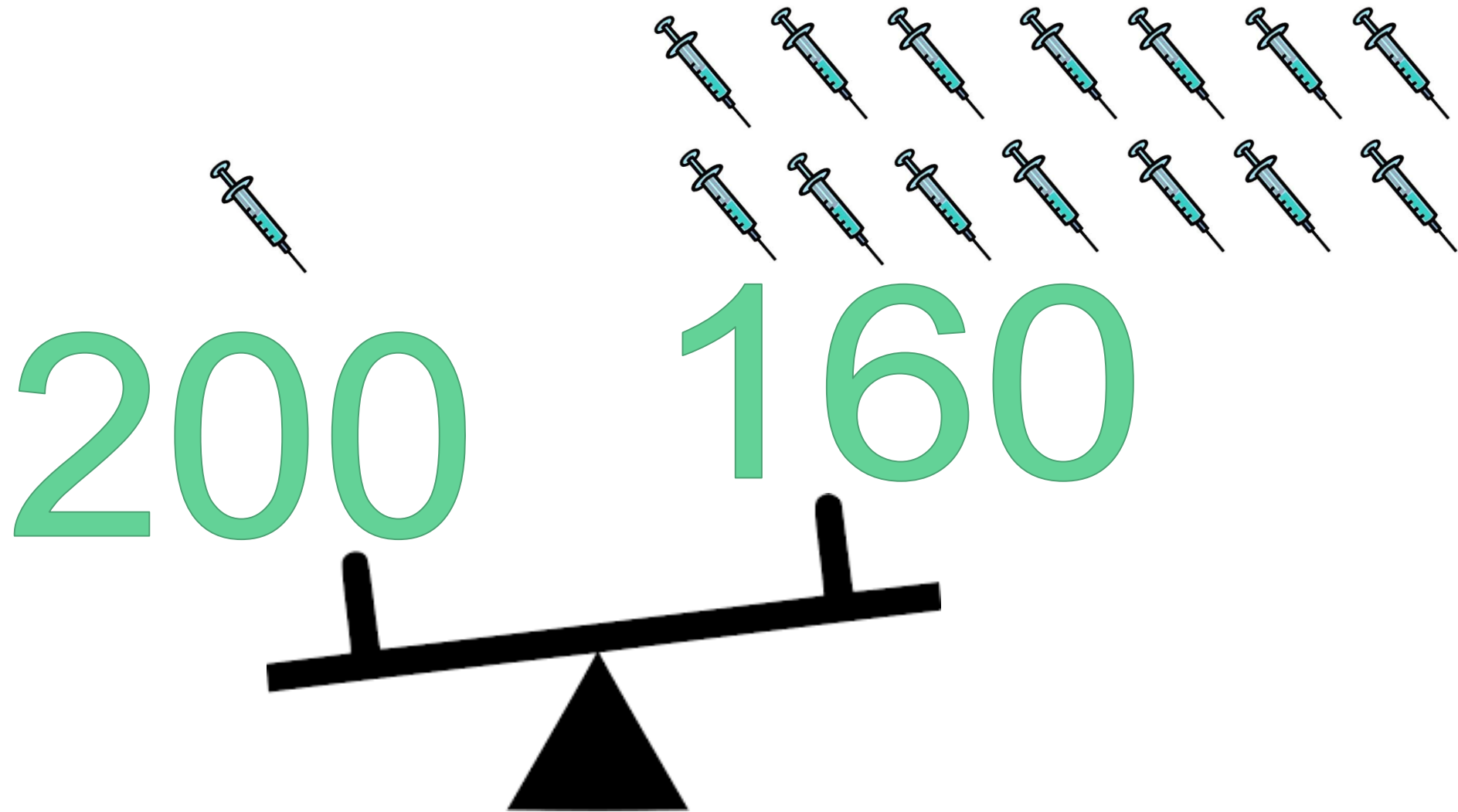
**TOO MANY
TOO SOON**



Vaccine Ingredients:
mercury, aluminum, antifreeze, formaldehyde,
aborted human fetus cells, chick embryos,
monkey kidney cells, fetal bovine serum, etc.

www.safevaccines.org







I heard that
vaccines cause
autism.



THE LANCET

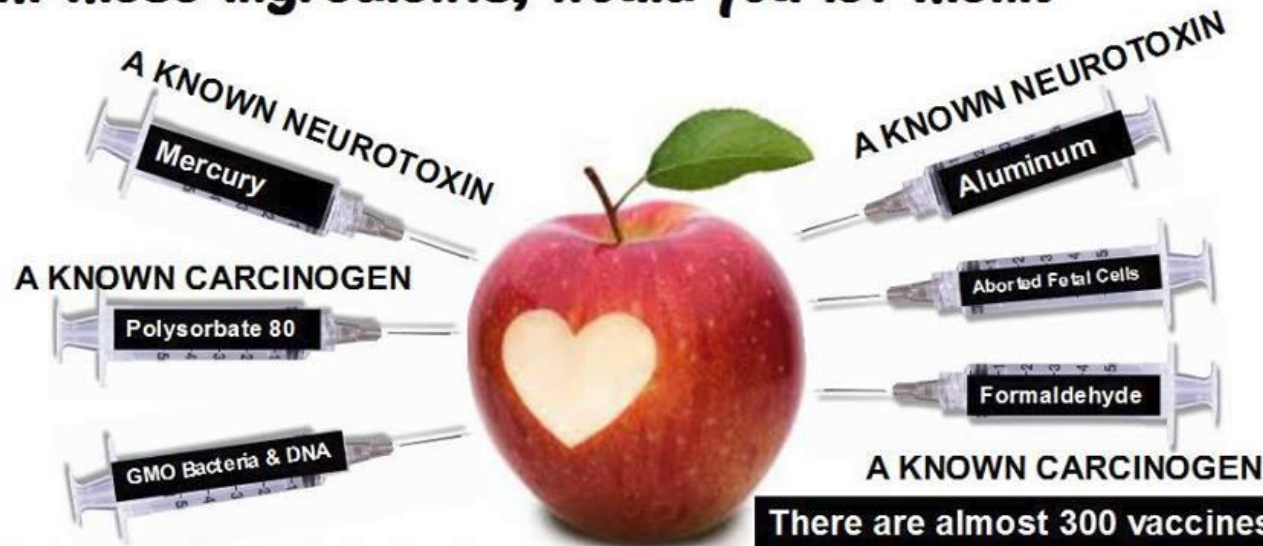
Q. Do Vaccines Cause Autism?
A. Nope.

The myth began in 1998, when an English medical journal called *The Lancet* published a paper which claimed a link between autism and the Measles, Mumps, and Rubella vaccine (MMR).

“Vaccine Ingredients are Harmful”

LET'S THINK FOR A SEC!

If someone tried to give your child an apple injected with these ingredients, would you let them?



Dr. Eric Seralini's GMO research showed up to 80% of rats studied had developed tumors and the third generation of rats produced NO offspring! Do you know anyone with fertility issues?
www.gmoseralini.org

There are over 200 untested ingredients in vaccines!

There are almost 300 vaccines waiting to hit the market!

The #1 cancer in children is Leukemia, cancer of the BLOOD! Vaccines are injected into the blood of children. The second highest incidents of cancer in children is BRAIN cancer! Toxicity of the brain can also be linked with issues such as autism, spasms, speech disorders, neurological issues in infants, mental retardation, and early puberty.

For more info look into NVIC.org & LearnTheRisk.org

Vaccine Ingredient	Concern	Fact
Aluminum	Aluminum is a neurotoxin. Spread out the vaccines so the infant can process the aluminum without reaching toxic levels.	Used to enhance immune response. Aluminum is in air, food, water, and breastmilk. Breastfed infants ingest 10 mg of aluminum by 6 months of age. All vaccines together contain 4 mg of aluminum. Aluminum in blood before and after vaccine administration is the same.
Formaldehyde	Formaldehyde causes kidney damage and “genetic” damage and is a carcinogen.	Used to inactivate viruses and bacterial toxins. A natural product used to build proteins and DNA. An 11 pound infant has 1 mg of formaldehyde in circulation, 10 times the formaldehyde in any one vaccine.
Mercury (thimerosal)	Mercury can be toxic to nervous system.	Used as a preservative. There is a difference between methylmercury and ethylmercury (thimerosal). Methylmercury is in infant formula and breastmilk and is excreted more slowly than ethylmercury. A typical breastfed child ingests 400 mcg of methylmercury during first 6 months of life. That’s more than double the amount of mercury contained in all childhood vaccines combined.

Vaccine Ingredient	Concern	Fact
Aborted Fetal Cells	Immoral to inject aborted fetal cells into another baby.	Used to make vaccines (especially live-virus) including rubella, rabies, chickenpox, and hepatitis A. Cells obtained from two elective abortions in 1960s (one from Sweden and the other in England). Fetal cells are not injected. The viral cultures are grown in fetal cells. Catholic church approves of vaccine use, even though vaccine virus is attenuated in fetal cells.
Polysorbate 80	Substance is a carcinogen and is linked to infertility.	Used as a stabilizer in HPV vaccine. Commonly used in making ice cream to make it smooth and to slow melting. Half a cup of ice cream has 170,000 mcg of polysorbate 80. HPV vaccine has 50 mcg of polysorbate 80.









The Good News? There is Hope...



What's up with the COVID-19 Vaccine?

- Inactivated viruses: flu and polio
- A protein made by the organism is injected: Hep B
- mRNA vaccine instructs the body to make the viral protein itself

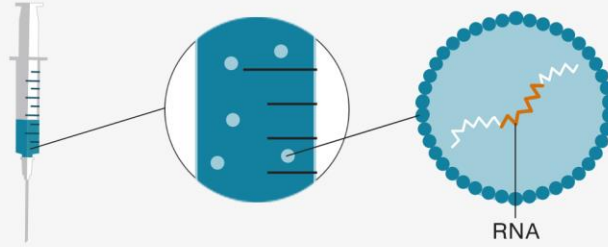
How vaccines compare

Name	Pfizer & BioNTech Covid-19 vaccine	Moderna
 Type	RNA – virus genetic code	RNA – virus genetic code
 Doses	Two injections 21 days apart	Two injections 4 weeks apart
 How Effective	90%	95%
 Storage	-75C	-20C up to 6 months
Name	Flu vaccine	MMR vaccine
 Type	Inactivated virus	Live attenuated vaccine
 Doses	Annual injection	Two injections at least 28 days apart
 How Effective	40%-60%	97% against measles and rubella, 88% against mumps
 Storage	2C to 8C	2C to 8C

Source: CDC, Pfizer, BioNTech, Moderna

How an RNA vaccine would work

Scientists take part of the virus' genetic code or RNA, that tells cells what to build, and coat them in a lipid so they can enter the body's cells

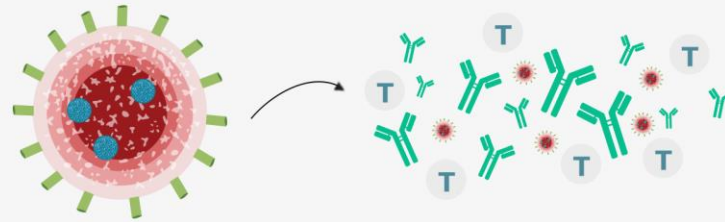


This is injected into the patient

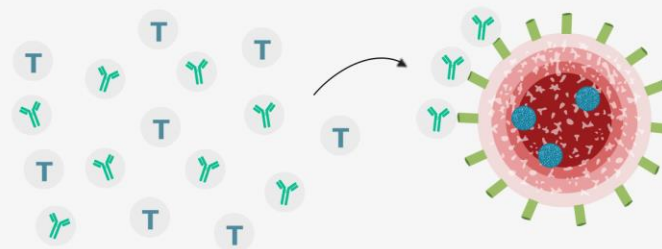


The vaccine enters the cells and tells them to produce the coronavirus spike protein.

This prompts the immune system to produce antibodies and activate T-cells to destroy infected cells



If the patient encounters coronavirus, the antibodies and T-cells are triggered to fight the virus



Dreams of mRNA vaccines have been around for decades!

- Katalin Kariko started research on mRNA to fight disease in the 1990s.
- 2011 human trials for mRNA cancer vaccines, now licensed for use
- Platform already in place when pandemic hit
- “mRNA platforms will be an important means of preparing for future epidemics”
 - Michel Goldman, professor of immunology , University Libre de Bruxelles

Companies and Governments Working Together

- Large numbers of vaccine were produced before trials were completed to speed up vaccine roll out
- Huge financial risk if trials were not successful
- Regulatory agencies reviewed data throughout trial rather than waiting for trial completion.

Where YOU Come In



“Registered Nurses and Advanced Practice Nurses can and should play an important...role...in immunisation [and] can advance the goal of immunisation for all across the life cycle.”

International Council of Nurses

“Nurses play a vital role in recommending vaccines to their patients, as well as their own family and friends.”

American Nurses Association



Find Your Legislature

- Go to le.utah.gov
- Click on "Find My Legislators"
- Enter address
- Write down your state House Representative and Senator



Correspondence with Legislature

- Introduce yourself (constituent, profession, etc)
- Thank them for their service (**comment on a bill they worked on)
- Ask to join them for floor time





Nurses are strong!

- Year after year nurses are ranked the “most trustworthy profession” on the Gallup poll (Reinhart, 2020)
- Trust creates political power for the nursing profession
- We are stronger when we work together to advocate for the profession and patients

Q&A



Nurse-Led Forum for Vaccine Confidence

Nurse-Led Advocacy Learning Collaborative

Four Part Series

Every other Thursday starting April 14th

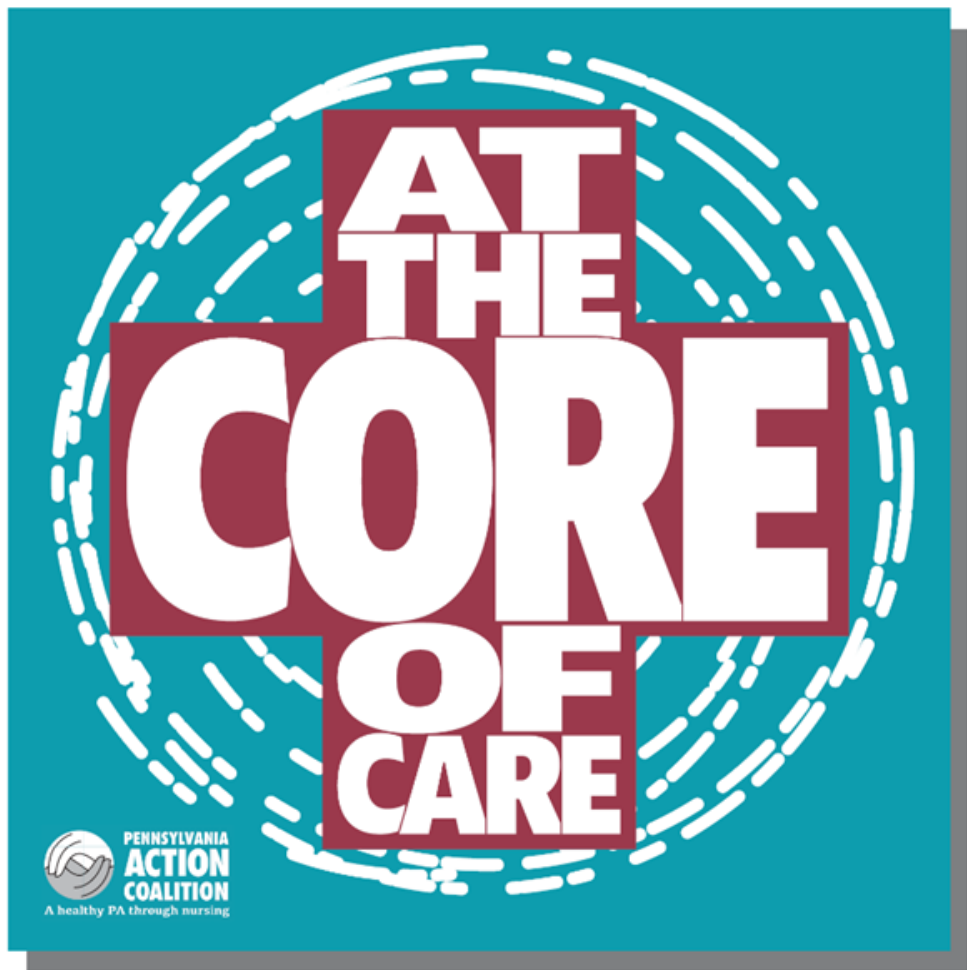
1.5 CEUs per session



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Nurses make change happen.

Be a part of history.

This toolkit was created to give nurses the tools to do their part in the national vaccine effort. It is designed to help you decrease vaccine hesitancy and increase vaccination rates in your community.

<https://vaccinetoolkkit.phmc.org/>

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THANK YOU

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