

Respiratory Season Vaccines

Trends and information on COVID-19, Influenza and RSV
relating to [Organizations Name]

Insert Date

Introductions

Immunization team and roles:

- List name and role here.
- List name and role here.
- List name and role here.

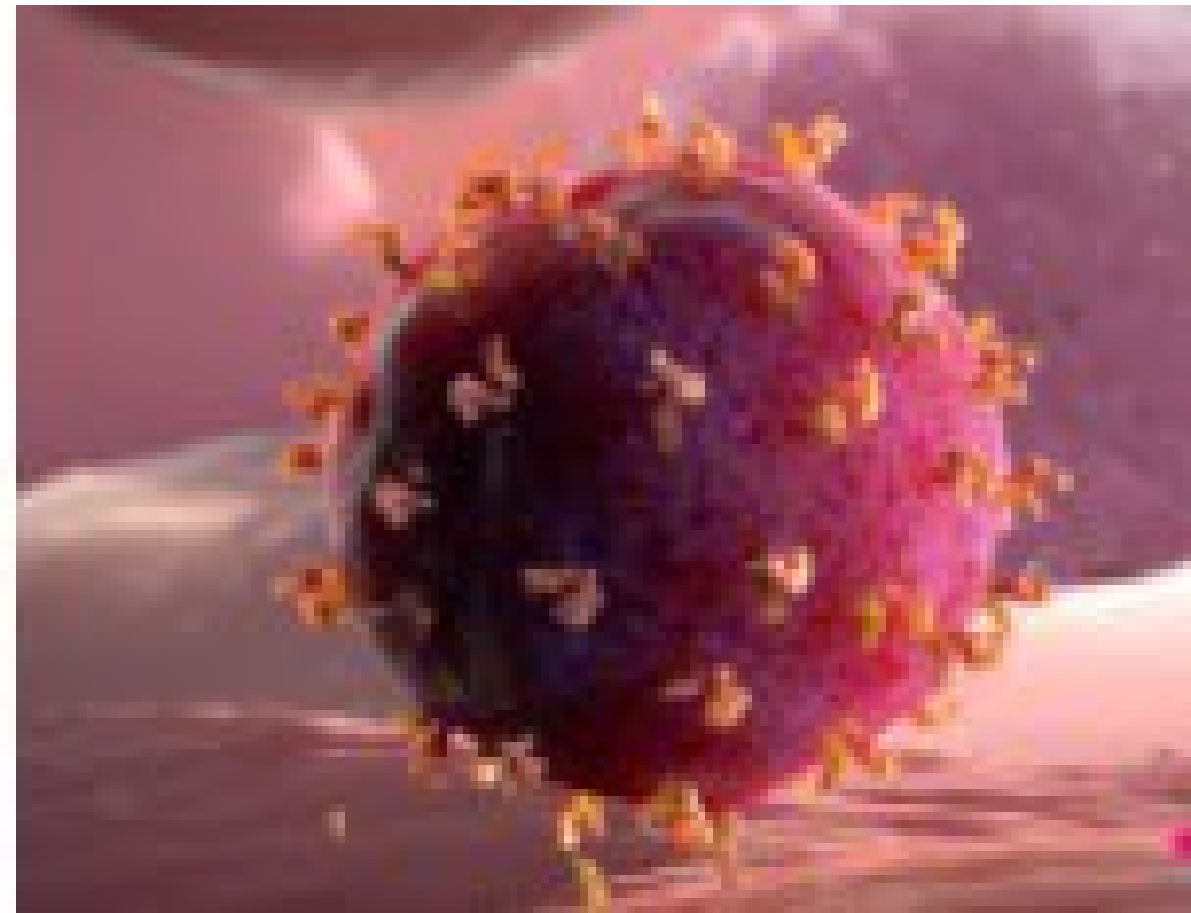
Overview of Today's Training:

- Viruses: How They Infect and How We Fight Back
- Infectious diseases and tools
- Vaccine clinic 411
- Key messages
- How to handle hesitancy
- Resources
- FAQs, question and answers

Viruses: How They Infect and How We Fight Back

How Viruses Infect

A Virus Attacks a Cell



How the Body Fights Back

The Adaptive Immune System



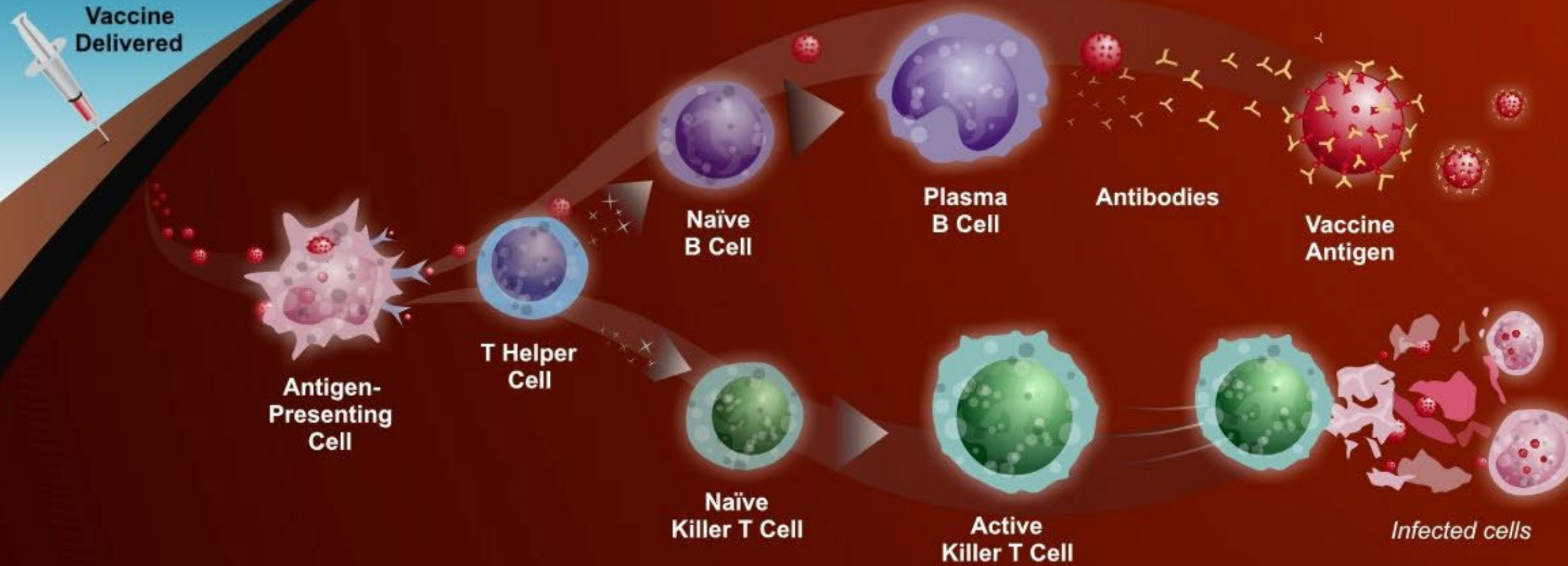
Review

HOW VACCINES WORK

OVERVIEW **RESPONSE TO VACCINE** RESPONSE TO PATHOGEN VACCINE RESPONSE ACTIVITY

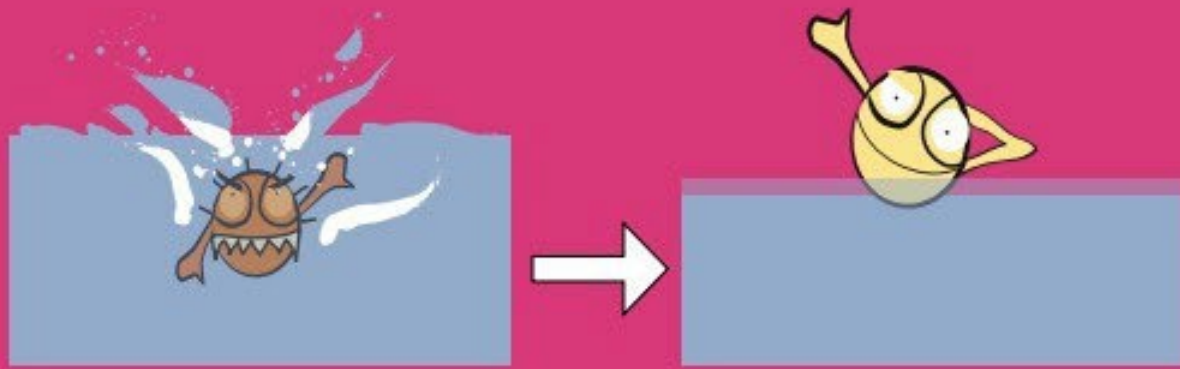
Killer T Cell Response: If the vaccine contains attenuated viruses, the vaccine viruses enter cells. Killer T cells find and destroy the invaded cells. Naïve killer T cells require an APC to display an antigen piece before they are activated.

Vaccine
Delivered





WEAKEN THE VIRUS



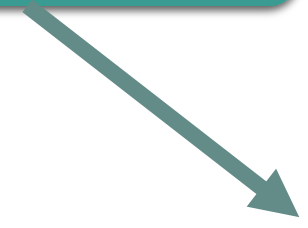
Viruses are weakened so they reproduce poorly inside the body.

INACTIVATE THE VIRUS



Viruses are completely inactivated (killed) with a chemical.

Flu



formaldehyde

TYPES OF VACCINES

USE PART OF THE PATHOGEN

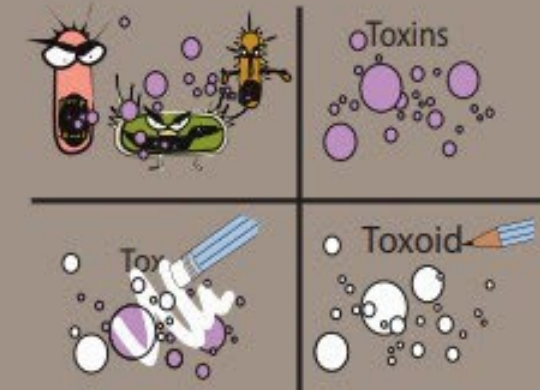
USE PART OF THE PATHOGEN



Part of the virus or bacteria is used as the vaccine.

RSV (adult)

INACTIVATE THE TOXIN



A harmful protein made by the bacteria (toxin) is inactivated (killed) with a chemical. The inactivated toxin is called a toxoid.

USE PART OF THE GENETIC CODE

VECTOR VIRUS



The gene from the pathogen is put into a virus that can't reproduce itself but can still enter cells and deliver the gene.

mRNA



mRNA that is the blueprint for a protein from the pathogen is used as the vaccine.

DNA



DNA, the genetic code from which mRNA is made, is used as the vaccine.

COVID-19

...TYPES-OF-VACCINES FOR MORE INFORMATION.

Infectious Diseases and Tools



Vaccines Matter... Just Ask Scarlet's Mom



Scarlet's Story

"The flu vaccination is not 100%. But you know what? I'd take 7%. I'd take 50%. I'd take 3%. I'd take 90%.

The hardest part is knowing there are preventative measures that I could've taken to possibly have saved her life."

Rebecca, Scarlet's Mom

Watch Scarlet's story at ShotbyShot.org

CA Immunization Coalition



Infectious Diseases this Winter

Three major infection diseases that can lead to serious illness:

- COVID-19
- Influenza (flu)
- RSV

Fortunately, three new/updated vaccines (shots) this winter:

- COVID-19
- Influenza (flu)
- RSV

DID YOU KNOW?

***This is the first time we've had tools for
all three major winter illnesses***

COVID-19

What?

- Updated COVID-19 vaccines for fall 2023/winter 2024 are approved and available.
- Still a risk for everyone but especially for vulnerable people.

Who?

- Everyone age 6 months and older. Immunocompromised may get more.

Why?

- It is very important to stay updated with vaccines.
- Protection weakens over time and viruses change.
- Vaccines are updated and these are the best and most effective tools we have.

Facing COVID: Shemar & Brittani's Stories

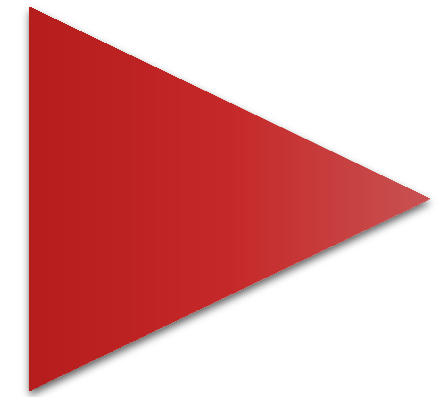


“

...every day
something else
was happening.”



Watch at
shotbyshot.org



Texas Children's Hospital
CA Immunization Coalition



COVID-19

- Vax2Normal.org website = best resource.

English

Franklin County Public Health

HOME MASKING TESTING VACCINE RESOURCES CDC INFO UPDATES

COVID-19

Recent Update:

October 26, 2023

The best way to protect yourself and others this season is to get your updated fall vaccines. It is recommended that everyone over the age of six months receive one fall 2023 updated COVID-19 vaccine.

Franklin County Public Health is now scheduling appointments for the updated COVID-19 Vaccine.

SCHEDULE YOUR COVID-19 VACCINE APPOINTMENT

You can get your flu vaccine at the same time. No ID is needed and no one is turned away for the inability to pay.

To learn more about our clinics, visit our [immunization](#) page. To learn more about the many places offering

Shortcuts:

- Vaccine Information
- Franklin County Resident Home Test Self Report
- Homebound COVID-19 Vaccine Request

Flu

- Recommended for everyone age 6 months and up.
- It is important to get a flu vaccine to protect you from serious illness.

DID YOU KNOW?

You can get your flu shot at the same time as your COVID-19 shot

LET'S GET
VACCINATED



RSV

- A common respiratory virus that causes cold-like symptoms.
- Infants and older adults can develop severe RSV and may need hospitalized.
- Children under five make up 1.5 million outpatient visits and 520,000 emergency department visits.

DID YOU KNOW?

***RSV is not just for babies and children.
Adults can get it, too.***

RSV

“

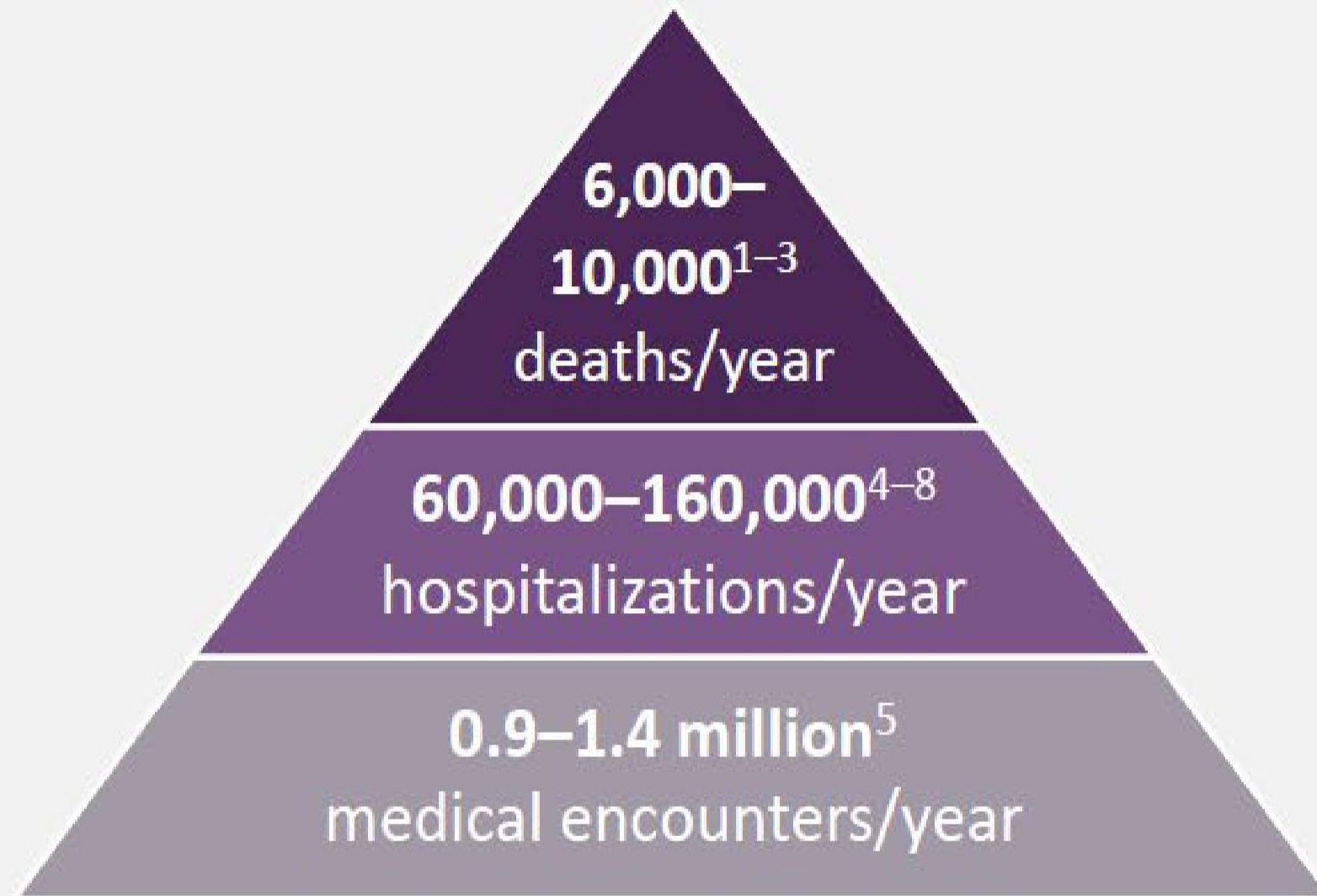
*My way of
grieving is to
advocate and
spread
awareness
'cause I didn't
know what RSV
really was.”*



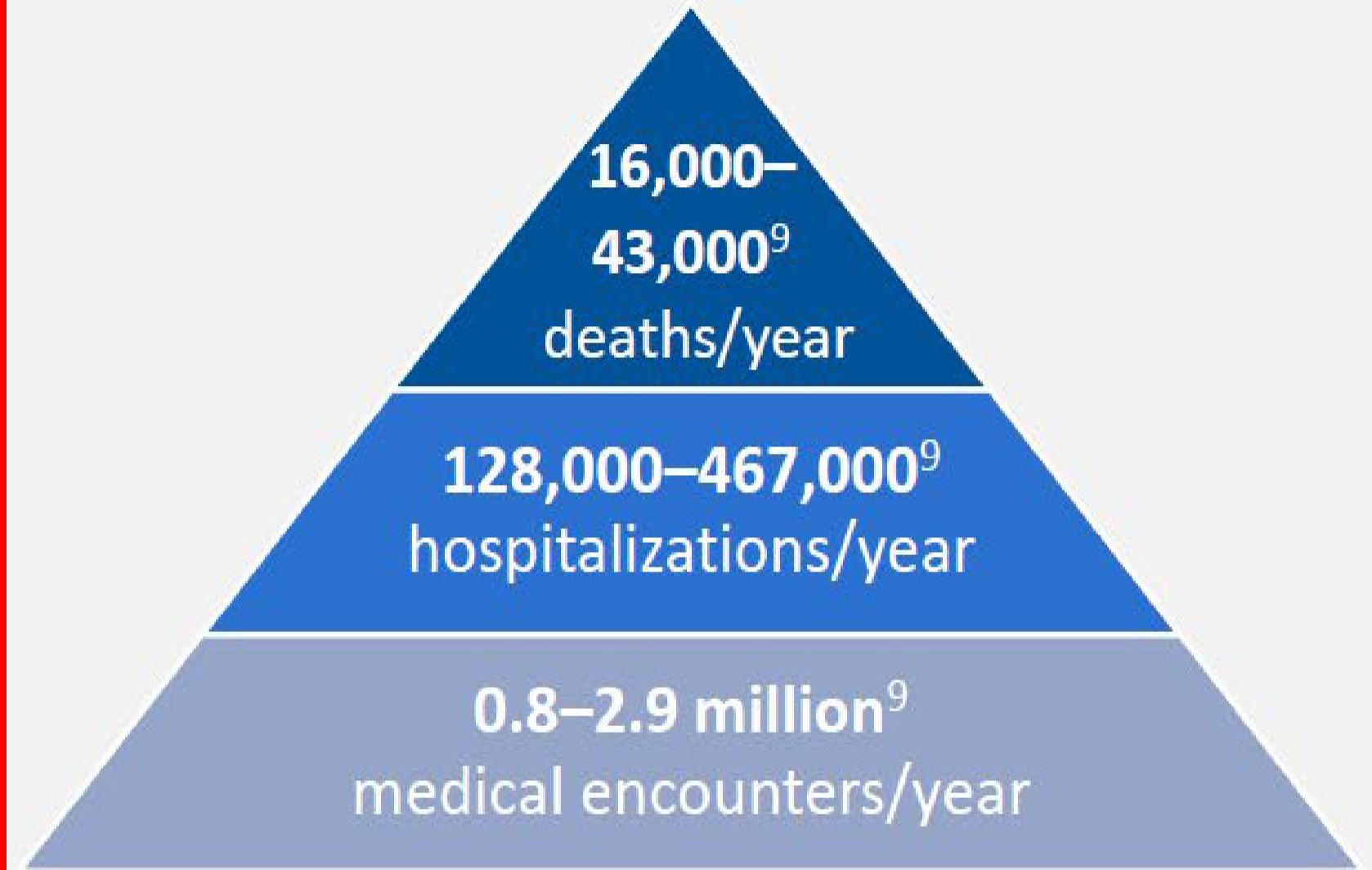
[Emily's Story](#)

RSV Causes Substantial Disease in Older Adults

(From CDC, October 2023)



RSV
Adults aged ≥65 years



Flu
Adults aged ≥65 years

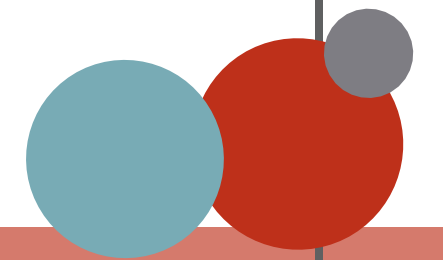
1. Thompson et al, JAMA (2003): <https://doi.org/10.1001/jama.289.2.179>
2. Matias et al, Influenza Other Respi Viruses (2014): <https://doi.org/10.1111/inv.12258>
3. Hansen et al, JAMA Network Open (2022): <https://doi.org/10.1001/jamanetworkopen.2022.0527>
4. Widmer et al, JAMA Network Open (2012): <https://doi.org/10.1093/infdis/jis309>
5. McLaughlin et al, Open Forum Infect Dis (2022): <https://doi.org/10.1093/ofid/ofac300>

6. Zheng et al, Pneumonia (2022): <https://doi.org/10.1186/s41479-022-00098-x>
7. Branche et al, Clinical Infect Dis (2022): <https://doi.org/10.1093/cid/ciab595>
8. CDC RSV-NET data 2016–2020 (unpublished)
9. CDC Influenza Burden 2015–2020: <https://www.cdc.gov/flu/about/burden/past-seasons.html>

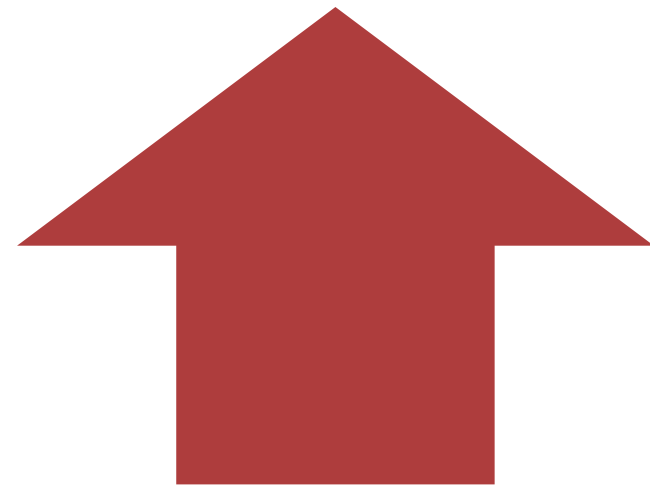
Even Doctors Can Get RSV:



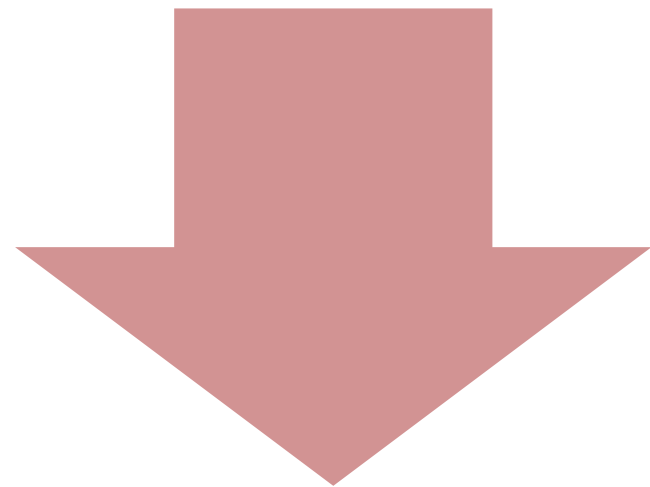
***I got better.
But a lot of
people die
from it."***



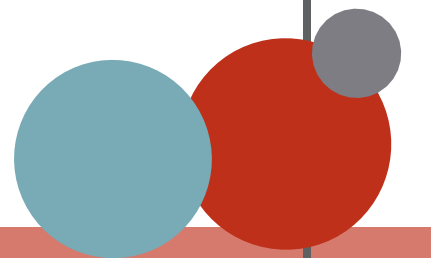
RSV Vaccine Comparison



Infants: Passive
immunity

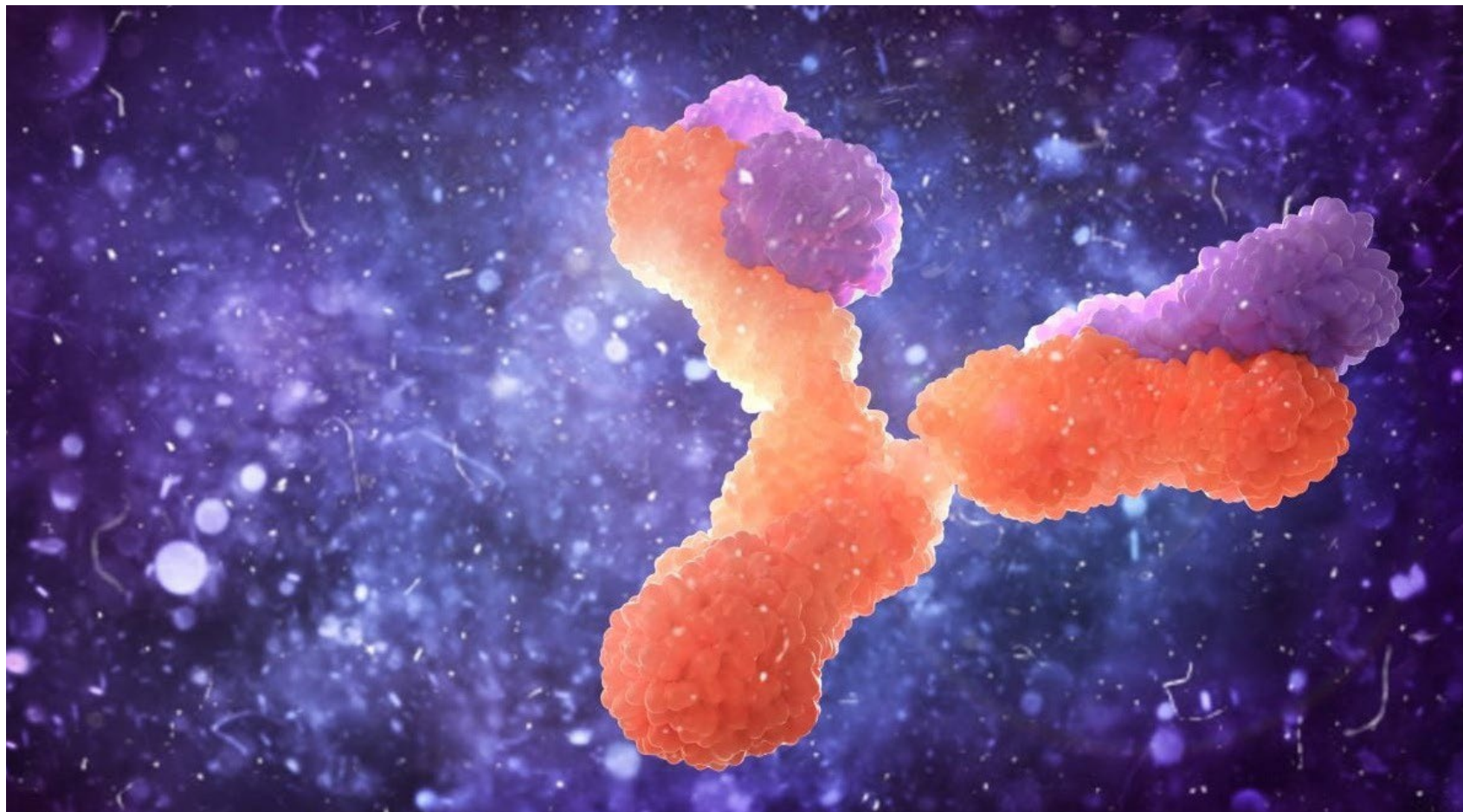


Adults: Active
immunity



Comparing RSV Vaccines

Infants



Loses protection after ~ 5 months

Adults



RSV

New tools this year:

- **Age 60 and up:** talk to doctor about the new RSV vaccine.
- **Pregnant:** can get RSV vaccine (if 32-36 weeks pregnant during September-January).
- **Babies:** RSV antibodies for newborns and some babies in second season; encourage parents/caretakers to talk to child's doctor.

Vaccine Clinic 411



How do I get my vaccine(s)?

- List places below where people can get vaccinated within your community (e.g., health department clinics, pharmacies, etc.).

Key Messages

Main Key Message

Simple and actionable:

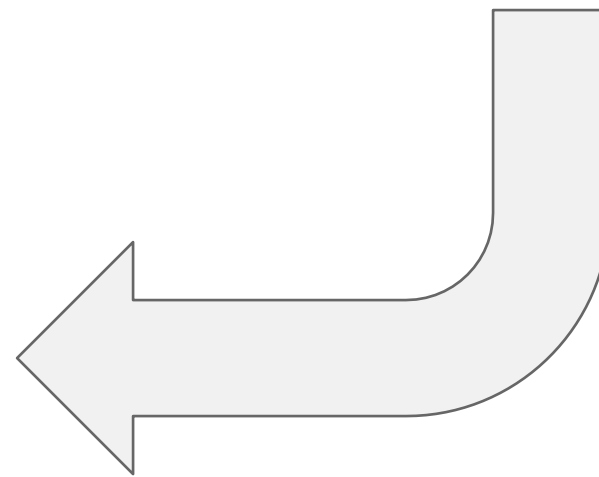
***The best way to prevent severe
sickness is to get your fall
vaccines.***

Key Message... Plus A Few

The best way to prevent severe sickness is to get your fall vaccines.

...and don't forget:

- Wash hands
- Test often
- Wear a well-fitted mask
- Improving ventilation if possible
- Get medication quickly if positive for COVID-19 or flu



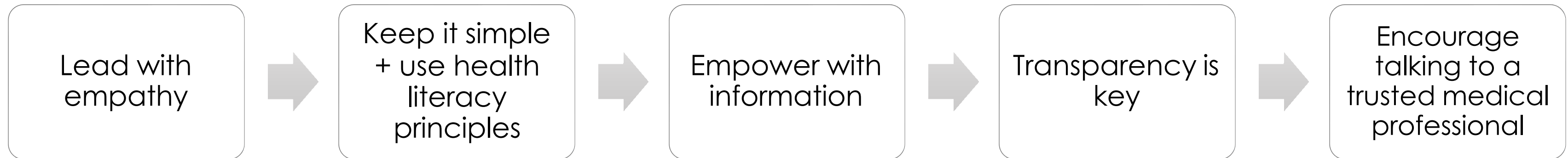
Key Message... Plus A Few



- Get medication quickly if positive for COVID-19 or flu
 - Don't delay
 - Recommended for anyone:
 - Who is high risk
 - Over the age of 65
 - Talk to provider (including pharmacies, minute clinics)

How to Handle Hesitancy

Hesitancy? That's okay.



Don't forget:
You are a trusted messenger!

The CASE Approach

Corroborate: Acknowledge any concerns, find points of agreement, and set the tone for a respectful, successful talk.

About Me: Establish yourself as a vaccine expert.

Science: Explain what the science says.

Explain/Advise: Give your advice.

(American Academy of Pediatrics [AAP], 2021)

Ohio Chapter

INCORPORATED IN OHIO

American Academy
of Pediatrics



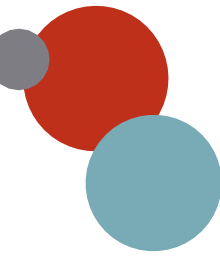
DEDICATED TO THE HEALTH OF ALL CHILDREN®

Facts



- . The CDC shared last month that they expect flu, COVID-19 and RSV to increase as weather gets colder.
- . Viruses can be very serious, especially to high-risk people.
- . We have stronger immunity against COVID-19 than ever before through vaccination, prior infection or both. However, immunity weakens over time and viruses change, Vaccines are the best tools we have.
- . NOW is the time to get your recommended fall vaccines.

Resources



Resources

Insert publicly available resources here.

FAQs and Q&A

FAQs:

- Are people even still getting COVID-19?
- Where can I get the shot for free?
- Are home tests accurate? Where can I report a positive test?
- Why get an updated shot for fall 2023/winter 2024?
- Will I get sick from a vaccine?
- Has there been enough testing on the vaccine?
- What is the recommendation on?



More FAQs: vax2normal.org/vaccine/vaccine-faqs/

What questions
do you have?

Presented by [Insert name and title]

Thank you!

