

COVID-19 VACCINE TIPS
Vaccinating Adolescents Against
COVID-19 & More
May 20, 2021

COVID-19
DEATHS
17,509

COVID-19
CASES
875,195

COVID-19
VACCINES
5,628,857



NEW This Week...

- You can now order Moderna, J&J and Pfizer from ASIIS.
 - You'll need to select *adult* or *pediatric* presentation in ASIIS because of the ancillary kit supplies:

Adult Kit

- 85 needles (22-25G x 1")
- 20 needles (22-25G x 1.5")
- 105 syringes (1 mL or 3 mL)
- 210 alcohol pads
- 100 vaccination record cards
- 1 needle gauge and length chart
- 2 face shields
- 4 surgical masks

Pediatric Kit

- 105 needles (25G x 1")
- 105 syringes (1 mL or 3 mL)
- 210 alcohol pads
- 100 vaccination record cards
- 1 needle gauge and length chart
- 2 face shields
- 4 surgical masks

Mixed Kit (Pediatric/Adult)

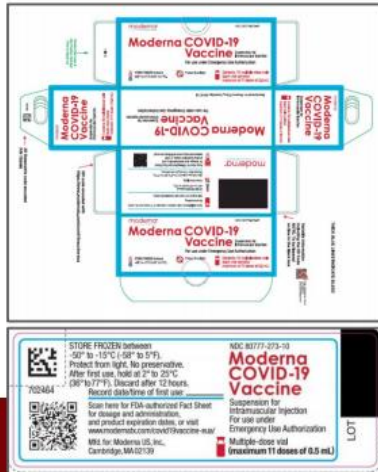
- 95 needles (25G x 1")
- 10 needles (22-25G x 1.5")
- 105 syringes (1 mL or 3 mL)
- 210 alcohol pads
- 100 vaccination record cards
- 1 needle gauge and length chart
- 2 face shields
- 4 surgical masks

NEW This Week...

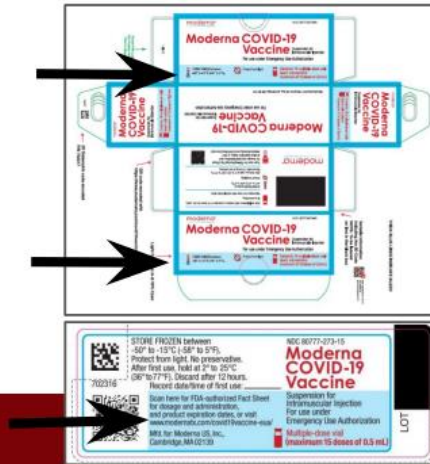
- No missed opportunities! Vials may be opened without every dose being used. Do your best to avoid wastage where you can.
- Moderna shipping both 10 dose & 14 dose vials. Labels are very similar.

Vial and Carton for 11-dose vials and 15-dose vials

Maximum 11-dose Vial



Maximum 15-dose Vial



NEW This Week...

- Pfizer can be given down to age 12 and with other adolescent vaccines.
- You can share Pfizer orders between offices.
 - Transfers must be approved by ADHS in ASIIS prior to moving

Cold storage and minimum order quantity for each COVID-19 vaccine

Minimum Order Size

- Pfizer 1170 doses
- Pfizer 450 doses (not until late May/early June with very limited availability)
- Moderna 100 doses (being phased out May 2021)
- Moderna 140 doses (being phased in May 2021)
- J&J Janssen 100 doses

Moderna Storage

Freezer

- Store for up to 6 months

Refrigerator

- Store for up to 30 days if vial is not entered
- DO NOT REFREEZE

Janssen Storage

Refrigerator

- Store in refrigerator for up to 3 months
- DO NOT FREEZE

Pfizer Storage

Ultra-Cold Temperature Freezer

- Store for up to 6 months
- Thermal Shipping Container with Dry Ice Pellets
- [ADHS Dry Ice Handling/Recharge Flyer](#)

Freezer

- Store for up to 2 weeks
- May be returned one time to ultra-cold temperature freezer

Refrigerator

- Store for up to 5 days

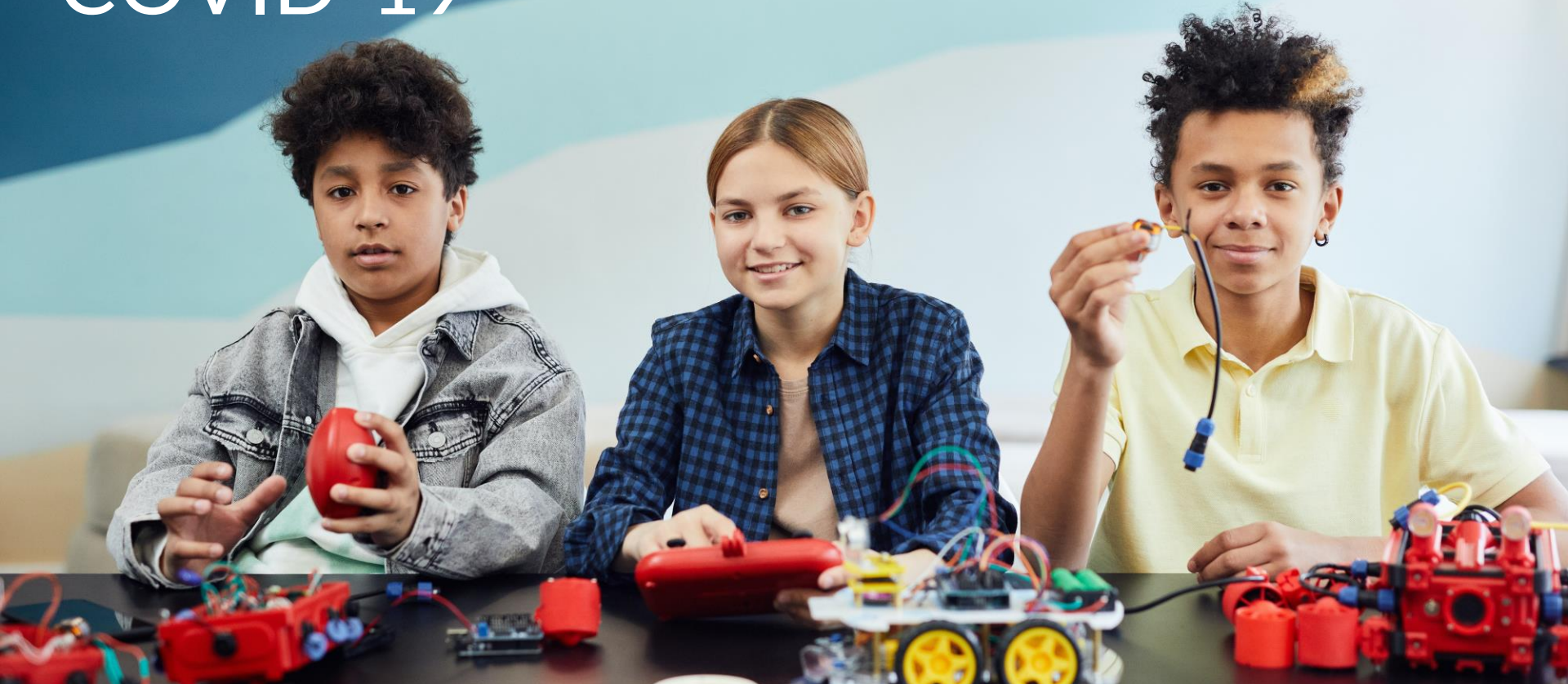
Reminders

- Keep your office contact information up-to-date in ASIIS/COVID-19 onboarding system.
- You can transfer unused doses to another clinic.
- Vials not completely used or expired – fill out a wasted doses report.
- Daily vaccine management tasks:
 - Temp monitoring 2x day. Data logger download 2x month
 - Count the doses in fridge/freezer. Compare to ASIIS inventory
 - Report doses given to ASIIS and total doses to vaccines.gov

A high-contrast, black and white silhouette image. A hand from the upper left is dropping a rectangular ballot into a dark ballot box. The word "POLL" is printed in white capital letters on the ballot. The background is a bright, overexposed white, creating a stark contrast with the dark figures.

POLL

Immunizing Adolescents Against COVID-19



Adolescents and Pfizer COVID-19 Vaccine

May 20, 2021

Presenting To

TAPI COVID Tips | Phoenix AZ

Karen Lewis, M.D. | AIPO Medical Director



ARIZONA DEPARTMENT
OF HEALTH SERVICES

Health and Wellness for all Arizonans

Adolescents Need COVID-19 Vaccine

12–17 years old are at risk of severe illness from COVID-19

- Over 1.5 million reported cases
- Over 13,000 hospitalizations
- Hospitalization rate higher than 2009-10 H1N1 pandemic
- Clinical presentation of MIS-C more severe in adolescents than in younger children



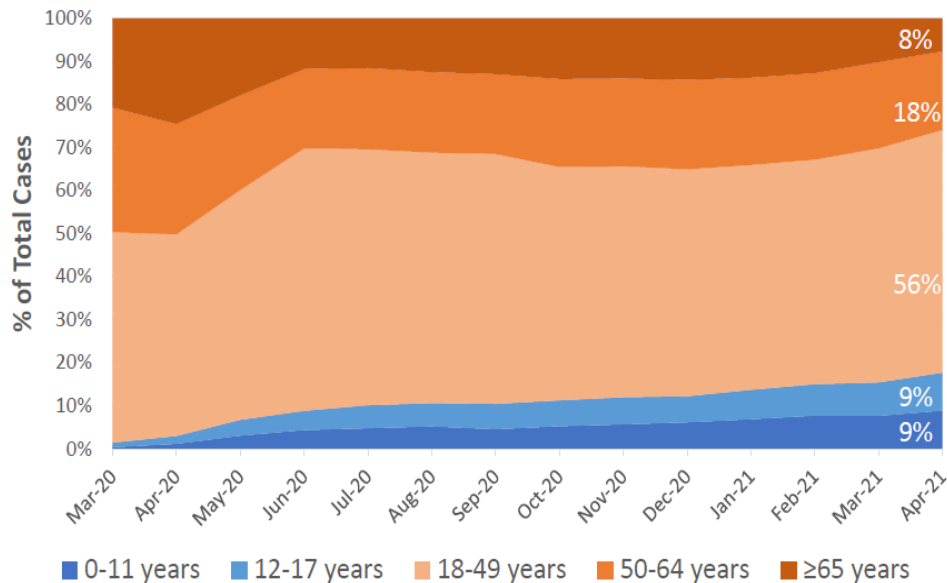
Adolescents Need COVID-19 Vaccine

Adolescent COVID-19 can indirectly impact others' health

- Adolescents contribute to transmission in households and communities, including older vulnerable populations
- Adolescents represent an increasing proportion of recent COVID-19 cases



Proportion of Total COVID-19 Cases by Age Group — United States, March 1, 2020–April 30, 2021



As more adults vaccinated, adolescents aged 12-17 years of age make up a greater proportion of total cases: **9%** of cases reported in April 2021

<https://covid.cdc.gov/covid-data-tracker/#demographicsovertime>

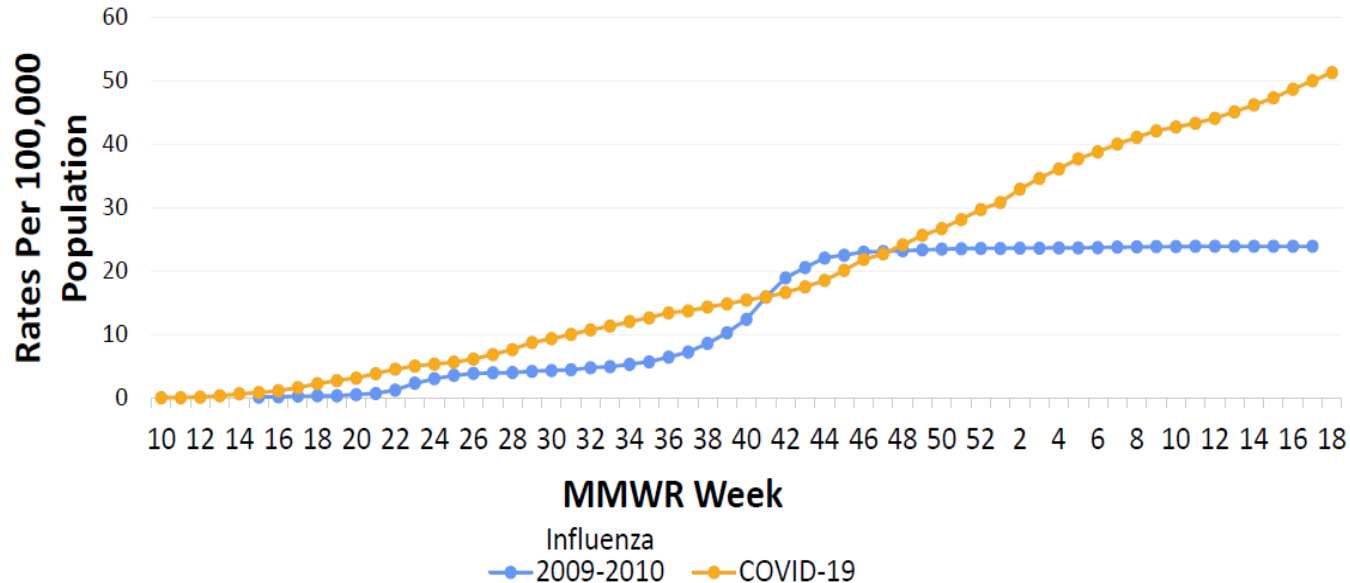


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ACIP, May 12, 2021

Cumulative 2009 H1N1 Influenza- and COVID-19-Associated Hospitalization among Adolescents 12-17 years by MMWR week —FluSurv-NET and COVID-NET



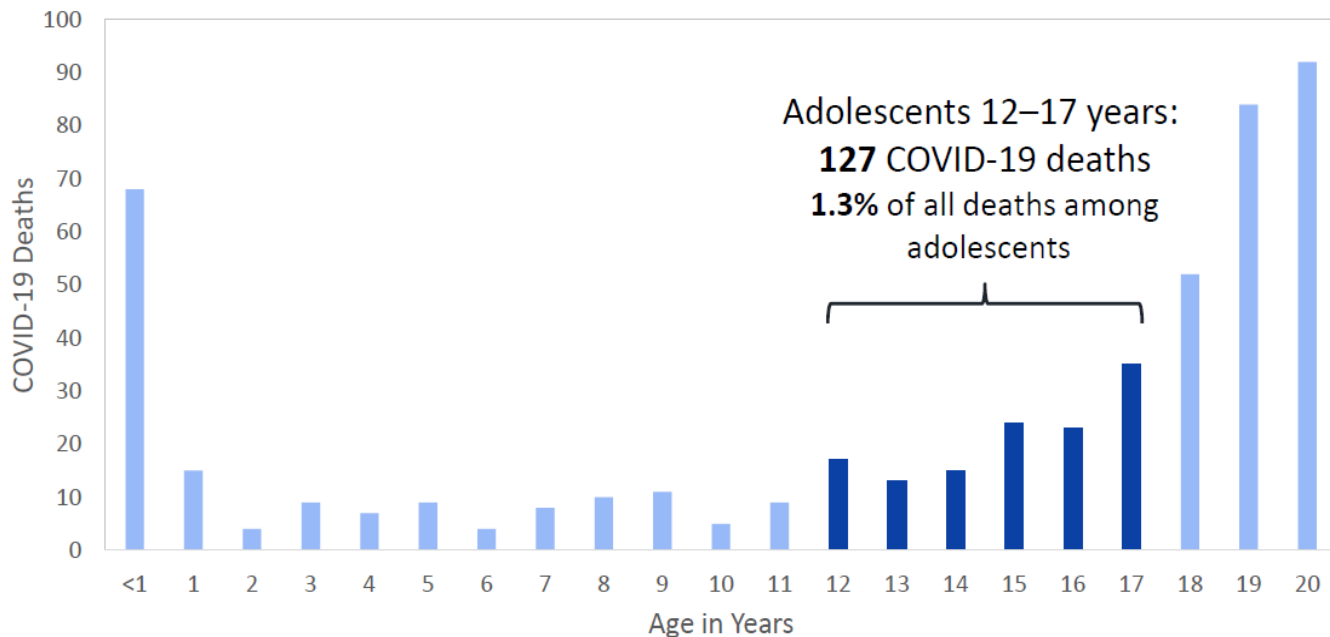
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ACIP, May 12, 2021

COVID-19 Deaths by Age Group, NCHS

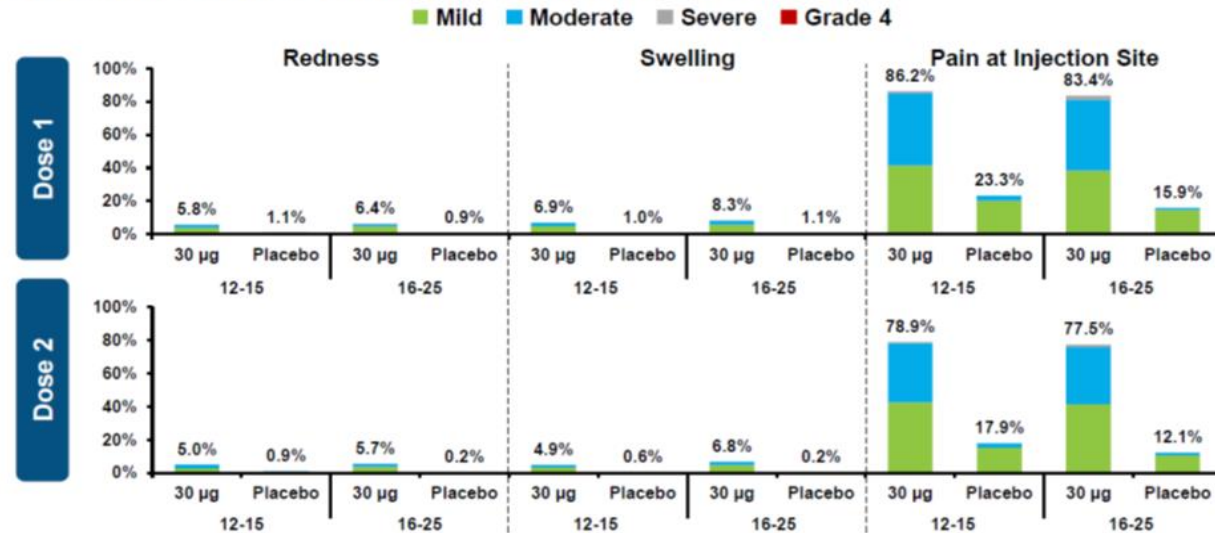
—January 1, 2020–April 30, 2021



Local Reactions After Pfizer Vaccine

Comparing Two Age Groups

Subjects Reporting Local Reactions, by Maximum Severity, Within 7 Days After Each Dose in 12-15 and 16-25 Year Olds



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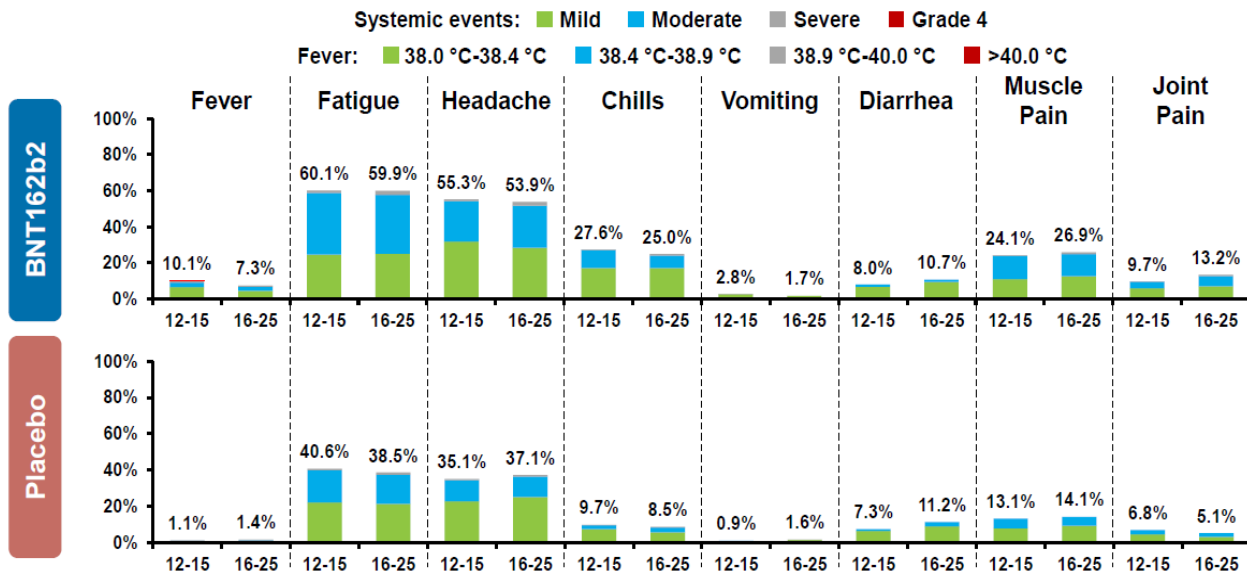
Health and Wellness for all Arizonans

Pfizer data, ACIP, May 12, 2021

Systemic Reactions After 1st Pfizer Vaccine

Comparing Two Age Groups

Subjects Reporting Systemic Events, by Maximum Severity, Within 7 Days After **Dose 1** in 12-15 and 16-25 Year Olds



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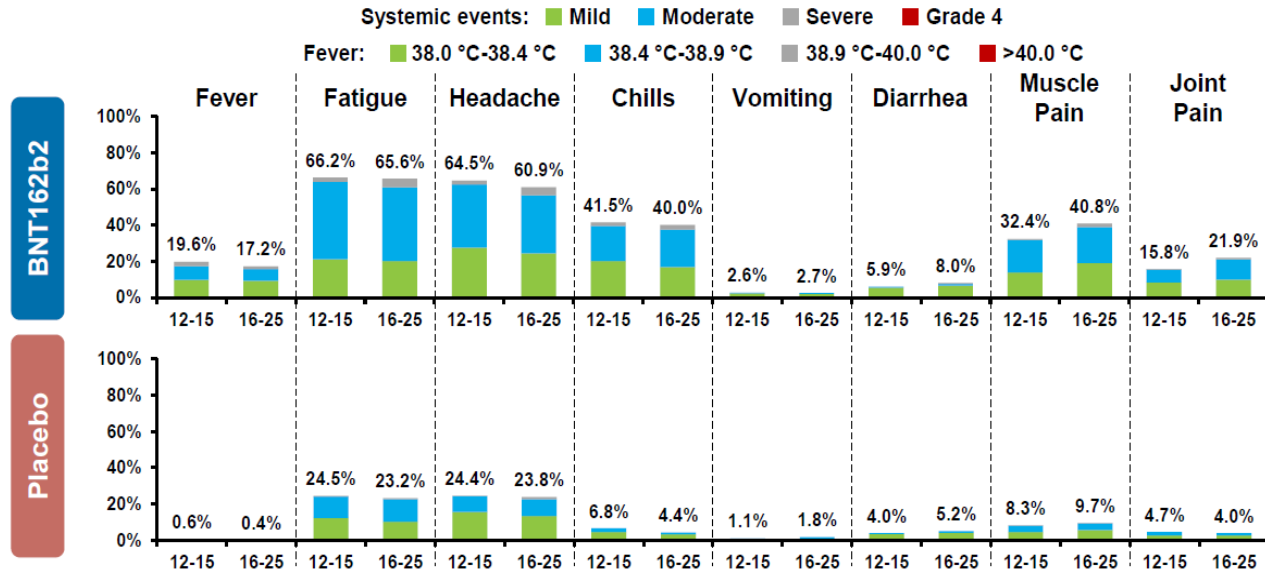
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Pfizer data, ACIP, May 12, 2021

Systemic Reactions After 2nd Pfizer Vaccine

Comparing Two Age Groups

Subjects Reporting Systemic Events, by Maximum Severity, Within 7 Days After Dose 2 in 12-15 and 16-25 Year Olds



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Pfizer data, ACIP, May 12, 2021

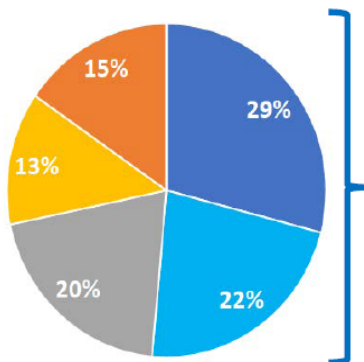
Antibodies and Efficacy

- Higher antibody levels in 12-15 year olds than in 16-24 year olds.
- 100% protection from COVID-19 infection starting seven days after the second dose.



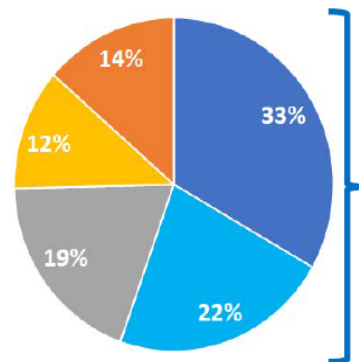
Values: Surveys of Adolescents and Parents Intent to get vaccine/have children vaccinated

Adolescents 13-17 years
(n=839)



51%
definitely/probably
will get vaccinated

Parents of Adolescents 12-17 years
(n=766)



55%
definitely/
probably
will get adolescent
vaccinated

■ Definitely will ■ Probably will ■ Not sure ■ Probably not ■ Definitely not

CDC/U Iowa Survey of Parents and Adolescents, April 2021



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New Co-administration Guidance

- All COVID-19 vaccines can be given without regard to timing of other vaccines
- Consider reactogenicity of other vaccines
- Source: Interim Clinical Considerations for COVID-19 Vaccines Approved for Use in the United States
<https://www.cdc.gov/vaccines/covid-19/info-by-product/clinical-considerations.html>



Pfizer EUA for ≥ 12 year olds

- Same dose and same intervals
 - Same contraindications and precautions
 - Encourage V-safe participation
- At state vaccination sites parent or legal guardian needs to be present and sign consent for children 12-17 years old



Decrease in Routine Immunizations

- Overall VFC orders down by 11.7 million doses compared to 2019
- Adolescent vaccine especially decreased
 - Tdap—down **18.9%**
 - HPV9—down **19.3%**
 - Meningococcal conjugate vaccine— down **15.1%**



Contraindications to Pfizer Vaccine

- Severe allergic reaction (e.g., anaphylaxis) after a previous dose or to a component of the COVID-19 vaccine
- Immediate allergic reaction of any severity to a previous dose or known (diagnosed) allergy to a component of the vaccine
- Known polysorbate allergy is **no longer a contraindication** to mRNA vaccination

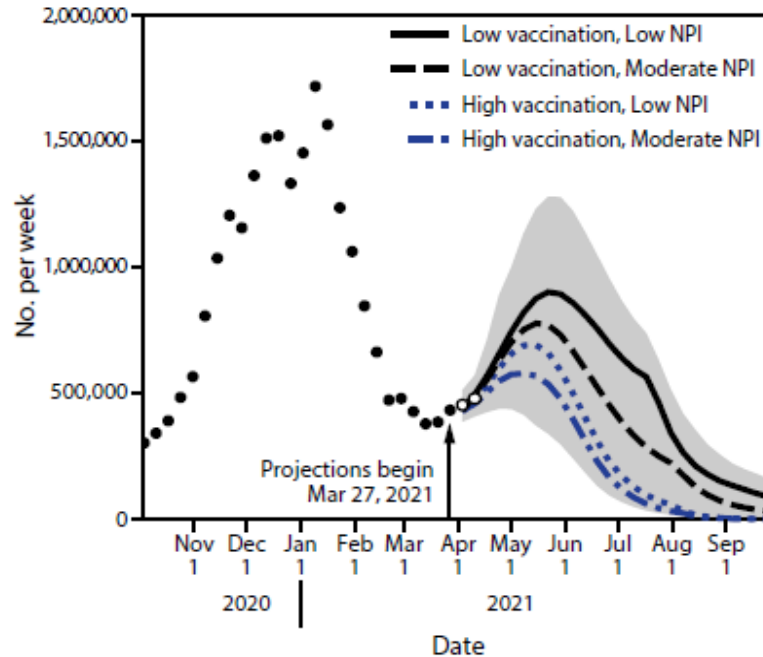


Multisystem Inflammatory Syndrome (MIS-C or MIS-A)

- Excessive immune response to SARS-CoV-2
- High antibodies to SARS-CoV-2 after MIS-C
- Unknown how immune system will respond to vaccination
- Delay COVID-19 vaccination until recovered from illness **AND at least 90 days** from diagnosis



Weekly Projections of COVID-Cases



NPI = Non-pharmaceutical interventions



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MMWR, May 14, 2021

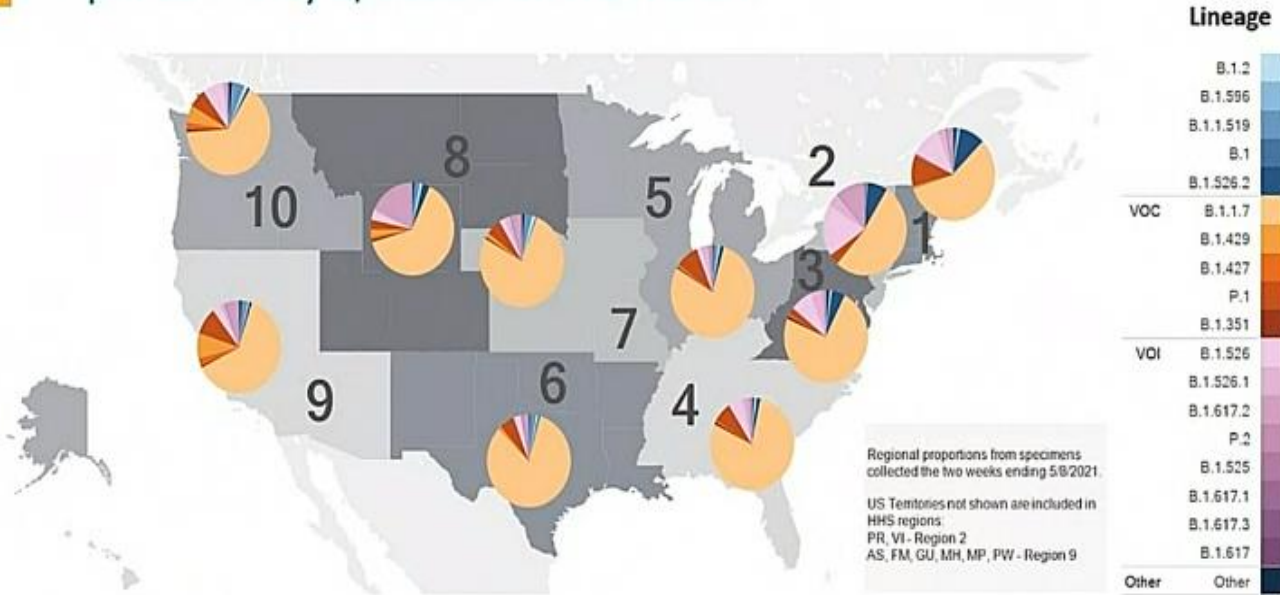
Challenges in Determining Herd Immunity

- How many people infected
- How long protection lasts after infection
- How many people vaccinated
- How long immunity lasts after vaccination
- If immunized people can spread infection and how effectively
- Development of vaccine-resistant variants



Regional SARS-CoV-2 Variant Proportions

April 25 – May 8, 2021 with NOWCAST



[CDC COVID Data Tracker](#) As of 5/11/21; VOC=Variant of Concern; VOI=Variant of Interest



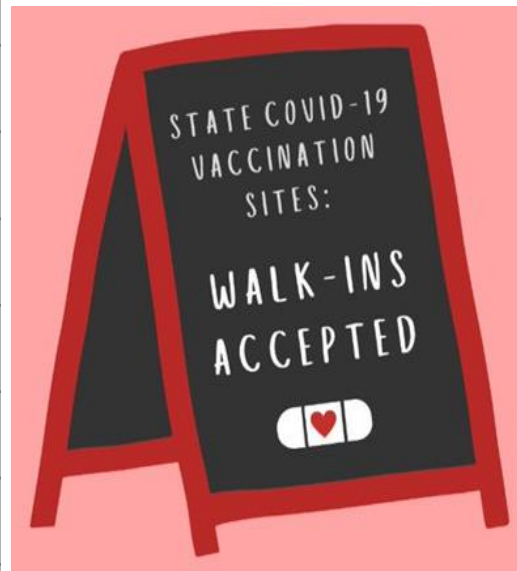
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ACIP, May 12, 2021

State Vaccination Sites Have Pfizer Vaccines

Location	Hours (Week of May 17-23)
Gila River Arena 9400 W. Maryland Ave, Glendale, AZ	Mon-Sun 7am-7pm
WestWorld 16601 N. Pima Rd, Scottsdale, AZ	Mon-Fri 9am-5pm; Sat 9am-1pm
ASU Desert Financial Arena 600 E. Veterans Way, Tempe, AZ	Wed-Sat 9am-5pm
Dexcom in Mesa 8046 E. Ray Rd, Mesa, AZ	Wed-Sat 9am-5pm
Yuma Civic Center 1440 W. Desert Hills Dr, Yuma, AZ	Wed-Sat 10am-6pm
NAU Fieldhouse 1050 Knoles Dr, Flagstaff, AZ	Mon-Sat 10am-6pm
University of Arizona 1501 N. Campbell Ave, Tucson, AZ	Mon-Sat 10am-5pm



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Book appointments at podvaccine.azdhs.gov or 1-
844-542-8201

Other Pfizer COVID-19 Vaccine Locations

- Vaccine Finder www.vaccines.gov
- County health departments
<https://www.azdhs.gov/covid19/vaccines/index.php#county-vaccine-resources>
- Pharmacies
- Some clinics



CDC Updated Pediatric COVID-19 Vaccine Guidance

- Pediatric COVID-19 vaccine toolkit
<https://www.cdc.gov/coronavirus/2019-ncov/vaccines/toolkits/pediatrician.html>
- Interim Clinical Considerations for COVID-19 Vaccines
Approved for Use in the United States
<https://www.cdc.gov/vaccines/covid-19/info-by-product/clinical-considerations.html>



DISEASE IS BAD.

**VACCINES ARE
GOOD.**



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Group Sharing

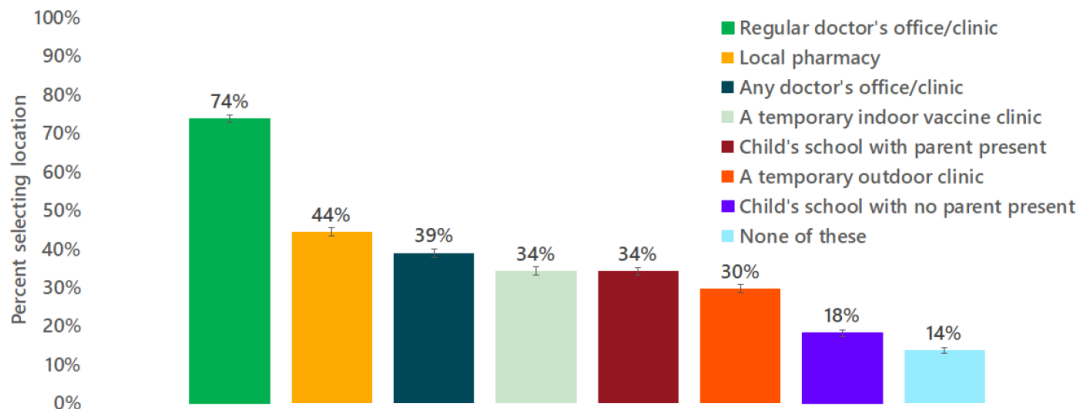
A high-contrast, black and white silhouette image. A hand from the upper left is dropping a rectangular ballot into a dark ballot box. The word "POLL" is printed in white on the ballot. The background is a bright, overexposed sky.

POLL

Who & Where:

- Fathers were more willing than mothers to vaccinate their children
- Older mothers were more willing than younger mothers to vaccinate their children

Acceptability: Comfort with adolescent receiving COVID-19 vaccine at each site



CDC/U Iowa Survey of Parents and Adolescents, April 2021

Helping Kids & Parents Feel Comfortable

What Questions Do You Have about the COVID-19 Vaccine?

Allergies?	Mask after vaccine?	Who needs a vaccine?	How do I get a vaccine?
Natural vs vaccine immunity?	Safe long term?	If I had COVID-19 do I get the vaccine?	Human cells in the vaccine?
mRNA vaccines	Viral Vector vaccines	Insurance	Vaccine records



Vaccinating Patients with Sensory Disorders:

- Avoid interruptions.
- Communicate with the child at a level that he/she can understand. Use a "tell, show, do" approach when explaining procedures. Be clear and concise.
- If possible have them use an electronic device.
- Ask the child to put their hands on their stomach (tummy, belly). Ask the parent to "hold hands" with their child to help prevent flinching. Or ask if the child can be placed on the parent's lap for a "bear hug".
 1. **Child faces parent** - arms held under parent's arms. Parents legs wrap around child's legs.
 2. **Child faces away from parent** - sits on parent's lap facing out. Parent secures arms with each hand and wraps legs around child's legs.
- Start slowly, using only fingers at first to touch the arm. If this is successful, begin using swab/pinching up of muscle.
- Keep the needle out of sight but let them know a "little pinch" as you insert the needle. Needle should be plunged rapidly through the skin without aspiration.
 - Consider non-pharmaceutical interventions: Ethyl Chloride Spray, Buzzy, Cold compress
- Observe unusual body movements and anticipate future movements. Keep area around the child clear.
- **Immobilization techniques may be used only with parental consent to keep the child from potential injury.**
- Reward cooperative behavior with reinforcements that are motivating to the child - music, stickers, verbal reinforcement, etc.



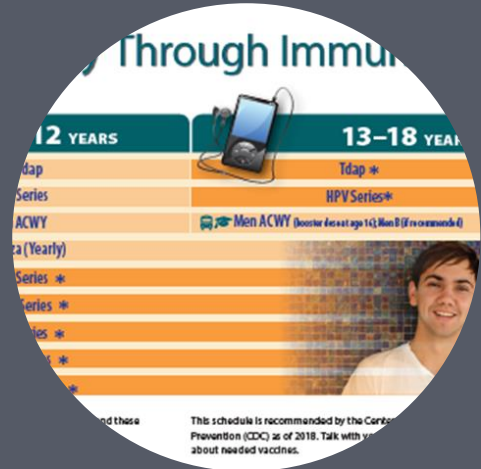
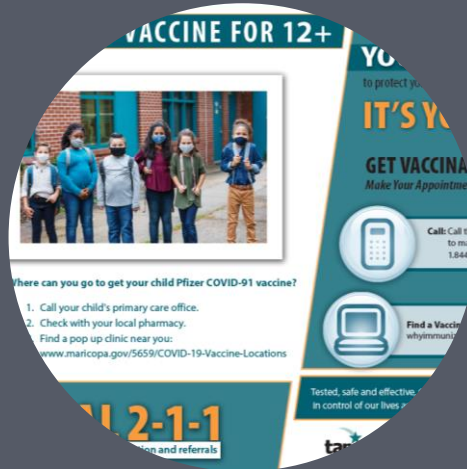
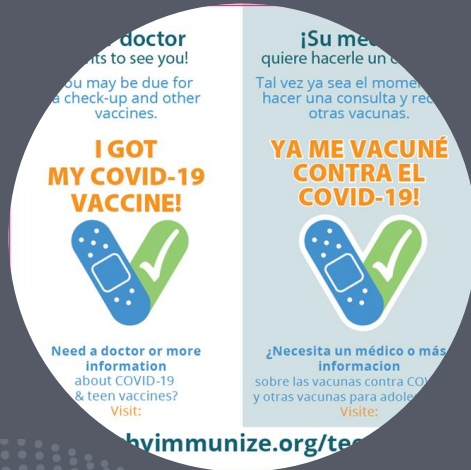
"Bear Hugs"
Therapeutic Holds
& tips for
vaccinating Older
Children

Slides with common questions:
<https://whyimmunize.org/presenter-resources/#1617219166973-24f2f2a7-0505>

Tips for vaccinating patients with sensory disorders
<https://whyimmunize.org/covid-19-vaccine-t-i-p-s/>

Tools for 12+ Outreach

<https://whyimmunize.org/free-materials-2/>



Updates

1. Next COVID T.I.P.S. – Thursday, May 27th
2. “10 Things Parents Need to Know About Why We Immunize” – Thursday, June 3rd

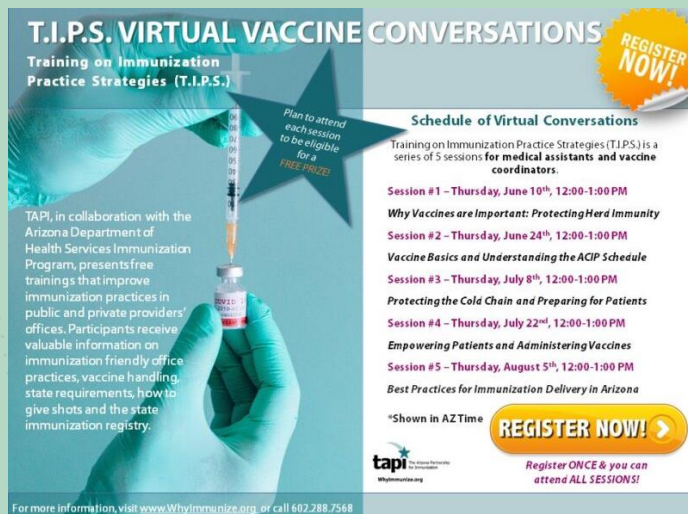
Registration link:

https://us02web.zoom.us/webinar/register/WN_zUZ7QtePR3KgFdVrSfT2-A

3. Summer T.I.P.S. begins Thursday, June 10th

Registration link:

<https://us02web.zoom.us/meeting/register/tZcvc-yurTlqGNeNjS043rLj-lfjkoINi057>



T.I.P.S. VIRTUAL VACCINE CONVERSATIONS
Training on Immunization Practice Strategies (T.I.P.S.)

Plan to attend each session to be eligible for a **FREE PRIZE!**

TAPI, in collaboration with the Arizona Department of Health Services Immunization Program, presents free trainings that improve immunization practices in public and private providers' offices. Participants receive valuable information on immunization friendly office practices, vaccine handling, state requirements, how to give shots and the state immunization registry.

Schedule of Virtual Conversations
Training on Immunization Practice Strategies (T.I.P.S.) is a series of 5 sessions for medical assistants and vaccine coordinators.

- Session #1 – Thursday, June 10th, 12:00-1:00 PM
Why Vaccines are Important: Protecting Herd Immunity
- Session #2 – Thursday, June 24th, 12:00-1:00 PM
Vaccine Basics and Understanding the ACIP Schedule
- Session #3 – Thursday, July 8th, 12:00-1:00 PM
Protecting the Cold Chain and Preparing for Patients
- Session #4 – Thursday, July 22nd, 12:00-1:00 PM
Empowering Patients and Administering Vaccines
- Session #5 – Thursday, August 5th, 12:00-1:00 PM
Best Practices for Immunization Delivery in Arizona

*Shown in AZ Time

REGISTER NOW! >

Register **ONCE** & you can attend **ALL SESSIONS!**

tapi The Arizona Partnership for Immunization
whyimmunize.org

For more information, visit www.WhyImmunize.org, or call 602.288.7568



10 THINGS PARENTS NEED TO KNOW ABOUT WHY WE IMMUNIZE

Please join us virtually to refresh your knowledge of preventive health strategies, fundamentals of immunization, and the impact of vaccine as disease prevention.

June 3rd, 2021
12-1:30 pm

For anyone who interacts with parents immunizing their kids: Health Educators, Social Workers, Medical Assistants, Vaccine Administrators, and more!

REGISTER HERE!

Please contact Laura Smith at LSmith@tapi.org for more information!

tapi The Arizona Partnership for Immunization
whyimmunize.org

CAHEC Center for Advancing Health Education Center
Arizona Alliance for Immunization Practice

See You Next Thursday
at 12:00pm!



EVALUATION

Tell us how we can
improve



EMAIL US

We are here to help
you all!

TAPIadmin@tapi.org



NEXT TOPIC

Adolescent Vaccines–
Vaccinating the
Whole Family



OPEN FORUM

Come with other
questions