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:

<table>
<thead>
<tr>
<th>Adult Kit</th>
<th>Pediatric Kit</th>
<th>Mixed Kit (Pediatric/Adult)</th>
</tr>
</thead>
<tbody>
<tr>
<td>85 needles (22-25G x 1&quot;)</td>
<td>105 needles (25G x 1&quot;)</td>
<td>95 needles (25G x 1&quot;)</td>
</tr>
<tr>
<td>20 needles (22-25G x 1.5&quot;)</td>
<td>105 syringes (1 mL or 3 mL)</td>
<td>10 needles (22-25G x 1.5&quot;)</td>
</tr>
<tr>
<td>105 syringes (1 mL or 3 mL)</td>
<td>210 alcohol pads</td>
<td>105 syringes (1 mL or 3 mL)</td>
</tr>
<tr>
<td>210 alcohol pads</td>
<td>100 vaccination record cards</td>
<td>210 alcohol pads</td>
</tr>
<tr>
<td>100 vaccination record cards</td>
<td>1 needle gauge and length chart</td>
<td>100 vaccination record cards</td>
</tr>
<tr>
<td>1 needle gauge and length chart</td>
<td>2 face shields</td>
<td>1 needle gauge and length chart</td>
</tr>
<tr>
<td>2 face shields</td>
<td>4 surgical masks</td>
<td>2 face shields</td>
</tr>
<tr>
<td>4 surgical masks</td>
<td></td>
<td>4 surgical masks</td>
</tr>
</tbody>
</table>
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.
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.
Reminders

• Keep your office contact information up-to-date in ASIIS/COVID-19 onboarding system.
• You can transfer unused doses to another clinic.
• Vails 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
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
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

ACIP, May 12, 2021
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/#demographics overtime
Cumulative 2009 H1N1 Influenza- and COVID-19-Associated Hospitalization among Adolescents 12-17 years by MMWR week —FluSurv-NET and COVID-NET
COVID-19 Deaths by Age Group, NCHS
—January 1, 2020–April 30, 2021

Adolescents 12–17 years:
127 COVID-19 deaths
1.3% of all deaths among adolescents
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

- Redness
- Swelling
- Pain at Injection Site

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

Pfizer data, ACIP, May 12, 2021
Systemic Reactions After 2\textsuperscript{nd} 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

Fever: 38.0 °C-38.4 °C
- 19.6% 16-25
- 17.2% 12-15

Fatigue: 38.4 °C-38.9 °C
- 66.2% 15-25
- 65.6% 12-15

Headache: 38.9 °C-40.0 °C
- 64.0% 15-25
- 60.9% 12-15

Chills: >40.0 °C
- 41.5% 15-25
- 40.0% 12-15

Vomiting: 38.9 °C-40.0 °C
- 2.6% 15-25
- 2.7% 12-15

Diarrhea: >40.0 °C
- 5.9% 15-25
- 8.0% 12-15

Muscle Pain: 38.0 °C-38.4 °C
- 32.4% 15-25
- 40.8% 12-15

Joint Pain: >40.0 °C
- 15.8% 15-25
- 21.9% 12-15

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

Definitely will  Probably will  Not sure  Probably not  Definitely not
15%  29%  22%  20%  13%

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
14%  33%  19%  12%  22%

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

Arizona Department of Health Services
Health and Wellness for all Arizonans
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%

As of May 2, 2021
Reported in ACIP, May 15, 2021
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

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
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

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

ACIP, May 12, 2021
State Vaccination Sites Have Pfizer Vaccines

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

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

• 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.
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

![Bar chart showing percentage of parents at different locations for vaccine administration.](chart.png)

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

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-lfjkoINl057
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