



October 28, 2022

October West Virginia COVID-19 Vaccines Update

Krista D. Capehart, PharmD, MS, BCACP, FAPhA
WV Board of Pharmacy
WVU School of Pharmacy
WV Joint Interagency Task Force on COVID-19

Lisa M. Costello, MD, MPH, FAAP
WV State Medical Association
WVU School of Medicine
WV Joint Interagency Task Force on COVID-19

Julia Daisy Fraustino, PhD
WVU Reed College of Media
WVU Public Interest Communication Research Lab
WV Joint Interagency Task Force on COVID-19

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+ Objectives

At the conclusion of this program, participants will be able to:



1. State the CDC's recommendations for COVID-19 Omicron booster vaccination;



2. Describe clinical considerations for administering the Omicron COVID-19 booster vaccines; and



3. Understand and apply data-driven communication strategies for communicating with the public to boost COVID-19 vaccination confidence.






Roadmap

- **October Updates to the COVID-19 Vaccination Program**
 - Emergency Use Authorization & General Overview
 - Eligibility & Recommendations
 - Storage, Handling, Dosing Highlights
 - Pfizer Omicron (Bivalent) Boosters for ages 5-11 years
 - Moderna Omicron (Bivalent) Boosters for ages 6-11 years and 12 years and older
 - Additional Clinical Considerations
- **Data-Driven Communication**
 - Social & Behavioral Data Insights
 - Communication Resources



Two products authorized for emergency use as boosters only

 The FDA authorized and CDC recommended **Pfizer-BioNtech COVID-19 Vaccine, Bivalent** (“Omicron booster shot”) as a **booster only** for ages 5-11 years.

 The FDA authorized and CDC recommended **Moderna COVID-19 Vaccine, Bivalent** (“Omicron booster shot”) as a **booster only** for ages 6 through 11 years and ages 12 years and older.



Updated Omicron Boosters



Updated COVID-19 boosters are **bivalent**: they are based on the original strain of SARS-CoV-2 *and* the Omicron BA.4 and BA.5 variants.



This booster helps the immune system restore protection that may have waned since previous vaccination by **targeting Omicron variants that are prevalent and highly transmissible in our communities** at this time.



+ Note on Terminology

- ✓ Several terms being used across national, state, and local networks to refer to the Omicron/bivalent/updated/Fall boosters.
- ✓ CDC clinical considerations, some box/vial labels, and portions of the EUA refer to them as “Bivalent.”
 - CDC refers to the original vaccine as “monovalent.”
- ✓ “Bivalent” and “monovalent” not easily recognized by the public.
- ✓ **Consider using more common language (i.e., bivalent = Omicron, updated; monovalent = original) when discussing options with patients.**



New EUA replaces previous EUA for boosters in ages 5 years and older

 Original (monovalent) mRNA COVID-19 vaccines are no longer authorized as boosters for ages 5 years and older.

 Omicron (bivalent) boosters are the **only** vaccines authorized as boosters for ages 5-17 years*.

 Original (monovalent) mRNA COVID-19 vaccines are still authorized and recommended as the **primary series*** for ages 6 months and older.

*See upcoming slide on Novavax COVID-19 vaccine as primary series vaccination in ages 12 and older and as a booster in limited situations for people ages 18 and older.



+ Note on Novavax COVID-19 Vaccine

✓ Novavax for Primary Series:

- Novavax is authorized for use as primary series vaccination (two-dose series) for ages 12 years and older.

✓ Novavax for Booster (Limited Situations):

- A monovalent Novavax booster (instead of bivalent mRNA booster) may be used in **limited situations** in ages 18 years and older who:
 - completed any FDA-approved or FDA-authorized monovalent primary series,
 - have not received any previous booster dose(s),
 - and are unable to receive an mRNA vaccine (i.e., mRNA vaccine contraindicated or not available) or unwilling to get an mRNA vaccine and would otherwise not get a booster.

✓ There is **no bivalent Novavax COVID-19 vaccine** available at this time.

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<https://www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html>





Omicron (Bivalent) Boosters

Eligibility & Recommendations

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+ Omicron (Bivalent) Booster Recs



Updated COVID-19 booster recommendations (October 2022):

People ages 5 years and older to receive **one** bivalent mRNA booster at least 2 months after completion of a monovalent primary series or previously received monovalent booster dose(s).

These recommendations replace all prior booster recommendations

- Cannot get Omicron (bivalent) booster without first completing at least a primary series (age-appropriate Pfizer or Moderna for ages 5-17 years).
- Age-appropriate homologous and heterologous boosters allowed; no preference.
- At this time, no changes to schedules for children ages 6 months through 4 years.

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<https://bit.ly/C19cdcClinicalConsiderations>








Pfizer-BioNTech

Omicron (Bivalent) Booster for ages 5 -11 years

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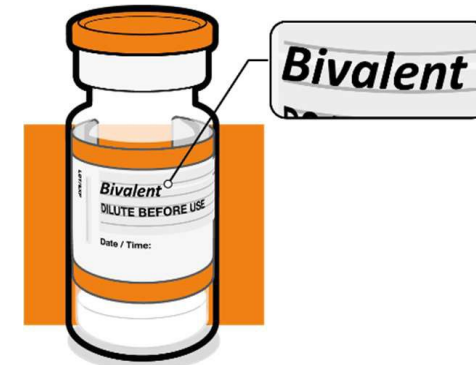
Early data from a Phase 2/3 clinical trial Pfizer BioNTech COVID-19 Bivalent Vaccine

-  Substantial increase in the Omicron BA.4/BA.5 neutralizing antibody response above pre-booster levels based on sera taken 7 days after administration
-  Similar responses seen across individuals aged 18 to 55 years of age and those older than 55 years
-  A 30- μ g booster dose of the Original Pfizer-BioNTech COVID-19 Vaccine elicited more limited increases in the neutralizing antibody response against the Omicron BA.4/BA.5 variants



+ Pfizer-BioNTech COVID-19 Vaccines, 5-11y

	Pfizer Pediatric Monovalent	Pfizer Pediatric Bivalent
Authorized for Ages	5-11 years	5-11 years
Authorized for Doses	Primary series	Booster dose
Vial cap color	Orange	Orange
Dose (mRNA concentration)	10mcg	10mcg; (5mcg original; 5mcg Omicron BA.4/BA.5)
Vaccine composition	Monovalent	Bivalent - 5mcg Omicron BA.4/BA.5
Injection volume	0.2 mL	0.2 mL
Dilution required	YES	YES
Beyond-used date	12 hours after puncture	12 hours after puncture
Storage	Ultra-cold freezer until expiration; Refrigeration (2°C to 8°C) up to 10 weeks	Ultra-cold freezer until expiration; Refrigeration (2°C to 8°C) up to 10 weeks



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<https://www.fda.gov/media/162250/download>



+ Pfizer-BioNTech COVID-19 Vaccine Dilution

- ✓ Each vial **MUST BE DILUTED** before administering the vaccine.
- ✓ The Pfizer-BioNTech COVID-19 Vaccine, Bivalent vials contain a frozen suspension that does not contain a preservative. Each vial must be thawed before dilution.
- ✓ Vials may be thawed in the refrigerator [2°C to 8°C (35°F to 46°F)] or at room temperature [up to 25°C (77°F)].
- ✓ Dilute the vial contents using 1.3 mL of sterile 0.9% Sodium Chloride Injection, USP (not provided) to form the Pfizer-BioNTech COVID-19 Vaccine, Bivalent.
- ✓ **ONLY use sterile 0.9% Sodium Chloride Injection, USP as the diluent.** This diluent is not packaged with the vaccine and must be sourced separately. Do **not** use bacteriostatic 0.9% Sodium Chloride Injection or any other diluent. Do **not** add more than 1.3 mL of diluent.
- ✓ After dilution, 1 vial contains 10 doses of 0.2 mL.

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<https://www.cdc.gov/vaccines/acip/meetings/downloads/slides-2022-09-01/09-COVID-Hall-508.pdf>



+Pfizer Bivalent Pediatric Storage, Handling, & Dosing Highlights

- ✓ Do not refreeze thawed vials.
- ✓ Once received, frozen vials may be immediately transferred to the refrigerator [2°C to 8°C (35°F to 46°F)], thawed, and stored for up to 10 weeks. The 10-week refrigerated expiry date should be recorded on the carton at the time of transfer. A carton of 10 vials may take up to 4 hours to thaw at this temperature.
- ✓ Alternatively, frozen vials may be stored in an ultra-low temperature freezer at -90°C to -60°C (-130°F to -76°F) for up to 12 months from the date of manufacture. Do not store vials at -25°C to -15°C (-13°F to °F).
- ✓ Pfizer-BioNTech COVID-19 Vaccine, Bivalent may be stored at room temperature [8°C to 25°C (46°F to 77°F)] for a total of 12 hours prior to dilution.
- ✓ After dilution, the vial should be held between 2°C to 25°C (35°F to 77°F). Vials should be discarded 12 hours after dilution.

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<https://www.fda.gov/media/162250/download>









Moderna

Omicron (Bivalent) Booster for ages 6-11 years & 12+ years

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Moderna Bivalent Omicron Booster Early Phase 2/3 Preliminary Efficacy Data

-  50mcg Bivalent booster vs 50mcg of “original” strain
-  Safety and reactogenicity profile that was similar to that of the prototype 50- μ g mRNA-1273 (monovalent) booster vaccine
-  mRNA-1273.214 vaccine elicited a superior neutralizing antibody response against omicron, as compared with mRNA-1273, 28 days after the booster dose
-  Neutralizing antibody responses were consistently higher with mRNA-1273.214 than with mRNA-1273, irrespective of previous SARS-CoV-2 infection

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A Bivalent Omicron-Containing Booster Vaccine against Covid-19 Available at
<https://www.nejm.org/doi/full/10.1056/NEJMoa2208343>



Moderna COVID-19 Vaccines

	Moderna Bivalent
Authorized for Ages	6-11 years; 12 + years
Vial cap color	Dark Blue
Label Color	Grey
Dose (mRNA concentration)	25mcg;50mcg
Vaccine composition	Omicron original; omicron BA.4/BA.5
Injection volume	0.25mL; 0.5mL
Dilution required	No
Beyond-used date	12 hours
Storage	Store frozen between -50°C to -15°C (-58°F to 5°F) until expiration; Refrigerator 2°C to 8°C (36°F to 46°F) for up to 30 days prior to first use, provided the expiration date is not exceeded.

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<https://www.fda.gov/media/161318/download>



+ Moderna Storage, Handling, & Dosing Highlights

- ✓ Fact Sheet information supersedes vial and carton labels.
- ✓ Do not refreeze thawed vials.
- ✓ Each multiple dose vial contains 5 booster doses of 0.5 mL OR 10 doses or 0.25mL.
 - If the amount of vaccine remaining in the vial cannot provide a full dose, discard the vial and contents. Do not pool excess vaccine from multiple vials.
- ✓ After the first booster dose has been withdrawn, the vial should be held between 2°C to 25°C (36°F to 77°F). Discard vial after 12 hours.
- ✓ DO NOT DILUTE prior to use

Frozen Storage

Store frozen between -50°C to -15°C (-58°F to 5°F).

Storage after Thawing

- Storage at 2°C to 8°C (36°F to 46°F):
 - Vials may be stored refrigerated between 2°C to 8°C (36°F to 46°F) for up to 30 days prior to first use.
 - Vials should be discarded 12 hours after the first puncture.
- Storage at 8°C to 25°C (46°F to 77°F):
 - Vials may be stored between 8°C to 25°C (46°F to 77°F) for a total of 24 hours.
 - Vials should be discarded 12 hours after the first puncture.
 - Total storage at 8°C to 25°C (46°F to 77°F) must not exceed 24 hours.

Moderna EUA: <https://www.fda.gov/media/161318/download>

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COVID-19 Vaccine, Bivalent Omicron Booster Additional Clinical Considerations for ages 5 years & older

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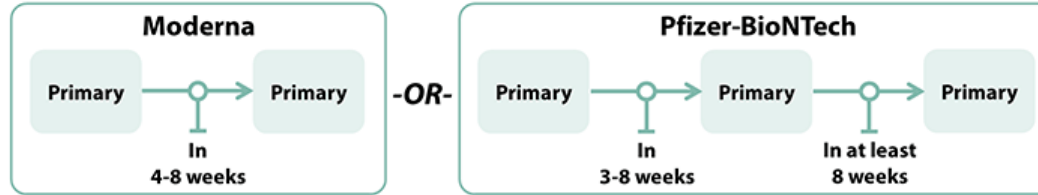
Summary of COVID-19 Vaccine Schedule for Most People

<https://www.cdc.gov/vaccines/covid-19/images/COVID19-vaccination-schedule-most-people.png>

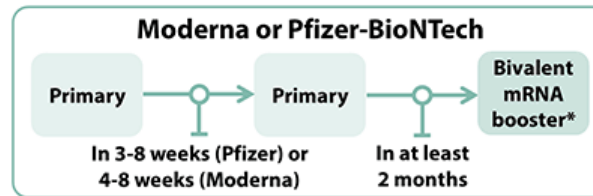
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COVID-19 Vaccination Schedule Infographic for People who are NOT Moderately or Severely Immunocompromised

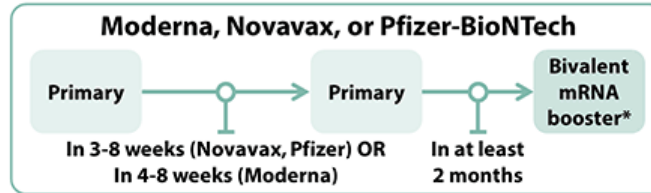
People ages 6 months through 4 years



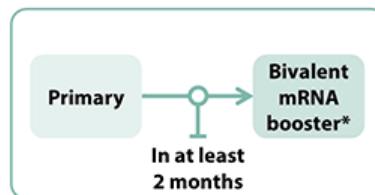
People ages 5 through 11 years



People ages 12 years and older



People ages 18 years and older who previously received Janssen primary series dose[†]



*Administer an age-appropriate mRNA bivalent booster (i.e., Pfizer-BioNTech for people age 5 years and either Pfizer-BioNTech or Moderna for people ages 6 years and older). For people who previously received a monovalent booster dose(s), the bivalent booster dose is administered at least 2 months after the last monovalent booster dose.

[†]Janssen COVID-19 Vaccine should only be used in certain limited situations. See: <https://www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us-appendix.html#appendix-a>





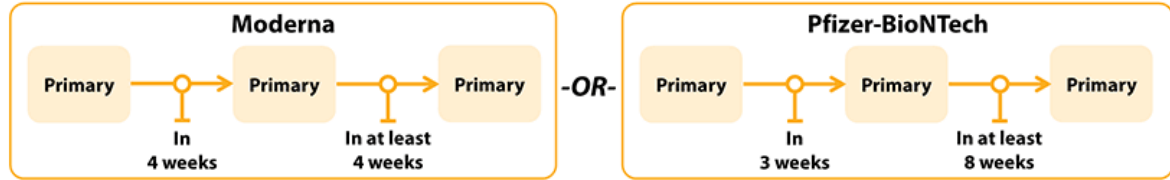
Summary of COVID-19 Vaccine Schedule for Moderately to Severely Immunocompromised People

<https://www.cdc.gov/vaccines/covid-19/images/COVID19-vaccination-schedule-immunocompromised.png>

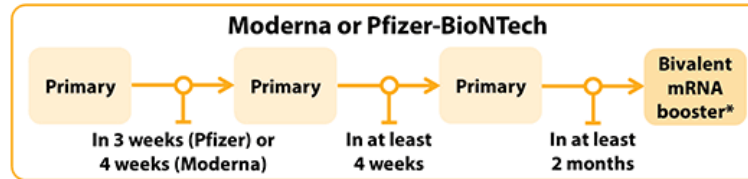
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COVID-19 Vaccination Schedule Infographic for People who are Moderately or Severely Immunocompromised

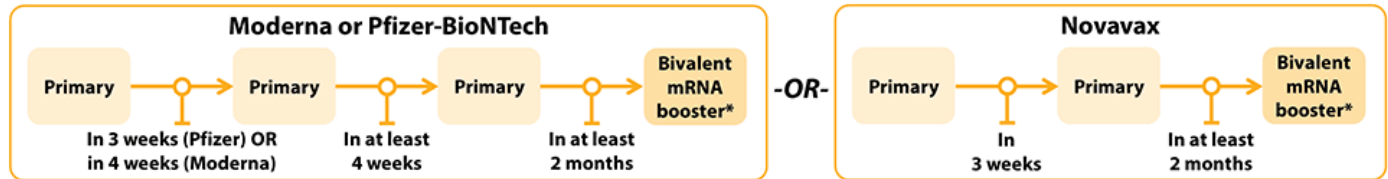
People ages 6 months through 4 years



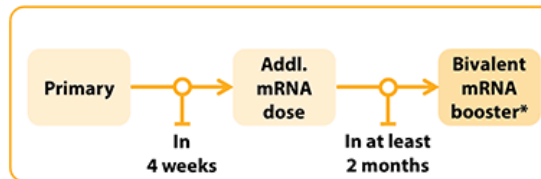
People ages 5 through 11 years



People ages 12 years and older

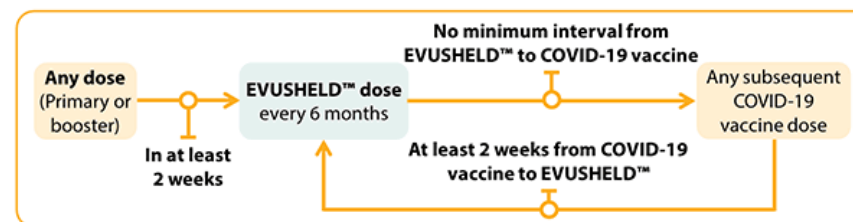


People ages 18 years and older who previously received Janssen primary series dose[†]



Monoclonal antibodies (EVUSHELD™) for COVID-19 pre-exposure prophylaxis

People ages 12 years and older (must weigh at least 40kg)



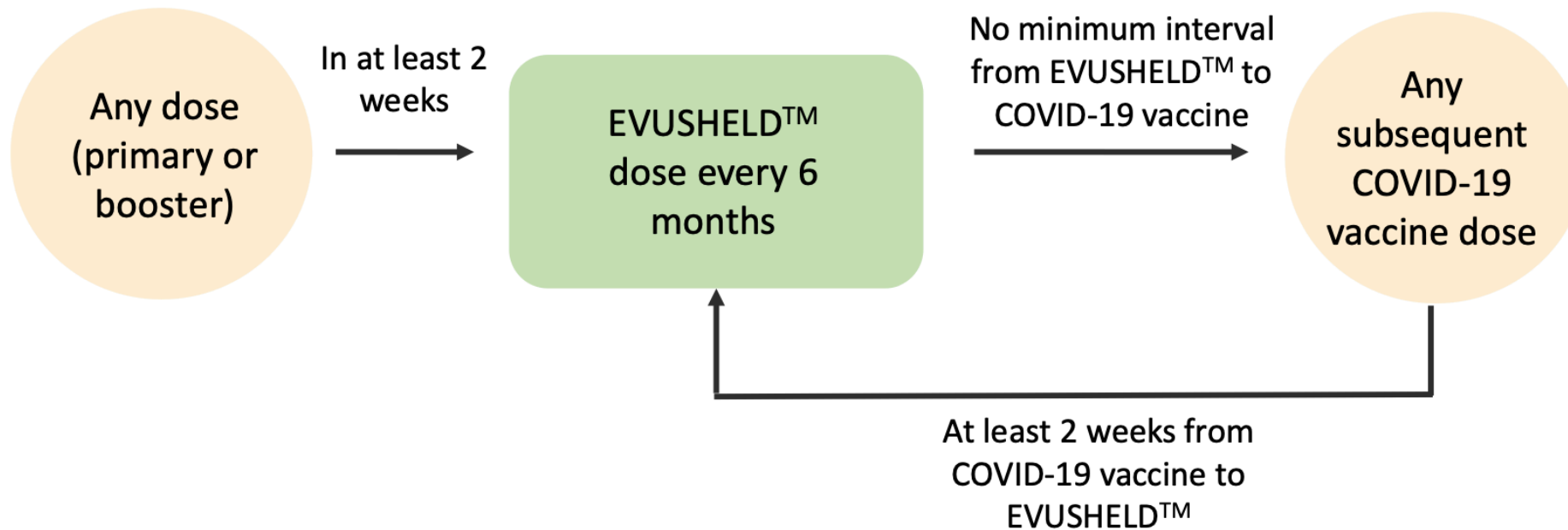
*Administer an age-appropriate mRNA bivalent booster (i.e., Pfizer-BioNTech for people age 5 years and either Pfizer-BioNTech or Moderna for people ages 6 years and older). For people who previously received a monovalent booster dose(s), the bivalent booster dose is administered at least 2 months after the last monovalent booster dose.

[†]Janssen COVID-19 Vaccine should only be used in certain limited situations. See: <https://www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us-appendix.html#appendix-a>

+ Supplementing COVID-19 vaccination with pre-exposure prophylaxis

Monoclonal antibodies (EVUSHELD™) for COVID-19 pre-exposure prophylaxis

People ages 12 years and older (must weigh at least 40 kg)







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More on Evusheld in CDC Interim Clinical Considerations for Use of COVID-19 Vaccines: <https://www.cdc.gov/vaccines/covid-19/clinical-considerations/interim-considerations-us.html# covid19-vaccination-evusheld>



Coadministration (Multiple Vaccine Administration Simultaneously)

-  Routine administration of all age-appropriate doses of vaccines **simultaneously** is recommended as CDC best practice (for people with no specific contraindications).
 - COVID-19 vaccines may be administered without regard to timing of other vaccines. This includes administration of COVID-19 vaccine and other vaccines at the same visit.
-  If multiple vaccines are administered at a single visit, administer each injection in a different injection site, according to recommendations by age.
-  Providers should **offer an influenza vaccine and COVID-19 vaccine at the same visit**, if eligible. **This is a best practice.**
 - This includes adjuvanted or high-dose influenza vaccines; administer in separate limbs.
-  However, there **are** additional considerations if administering an orthopoxvirus (Monkeypox) vaccine (see Clinical Considerations).



+ Other Clinical Information



It is recommended that everyone ages 6 months and older stays up-to-date on COVID-19 vaccination.

- Staying up-to-date means completing a primary series and getting each booster shot recommended by CDC.



Anticipated side effects:

- Local: pain, swelling, erythema at the injection site
- Systemic: fever, fatigue, headache, chills, myalgia, arthralgia, lymphadenopathy



Vaccine Adverse Event Reporting System (VAERS)



For reporting adverse events or administration errors for vaccines:
<https://vaers.hhs.gov>

1. Must report to VAERS if error adverse event occurs, and
2. Contact WV COVID-19 Hotline **1-800-887-4304**, and further instructions will be provided by Dr. Elizabeth Scharman.

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Follow TED to Avoid COVID-19 Vaccine Errors



TYPE

- Are you using the recommended COVID-19 vaccine for this person?

EXPIRATION

- Did you check the vial's expiration date?
- Is the vaccine within the usable time frame for the storage conditions?

DOSE

- Is this the correct amount for the person's age, dose number, and vaccine type?
- Was the vaccine prepared correctly for the product type (diluted or not)?

For brand-specific COVID-19 vaccine info, visit the FDA:



If an error occurs:
report on **vaers.hhs.gov** and
call the WV COVID-19 Hotline
1-800-887-4304

WEST VIRGINIA
Department of
**Health & Human
Resources**



COVID-19 Vaccines: Data-driven Communication Insights & Resources

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+ Boosting Vaccine Confidence



You are most trusted and your recommendation matters

- #1 trusted source of COVID-19 health information among West Virginians
- A top trusted source among your family, friends, and communities

Terminology note revisited

- As you know, word choice matters. For public:
 - **Bivalent booster** = greater barriers, more confusion, more negative attitudes, statistically lower vaccination intentions
 - **Omicron booster** = reduced barriers, less confusion, wider array of attitudes (including positive), statistically higher vaccination intentions

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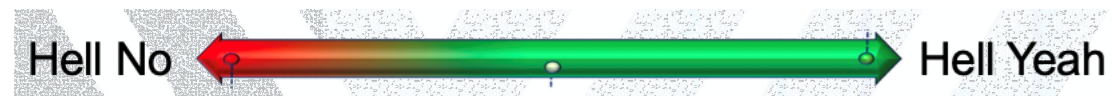
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Based on WV statewide data from WVU PIC Lab – contact jdfraustino@mail.wvu.edu



WV Omicron Booster Intentions (full sample, $N = 697$; $M = 2.97$)

Intention Level	Sample Frequency
1. Hell No	22%
2. Long Game	18%
3. On-the-Fence	18%
4. Willing	25%
5. Hell Yeah	17%



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+ Omicron Booster Intentions (full sample)

Statistical Predictors of Intention:

- Perceived **vaccine effectiveness**
- **Subjective norm** – i.e., believe others think I should get vaccinated
- **Descriptive norm** – i.e., perception that others are choosing vaccination



+ Full Sample Takeaways – Gen Pop

42% West Virginians somewhat or strongly **willing** to get an Omicron booster

Need to boost perceptions of **vaccine effectiveness**

Norms are key (trusted messengers, increasing perceptions that others are choosing vaccination and think you should, too)

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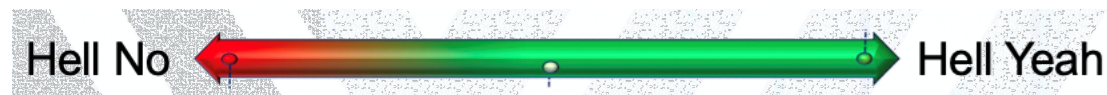




Omicron Booster Intention

(vaccinated with at least 1 shot, $N = 475$; $M = 3.48$)

Intention Level	Sample Frequency
1. Hell No	8%
2. Long Game	16%
3. On-the-Fence	20%
4. Willing	31%
5. Hell Yeah	25%



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Omicron Booster Intention (vaccinated with at least 1 shot, $N = 475$)

Statistical Predictors of Intention:

- Perceived **vaccine effectiveness**
- Belief that I **can get another** shot if needed (self-efficacy)
- **Subjective norm** – i.e., believe others think I should get vaccinated
- Perceived **severity** of COVID-19 disease
- Movement from politically liberal to conservative (negative predictor)





Vaccinated Sample Takeaways – Most Likely to Choose Omicron Booster

56% West Virginians somewhat or strongly **willing** to get an Omicron booster

Those who were **boosted previously** have stronger Omicron booster intentions

Need to increase perceptions of **vaccine effectiveness** (including purpose & limits)

Assist with self-efficacy – knowing **where, when, how to get an Omicron booster**

Need to increase perceptions of COVID-19 **disease as severe**

Norms are key (trusted messengers, increase perceptions that others are choosing vaccination and think you should)

Empathize, find shared values to resonate with those who ID as more conservative

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Reminders: When Talking to Any Patients About COVID-19 Vaccines

- ✓ Start from a place of empathy and understanding
 - Listen first and fully, and ask to provide information
 - Know that it may take many conversations
 - **No** fear, guilt, shame appeals (no hint of judgment – including nonverbals)
- ✓ Help them find their reason(s) to get vaccinated
- ✓ Use evidence-driven facts and personal storytelling
 - **No overt persuasion**, or even the perception of it
- ✓ Offer your clear, kind, personalized recommendation





Data-driven COVID-19 Vaccination Resources

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Step 1

Download the Assets



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Step 2

Copy the Text

Are you up-to-date on your COVID-19 vaccines? That's the best way to protect yourself from getting really sick from COVID-19. To stay up-to-date: first, everyone ages 6 months and older needs a primary series (the initial shots that teach the body to recognize and fight the virus). Next, ages 5 years and older need to get boosted (booster shots help the body rebuild immunity). To find out if you're due for a COVID-19 shot, use the Vaccination Due Date Calculator at [vaccinate.wv.gov](https://www.wv.gov/vaccinate). #CommunityImmunityWV

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Step 3

Login to Facebook and post using the assets and text!

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*To download videos, you must open this message in an email app, not a web browser.

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Messaging Kit: Graphics & Customizable Captions



Many available in Spanish

Step 1

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Omicron booster shots are recommended for everyone ages 12 and older who completed the primary series (for most people that's the first two shots), and their most recent COVID-19 shot of any kind was at least 2 months ago. We are now offering COVID-19 Omicron booster shots to help boost your protection against the original virus and the variants most commonly spreading in our communities.

[User to insert additional clinic specifics in the caption here.]

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*To download videos, you must open this message in an email app, not a web browser.

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bit.ly/C19SPK



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Have questions about COVID-19 shots?



To view these Frequently Asked Questions and additional resources online, hover over this QR code with your smartphone camera and click on the link that pops up.

Note: While the information in this FAQ is current as of the listed date, guidelines are subject to change.

Updated October 20, 2022

WHAT IS COVID-19?

COVID-19 is an illness caused by a virus spreading in our WV communities and around the world. People with COVID-19 can have a range of symptoms, from mild sickness to serious illness that needs hospital treatment, or worse. Each body reacts differently to the virus. Some otherwise healthy people can get very sick, with symptoms lasting months and longer (often called "post-COVID conditions" or "long COVID"). COVID-19 disease can have long-term health consequences, even for those with mild cases.

WHO IS AT RISK FOR COVID-19?

Everyone of all ages and backgrounds is at risk. The virus that causes COVID-19 spreads from person-to-person, mainly through droplets produced when an infected person exhales or speaks, and especially when they yell, sing, cough, or sneeze. Risk for most severe illness increases with age and underlying conditions such as obesity, diabetes, and heart disease. However, anyone can get severe disease, and many new cases of COVID-19 in West Virginia are among younger people.

WHAT IS THE BEST WAY TO PROTECT AGAINST COVID-19?

Vaccination is the best way to build protection against getting very sick, needing hospital care, or even dying from COVID-19. Vaccination is safer than fighting the virus without immunity from the vaccine; it helps to protect against other strains of the virus; and it is effective at preventing severe illness, hospitalization, and death from COVID-19. Tools such as improving ventilation, wearing masks, avoiding crowds, and hand washing provide layers of protection by reducing the spread of the virus.

ARE THE COVID-19 VACCINES SAFE?

Yes. COVID-19 vaccines were evaluated in several clinical trials and have been safely administered to billions of people in the U.S. and around the world. Although side effects from vaccination can occur, they are usually mild and brief. Severe reactions to the vaccine are extremely rare (see more below). With the most robust safety monitoring in history, COVID-19 vaccines are safe for those ages 6 months and older.

ARE THE COVID-19 VACCINES EFFECTIVE?

Yes. COVID-19 vaccines are highly effective in preventing severe COVID-19 disease, hospitalizations, and death. Keeping up-to-date with vaccination, including booster shots when due, is the best protection against existing variants (variants are new strains that happen when a virus is able to spread and mutate). Even if you do test positive for COVID, being up-to-date on your COVID-19 shots means you're far less likely to get very sick, need hospital care, or die from the disease.

p.1



For more info, visit vaccinate.wv.gov or call the WV COVID-19 Vaccine Info Line 1-833-734-0965 M-F 8am - 6pm, Sat 9am - 5pm



Have questions about COVID-19 shots for children & teens? (under 18)



Visit vaccinate.wv.gov to view FAQs and to use the WV COVID-19 Vaccination Due Date Calculator to find out when you or your child/teen are due for a COVID-19 shot.

Note: While the information in this FAQ is current as of the listed date, guidelines are subject to change.

Updated October 20, 2022

WHAT IS COVID-19?

COVID-19 is an illness caused by a virus spreading around the world and locally. The virus spreads mainly through droplets made when an infected person exhales or speaks, and especially when they yell, sing, cough, or sneeze. People with COVID-19 can have a range of symptoms, from mild sickness to extreme illness that needs hospital treatment or worse. Some otherwise healthy people can get very sick, with symptoms lasting months and longer (often called "post-COVID conditions" or "long COVID").

ARE CHILDREN AND TEENS AT RISK FOR COVID-19?

Yes. Millions of children have gotten COVID-19. COVID-19 is a leading cause of pediatric death. Tens of thousands of kids have been hospitalized with COVID-19, and many had no known pre-existing conditions. Each person's body reacts differently to the virus. COVID-19 disease can have long-term health consequences, even from mild cases. Some otherwise healthy people can have symptoms that last months or longer (called "long COVID"). Although older adults and people with underlying health conditions have more risk for severe COVID-19, children and teens can also be severely affected.

Calculator

For a simplified way to find out when to get a COVID-19 shot, use the **WV COVID-19 Vaccination Due Date Calculator** by scrolling down at vaccinate.wv.gov

The calculator is a free, online tool to quickly help anyone figure out when they are due for a COVID-19 shot, including for those immunocompromised.

West Virginians can also call the 24/7 WV COVID-19 Hotline at 1-800-887-4304 to learn when they are due or ask other COVID-19 vaccination questions.

ARE KIDS ELIGIBLE FOR COVID-19 SHOTS IN WV?

Yes. West Virginians ages 6 months and older* are eligible for COVID-19 shots. To stay up-to-date on COVID-19 vaccination for maximum protection against COVID-19.

First, everyone ages 6 months and older needs a **primary series** (the initial set of shots that teach the body to recognize and fight the virus).

Next, most people ages 5 years and older need to **get boosted** (booster shots help the body build or restore immunity when protection from the primary series starts to fade).

At this time, people ages 5 years and older are recommended to get one Omicron booster shot (bivalent) when due.

Children under age 5 are not yet eligible to get a booster shot.

*Minors need guardian consent (forms available from vaccine provider).

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For more info, visit vaccinate.wv.gov or call the WV COVID-19 Vaccine Info Line 1-833-734-0965 M-F 8am - 6pm, Sat 9am - 5pm



bit.ly/C19SPK



Order posters, FAQs, lanyards/holders/buttons: covidvaxwv.org/order

Estar al Día con las Vacunas Contra la COVID-19 es la Mejor Manera de Protegerse del Virus

Consulte a su proveedor de atención médica hoy mismo si le corresponde recibir una vacuna contra la COVID-19.

Para obtener más información o para saber si le corresponde vacunarse contra la COVID-19, coloque la cámara de su teléfono inteligente sobre este código QR y haga clic en el enlace.

Más información: vacunas.gov
 Línea directa de vacunación contra la COVID-19: 1-800-232-0233

Staying Up-to-Date on COVID-19 Shots is the Best Way to Protect Against COVID-19

If you're immunocompromised, you're at greater risk for COVID-19 disease. You may need additional shots for protection.
 Ask your healthcare provider today if you're due for a COVID-19 shot.

For more information or to find out if you are due for a COVID-19 shot, hover over this QR code with your smartphone camera, tap on the link, and scroll down to the COVID-19 Vaccination Due Date Calculator.

Learn more: vaccinate.wv.gov
 WV COVID-19 Hotline: 1-800-887-4304

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Learn more: vaccinate.wv.gov
 WV COVID-19 Hotline: 1-800-887-4304

Staying Up-to-Date on COVID-19 Shots is the Best Way to Protect You and Your Baby from COVID-19

Are you or your loved ones due for a COVID-19 shot?

Talk to your healthcare provider today about COVID-19 vaccination.

For more information or to find out if you are due for a COVID-19 shot, hover over this QR code with your smartphone camera, tap on the link, and scroll down to the COVID-19 Vaccination Due Date Calculator.

Learn more: vaccinate.wv.gov
 WV COVID-19 Hotline: 1-800-887-4304

For you. For your baby.

Staying Up-to-Date on COVID-19 Shots is the Best Way to Protect Against COVID-19

Ask your healthcare provider today if you're due for a COVID-19 shot.

For more information or to find out if you are due for a COVID-19 shot, hover over this QR code with your smartphone camera, tap on the link, and scroll down to the COVID-19 Vaccination Due Date Calculator.

Learn more: vaccinate.wv.gov
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Follow TED to Avoid COVID-19 Vaccine Errors

- TYPE**
- Are you using the recommended COVID-19 vaccine for this person?
- EXPIRATION**
- Did you check the vial's expiration date?
 - Is the vaccine within the usable time frame for the storage conditions?
- DOSE**
- Is this the correct amount for the person's age, dose number, and vaccine type?
 - Was the vaccine prepared correctly for the product type (diluted or not)?

For brand-specific COVID-19 vaccine info, visit the FDA:



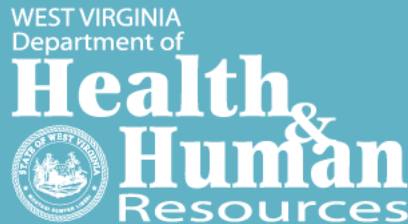
If an error occurs: report on www.hhs.gov and call the WV COVID-19 Hotline 1-800-887-4304



COVID-19 VACCINATION

Due Date Calculator

Available online at
vaccinate.wv.gov



Step 1: Visit Vaccinate.WV.gov & scroll down

COVID-19 Vaccination Due Date Calculator

Welcome to the COVID-19 Vaccination Due Date Calculator.

With the ever-changing nature of the virus that causes COVID-19, clear information about vaccination and how to stay protected is important. The purpose of this tool is to make it easier for you to stay up to date on your COVID-19 vaccination.

Responses entered into this tool are not visible to, and are not stored by, the West Virginia state entities managing this application. It is run on the user's web browser and is solely to provide information to the user and no other individual or entity.

In the upcoming pages, you will see:

- **Introductory information** (such as a reminder to get your COVID-19 Vaccination Card if you have one)
- **Disclaimer information** (such as what the tool is and isn't)
- **Questions** (only those required to calculate your COVID-19 vaccination due date)
- **When you may become due** for a COVID-19 vaccine shot (and for **what type**)
- A medical information **page for healthcare professionals** at the end

Last updated on Oct 12, 2022.

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Step 2: View Welcome/Disclaimer

COVID-19 Vaccination Due Date Calculator

This calculator is a tool that can be used to determine when you may be due for a COVID-19 vaccine. To do so, please fill in the following information for yourself (or, if you are the authorized guardian/caregiver using this tool for someone else, fill it in that person's information).

If you have had any previous COVID-19 shots, please have your COVID-19 Vaccination Card handy.

The tool's questions will ask about:

- birthdate,
- type and number of COVID-19 shots received (if any),
- whether you are considered moderately to severely immunocompromised, and
- the date of the most recent COVID-19 shot

This will let the tool calculate for you if/when you may be due for a COVID-19 vaccine shot and provide additional information about what type of vaccines are recommended based on various conditions at the end of the tool.

This is meant as an individual education tool and not to replace licensed medical decision making. **change, so please check back periodically.**

More information about the purpose and limitations of this tool is next.

CVDD Calculator Disclaimer

This tool is a product of the WV Governor's Joint Interagency Task Force for COVID-19 and the WV Department of Health and Human Resources' Bureau for Public Health.

This tool is based on [U.S. COVID-19 vaccination guidelines](#) and was last updated Wed, Oct 12, 2022.

The information contained in this product is not intended to be, nor should it be used as, a substitute for the exercise of professional judgement by a licensed healthcare provider.

This tool does not account for all possible medical situations. The West Virginia state partners who manage this tool have strived to use best efforts to accurately convey immunization recommendations for COVID-19 vaccines, but cannot guarantee whether it is outdated, incomplete, or accurate in all cases.

This tool is to be used as a method **for individuals to simplify and customize complex medical information** in a general way to determine when the user may be due for another shot to stay up to date on COVID-19 vaccination, and it does not constitute, or substitute for, licensed medical practice.

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Step 3: Make Selections

COVID-19 Vaccination Due Date Calculator

1. What is your birthdate? (Please enter as mm/dd/yyyy or select from the calendar.)

[Previous](#)[Next](#)

Birthdate



Step 3: Make Selections

COVID-19 Vaccination Due Date Calculator

2. Have you had a COVID-19 vaccine shot before?

Yes

How many COVID-19 shots have you received?

4

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Previous COVID-19 Shots (if any)



Step 3: Make Selections

COVID-19 Vaccination Due Date Calculator

3. What type of vaccine was your first COVID-19 shot?

- ✓ Pfizer
- Moderna
- Johnson & Johnson
- Novavax
- Unsure
- Other (such as outside of the U.S.)

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FIRST COVID-19 Vaccine Type



Step 3: Make Selections

COVID-19 Vaccination Due Date Calculator

4. Are you considered moderately to severely immunocompromised (see definition below)?

Being immunocompromised in certain ways affects the number of shots a person may need to build adequate immune response for protection against COVID-19.

You may be considered as moderately or severely immunocompromised in the COVID-19 vaccination context if you have:

- Been receiving active cancer treatment for tumors or cancers of the blood
- Received an organ transplant and are taking medicine to suppress the immune system
- Received a stem cell transplant within the last 2 years or are taking medicine to suppress the immune system
- Moderate or severe primary immunodeficiency (such as DiGeorge syndrome, Wiskott-Aldrich syndrome)
- Advanced or untreated HIV infection
- Active treatment with [high-dose corticosteroids or other medications](#) that may suppress the immune response

✓ No

Yes

Unsure

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Immunocompromised



Step 3: Make Selections

COVID-19 Vaccination Due Date Calculator

5. What was the date of your last (most recent) COVID-19 shot? (Please enter as mm/dd/yyyy or select from the calendar.)

Check the box if your most recent COVID-19 vaccination was an Omicron (Bivalent) booster (available as of Sept. 1, 2022)

The Omicron booster shot (bivalent) is the updated Fall 2022 booster that is based on the original virus and the Omicron BA.4/5 subvariants circulating in our communities at this time.

The original COVID-19 shots (monovalent) are the initial COVID-19 vaccines that were based on the original virus and started becoming authorized for use in December 2020.

[Unsure](#)

Previous

Finish

Most Recent COVID-19 Shot (& Omicron?)



Done! Get Your Due Date, Type & Stay Up-to-Date

COVID-19 Vaccination Due Date Calculator

You are eligible for the **Pfizer or Moderna** COVID-19 Omicron booster shot ("bivalent"*) on or after **Thu, September 1, 2022** 📅

Personal
Calendar
Reminder

Click here to schedule a COVID-19 vaccination appointment: <https://vaccines.gov/search>

**Schedule
Vaccination**

Or, click the calendar icon above to add a reminder to your personal calendar that you are due for COVID-19 vaccination.

Important: Each type of COVID-19 vaccine is age-specific. When scheduling your or your loved one's vaccination, make sure that the provider carries the age-specific vaccine type. For more information on vaccines for each age group, click the Medical Info button below.

***Omicron booster shots are referred to as "bivalent."** This means that the vaccine is updated to provide protection against multiple strains of the virus.

Please note that **you may need to look for "bivalent" "Omicron" or "updated"** as terms when scheduling your vaccination appointment, depending on the location and tool you are using. If you have any questions, contact a healthcare provider or the WV COVID-19 Vaccination Info Line at 1-833-734-0965.

Find Out When You Become Due for a Shot – and for What Type of COVID-19 Vaccine



Reminder: “Medical Info” Page for Health Providers (or anybody who wants more in-depth info)

If you need help finding a COVID-19 vaccination location, including vaccination options for someone who is homebound, contact the West Virginia COVID-19 Vaccine Info Line at 1-833-734-0965.

Read COVID-19 vaccination FAQs, including more information on recommended vaccine types here: <https://dhhr.wv.gov/COVID-19/Pages/FAQs.aspx>

Medical Info

Start over

Click this button for a page that provides a summary of entries, clinical considerations & info links



Medical Info (Summary & Clinical Considerations)

COVID-19 Vaccination Due Date Calculator

To return to the previous page to review prior information, schedule a vaccination appointment, or add a vaccination reminder to your personal calendar, please click the browser Back button.

Summary information

- DOB = November, 15, 1958
- First Vaccine Type = Pfizer
- Number of Doses = 4
- Immunocompromised = No
- Most Recent Shot = May, 12, 2022

Date Calculated: Thu, September 1, 2022

Recommended Vaccine Type: Pfizer or Moderna

See below for vaccination schedule table type of COVID-19 vaccines.

Age group	Number of primary doses	Number of bivalent booster doses	Recommended bivalent booster dose	Interval between 1st and 2nd primary dose*	Interval between 2nd and 3rd primary dose	Interval between primary series and booster dose†
Moderna primary series						
6 months - 4 years	2	NA	NA	4 - 8 weeks		
5 years	2	1	Pfizer-BioNTech	4 - 8 weeks		
6 - 11 years	2	1	Moderna or Pfizer-BioNTech	4 - 8 weeks		
12 years and older	3	1	Moderna or Pfizer-BioNTech	4 - 8 weeks		
Novavax primary series						

LINKS/RESOURCES:

For graphics depicting the dosing schedule by age and vaccine type for **most people** followed by for **moderately or severely immunocompromised people**, visit here: <https://bit.ly/C19VaxScheduleGlance>

For more detailed information about the immunization schedule and dosing, go here: <https://bit.ly/C19CDCSchedDosing>

For summary clinical considerations, go here: <https://bit.ly/C19CDCSummaryConsid>

For the full Interim Clinical Considerations for Use of COVID-19 Vaccines Currently Approved or Authorized in the United States, go here: <https://bit.ly/C19cdcClinicalConsiderations>

Clinical considerations for COVID-19 vaccination for those with current or prior SARS-CoV-2 infection: <https://bit.ly/C19VaxDuringAfterInfection>

Read COVID-19 vaccination FAQs in WV here: <https://bit.ly/C19VaxFAQ>

For more information about COVID-19 shots in West Virginia, visit <https://vaccinate.wv.gov>

VACCINE ADMINISTRATION ERROR PREVENTION:

Find tips for COVID-19 vaccine error prevention in WV and reporting requirements here: <https://bit.ly/C19ErrorPrevent>

Find FDA Wall Charts for Moderna and Pfizer to print and hang near your vaccine storage/handling below.

Moderna Wall Charts (scroll down to click on Wall Chart, after Fact Sheets): <https://bit.ly/C19ModernaFactSheets>

Pfizer Wall Charts (scroll down to click on Wall Chart, after Facts Sheets): <https://bit.ly/C19PfizerFactsWallCharts>

FDA FACT SHEETS:





Embed the CVDD Calculator on your organization's website!

Email jic@wv.gov or use the link below for instructions



<https://bit.ly/WVCVDDCalcPartnerResources>

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#CommunityImmunityWV



EUA Fact Sheets



The Fact Sheets for Healthcare Providers and Recipients/Caregivers for **Pfizer BioNTech Ages 5-11 years** (Orange cap) Omicron Boosters:

<https://www.fda.gov/media/162250/download>



The Fact Sheets for Healthcare Providers and Recipients/Caregivers for **Moderna Ages 6 years and Older** (Grey cap) Omicron Boosters:

<https://www.fda.gov/media/159310/download>

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Pfizer: <https://www.fda.gov/emergency-preparedness-and-response/coronavirus-disease-2019-covid-19/comirnaty-and-pfizer-biontech-covid-19-vaccine>

Moderna: <https://www.fda.gov/emergency-preparedness-and-response/coronavirus-disease-2019-covid-19/spikevax-and-moderna-covid-19-vaccine>



Questions?



Krista Capehart, PharmD, MS, BCACP, FAPhA

Krista.d.Capehart@wv.gov



Lisa M. Costello, MD, MPH, FAAP

lmcostello@hsc.wvu.edu



Julia Daisy Fraustino, PhD

jdfraustino@mail.wvu.edu / jic@wv.gov



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