



January 5, 2022

# New Year, New Updates on COVID-19 Vaccination

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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

- **January Updates to the COVID-19 Vaccination Program**
  - Emergency Use Authorization & General Overview
  - Eligibility & Recommendations
  - Storage, Handling, Dosing Highlights
    - Moderna Omicron (Bivalent) *Boosters* for ages 6 months through 5 years
    - Pfizer Omicron (Bivalent) *Primary Series Shot* for ages 6 months through 4 years
  - Additional Clinical Considerations
- **Data-Driven Communication**
  - Social & Behavioral Science Insights
  - Communication Resources



# + Reminder: Fall 2022 Booster “Reset”

✓ Change from dose counting to **1 bivalent booster for all eligible**

✓ If eligible, an Omicron (bivalent) booster should not be denied based on total number of doses

Vaccination history	→	Next dose
Primary series	At least 2 months →	1 bivalent booster dose
Primary series + 1 booster	At least 2 months →	1 bivalent booster dose
Primary series + 2 booster	At least 2 months →	1 bivalent booster dose

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





# Updated Omicron COVID-19 vaccines for ages 6 months through 4 or 5 years

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

 This updated vaccine helps the immune system restore protection that may have waned since previous vaccination by **targeting common Omicron variants**.



# Two new EUAs for ages 6+ months



The FDA authorized and CDC recommended a **Moderna COVID-19 Omicron (bivalent)** updated vaccine as a single booster only for ages 6 months through 5 years who completed the Moderna primary series at least 2 months prior.



The FDA authorized and CDC recommended **Pfizer-BioNtech COVID-19 Omicron (bivalent)** updated vaccine as the third dose in the 3-dose primary series only for those ages 6 months through 4 years.

There is no Pfizer booster authorized for ages 6 months through 4 years, including for those who completed the 3-dose primary series.

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# EUA Fact Sheets



The Fact Sheets for healthcare providers for **Moderna Omicron (bivalent) updated COVID-19 vaccines** ages 6 months through 5 years :

<https://www.fda.gov/media/163785/download>



The Fact Sheets for healthcare providers for **Pfizer BioNTech Omicron (bivalent) updated COVID-19 vaccines** ages 6 months through 4 years:

<https://www.fda.gov/media/159312/download>

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

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



# + 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.**





# Omicron (Bivalent) Updated COVID-19 Vaccine Highlights

Eligibility & Recommendations for Ages 6+ Months

Moderna  
Pfizer

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# Moderna

Omicron (Bivalent) Booster for Ages 6 Months through 5 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- $\mu$ 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>

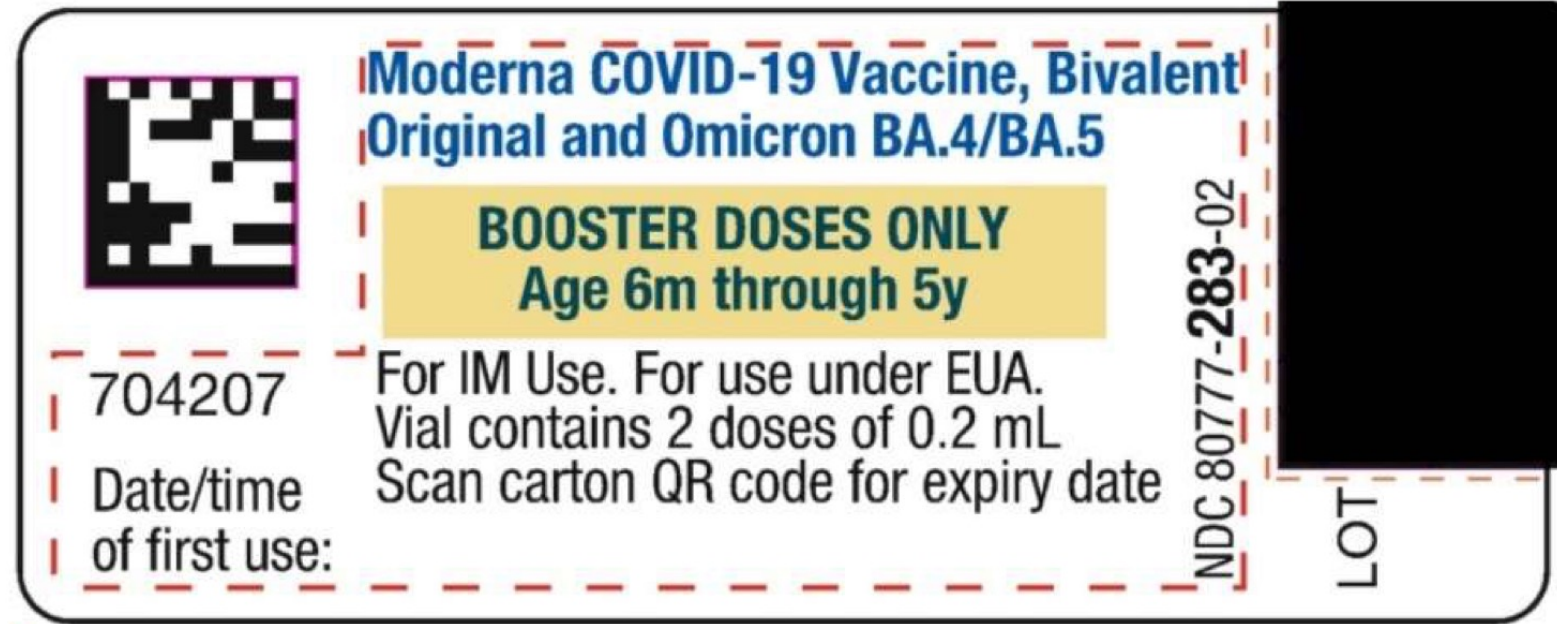


# + Moderna Vaccination (Primary Series and Booster) for Ages 6 months through 5 years

Moderna								
Age indication	Vaccine composition	Vaccine vial cap color	Label border color	Dilution required	Primary series		Booster doses	
					Dose	Injection volume	Dose	Injection volume
6 months–5 years	Monovalent	Dark blue	Magenta	No	25 $\mu$ g	0.25 mL	NA	NA
6 months–5 years	Bivalent*	Dark pink	Yellow	No	NA	NA	10 $\mu$ g	0.2 mL







**Moderna COVID-19 Vaccine, Bivalent  
Original and Omicron BA.4/BA.5**

**BOOSTER DOSES ONLY  
Age 6m through 5y**

704207

Date/time  
of first use:

For IM Use. For use under EUA.  
Vial contains 2 doses of 0.2 mL  
Scan carton QR code for expiry date

NDC 80777-283-02

LOT



# Moderna Omicron (Bivalent) Vaccines for ages 6 months through 5 years

- ✓ Supplied in a multiple-dose vial – Note: these are **2-dose vials**
- ✓ Vial has a dark pink cap, and a label with a yellow box
- ✓ Administered as a single booster dose at least 2 months after completion of the Moderna primary series
  - Authorized as **booster dose only** at this time. Primary series remains original (monovalent) at this time.
- ✓ As with other Moderna products, do **not** dilute
- ✓ For 6 months through 5 years of age, a **single booster dose is 0.2 mL.**
- ✓ This vial should **not be used for those ages 6+ years** because of the potential for vaccine administration errors, including dosing errors.  
No mix-and-match (Moderna primary series, Moderna booster only)

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# + Moderna (Omicron bivalent, ages 6m-5y)

	Moderna Bivalent
Authorized for Ages	6 months through 5 years
Vial cap color	Dark Pink
Label Color	Yellow Box
Vaccine composition	Omicron original; omicron BA.4/BA.5
Injection volume	0.2mL
Dilution required	No
Storage	<ul style="list-style-type: none"><li>• <b>Store frozen</b> between -50°C to -15°C (-58°F to 5°F).</li><li>• <b>Storage at 2°C to 8°C (36°F to 46°F):</b> Vials may be stored refrigerated between 2°C to 8°C (36°F to 46°F) for up to <b>30 days</b> prior to first use, provided the expiration date is not exceeded. Vials should be discarded <b>8 hours</b> after the first puncture.</li><li>• <b>Storage at 8°C to 25°C (46°F to 77°F):</b> Vials may be stored between 8°C to 25°C (46°F to 77°F) for a total of <b>24 hours</b>. Vials should be discarded <b>8 hours</b> after the first puncture. Total storage at 8°C to 25°C (46°F to 77°F) must not exceed <b>24 hours</b>.</li></ul>

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<https://www.fda.gov/media/163785/download>








# Pfizer-BioNTech

Omicron (Bivalent) Primary Series Vaccine  
for Ages 6 Months through 4 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- $\mu$ 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 Vaccination (Primary Series only) for ages 6 months through 4 years

Pfizer-BioNTech								
Age indication	Vaccine composition	Vaccine vial cap color	Label border color	Dilution required	Primary series		Booster doses	
					Dose	Injection volume	Dose	Injection volume
6 months–4 years	Monovalent (Use for 1st and 2nd Dose)*	Maroon	Maroon	Yes	Doses 1 and 2: 3 µg/0.2 m		A booster dose is not authorized for children who received a 3-dose primary series regardless which vaccine (monovalent or bivalent) was administered for Dose 3.	
6 months–4 years	Bivalent (Use for 3rd Dose)	Maroon	Maroon	Yes	Dose 3: 3 µg/0.2 mL			

<https://www.cdc.gov/vaccines/covid-19/downloads/summary-interim-clinical-considerations.pdf>

**Pfizer-BioNTech COVID-19 Vaccine and Pfizer-BioNTech COVID-19 Vaccine, Bivalent are authorized for use in individuals 6 months through 4 years of age to provide a 3-dose primary series as follows:**

**Dose 1: Pfizer-BioNTech COVID-19 Vaccine**

**Dose 2: Pfizer-BioNTech COVID-19 Vaccine**

**Dose 3: Pfizer-BioNTech COVID-19 Vaccine, Bivalent**



# Pfizer Omicron (Bivalent) Vaccines for ages 6 months through 4 years

- ✓ Supplied in a multiple-dose vial with maroon cap, label with a maroon border
- ✓ Administered as the third dose in the 3-dose Pfizer primary series only for ages 6 months through 4 years, at least 8 weeks after Dose 2 (original, monovalent)
  - **No Pfizer booster** authorized for ages 6 months through 4 years at this time.
- ✓ For 6 months through 4 years of age, a **third primary series dose is 0.2 mL.**
- ✓ This vial should **not be used for those ages 5+ years** because of the potential for vaccine administration errors, including dosing errors.
- ✓ **MUST** dilute the vial contents using 2.2 mL of sterile 0.9% Sodium Chloride Injection, USP. **After** dilution, 1 vial contains 10 doses of 0.2 mL.
- ✓ No mix-and-match (Pfizer for all 3 doses only)





# Pfizer-BioNTech COVID-19 Vaccines, 6m-4y

	<b>Pfizer Bivalent</b>
Authorized for ages	6 months through 4 years
Authorized for doses	Dose 3 of the 3-dose <b>primary series</b>
Vial cap color	Maroon
Vial label border color	Maroon
Dose & injection volume	3 µg/0.2 mL
Dilution required	YES
Storage	Ultra-cold freezer until expiration (up to 18 weeks after manufacture); Refrigeration (2°C to 8°C) up to 10 weeks. Once vials are thawed, they should not be refrozen.

<b>Age Range</b>	<b>Dilution Information</b>	<b>Doses Per Vial After Dilution</b>	<b>Dose Volume</b>
6 months through 4 years*	Dilute with 2.2 mL sterile 0.9% Sodium Chloride Injection, USP prior to use	10	0.2 mL

\* The Pfizer-BioNTech COVID-19 Vaccine vial labels may state “Age 2y to < 5y” or “Age 6m to < 5y” and carton labels may state “For age 2 years to < 5 years” or “For age 6 months to < 5 years”. Vials with either printed age range can be used for individuals 6 months through 4 years of age.

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<https://www.fda.gov/media/159312/download>







# COVID-19 Vaccine, Bivalent Omicron Booster Additional Clinical Considerations for ages 6 months through 4 or 5 years

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# Moderna Age Transitions (turning 5-6 years during primary series)

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## Children who turn from age 5 to age 6 years

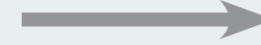


**Recommended:** Children who started a primary series and turned from age 5 to age 6 years before completion of the series should receive:

**Dose 1 (Age 5):**  
0.25 mL (25 mcg) of the monovalent product authorized for children ages 6 months–5 years (dark blue cap/magenta label border)



4-8 weeks



Child turns 6

**Dose 2 (Age 6):**  
0.50 mL (50 mcg) of the monovalent product authorized for children ages 6–11 years (dark blue cap/purple label border)



**Acceptable:** If the following dosing occurs, it is NOT considered an error and the primary series is considered complete.

**Either dose may be:**

- 0.25 mL (25 mcg) of the monovalent product authorized for children ages 6 months–5 years (dark blue cap/magenta label border), or
- 0.50 mL (50 mcg) of the monovalent product authorized for children ages 6–11 years (dark blue cap/purple label border)

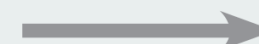
**Dose 1: Age 5**



OR



4-8 weeks



**Dose 2: Age 6**



OR



**Note:** Vial icons with an "M" indicate monovalent vaccine and those with a "B" indicate bivalent vaccine.



# Pfizer Age Transitions (turning 4-5 years during primary series)

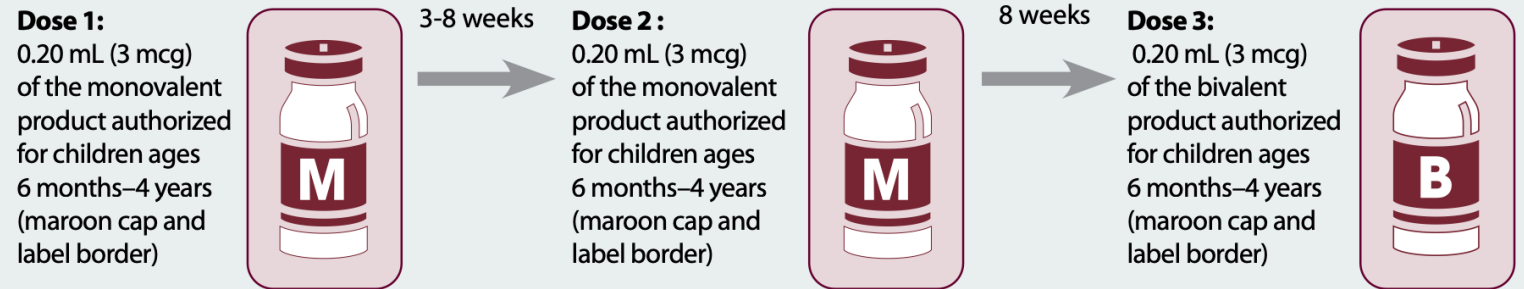
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## Children who turn from age 4 to age 5 years

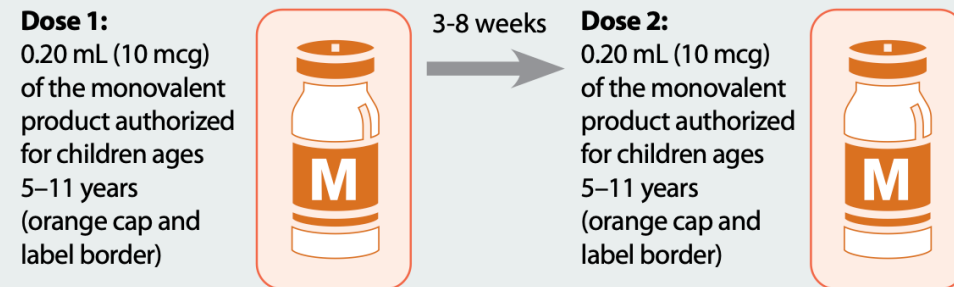
✓ **Authorized:** Children who turn from age 4 years to 5 years between any doses in the primary series should receive either:

- A 3-dose primary series using the:
  - Monovalent Pfizer-BioNTech COVID-19 Vaccine product authorized for children ages 6 months–4 years (maroon cap and label border) for doses 1 and 2 and
  - Bivalent Pfizer-BioNTech COVID-19 Vaccine product authorized for children ages 6 months–4 years (maroon cap and label border) for dose 3



Or

- A 2-dose primary series using the monovalent Pfizer-BioNTech COVID-19 Vaccine product authorized for children ages 5–11 years (orange cap and label border)



**Note:** Vial icons with an "M" indicate monovalent vaccine and those with a "B" indicate bivalent vaccine.



# 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

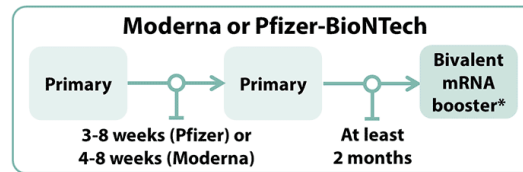
### People ages 6 months through 4 years



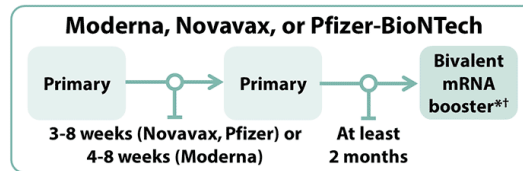
### People age 5 years



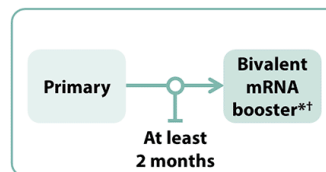
### People ages 6 through 11 years



### People ages 12 years and older



### People ages 18 years and older who previously received Janssen primary series dose<sup>‡</sup>



\*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.

† A monovalent Novavax booster dose may be used in limited situations in people ages 18 years and older who completed a primary series using any COVID-19 vaccine, have not received any previous booster dose(s), and are unable or unwilling to receive an mRNA vaccine. The monovalent Novavax booster dose is administered at least 6 months after completion of a primary series.

‡ 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>



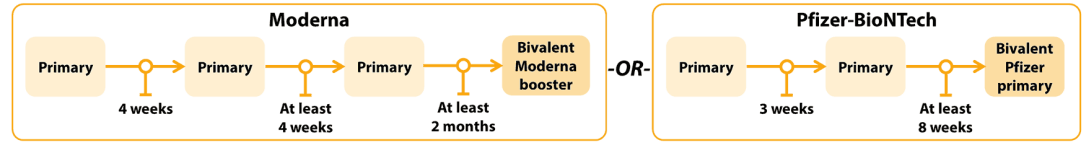
# Summary of COVID-19 Vaccine Schedule for Moderately to Severely Immunocompromised People

<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

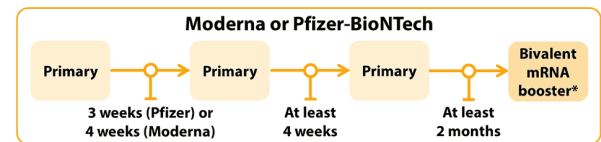
### People ages 6 months through 4 years



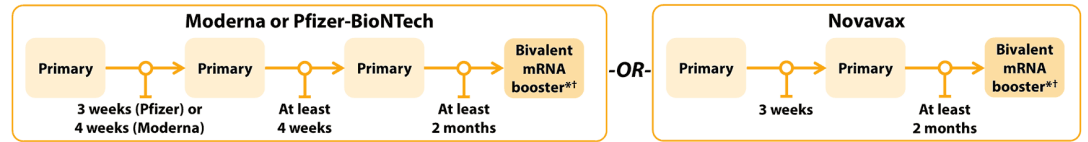
### People age 5 years



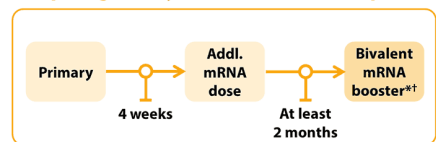
### People ages 6 through 11 years



### People ages 12 years and older

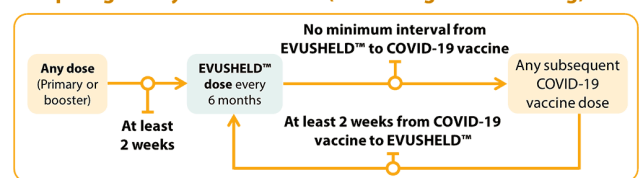


### People ages 18 years and older who previously received Janssen primary series dose\*



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

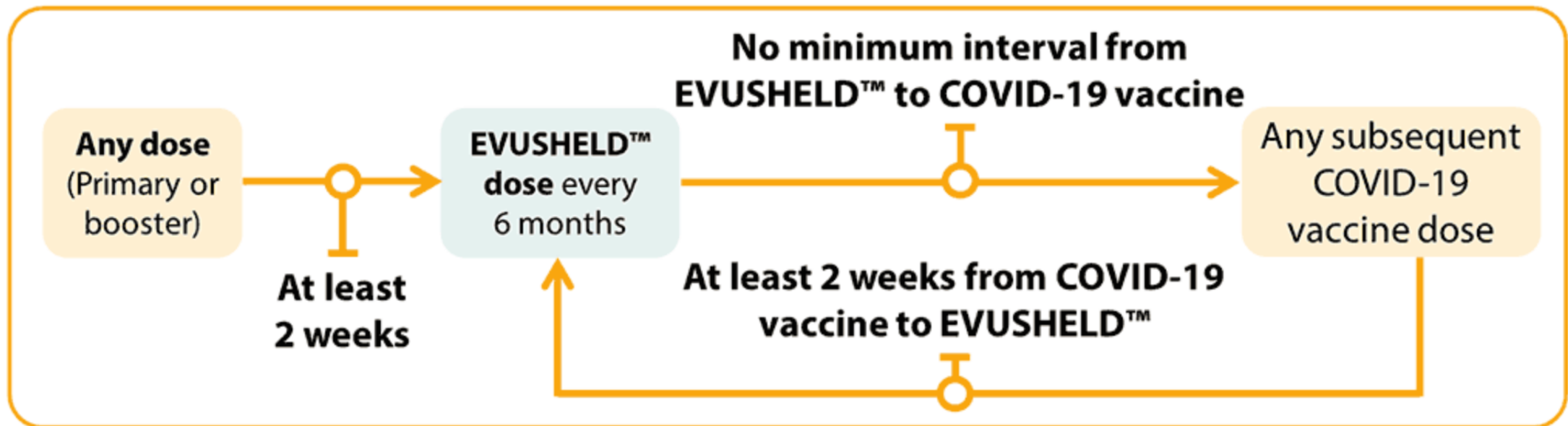
### People ages 12 years and older (must weigh at least 40kg)



\*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.  
†A monovalent Novavax booster dose may be used in limited situations in people ages 18 years and older who completed a primary series using any COVID-19 vaccine, have not received any previous booster dose(s), and are unable or unwilling to receive an mRNA vaccine. The monovalent Novavax booster dose is administered at least 6 months after completion of a primary series.  
‡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

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



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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>



# Additional Considerations



## Coadministration

- Routine administration of all age-appropriate doses of vaccines **simultaneously** is recommended as CDC **best practice**.
- **Offer influenza and COVID-19 vaccines at same visit** for those eligible.
- Additional considerations for orthopoxvirus (Monkeypox) vaccine.



## Current/Prior SARS-CoV-2 Infection

- Defer any COVID-19 vaccination at least until recovery from the acute illness and criteria to discontinue isolation have been met.
- People who **recently** had SARS-CoV-2 infection **may** consider delaying COVID-19 vaccination **by 3 months** from symptom onset or positive test (if infection was asymptomatic). **Consider individual factors/risk.**

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<https://www.cdc.gov/vaccines/hcp/acip-recs/general-recs/index.htm>



# 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

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<https://bit.ly/C19cdcClinicalConsiderations>





# 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](https://vaers.hhs.gov)** and  
call the WV COVID-19 Hotline  
**1-800-887-4304**





# 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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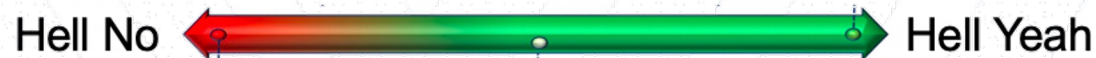
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Based on WV statewide data from WVU PIC Lab – contact [jdfraustino@mail.wvu.edu](mailto:jdfraustino@mail.wvu.edu)



# + WV Omicron Booster Intentions Prior to EUA (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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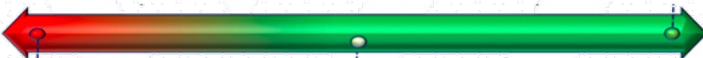
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# + WV Omicron Booster Intentions Prior to EUA

(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%

Hell No  Hell Yeah

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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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# + Public Understanding: Benefits & Limitations of Vaccination

- Qualitative data have continued to show a pressing gap in understanding the benefits & limitations of COVID-19 vaccination, contributing to apathy and decreased trust:
  - Misbelief that COVID-19 vaccines are “supposed to keep you from getting COVID”
- Please consider sharing this message:
  - **COVID-19 vaccination makes it less likely for you to get really sick, need to stay in the hospital, or die from COVID, even if you do test positive for the virus.**



# 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

VACCINATE.WV.GOV  
#CommunityImmunityWV



## Step 1

Download the Assets



Download Image

## Step 2

Copy the Text

COVID-19 shots are now available for children 6 months of age and up! Vaccination is the best way to keep kids from getting very sick from COVID-19. To get vaccinated, check with your child's healthcare provider, health department, or a local pharmacy (pharmacies can vaccinate ages 3 and older). For more info, visit [vaccinate.wv.gov](http://vaccinate.wv.gov) or call the WV COVID-19 Vaccine Info Line: 1-833-734-0965. #CommunityImmunityWV

Copy Text

## Step 3

Login to [Facebook](#) and post using the assets and text!

### Want to post later?

Email this content to your mobile device to download & post. Recommended for iOS.

SEND

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

Return to SPK

# Messaging Kit: Graphics & Customizable Captions



Many available  
in Spanish



[bit.ly/C19WVMessagingKit](https://bit.ly/C19WVMessagingKit)



# 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 December 11, 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** if you get the virus. 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](https://www.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](https://www.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 December 12, 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](https://www.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**, some children ages 6 months to 5 years and most 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).

Eligibility for Omicron (bivalent) updated COVID-19 vaccines can vary based on age and vaccine type (Pfizer or Moderna). Talk to a healthcare provider to learn more.

- For more COVID-19 vaccine eligibility information, visit: <https://bit.ly/C19Vax4SpecificPpl>
- For more on staying up-to-date on COVID-19 vaccination, visit: <https://bit.ly/COVID19vaxBooster>

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

p.1



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



# Frequently Asked Questions

[bit.ly/C19WVMessagingKit](https://bit.ly/C19WVMessagingKit)





Order posters, FAQs, lanyards/holders/buttons: [covidvaxwv.org/order](https://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](https://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](https://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 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.

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Learn more: [vaccinate.wv.gov](https://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](https://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](https://vaccinate.wv.gov)  
 WV COVID-19 Hotline: 1-800-887-4304

**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:



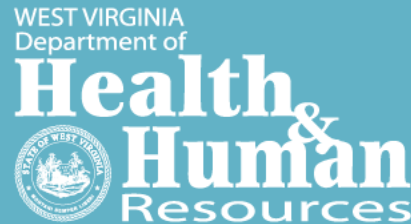
If an error occurs: report on [www.hhs.gov](https://www.hhs.gov) and call the WV COVID-19 Hotline 1-800-887-4304



# COVID-19 VACCINATION

## Due Date Calculator

*Available online at*  
**[vaccinate.wv.gov](https://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 Dec 9, 2022.*

Next



# 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,
- 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. At the end of the tool, you will receive additional information about what type of vaccines are recommended for you.

This is meant as an individual education tool and not to replace licensure. **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 Fri, Dec 9, 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.

Previous

Next



# 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?

2

Previous

Next

## Previous COVID-19 Shots (if any)



# Step 3: Make Selections

- FIRST COVID-19 Vaccine Type

## COVID-19 Vaccination Due Date Calculator

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

✓ Pfizer

Moderna

Unsure

Other (such as outside of the U.S.)

Previous

Next



# 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** COVID-19 Omicron primary shot ("bivalent"\*) on or after **Fri, December 9, 2022**  ←

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

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.

Personal  
Calendar  
Reminder

**Schedule  
Vaccination**

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, 3, 2019
- First Vaccine Type = Pfizer
- Number of Doses = 2
- Immunocompromised = No
- Most Recent Shot = October, 12, 2022

Date Calculated: Fri, December 9, 2022

Recommended Vaccine Type: Bivalent Pfizer primary

See below for vaccination schedule table and links relevant to clinical considerations used to determine the due date and type of COVID-19 vaccines.





**Embed the CVDD Calculator on your organization's website!**

Email [jic@wv.gov](mailto:jic@wv.gov) or use the link below for instructions



<https://bit.ly/WVCVDDCalcPartnerResources>

VACCINATE.WV.GOV  
#CommunityImmunityWV



# Questions?



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**WV COVID-19 Hotline 1-800-887-4304**

VACCINATE.WV.GOV

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