

COVID-19 Vaccine Update

Webinar 7

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WEBINAR

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 - We will do our best to answer all questions before the end of the webinar.
- If you have a question after the webinar, please email Allie Staton.
 - allie@immunizear.org

OBJECTIVES

At the end of this webinar, learners will be able to:

- Interpret current COVID-19 vaccine guidelines.
- Recommend appropriate vaccines to patients and community members.
- Discuss current COVID-19 vaccine guidelines and recommendations.

TOPICS

- Review updated pediatric COVID-19 vaccine recommendations
 - Focus on updated recommendations for:
 - Ages 6 months thru 4 years
 - Ages 5 years
 - Ages 6 years thru 11 years

CDC INTERIM CLINICAL CONSIDERATIONS FOR COVID-19 VACCINES

COVID-19 vaccine recommendations are based on:

- Age
- Health Status
 - Healthy versus Immunocompromised
- Previous doses of COVID-19 vaccines

Recommendations for use of COVID-19 vaccines are published on the CDC's website.

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

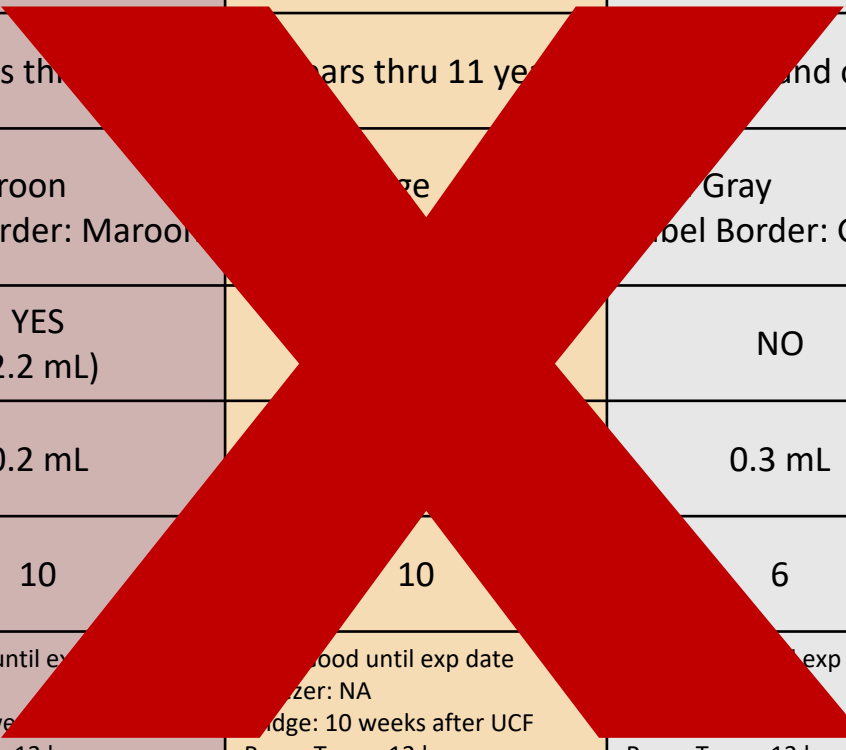
CURRENTLY AVAILABLE PRODUCTS

COVID-19 VACCINE PRODUCT REVIEW

Pfizer	Moderna	Janssen / J&J	Novavax
mRNA	mRNA	Adenovirus Vector	Protein Subunit
6 months and older	6 months and older	18 years and older	12 years and older
<p><u>Products</u></p> <p>Monovalent:</p> <ul style="list-style-type: none"> - 6 months thru 4 years - 5 years thru 11 years - 12 years and older <p>Bivalent:</p> <ul style="list-style-type: none"> - 6 months thru 4 years - 5 years thru 11 years - 12 years and older 	<p><u>Products</u></p> <p>Monovalent:</p> <ul style="list-style-type: none"> - 6 months thru 5 years - 6 years thru 11 years - 12 years and older <p>Bivalent:</p> <ul style="list-style-type: none"> - 6 months thru 5 years - 6 months and older 	<p><u>Products</u></p> <p>Monovalent:</p> <ul style="list-style-type: none"> - 18 years and older 	<p><u>Products</u></p> <p>Monovalent:</p> <ul style="list-style-type: none"> - 12 years and older

PFIZER / BIONTECH

	Pfizer Monovalent			Pfizer Bivalent		
	Pfizer Primary Series	Pfizer Primary Series	Pfizer Primary Series	Pfizer Bivalent Primary Series (3 rd dose only)	Pfizer Bivalent Booster	Pfizer Bivalent Booster
Age Group	6 months thru 4 years	5 years thru 11 years	12 years and older	6 months thru 4 years	5 years thru 11 years	12 years and older
Vial Cap and Label color	Cap: Maroon Label Border: Maroon	Cap: Orange Label Border: Orange	Cap: Gray Label Border: Gray	Cap: Maroon Label Border: Maroon	Cap: Orange Label Border: Orange	Cap: Gray Label Border: Gray
Dilution?	YES (2.2 mL)	YES (2.2 mL)	NO	YES (2.2 mL)	YES (1.3 mL)	NO
Dose Volume	0.2 mL	0.2 mL	0.3 mL	0.2 mL	0.2 mL	0.3 mL
Doses per Vial	10	10	6	10	10	6
Expiration	UCF: Good until exp date Freezer: NA Fridge: 10 weeks after UCF Room Temp: 12 hours After Puncture: 12 hours	UCF: Good until exp date Freezer: NA Fridge: 10 weeks after UCF Room Temp: 12 hours After Puncture: 12 hours	UCF: Good until exp date Freezer: NA Fridge: 10 weeks after UCF Room Temp: 12 hours After Puncture: 12 hours	UCF: Good until exp date Freezer: NA Fridge: 10 weeks after UCF Room Temp: 12 hours After Puncture: 12 hours	UCF: Good until exp date Freezer: NA Fridge: 10 weeks after UCF Room Temp: 12 hours After Puncture: 12 hours	UCF: Good until exp date Freezer: NA Fridge: 10 weeks after UCF Room Temp: 12 hours After Puncture: 12 hours



Disclaimer: The information in this chart is subject to change. Please see current Fact Sheets for Healthcare Providers for updated information.

PFIZER / BIONTECH

	Pfizer Bivalent		
	Pfizer Bivalent	Pfizer Bivalent	Pfizer Bivalent
Age Group	6 months thru 4 years	5 years thru 11 years	12 years and older
Vial Cap and Label color	Cap: Maroon Label Border: Maroon	Cap: Orange Label Border: Orange	Cap: Gray Label Border: Gray
Dilution?	YES (2.2 mL)	YES (1.3 mL)	NO
Dose Volume	0.2 mL	0.2 mL	0.3 mL
Doses per Vial	10	10	1 or 6
Expiration	UCF: Good until exp date Freezer: NA Fridge: 10 weeks after UCF Room Temp: 12 hours After Puncture: 12 hours	UCF: Good until exp date Freezer: NA Fridge: 10 weeks after UCF Room Temp: 12 hours After Puncture: 12 hours	UCF: Good until exp date Freezer: NA Fridge: 10 weeks after UCF Room Temp: 12 hours After Puncture: 12 hours

Disclaimer: The information in this chart is subject to change. Please see current Fact Sheets for Healthcare Providers for updated information.

MODERNA

	Moderna Monovalent			Moderna Bivalent	
	Moderna Primary Series	Moderna Primary Series	Moderna Primary Series	Moderna Bivalent Booster	Moderna Bivalent Booster
Age Group	6 months thru 5 years	6 years thru 11 years	12 years and older	6 months thru 5 years	6 years and older
Vial Cap and Label color	Cap: Blue Label Border: Magenta	Cap: Blue Label Border: Magenta	Cap: Red Label Border: Blue	Cap: Dark Pink Label Border: Yellow	Cap: Blue Label Border: Gray
Dilution?	NO	NO	NO	NO	NO
Dose Volume	0.25 mL	0.25 mL	0.5 mL	0.2 mL	6 – 11 years: 0.25 mL 12 years and older: 0.5 mL
Doses per Vial	10	5	11	2	5
Expiration	UCF: NA Freezer: Good until exp date Fridge: 30 days after freezer Room Temp: 24 hours (total) After Puncture: 12 hours	UCF: NA Freezer: Good until exp date Fridge: 30 days after freezer Room Temp: 24 hours (total) After Puncture: 12 hours	UCF: NA Freezer: Good until exp date Fridge: 30 days after freezer Room Temp: 24 hours (total) After Puncture: 12 hours	UCF: NA Freezer: Good until exp date Fridge: 30 days after freezer Room Temp: 24 hours (total) After Puncture: 8 hours	UCF: NA Freezer: Good until exp date Fridge: 30 days after freezer Room Temp: 24 hours (total) After Puncture: 12 hours

Disclaimer: The information in this chart is subject to change. Please see current Fact Sheets for Healthcare Providers for updated information.

MODERNA

	Moderna Bivalent	
	Moderna Bivalent	Moderna Bivalent
Age Group	6 months thru 5 years	6 months and older
Vial Cap and Label color	Cap: Dark Pink Label Border: Yellow	Cap: Blue Label Border: Gray
Dilution?	NO	NO
Dose Volume	0.2 mL	6 months – 11 years: 0.25 mL 12 years and older: 0.5 mL
Doses per Vial	2	5 to 10 (depends on dose volume)
Expiration	UCF: NA Freezer: Good until exp date Fridge: 30 days after freezer Room Temp: 24 hours (total) After Puncture: 8 hours	UCF: NA Freezer: Good until exp date Fridge: 30 days after freezer Room Temp: 24 hours (total) After Puncture: 12 hours

The cartons and labels for both of these products say “BOOSTER DOSES ONLY”.

Ignore that...

Always follow EUAs instead of labels on products for COVID-19 vaccines.

CURRENT RECOMMENDATIONS
AGES 6 MONTHS – 11 YEARS

When Are You Up to Date?

Children aged 6 months—5 years who got the Pfizer-BioNTech COVID-19 vaccine

You are up to date if you are:

- Aged 6 Months—4 years and you get 3 COVID-19 vaccine doses, including at least 1 updated COVID-19 dose.
- Aged 5 years and you get at least 1 updated COVID-19 vaccine dose.

Children aged 6 months—5 years who got the Moderna COVID-19 vaccine

You are up to date when you get 2 Moderna COVID-19 vaccine doses, including at least 1 updated COVID-19 vaccine dose.

Everyone aged 6 years and older

You are up to date when you get 1 updated Pfizer-BioNTech or Moderna COVID-19 vaccine.

People who are unable or choose not to get a recommended mRNA vaccine

You are up to date when you get the Novavax COVID-19 vaccine doses approved for your age group.

UPDATES

- Monovalent mRNA vaccines are no longer authorized for use.
- CDC recommends that people ages 6 months and older receive at least 1 bivalent mRNA vaccine.
- The number of recommended/authorized bivalent doses varies by:
 - Age
 - Vaccine product
 - Previous COVID-19 vaccines received
 - "Healthy" or "Moderately to Severely Immunocompromised"

UPDATES

For people who are not moderately or severely immunocompromised:

- At the time of initial vaccination (depending on vaccine product):
 - Children ages 6 months thru 4 years are recommended to receive 2 or 3 bivalent mRNA vaccine doses.
 - Children ages 5 years are recommended to receive 1 or 2 bivalent mRNA vaccine doses.
- People ages 6 years and older who are unvaccinated or previously received only monovalent vaccine doses are recommended to receive 1 bivalent mRNA vaccine dose.

For people who are moderately to severely immunocompromised:


- At the time of initial vaccination:
 - People ages 6 months and older are recommended to receive 3 bivalent mRNA vaccine doses.
- People ages **6 months** and older who previously received only monovalent doses are recommended to receive 1 or 2 bivalent mRNA vaccine doses, depending on age and vaccine product.
 - 3 or more total vaccine doses recommended, with at least 1 dose being bivalent.
- People who previously received a bivalent mRNA vaccine dose(s) have the option to receive 1 or more additional bivalent mRNA vaccine doses.

UPDATES

- Everyone ages 6 months and older is eligible for at least one dose of bivalent mRNA vaccine.
 - Most people who have already received one dose of a bivalent mRNA vaccine are not eligible for another dose of bivalent.
- People ages 65 and older are eligible for a second dose of a bivalent mRNA vaccine.
 - Must be at least 4 months after first dose of bivalent.
- Immunocompromised people ages 6 months and older are eligible for additional doses of a bivalent mRNA vaccine.
 - Must be at least 2 months after first dose of bivalent.
- Unvaccinated people ages 6 years and older may receive one dose of a bivalent mRNA vaccine.
 - This is considered a complete “primary series”.
- If someone ages 6 years and older received one dose of a monovalent mRNA vaccine...
 - Must wait 8 weeks, then eligible to receive one dose of a bivalent mRNA vaccine to complete their primary series.

CURRENT RECOMMENDATIONS
(HEALTHY)

COVID-19 vaccination guidance for people who are not moderately or severely immunocompromised

The COVID-19 vaccination schedule for people who are not moderately or severely immunocompromised is summarized in [Table 1](#); see also [COVID-19 Vaccination Recommendations Infographic](#) .

The schedule is organized by age and COVID-19 vaccination history. It provides the number of bivalent mRNA vaccine doses an individual needs based on COVID-19 vaccine doses previously received, including the number of prior doses, whether the doses were monovalent or bivalent, and the vaccine manufacturer (Moderna, Novavax, or Pfizer-BioNTech).

Most people ages 6 years and older who are not moderately or severely immunocompromised and have received 1 dose of a bivalent mRNA vaccine do not need any further vaccine doses at this time. People ages 65 years and older who received 1 dose of a bivalent vaccine have the option to receive 1 additional dose at least 4 months after the first bivalent dose.

Table 1. Recommended COVID-19 vaccination schedule for people who are not moderately or severely immunocompromised by COVID-19 vaccination history, May 2023

Ages 6 months–4 years

COVID-19 vaccination history	Bivalent vaccine	Number of bivalent doses indicated	Dosage (mL/ug)	Vaccine vial cap and label colors	Interval between doses
Unvaccinated	Moderna — or —	2	0.25 mL/25 ug	Dark blue cap; gray label border	Dose 1 and Dose 2: 4–8 weeks*
	Pfizer BioNTech†	3	0.2 mL/3 ug	Maroon	Dose 1 and Dose 2: 3–8 weeks* Dose 2 and dose 3: At least 8 weeks
1 dose monovalent Moderna	Moderna	1	0.25 mL/25 ug	Dark blue cap; gray label border	4-8 weeks after monovalent dose*
2 doses monovalent Moderna	Moderna	1	0.2 mL/10 ug	Dark pink cap; yellow label border	At least 8 weeks after last monovalent dose
2 doses monovalent Moderna and 1 dose bivalent Moderna	NA; previously received 1 bivalent vaccine dose	NA	NA	NA	NA
1 dose monovalent Pfizer-BioNTech	Pfizer BioNTech†	2	0.2 mL/3 ug	Maroon	Dose 1: 3–8 weeks after monovalent dose* Dose 1 and Dose 2: At least 8 weeks
2 doses monovalent Pfizer-BioNTech	Pfizer BioNTech	1	0.2 mL/3 ug	Maroon	At least 8 weeks after last monovalent dose
3 doses monovalent Pfizer-BioNTech	Pfizer BioNTech	1	0.2 mL/3 ug	Maroon	At least 8 weeks after last monovalent dose
2 doses monovalent Pfizer-BioNTech and 1 dose bivalent Pfizer-BioNTech	NA; previously received 1 bivalent vaccine dose	NA	NA	NA	NA

COVID-19 Vaccine Recommendations

Healthy Children and Adolescents: Ages 6 months through 4 years

Date: April 19, 2023



Ages: 6 months thru 4 years								
	COVID-19 Vaccine History							
Pfizer Cap: Maroon Age: 6 mo – 4 years	Unvaccinated		Pfizer Bivalent: 0.2 mL	Wait 3 – 8 weeks	Pfizer Bivalent: 0.2 mL	Wait 8 weeks	Pfizer Bivalent: 0.2 mL	
			<i>OR</i>					
			Moderna Bivalent: 0.25 mL	Wait 4 – 8 weeks	Moderna Bivalent: 0.25 mL			
Moderna Cap: Dark Blue Label: Gray Age: 6 mo and older OR Cap: Dark Pink Label: Yellow Age: 6 mo – 5 years	1 dose monovalent Pfizer	Wait 3 – 8 weeks	Pfizer Bivalent: 0.2 mL	Wait 8 weeks	Pfizer Bivalent: 0.2 mL			
	2 doses monovalent Pfizer	Wait 8 weeks	Pfizer Bivalent: 0.2 mL					
	3 doses monovalent Pfizer	Wait 8 weeks	Pfizer Bivalent: 0.2 mL					
	2 doses monovalent Pfizer and 1 dose <i>bivalent</i> Pfizer		NA					
	1 dose monovalent Moderna	Wait 4 – 8 weeks	Moderna Bivalent: 0.25 mL					
	2 doses monovalent Moderna	Wait 8 weeks	Moderna Bivalent: 0.2 mL					
	2 doses monovalent Moderna and 1 dose <i>bivalent</i> Moderna		NA					

NA = not authorized

Previous Uses:

Pfizer Bivalent Maroon Cap → originally a 3rd dose for primary series OR a “booster” for those who completed a primary series (3 doses) with Pfizer monovalent for ages 6 months thru 4 years

Moderna Bivalent Dark Pink Cap with Yellow Label → originally a “booster” for ages 6 months thru 5 years

Moderna Bivalent Dark Blue Cap with Gray Label → originally a “booster” for ages 6 years and older

- 0.25 mL for ages 6 thru 11 years
- 0.5 mL for ages 12 years and older

COVID-19 Vaccine Recommendations

Healthy Children and Adolescents: Age 5 years

Date: April 19, 2023



Ages: 5 years							
COVID-19 Vaccine History							
Pfizer Cap: Orange Age: 5 – 11 years Moderna Cap: Dark Blue Label: Gray Age: 6 mo and older OR Cap: Dark Pink Label: Yellow Age: 6 mo – 5 years	Unvaccinated		Pfizer Bivalent: 0.2 mL				
			OR				
			Moderna Bivalent: 0.25 mL	Wait 4 – 8 weeks	Moderna Bivalent: 0.25 mL		
	1 or more doses monovalent Pfizer	Wait 8 weeks	Pfizer Bivalent: 0.2 mL				
	2 doses monovalent Pfizer and 1 dose <i>bivalent</i> Pfizer		NA				
	Ever received 1 dose <i>bivalent</i> Pfizer (regardless of monovalent vaccine history)		NA				
	1 dose monovalent Moderna	Wait 4 – 8 weeks	Moderna Bivalent: 0.25 mL				
		OR					
		Wait 8 weeks	Pfizer Bivalent: 0.2 mL				
	2 doses monovalent Moderna	Wait 8 weeks	Moderna Bivalent: 0.2 mL				
OR							
2 doses monovalent Moderna and 1 dose <i>bivalent</i> mRNA (Moderna or Pfizer)	Wait 8 weeks	Pfizer Bivalent: 0.2 mL					
	OR						
2 doses monovalent Moderna and 1 dose <i>bivalent</i> mRNA (Moderna or Pfizer)		NA					

NA = not authorized

COVID-19 Vaccine Recommendations

Healthy Children and Adolescents: Ages 6 years through 11 years

Date: April 19, 2023



Ages: 6 thru 11 years				
	COVID-19 Vaccine History			
Pfizer Cap: Orange Age: 5 – 11 years	Unvaccinated		Pfizer Bivalent: 0.2 mL OR Moderna Bivalent: 0.25 mL	
	<hr/>			
Moderna Cap: Dark Blue Label: Gray Age: 6 mo and older	1 or more doses monovalent Pfizer	Wait 8 weeks	Pfizer Bivalent: 0.2 mL OR Moderna Bivalent: 0.25 mL	
	2 or more doses monovalent Pfizer and 1 dose <i>bivalent</i> mRNA (Pfizer or Moderna)		NA	
	Ever received 1 dose <i>bivalent</i> Pfizer (regardless of monovalent vaccine history)		NA	
	<hr/>			
	1 or more doses monovalent Moderna	Wait 8 weeks	Pfizer Bivalent: 0.2 mL OR Moderna Bivalent: 0.25 mL	
	2 or more doses monovalent Moderna and 1 dose <i>bivalent</i> mRNA (Moderna or Pfizer)		NA	
	Ever received 1 dose <i>bivalent</i> Moderna (regardless of monovalent vaccine history)		NA	

NA = not authorized

COVID-19 Vaccine Recommendations

Healthy Teens and Adults: Ages 12 years and older

Date: April 19, 2023



Ages: 12 years and older						
	COVID-19 Vaccine History				ADDITIONAL DOSES (<i>optional</i>)	
Pfizer Cap: Gray Age: 12 years and older	Unvaccinated		Pfizer Bivalent: 0.3 mL OR Moderna Bivalent: 0.5 mL	Up to Date	Patients 65 years and older: Wait 4 months	Pfizer Bivalent: 0.3 mL OR Moderna Bivalent: 0.5 mL
	1 or more doses monovalent Pfizer	Wait 8 weeks	Pfizer Bivalent: 0.3 mL OR Moderna Bivalent: 0.5 mL	Up to Date	Patients 65 years and older: Wait 4 months	Pfizer Bivalent: 0.3 mL OR Moderna Bivalent: 0.5 mL
2 or more doses monovalent Pfizer and 1 dose <i>bivalent</i> mRNA (Pfizer or Moderna)		NA				
Ever received 1 dose <i>bivalent</i> Pfizer (regardless of monovalent vaccine history)		NA				
Moderna Cap: Dark Blue Label: Gray Age: 6 mo and older	1 or more doses monovalent Moderna	Wait 8 weeks	Pfizer Bivalent: 0.3 mL OR Moderna Bivalent: 0.5 mL	Up to Date	Patients 65 years and older: Wait 4 months	Pfizer Bivalent: 0.3 mL OR Moderna Bivalent: 0.5 mL
	2 or more doses monovalent Moderna and 1 dose <i>bivalent</i> mRNA (Moderna or Pfizer)		NA			
	Ever received 1 dose <i>bivalent</i> Moderna (regardless of monovalent vaccine history)		NA			

NA = not authorized

*One additional dose of bivalent mRNA vaccine for patients ages 65 and older is *optional*.

TRANSITIONING FROM YOUNGER TO OLDER AGE GROUPS

- In general, CDC recommends that people receive age-appropriate vaccine product and dosage based on their age on the day of vaccination.
- If a person moves to an older age group between vaccine doses, they should receive the vaccine product and dosage for the older age group for all subsequent doses. SEE EXCEPTIONS BELOW.

Pfizer	Moderna
Transitioning from age 4 years to 5 years	Transitioning from age 5 years to 6 years
<ul style="list-style-type: none">• Complete 3-dose series with Pfizer maroon cap product• 0.2 mL dose	<ul style="list-style-type: none">• Should receive 2 doses Moderna blue cap product• 0.25 mL dose

CURRENT RECOMMENDATIONS
(MODERATELY TO SEVERELY IMMUNOCOMPROMISED)

MODERATELY TO SEVERELY IMMUNOCOMPROMISED

Patients who meet the following criteria are eligible for additional doses of COVID-19 vaccine products.

Moderately to Severely Immunocompromising Conditions:

- Active treatment for solid tumor and hematologic malignancies
- Receipt of solid-organ transplant and taking immunosuppressive therapy
- Receipt of chimeric antigen receptor (CAR)-T-cell or hematopoietic stem cell transplant
 - Within 2 years of transplantation or taking immunosuppression therapy
- Moderate or severe primary immunodeficiency
 - e.g., DiGeorge syndrome, Wiskott-Aldrich syndrome
- Advanced or untreated HIV infection
 - People with HIV and CD4 cell counts $<200/\text{mm}^3$, history of an AIDS-defining illness without immune reconstitution, or clinical manifestations of symptomatic HIV

Moderately to Severely Immunocompromising Treatments:

- High-dose corticosteroids
 - $\geq 20\text{mg}$ prednisone or equivalent per day when administered for ≥ 2 weeks
- Alkylating agents
- Antimetabolites
- Transplant-related immunosuppressive drugs
- Cancer chemotherapeutic agents classified as severely immunosuppressive
- TNF blockers
- Other biologics that are immunosuppressive or immunomodulatory

MODERATELY TO SEVERELY IMMUNOCOMPROMISED

Self-attestation of immunocompromised status

People can self-attest to their moderately or severely immunocompromised status and receive COVID-19 vaccine doses wherever vaccines are offered. Vaccinators should not deny COVID-19 vaccination to a person due to lack of documentation.

UPDATES – IMMUNOCOMPROMISED

- Immunocompromised people ages 6 months and older are eligible for additional doses of bivalent mRNA vaccines.
 - Must be at least 2 months after first dose of bivalent.

Pfizer

Ages 6 months thru 4 years:

- One additional dose of bivalent Pfizer at least 1 month after last recommended dose of bivalent Pfizer. (per EUA)

Ages 5 years and older:

- One additional dose of bivalent Pfizer at least 2 months after last dose of bivalent mRNA vaccine.

Moderna




Ages 6 months thru 5 years:

- One additional dose of bivalent Moderna at least 1 month after last recommended dose of bivalent Moderna. (per EUA)

Ages 6 years and older:

- One additional dose of bivalent Moderna at least 2 months after last dose of bivalent mRNA vaccine.

COVID-19 vaccination guidance for people who are moderately or severely immunocompromised

To assist healthcare providers, the COVID-19 vaccination schedule for people who are moderately or severely immunocompromised ([Table 2](#)) provides detailed age-specific guidance; see also [COVID-19 Vaccination Recommendations Infographic \(Immunocompromised\)](#) . However, the EUAs for [Moderna](#)  and [Pfizer-BioNTech](#)  COVID-19 vaccines allow healthcare providers flexibility for use of vaccine products, number of doses, dosage, and intervals between doses; alternative schedules within the parameters of the EUAs may be appropriate based on individual circumstances and clinical judgement.

People who are or who become moderately or severely immunocompromised should follow the COVID-19 vaccination schedule according to their age and immune status at the time of eligibility for that dose; see [Considerations for timing of COVID-19 vaccination in relation to immunosuppressive therapies](#) for vaccination of people who will shortly become moderately or severely immunocompromised (e.g., prior to organ transplant) and [Considerations for COVID-19 revaccination](#).

Table 2. Recommended COVID-19 vaccination schedule for people who are moderately or severely immunocompromised by COVID-19 vaccination history, May 2023

COVID-19 Vaccine Recommendations

Immunocompromised Children and Adolescents: Ages 6 months through 4 years

Date: April 19, 2023



Ages: 6 months thru 4 years									
COVID-19 Vaccine History									
Pfizer Cap: Maroon Age: 6 mo – 4 years	Unvaccinated		Pfizer Bivalent: 0.2 mL	Wait 3 weeks	Pfizer Bivalent: 0.2 mL	Wait 8 weeks	Pfizer Bivalent: 0.2 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.	
		<i>OR</i>							
			Moderna Bivalent: 0.25 mL	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Wait 4 weeks	Moderna Bivalent: 0.25 mL		
Moderna Cap: Dark Blue Label: Gray Age: 6 mo and older	1 dose monovalent Pfizer	Wait 3 weeks	Pfizer Bivalent: 0.2 mL	Wait 8 weeks	Pfizer Bivalent: 0.2 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.			
	OR		2 doses monovalent Pfizer	Wait 8 weeks	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	3 doses monovalent Pfizer	Wait 8 weeks	Pfizer Bivalent: 0.2 mL		Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	2 doses monovalent Pfizer and 1 dose bivalent Pfizer		--		Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	3 doses monovalent Pfizer and 1 dose bivalent Pfizer		--		Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	1 dose monovalent Moderna	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.			
	2 doses monovalent Moderna	Wait 4 weeks	Moderna Bivalent: 0.25 mL		Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	3 doses monovalent Moderna	Wait 8 weeks	Moderna Bivalent: 0.2 mL		Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	3 doses monovalent Moderna and 1 dose bivalent Moderna		--		Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				

*Homologous mRNA products must be used for additional doses for this age group. Mixing and matching Pfizer and Moderna is **not** authorized.

Pfizer Additional Doses:

- Pfizer Bivalent Maroon Cap (0.2 mL)

Moderna Additional Doses:

- Moderna Bivalent Blue Cap (0.25 mL) OR
- Moderna Bivalent Pink Cap (0.2 mL)

COVID-19 Vaccine Recommendations

Immunocompromised Children and Adolescents: Age 5 years

Date: April 19, 2023



Ages: 5 years								
	COVID-19 Vaccine History							
Pfizer Cap: Orange Age: 5 – 11 years	Unvaccinated		Pfizer Bivalent: 0.2 mL	Wait 3 weeks	Pfizer Bivalent: 0.2 mL	Wait 4 weeks	Pfizer Bivalent: 0.2 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.
		<i>OR</i>						
		Moderna Bivalent: 0.25 mL	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Wait 4 weeks	Moderna Bivalent: 0.25 mL		
Moderna Cap: Dark Blue Label: Gray Age: 6 mo and older	1 dose monovalent Pfizer	Wait 3 weeks	Pfizer Bivalent: 0.2 mL	Wait 4 weeks	Pfizer Bivalent: 0.2 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.		
OR	2 doses monovalent Pfizer	Wait 4 weeks	Pfizer Bivalent: 0.2 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
Cap: Dark Pink Label: Yellow Age: 6 mo – 5 years	3 doses monovalent Pfizer	Wait 8 weeks	Pfizer Bivalent: 0.2 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	3 doses monovalent Pfizer and 1 dose bivalent Pfizer		--	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	1 dose monovalent Moderna	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.		
	2 doses monovalent Moderna	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	3 doses monovalent Moderna	Wait 8 weeks	Pfizer Bivalent: 0.2 mL <i>OR</i> Moderna Bivalent: 0.25 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	3 doses monovalent Moderna and 1 dose bivalent mRNA (Moderna or Pfizer)		--	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				

*Recipients who previously received Pfizer may only receive Pfizer for additional doses.

Recipients who previously received Moderna may receive either Moderna or Pfizer as additional doses.

Pfizer Additional Doses:

- Pfizer Bivalent Orange Cap (0.2 mL)

Moderna Additional Doses:

- Moderna Bivalent Blue Cap (0.25 mL) OR
- Moderna Bivalent Pink Cap (0.2 mL)

COVID-19 Vaccine Recommendations

Immunocompromised Children and Adolescents: Ages 6 years through 11 years

Date: April 19, 2023



Ages: 6 years thru 11 years								
	COVID-19 Vaccine History							
Pfizer Cap: Orange Age: 5 – 11 years	Unvaccinated		Pfizer Bivalent: 0.2 mL	Wait 3 weeks	Pfizer Bivalent: 0.2 mL	Wait 4 weeks	Pfizer Bivalent: 0.2 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.
		<i>OR</i>						
Moderna Cap: Dark Blue Label: Gray Age: 6 mo and older			Moderna Bivalent: 0.25 mL	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Wait 4 weeks	Moderna Bivalent: 0.25 mL	
	1 dose monovalent Pfizer	Wait 3 weeks	Pfizer Bivalent: 0.2 mL	Wait 4 weeks	Pfizer Bivalent: 0.2 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.		
OR	2 doses monovalent Pfizer	Wait 4 weeks	Pfizer Bivalent: 0.2 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
Cap: Dark Pink Label: Yellow Age: 6 mo – 5 years	3 doses monovalent Pfizer	Wait 8 weeks	Pfizer Bivalent: 0.2 mL <i>OR</i> Moderna Bivalent: 0.25 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	3 doses monovalent Pfizer and 1 dose bivalent mRNA (Pfizer or Moderna)		--	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	1 dose monovalent Moderna	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.		
	2 doses monovalent Moderna	Wait 4 weeks	Moderna Bivalent: 0.25 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	3 doses monovalent Moderna	Wait 8 weeks	Pfizer Bivalent: 0.2 mL <i>OR</i> Moderna Bivalent: 0.25 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				
	3 doses monovalent Moderna and 1 dose bivalent mRNA (Moderna or Pfizer)		--	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.				

*Heterologous mRNA products may be used for additional doses for this age group. Mixing and matching Pfizer and Moderna is authorized.

Pfizer Additional Doses:

- Pfizer Bivalent Orange Cap (0.2 mL)

Moderna Additional Doses:

- Moderna Bivalent Blue Cap (0.25 mL)

COVID-19 Vaccine Recommendations

Immunocompromised Teens and Adults: Ages 12 years and older

Date: April 19, 2023



Ages: 12 years and older								
	COVID-19 Vaccine History							
Pfizer Cap: Gray Age: 12 years and older	Unvaccinated		Pfizer Bivalent: 0.3 mL	Wait 3 weeks	Pfizer Bivalent: 0.3 mL	Wait 4 weeks	Pfizer Bivalent: 0.3 mL OR Moderna Bivalent: 0.5 mL	Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.
			OR	Moderna Bivalent: 0.5 mL	Wait 4 weeks			
Moderna Cap: Dark Blue Label: Gray Age: 6 mo and older	1 dose monovalent Pfizer	Wait 3 weeks	Pfizer Bivalent: 0.3 mL	Wait 4 weeks	Pfizer Bivalent: 0.3 mL		Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.	
	2 doses monovalent Pfizer	Wait 4 weeks	Pfizer Bivalent: 0.3 mL				Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.	
	3 doses monovalent Pfizer	Wait 8 weeks	Pfizer Bivalent: 0.3 mL OR Moderna Bivalent: 0.5 mL				Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.	
	3 doses monovalent Pfizer and 1 dose <i>bivalent</i> mRNA (Pfizer or Moderna)		--				Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.	
	1 dose monovalent Moderna	Wait 4 weeks	Moderna Bivalent: 0.5 mL	Wait 4 weeks	Moderna Bivalent: 0.5 mL		Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.	
	2 doses monovalent Moderna	Wait 4 weeks	Moderna Bivalent: 0.5 mL				Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.	
	3 doses monovalent Moderna	Wait 8 weeks	Pfizer Bivalent: 0.3 mL OR Moderna Bivalent: 0.5 mL				Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.	
	3 doses monovalent Moderna and 1 dose <i>bivalent</i> mRNA (Moderna or Pfizer)		--				Additional doses may be administered at least 2 months after last dose of bivalent mRNA vaccine.	

*Heterologous mRNA products may be used for additional doses for this age group. Mixing and matching Pfizer and Moderna is authorized.

Pfizer Additional Doses:

- Pfizer Bivalent Gray Cap (0.3 mL)

Moderna Additional Doses:

- Moderna Bivalent Blue Cap (0.5 mL)

COMMON QUESTIONS

QUESTIONS

Where can I find this information?

- ALL of the recommendations and guidelines are available on the CDC's website.
 - Direct Link: <https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html>
- Charts with updated guidelines will be available on the Immunize Arkansas website.
 - Direct Link: <https://www.immunizear.org/covid-19-provider-resources>
- Pfizer EUA: <https://www.fda.gov/media/167211/download>
- Moderna EUA: <https://www.fda.gov/media/167208/download>

RESOURCES

- <https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html>
- <https://www.cdc.gov/vaccines/covid-19/info-by-product/janssen/index.html>
- <https://www.cdc.gov/vaccines/covid-19/info-by-product/pfizer/index.html>
- <https://www.cdc.gov/vaccines/covid-19/info-by-product/moderna/index.html>
- <https://www.cdc.gov/vaccines/covid-19/info-by-product/novavax/index.html>
- <https://www.fda.gov/news-events/press-announcements/coronavirus-covid-19-update-fda-authorizes-changes-simplify-use-bivalent-mrna-covid-19-vaccines>
- <https://www.fda.gov/emergency-preparedness-and-response/coronavirus-disease-2019-covid-19/pfizer-biontech-covid-19-vaccines#additional>
- <https://www.fda.gov/emergency-preparedness-and-response/coronavirus-disease-2019-covid-19/moderna-covid-19-vaccines>