

Immunization Service Provider Call

April 2023

**Please place your name, and
provider in the chat.**



Agenda



- State Data / COVID Administration Guidance
- COVID-19 Vaccine Ordering Update
- Vaccine Storage and Handling
- Vaccine Ordering & Distribution
- OSIS Updates
- Guest Speaker
- Lauren Speer, BSN, RN., Nursing Services
 - Reducing Vaccine Errors
- Looking Forward

COVID-19 Vaccine State Data & Administration Guidance

**Rishu Garg, Adult
Vaccine Coordinator**



COVID-19 VACCINATIONS IN OKLAHOMA – FEDERAL AND STATE (AS OF 3/30/2023)

2,957,861 people have received **at least 1 dose*** of the COVID-19 vaccine





2,396,612 people are **fully vaccinated**** with the COVID-19 vaccine

998,552 people have received a **3rd dose^** or **booster dose^^** of the COVID-19 vaccine



364,654 people have received a **4th dose** or **2nd booster dose** of the COVID-19 vaccine

469,545 people have received the **bivalent booster dose** of the COVID-19 vaccine



Across Oklahoma, a total of **6,752,460 COVID-19 vaccine doses** have been **administered** since 12/14/2020

*Refers to eligible individuals receiving Pfizer and Moderna COVID-19 vaccines and/or receiving single shot of J&J/Janssen Vaccine; **Refers to eligible individuals (ages 5 years+) fully vaccinated after receiving either Pfizer and/or Moderna COVID-19 vaccines (both doses) and/or receiving single shot of J&J/Janssen Vaccine; ^3rd dose (Pfizer or Moderna) for individuals moderately to severely immunocompromised to be received at least 28 days after a second dose; ^^Booster dose for individuals 65+ or certain other adults at high risk of severe COVID-19 to be received at least six months after completion of the primary mRNA vaccine series or two months after receiving single dose of J&J/Janssen vaccine.

Not for public distribution, data intended for internal planning purposes.

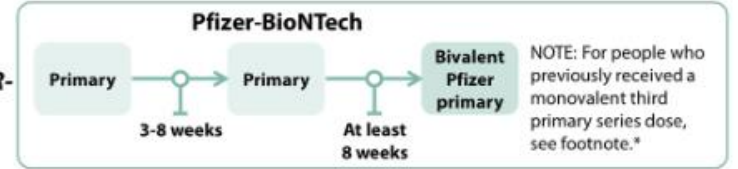
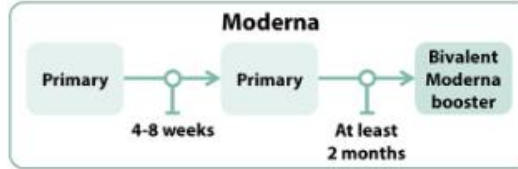


Covid-19 Vaccination Schedule

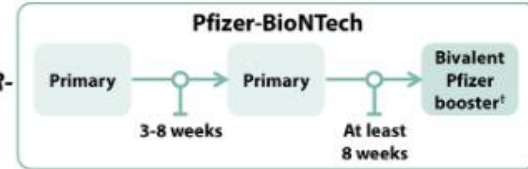
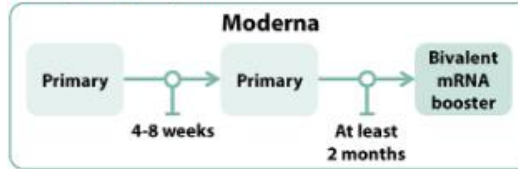
(Non-Immunocompromised)

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

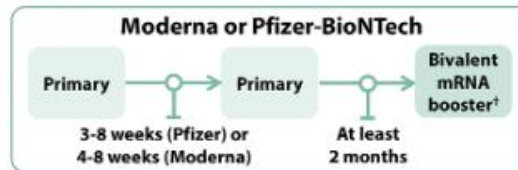
People ages 6 months through 4 years



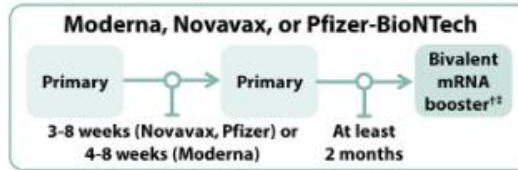
People age 5 years



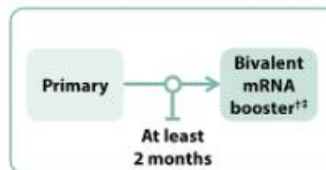
People ages 6 through 11 years



People ages 12 years and older



People ages 18 years and older who previously received Janssen primary series dose⁵



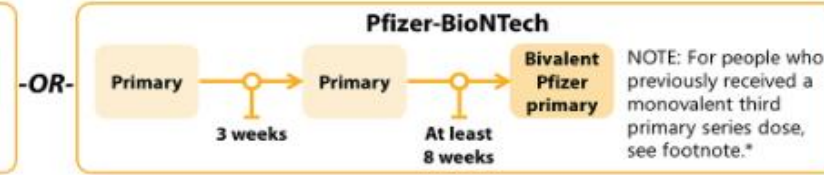
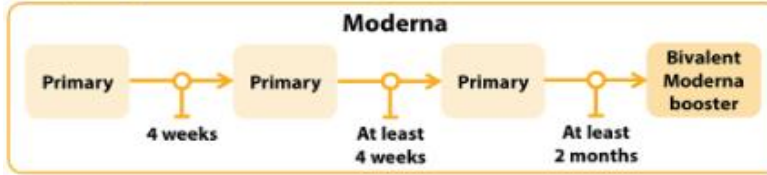
*People ages 6m-4yrs who previously completed a 3-dose monovalent Pfizer-BioNTech primary series are authorized to receive 1 bivalent Pfizer-BioNTech booster dose at least 2 months after completion of monovalent primary series.

Covid-19 Vaccination Schedule

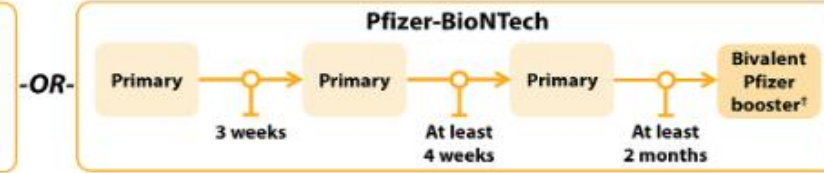
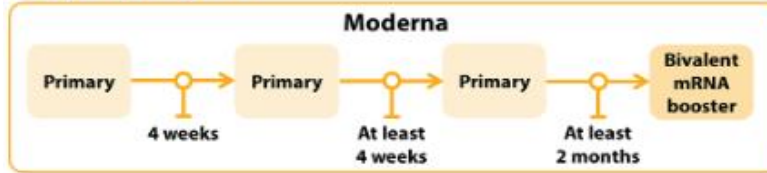
(Immunocompromised)

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

People ages 6 months through 4 years



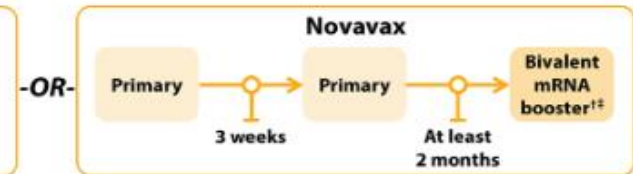
People age 5 years



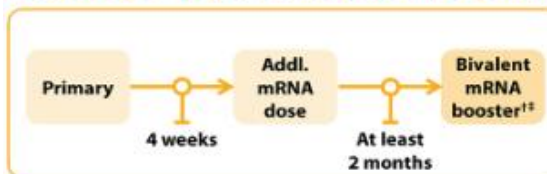
People ages 6 through 11 years



People ages 12 years and older





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



[Clinical Guidance for COVID-19 Vaccination | CDC](#)

*People ages 6m-4yrs who previously completed a 3-dose monovalent Pfizer-BioNTech primary series are authorized to receive 1 bivalent Pfizer-BioNTech booster dose at least 2 months after completion of monovalent primary series.

Pfizer-BioNTech COVID-19 Vaccine, Primary and Bivalent Presentations 12+ Years and older






	PRIMARY SERIES ONLY		BOOSTER DOSE ONLY	
	PFIZER-BIONTECH COVID-19 VACCINE*	COMIRNATY (COVID-19 VACCINE, mRNA), DO NOT DILUTE†	PFIZER-BIONTECH COVID-19 VACCINE, BIVALENT, DO NOT DILUTE†	
Age Group	12 years and older		12 years and older (See additional information in teal box to the right of table)	
Vial Cap Color	Gray 		Gray 	
Dose	30 mcg		30 mcg	
Dose Volume	0.3 mL		0.3 mL	
Amount of Diluent Needed per Vial	NO DILUTION		NO DILUTION	
Doses per Vial	Multiple dose vial: 6 doses per vial		Multiple dose vial: 6 doses per vial	Single dose vial: 1 dose per vial
Storage Conditions				
Ultra-Low-Temperature (ULT) Freezer [-90 °C to -60 °C (-130 °F to -76 °F)]	18 months ¹			
Freezer [-25 °C to -15 °C (-13 °F to 5 °F)]	DO NOT STORE			
Refrigerator [2 °C to 8 °C (35 °F to 46 °F)]	10 weeks			
Room Temperature [8 °C to 25 °C (46 °F to 77 °F)]	12 hours prior to first puncture (including any thaw time)			
After First Puncture [2 °C to 25 °C (35 °F to 77 °F)]	Discard after 12 hours			

[COMIRNATY Full Prescribing Information - 12+ Gray Cap](#)



The complete formulation guide can be downloaded here: <https://webfiles.pfizer.com/formulation-guide>
 For more extensive information and guidance, including each formulation's EUA Fact Sheet: <https://www.cvdvaccine-us.com/>

Pfizer-BioNTech COVID-19 Vaccine, Primary and Bivalent Presentations 6m-4y & 5-11 Years











	PRIMARY SERIES ONLY	BOOSTER DOSE ONLY	PRIMARY SERIES	BOOSTER DOSE ONLY*
	PFIZER-BIONTECH COVID-19 VACCINE, DILUTE BEFORE USE [†]	PFIZER-BIONTECH COVID-19 VACCINE, BIVALENT, DILUTE BEFORE USE [†]	PFIZER-BIONTECH COVID-19 VACCINE AND PFIZER-BIONTECH COVID-19 VACCINE, BIVALENT, DILUTE BEFORE USE [†]	PFIZER-BIONTECH COVID-19 VACCINE, BIVALENT, DILUTE BEFORE USE [†]
Age Group	5 through 11 years ("Age 5y to <12y" on vial label)	5 through 11 years ("Age 5y to <12y" on vial label) (See additional information in teal box to the right of table)	6 months through 4 years (See additional information in boxed maroon text to the right of table)	6 months through 4 years
Vial Cap Color	Orange 	Orange 	Maroon  	Maroon 
Dose	10 mcg	10 mcg	3 mcg	3 mcg
Dose Volume	0.2 mL	0.2 mL	0.2 mL	0.2 mL
Amount of Diluent Needed per Vial	1.3 mL	1.3 mL	2.2 mL	2.2 mL
Doses per Vial	10 doses per vial (after dilution)	10 doses per vial (after dilution)	10 doses per vial (after dilution)	10 doses per vial (after dilution)
	Storage Conditions		Storage Conditions	
Ultra-Low-Temperature (ULT) Freezer [-90 °C to -60 °C (-130 °F to -76 °F)]	18 months [‡]		18 months [‡]	
Freezer [-25 °C to -15 °C (-13 °F to 5 °F)]	DO NOT STORE		DO NOT STORE	
Refrigerator [2 °C to 8 °C (35 °F to 46 °F)]	10 weeks		10 weeks	
Room Temperature [8 °C to 25 °C (46 °F to 77 °F)]	12 hours prior to dilution (including any thaw time)		12 hours prior to dilution (including any thaw time)	
After First Puncture [2 °C to 25 °C (35 °F to 77 °F)]	Discard after 12 hours [‡]		Discard after 12 hours [‡]	

Pfizer-BioNTech COVID-19 Vaccine with a Maroon Cap and 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.



The complete formulation guide can be downloaded here: <https://webfiles.pfizer.com/formulation-guide>
For more extensive information and guidance, including each formulation's EUA Fact Sheet: <https://www.cvdvaccine-us.com/>

Moderna COVID-19 Vaccine Presentations

	Moderna COVID-19 Vaccine (Primary Series Doses)			Moderna COVID-19 Vaccine, Bivalent (Booster Dose)	
Age Group	6 months through 5 years of age	6 years through 11 years of age	12 years of age and older [†]	6 months through 5 years of age	6 years of age and older
Doses Per Vial	10 doses	5 doses	Maximum of 11 doses (range: 10-11 doses)	2 doses ^{**}	5-10 doses [†]
Volume per Dose	0.25 mL	0.5 mL	0.5 mL	0.2 mL	For 6 years through 11 years: 0.25 mL For 12 years of age and older: 0.5 mL
Vial label and NDC	 <p>Magenta Border</p> <p>NDC 80777-279-05</p>	 <p>Purple Border*</p> <p>NDC 80777-275-05</p>	 <p>Light Blue Border</p> <p>NDC 80777-273-10</p>	 <p>Yellow Box</p> <p>NDC 80777-283-02</p>	 <p>Gray Border</p> <p>NDC 80777-282-05</p>
Carton and NDC	 <p>NDC 80777-279-99</p>	 <p>NDC 80777-275-99</p>	 <p>NDC 80777-273-99</p>	 <p>NDC 80777-283-99</p>	 <p>NDC 80777-282-99</p>

*Moderna COVID-19 Vaccine, Bivalent is authorized as a booster dose in individuals 6 months through 5 years of age at least 2 months after completing the Moderna COVID-19 Vaccine primary series. Moderna COVID-19 Vaccine, Bivalent is authorized as a booster dose in individuals 6 years of age and older at least 2 months after any authorized or approved vaccine.
[†] The Moderna COVID-19 Vaccine vial labeled “BOOSTER DOSES ONLY” is authorized to provide Primary Series Doses (0.5 mL each) for individuals 6 through 11 years of age.

For more information, please see the FDA-Authorized Fact Sheets: [Moderna COVID-19 FDA Fact Sheets](#)



FDA Covid-Vaccine Updates

as of 3.29.23

- On March 14th, the FDA amended the EUA of the [Pfizer-BioNTech COVID-19 Vaccine](#), Bivalent to provide for a single booster dose of the vaccine in children 6 months through 4 years of age at least 2 months after completion of primary vaccination with three doses of the monovalent Pfizer-BioNTech COVID-19 Vaccine.
 - NOTE: The original monovalent Pfizer-BioNTech COVID-19 Vaccine was previously but is no longer authorized for use as the third dose of the primary series in individuals 6 months through 4 years of age.
 - [More Detailed Information Provided Here](#)
- Additional updates include:
 - FDA revised the [Janssen COVID-19 Vaccine Fact Sheet for Healthcare Providers Administering Vaccine](#) as well as the [scope of authorization](#) for a booster dose of the Janssen COVID-19 Vaccine to reflect that the vaccine may be administered as a first booster dose at least 2 months after completion of primary vaccination with an authorized or approved [COVID-19 vaccine](#). [Learn More Here](#)
 - FDA posted a revised [Moderna COVID-19 Vaccine Presentations Wall Chart](#)



Additional Vaccine Updates

Moderna

- Moderna Monovalent 12+ and 6-11 formulations have expired with no anticipated expiration extension.
 - Orders for these products to support primary series vaccinations are **no longer accepted**.
 - Pfizer (12+ and 5-11) and Novavax (12+) monovalent vaccines remain available for ordering for primary series vaccination.
 - There is an ample supply of both products, and providers can order additional supply.
 - Providers should be aware that depending on the date of the first administered Moderna dose, the same product may not be available to complete the primary series.
 - In this case, a different COVID-19 vaccine may be administered to complete the primary series at a minimum interval of 28 days from the last COVID-19 vaccine dose.
 - Please read [CDC guidance](#) on interchanging COVID-19 vaccines for more information.

Novavax

- Ordering of the 10-dose vial presentation of Novavax COVID-19 vaccine (**Unit of Sale NDC: 80631-0100-10**) has **closed**.
 - All viable doses of Novavax currently in the field have an expiration date of April 30, 2023 with no anticipated expiration extension.
- Ordering of the 5-dose vial presentation of Novavax COVID-19 vaccine (**Unit of Sale NDC: 80631-0102-10**) **has now begun**.
 - Each carton contains ten 5-dose vials with a minimum order quantity of 100 doses (2 cartons)
 - This number of doses matches the number of doses supported by existing ancillary kits. You may still opt-out of receiving ancillary kits.
 - The expiration date of this new Novavax presentation is October 31, 2023.



Novavax

Dosage and Administration¹

- **Dosing and schedule**

- **Primary Series (12 years of age and older):** Administered intramuscularly as a primary series of two doses (0.5 mL each) 3 weeks apart
- **First Booster Dose (18 years of age and older):** Administered intramuscularly as a first booster dose (0.5mL) at least 6 months after completion of primary vaccination
 - with an authorized or approved COVID-19 vaccine to individuals 18 years of age and older for whom an FDA-authorized mRNA bivalent COVID-19 booster vaccine is not accessible or clinically appropriate, and to individuals 18 years of age and older who elect to receive the Novavax COVID-19 Vaccine, Adjuvanted because they would otherwise not receive a booster dose of a COVID-19 vaccine



Expiration dates can be obtained using the [Novavax Expiry Date Checker](#)



Interchangeability of COVID-19 vaccine products

Primary Series

- The CDC *does not recommend mixing products for your primary series doses*; mixed primary series composed of any combinations of Moderna, Novavax, and Pfizer vaccines is not authorized. All COVID-19 vaccine primary series doses should be from the same manufacturer.
- The same monovalent vaccine product should be used for all doses in the primary series with the following exception: **children ages 6 months–4 years who received 2 primary series doses of a monovalent Pfizer-BioNTech vaccine should receive a bivalent Pfizer-BioNTech vaccine as their third primary series dose.**
- Children ages 6 months–4 years who received 1 monovalent Moderna vaccine and 1 monovalent Pfizer-BioNTech vaccine for the first 2 doses of a primary series should follow a [3-dose schedule](#)

Booster Vaccination

- Bivalent mRNA vaccines are recommended. Any homologous or heterologous bivalent mRNA vaccine can be used as authorized by FDA for a given age group and product
- For people who receive a mixed primary series, booster recommendations are as follows:
 - Children ages 6 months–4 years:
 - Who receive a mixed 3-dose primary series with any combination of monovalent Moderna and monovalent Pfizer-BioNTech vaccines should receive 1 bivalent Pfizer-BioNTech booster dose at least 2 months after completion of the primary series.
 - Who receive a mixed 3-dose primary series with a bivalent Pfizer-BioNTech vaccine as the third primary series dose should receive 1 bivalent Pfizer-BioNTech booster dose when they turn age 5 years and at least 2 months after completion of the primary series.
- Children age 5 years who receive a mixed primary series should receive 1 bivalent Pfizer-BioNTech vaccine booster dose at least 2 months after completion of the primary series.
- People ages 6 years and older who receive a mixed primary series should receive 1 mRNA booster dose (Moderna or Pfizer-BioNTech) at least 2 months after completion of the mixed monovalent primary series.



More information on the interchangeability of COVID-19 vaccine products for children and adolescents can be found [here](#).

COVID- 19 Vaccine Ordering Updates

**Margaret Archer, MPH, and
Muhammad Khalil, BSM
Covid-19 Vaccine Ordering Team**

COVID-19 Vaccines available in OSIS

- OSIS offers 11 Covid-19 vaccines across all age groups.
- If you wish to order less than the minimum required dose amount, please specify the number of doses you would like to order under the clinic comments before submitting the order.
- Providers do have the option to opt-out of receiving ancillary kits with *some* COVID-19 Vaccine Orders.
 - Please note that Pfizer Pediatric vaccines orders **cannot** OPT-OUT from receiving ancillary kits.
 - If the “opt-out” option is greyed out on the OSIS order page for any other vaccines, but you would like to opt-out from receiving them, please indicate this request in the clinic comments.

 As a reminder, please remember to regularly check the OSIS homepage for news updates related to COVID-19 Vaccines. 

COVID-19 Vaccines available in OSIS (cont.)

CVX	Name on OSIS ordering page	NDC	Manufacturer	Minimum doses for direct-ship	Age Group	Ancillary Opt-Out	Primary or Booster
211	Novavax COVID-19 (10 x 2.5mL Multi-Dose Vial)	80631-0102-10	NOVAVAX, INC	100	12+	YES	PRIMARY ONLY
217	Pfizer Comirnaty COVID-19 (MDV6; 10 pack)	00069-2025-10	PFIZER, INC.	180	12+	YES	PRIMARY ONLY
218	COVID-19 Pfizer 5-11Yrs (10X10 (0.2mL/dose) MDV)	59267-1055-04	PFIZER, INC.	100	5Y-11Y	NO, DUE TO DILUENT	PRIMARY ONLY
219	PFR COVID Tris-suc 6m-4y (10 x 10(0.2mL/dose) MDV)	59267-0078-04	PFIZER, INC.	100	6M-4Y	NO, DUE TO DILUENT	PRIMARY ONLY
228	Moderna COVID-19 Ped 6mo - 5yr (10 x 2.5mL Vials)	80777-0279-99	MODERNA	100	6M-5Y	YES	PRIMARY ONLY
229	COV-19 (Moderna); Bivalent; MDV5	80777-0282-99	MODERNA	100	12+	YES*	BOOSTER ONLY
230	MOD COVID-19 Bivalent Bstr 6m-5y (10 x 0.40mL MDV)	80777-0283-99	MODERNA	100	6Y-12Y	YES*	BOOSTER ONLY
300	PFR COVID-19 Bivalent Bstr 12+yrs (10x2.0mL MDV)	59267-0304-02	PFIZER, INC.	180	12+	YES*	BOOSTER ONLY
300	PFR COVID-19 Bivalent Bstr 12+yrs (10x2.0mL SDV)	59267-1404-02	PFIZER, INC.	50	12+	YES*	BOOSTER ONLY
301	Pfizer COVID-19 Booster 5-11 yrs (10 x 2.0mL MDV)	59267-0565-02	PFIZER, INC.	100	5Y-11Y	NO, DUE TO DILUENT	BOOSTER ONLY
302	Pfizer COVID-19 BIV Booster 6m-4y (10 x 2.6mL MDV)	59267-0609-02	PFIZER, INC.	100	6M-4Y	NO, DUE TO DILUENT	BOOSTER ONLY

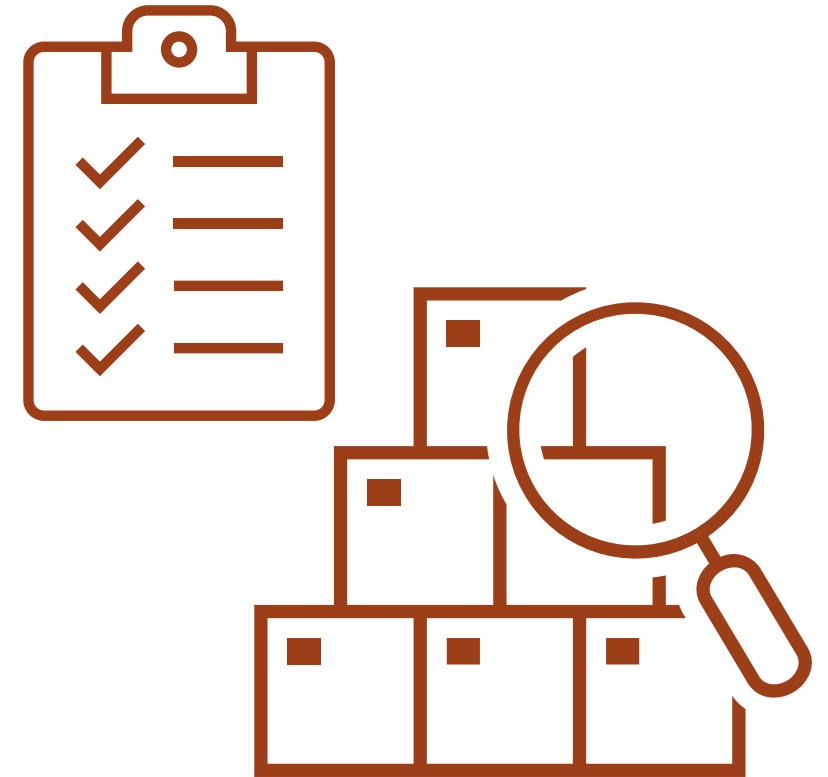
*If you wish to opt-out from receiving ancillary kits with the order, please specify it under the clinic comments before submitting the order.

Vaccine Storage and Handling

**Sonja Claborn LPN,
Immunization Field Consultant**

Best Practice for Inventory Management

- To reduce waste, providers should be aware of vaccines in their inventory that are nearing expiration dates and prioritize their administration.
- Providers should enroll in the CDC Code Management Service to access the most up-to-date Expiration Information for all Vaccines.
 - [Vaccine Lot Number and Expiration Date Webpage](#)
 - Click the "Register" button in the upper right-hand corner to complete the registration form to request access.
- Moderna, Novavax, Pfizer, J&J Vaccine Expiration Lookup & Reference Information:
 - [Moderna Vial Expiration Data Look Up Tool](#)
 - [J&J Expiration Date Look Up Tool](#)
 - [Pfizer-BioNTech Covid-19 Lot Expiry Tool](#)
 - [Novavax Expiry Date Checker Tool](#)



Inventory Update Required Vaccine Finder, OSIS

Failure to maintain an updated inventory may impact vaccine orders.

- Per the CDC, starting May 1st providers are required to update inventory in Vaccine Finder on a **weekly** basis.
- Inventory will be listed by vaccine name and age designation, *not* cap color.
- Training Videos and Guides:
 - <https://www.vaccines.gov/covid-provider-resources/>
- Step By Step Instructions:
 - https://www.vaccines.gov/resources/QSG.for.Add.Vaccine.Flow_Clean_06_04_21_FINAL.pdf
 - For assistance in updating Vaccine Finder or OSIS please call Immunization Services at (405) 426-8580.



Find COVID-19 Vaccines

Powered by **VaccineFinder**

5-digit Zip Code

Zip Code

Show COVID-19 Vaccines and Boosters

- Pfizer-BioNTech (age 5-11)
- Pfizer-BioNTech (age 12+)
- Moderna (age 18+)
- Johnson & Johnson/Janssen (age 18+)

▶ [View key details about which vaccine you should get](#)

Show Only Locations That

- Have appointments available

Search for COVID-19 Vaccines

[I'm looking for flu vaccines](#) →

Novavax Storage and Handling

• Unpunctured Vial












- Store the unpunctured multi-dose vaccine vial in a refrigerator between 2° to 8°C (36° to 46°F).
- **Do not** freeze.
- Protect from light.

• After first needle puncture of the vial

- Store the multi-dose vial between 2 to 25°C (36 to 77°F) for up to 6 hours.
 - **Does not** contain a preservative
- Discard any remaining vaccine that is not used within 6 hours after the first puncture.











Pfizer Storage and Handling

Vial cap color	 Monovalent Maroon Cap	 Bivalent Maroon Cap	 Monovalent Orange Cap	 Bivalent Orange Cap	 Monovalent Gray Cap	 Bivalent Gray Cap
Ages	6 months through 4 years		5 through 11 years		12 years and older	
Supplied in:	MDV*: 10 doses per vial Requires diluent	MDV*: 10 doses per vial Requires diluent	MDV*: 10 doses per vial Requires diluent	MDV*: 10 doses per vial Requires diluent	MDV*: 6 doses per vial  No diluent	MDV*: 6 doses per vial SDV*: 1 dose  No diluent
Storage Temperature: Before Puncture  Do NOT store vaccine in a standard freezer	<p>Between: -90°C and -60°C (-130°F and -76°F) until the expiration date[†] 2°C and 8°C (36°F and 46°F) for up to 10 weeks</p> <p>NOTE: The beyond-use date (10 weeks) replaces the manufacturer's expiration date but NEVER extends it. Always use the earliest date. Do NOT use vaccine if the expiration date or beyond-use date has passed.</p>					
Thawing Frozen Vaccine  Do NOT refreeze thawed vaccine	<p>Between: 2°C and 8°C (36°F and 46°F) OR Up to 25°C (77°F)</p> <p>Amount of time needed to thaw vaccine varies based on temperature and number of vials.</p>					
Storage Temperature: After 1st Puncture  Do NOT use after 12 hours	<p>Between: 2°C and 25°C (36°F and 77°F) for up to 12 hours.</p> <p>Discard vial and any unused vaccine after 12 hours.</p>					



Moderna COVID-19 Vaccine Storage and Handling

Vial cap color	 Monovalent Blue capped vials with magenta-bordered label	 Bivalent Pink capped vials with yellow-bordered label	 Monovalent Blue capped vial with purple-bordered label	 Monovalent Red capped vial with blue-bordered label	 Bivalent Dark blue capped vial with gray-bordered label
Supplied in multidose vial	10 doses per vial	2 doses per vial These vials should not be confused with single dose vials. Once 2 doses have been removed, discard the vial.	5 doses per vial	10 primary doses	6 through 11 years of age: 10 doses per vial 12 years of age and older: 5 doses per vial
Storage Temperature: Before Puncture  Do NOT store vaccine in an ultra cold freezer.	Between: -50°C and -15°C (-58°F and 5°F) until the expiration date 2°C and 8°C (36°F and 46°F) for up to 30 days 8°C and 25°C (46° and 77°F) for a total of 24 hours. Discard vial and unused vaccine after 24 hours. NOTE: The beyond-use date (30 days) replaces the manufacturer's expiration date but NEVER extends it. Always use the earliest date. Do NOT use vaccine if the expiration date or beyond-use date has passed.				
Thawing Frozen Vaccine  Do NOT refreeze thawed vaccine.	Between: 2°C and 8°C (36°F and 46°F) OR 15°C and 25°C (46°F and 77°F) Amount of time needed to thaw vaccine varies based on temperature and number of vials.				
Storage Temperature: After 1st Puncture  Do NOT use after beyond-use date times.	Between: 2°C and 25°C (36°F and 77°F) for up to: <ul style="list-style-type: none"> ■ 8 hours - bivalent vaccine for ages 6 months through 5 years (pink capped with yellow bordered label) ■ 12 hours - all other Moderna COVID-19 vaccine products Discard vial and any unused vaccine after these time frames.				



Vaccine Ordering and Distribution

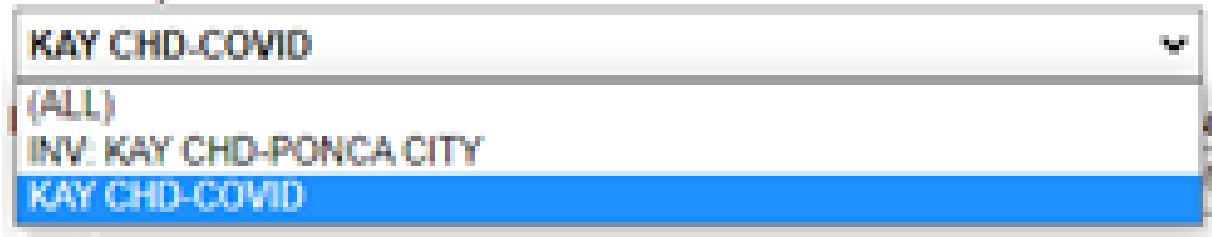
Teja Paruchuri, MPH

Reconciliation

Reconciliation – **weekly**

- Providers are required to reconcile their inventory once during the ordering time frame: **Tuesday through Monday.**
- **If a clinic does not reconcile COVID inventory for 7 days, they will not be able to create a vaccine order.**
- An informational video on COVID 19 vaccine reconciliation and ordering can be accessed at <https://vimeo.com/528424790>
- [Inventory Reconciliation](#)

Inventory Location



A screenshot of a dropdown menu for 'Inventory Location'. The menu is open, showing several options. The top option is 'KAY CHD-COVID'. Below it is '(ALL)'. The next option is 'INV: KAY CHD-PONCA CITY'. The bottom option is 'KAY CHD-COVID', which is highlighted with a blue background. A small downward arrow is visible on the right side of the top option.

KAY CHD-COVID
(ALL)
INV: KAY CHD-PONCA CITY
KAY CHD-COVID



Ordering Process

- Providers can create orders in OSIIS during the ordering timeframe which is **Tuesday through Monday**.
- Vaccines can be ordered based on the need. If less than the minimum quantity is needed, providers will need to place an order for the minimum quantity and add a comment in the Clinic Comments indicating the number of doses needed.
- Providers now have the option to opt-out from receiving vaccine ancillary kits with their vaccine order. This doesn't apply for Pediatric Pfizer and Pediatric Pfizer Bivalent booster.
 - If you wish to opt-out, please specify this information in the Clinic Comments.
- Please do not refuse any vaccine shipments.

Clinic Comments

ONLY NEED 30 DOSES OF MODERNA

CVX	Name	NDC	Manufacturer Code	Manufacturer	Cost per Package	Doses per Package	Intent	Ancillary Kit	Qty of Packages
CVX	NAME	NDC	MANUFA	MANUFA					
207	Moderna COVID-19 (10 x 10 dose 5.0 mL MDV)	80777-0273-99	MOD	MODERNA	\$1.00	100	ADULT	YES	1



Ordering Process

- **The cut-off to create orders in OSIS – Monday, 5pm.**
- To make any changes or cancellations to orders after the deadline, providers must reach out ASAP.
 - To request a change, a provider should email to OSDH VaccineHelp <VaccineHelp@health.ok.gov>
 - If provider doesn't receive a confirmation of changes/cancellation within 24h, provider must call the OSDH Immunization Service 405.426.8580 to ensure that the order has been cancelled.
- **Orders with at least min quantity, will be approved in OSIS and directly shipped to providers – subjected to CHANGE depending on the available weekly threshold amounts.**
- Orders with less than min quantity will be rejected in OSIS with a note that County Health Department (CHD) will fulfill the order and get in touch with the provider via email or phone.
 - Example of the message: *"Your order will be fulfilled by your County Health Department. Watch for e-mail communication about the process and phone calls to arrange vaccine transfer."*
 - CHDs will deliver vaccines to providers on the same or the following week. Delivered by CHD employees, national guard, or courier service.



Ordering Process

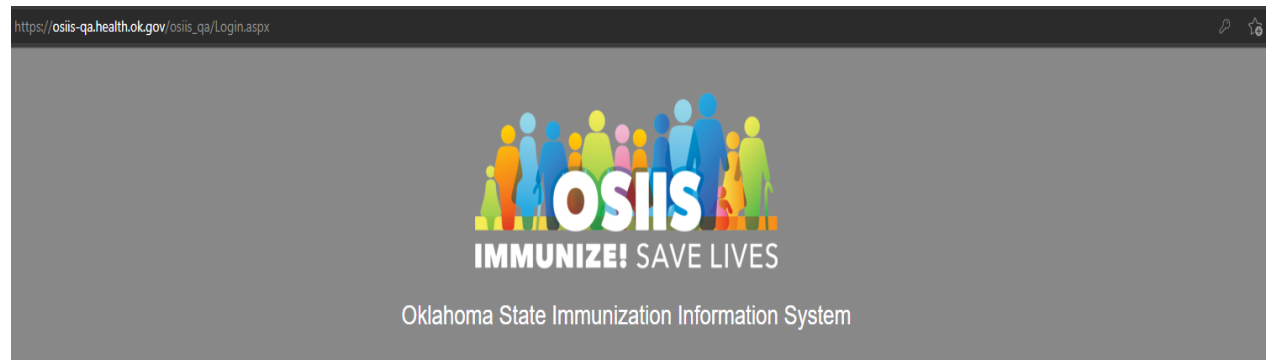
- Upon delivery of vaccine by CHD, the provider should complete 4 steps:
 1. Sign a Bill of Lading and keep a copy.
 2. Check that delivered vaccines are viable.
 3. Immediately place vaccines into storage according to [the guidelines](#) and label appropriately indicating expiration and/or Beyond-use dates (BUDs).
 - 4. Accept transfer in OSIS.**
- Questions about orders:
 - OSIS: OSISHelp@health.ok.gov
 - Vaccine ordering process: VaccineHelp@health.ok.gov
 - Order fulfillment/delivery: Contact CHDs (contacts will be shared in the follow-up email).



OSIIS Updates

Martin Lansdale, MPH
OSIIS Data Quality Coordinator

Updating Passwords in OSIIS



Login

Username

Password

[Forgot Password?](#)

[Trouble Logging in?](#)

[Request User Account](#)

NOTICE: You are about to gain access to an Oklahoma State Department of Health application. By proceeding, you are agreeing that all information made available to you through this application will be kept confidential. Any unauthorized access, use, and/or disclosure of information received by you through this application is a violation of federal and state law and will result in a loss of access privileges, an action for civil damages, an action for criminal charges, and/or disciplinary action including, but not limited to, suspension or dismissal. This release of protected health information is pursuant to an individual request as authorized under 45 C.F.R. § 164.524, 63 O.S. § 1-502.2, and/or other federal and state statutes, rules, and regulations.

Public Portal- If you need a shot record, please use the [OSIIS Public Portal](#) to download a copy of your record.

NOTICE: To access OSIIS as a provider or clinic, **all new providers/clinics** have to sign an Authorized Site Agreement (ASA). Click on the following link to complete the ASA: [OSIIS Authorized Site Agreement](#)



Shot Records: Public Portal

- OSIIS has a public portal that can be found at the below link:
 - https://osiis.health.ok.gov/osiis_public/Application/PublicPortal
 - **DISCLAIMER:** Not all shots are recorded in OSIIS as reporting private vaccine is not required.
- Patients can search and download a copy of their shot record for just covid shots or their complete immunization history through the portal.
- The public portal uses **patient name, date-of-birth, email, and phone number** for verification purposes (all have to be on the shot record in OSIIS or patients cannot pull their shot record).
- Currently OSIIS has a high amount of missing emails/phone numbers.
- Providers need to make sure to document email and phone number for the patient **and add/send it to OSIIS** with the shot record in order to increase the likelihood of a records match in the portal.



News

WELCOME TO THE
Oklahoma State Immunization Information System



Default Provider/Clinic

Provider/Clinic : TEST PROVIDER ONE, TEST PROVIDER ONE

SELECT A CLINIC BY TYPING PROVIDER, CLINIC, VFC PIN, OR CLINIC CODE



News

[09/28/2022] - Update: Pediatric Bivalent Vaccine Formulations Pediatric Bivalent Vaccines

- Applications for Pfizer and Moderna Pediatric Bivalent products are currently under consideration.
 - Pfizer: Children aged 5 – 11 years. NDC (59267-0565-02)
 - Moderna: Children aged 6 – 17 years. *More information will be released as it becomes available.*
- Pending potential FDA EUA for the new Pediatric bivalent COVID-19 boosters, CDC's Advisory Committee on Immunization Practices (ACIP) will convene to discuss potential recommendations.
 - Once scheduled, [ACIP meeting information is announced on the CDC website.](#)
- Both vaccines are expected to be approved for children *who have already completed a primary series.*
- Children will be eligible to receive a single bivalent Pfizer or Moderna booster if they received either of the following products:
 - Pfizer Adult Vaccine (children aged 12 – 17)
 - Moderna Vaccine (Children aged 12 – 17)
 - Pfizer Pediatric Vaccine (Children aged 5 – 11)

Pfizer Pediatric Bivalent

- For children aged 5 – 11
- New product with a new NDC



Moderna Booster in OSIS

Administer

Vaccination Time
[HH:MM AM/PM] (HH:MM A/P)

Vaccine COVID-19 mRNA (MOD) | **Administered By *** TEST, TRAIN (--)| **Refusal Reason ***

Mfg | Lot | Exp Date (MM/DD/YY) | Funding Src | Inv Loc | NDC | Brand *
(I) MOD | TEST1 | 04/21/22 | PAN | IITSTESTING2 | 80777-0273-99 | MODERNA

Did not Admin
Delete
VFC: Not VFC Eligible

Body Site * LD | **Route *** INTRAMUSCULAR | **Dosage** 0.25 | **Refusal Reason**



How To Guides

"How To" Guides

- [Moderna Booster OSIS Guide](#)
- [How to Turn On User Default Order Notifications](#)
- [Inventory Reconciliation](#)
- [How to Place a Covid-19 Vaccine Order](#)
- [Immunizing a Patient for COVID](#)
- [How to add an extra dose](#)
- [Wastage](#)



Reducing Vaccine Errors

Lauren Speer, BSN, RN.

Immunization & Communicable Disease
Nurse Consultant, Nursing Services

04/07/2023

Reducing Vaccine Errors

Lauren Speer BSN, RN
Immunization & Communicable Disease
Nurse Consultant, Nursing Services



OBJECTIVES

- **Vaccine errors and causes**
- **Ways to reduce vaccine errors**
- **What to do if you make a vaccine error**

Most Frequent Vaccine Errors

1. Wrong vaccine
2. Wrong age for vaccine
3. Wrong vaccine dose
4. Wrong vaccine interval
5. Improperly stored vaccine



Causes/Challenges of Vaccine Errors

- Distractions- busy clinic
- Changes in recommendations
- Easily misidentified products
- Staff Training- turn over
- Delayed vaccine schedules



Reducing Vaccine Errors

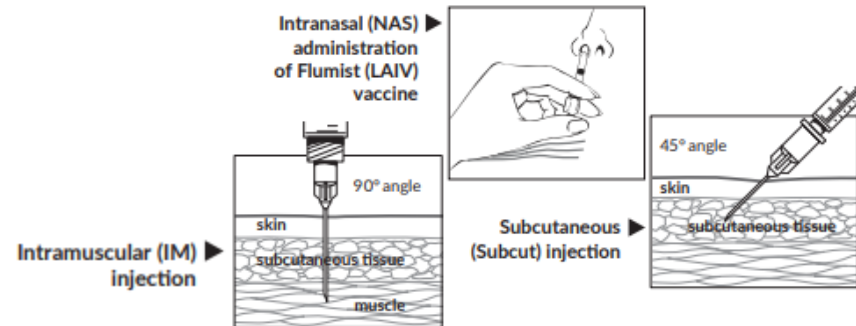
❑ Rights of Vaccine Administration

1. Right patient
2. Right time
3. Right vaccine and diluent



□ Cont. Rights of Vaccine Administration

4. Right dose
5. Right route, needle length, and technique
6. Right site
7. Right documentation



Injection Site and Needle Size		
Subcutaneous (Subcut) injection Use a 23-25 gauge needle. Choose the injection site that is appropriate to the person's age and body mass.		
AGE	NEEDLE LENGTH	INJECTION SITE
Infants (1-12 mos)	½"	Fatty tissue over antero-lateral thigh muscle
Children 12 mos or older, adolescents, and adults	½"	Fatty tissue over antero-lateral thigh muscle or fatty tissue over triceps
Intramuscular (IM) injection Use a 22-25 gauge needle. Choose the injection site and needle length that is appropriate to the person's age and body mass.		
AGE	NEEDLE LENGTH	INJECTION SITE
Newborns (1st 28 days)	½"	Anterolateral thigh muscle
Infants (1-12 mos)	1"	Anterolateral thigh muscle
Toddlers (1-2 yrs)	1-1¼"	Anterolateral thigh muscle ³
	½"-1"	Deltoid muscle of arm
Children (3-10 yrs)	½"-1"	Deltoid muscle of arm ³
	1-1¼"	Anterolateral thigh muscle
Adolescents and teens (11-18 yrs)	½"-1"	Deltoid muscle of arm ³
	1-1½"	Anterolateral thigh muscle
Adults 19 yrs or older		
Female or male <130 lbs	½"-1"	Deltoid muscle of arm
Female or male 130-152 lbs	1"	Deltoid muscle of arm
Female 153-200 lbs Male 153-260 lbs	1-1½"	Deltoid muscle of arm
Female more than 200 lbs Male more than 260 lbs	1½"	Deltoid muscle of arm
Female or male, any weight	1"-1½"	Anterolateral thigh muscle



Other Ways to Reduce Vaccine Errors

- Label your vaccines and separate vaccines into bins/trays when preparing vaccines.
- Store look-alike vaccines in different areas of the storage unit.
- Establish a “Do Not Disturb” or no interruption area or times when vaccines are being prepared.
- Triple-check work before administering or ask another staff member to check. (Double/triple checking what Accuvax has dispensed)
- Keep updated reference material posted in your work area.
- Clearly identify correct diluents for the correct vaccine.
- Integrate vaccine administration, storage and handling training.
- Rotate vaccine so that the earliest expiring vaccine is used first and remove expired vaccines/ diluents as soon as possible.
- Isolate vaccines exposed to improper temperatures and report.
- Create procedures to obtain a complete vaccine history and review OSIS for history.
- Be familiar on where to find reference information esp. catch-up guidance.
- Educate families on the importance of routine vaccine schedule.



What to do if a vaccine error has occurred?

What to do?

- ❖ Notify your supervisor.
- ❖ Fill out an incident report and email it to designated persons.
- ❖ File an online VAERS report at <https://vaers.hhs.gov/reportevent.html>
- ❖ Determine the cause of the error.
- ❖ Determine how to prevent the error from occurring again.
- ❖ Determine if the patient needs revaccination and at which interval.
- ❖ Notify the client or parent/guardian of incident and recommendations.



Resources

- <https://www.immunize.org/askexperts/>
- <https://www.cdc.gov/vaccines/schedules/index.html>
- <https://www.cdc.gov/vaccines/pubs/pinkbook/index.html>

References

- <https://www.cdc.gov/vaccines/hcp/admin/downloads/vaccine-administration-preventing-errors.pdf>
- <https://www.cdc.gov/vaccinesafety/hcproviders/reportingadverseevents.html>
- [Technically Speaking: Preventing Preventable Vaccine Administration Errors in Your Medical Setting | Children's Hospital of Philadelphia \(chop.edu\)](#)



Questions?

Thank you!

Questions/Suggestions

Looking Forward:

Next Call

June 2nd, 2023

at 12pm

Resources: Medical Updates & Immunization Site Training for All Healthcare Providers led by Pfizer Vaccines US Medical Affairs

Goal: Educate providers and immunization staff personnel on the proper use of the Pfizer-BioNTech COVID-19 Vaccines

To access dates and links for upcoming training sessions, please visit*:

<https://www.pfizermedicalinformation.com/en-us/medical-updates>



Resources

Testing:

- Nasopharyngeal, throat, saliva
- Testing@health.ok.gov

Monoclonal Antibodies: (Amanda Cavner)

- Antivirals@health.ok.gov
- <https://oklahoma.gov/covid19/what-you-should-know/monoclonal-antibody-therapies.html>

Vaccine:

- [COVID-19 Vaccines | FDA](#)
- [PREP Act Guidance](#)
- [Interim Clinical Considerations for Use of COVID-19 Vaccines | CDC](#)
- [COVID-19 Vaccination for Children | CDC](#)

- Pfizer: [Home \(cvdvaccine-us.com\)](https://www.cvdvaccine-us.com)
- Moderna: [What is Moderna COVID-19 Vaccine \(EUA\)? | How Does It Work? \(modernatx.com\)](#)
- J&J: [Resources for COVID-19 Vaccine Education | Johnson & Johnson \(jnj.com\)](#)
- Novavax: <https://us.novavaxcovidvaccine.com/hcp>



Resources/Tools

- OSIS Training: <https://osis.health.ok.gov/osis/Application/ApplicationHelp/Index>



Vaccine Inventory Adjustment: On-Hand Expired Vaccines

- **When reconciling inventory, check that your facility has no expired inventory on hand.**
 - Navigate to the *Vaccine Inventory On-Hand* screen by selecting:
 - **Inventory > Vaccines > On-Hand** from the left-hand menu.
- Change the Status from On-Hand to Depleted/Expired
- Locate the Filter tab
- Locate the vaccine inventory item requiring an inventory adjustment.
- Click the corresponding **Action** button and select **Adjustment**.
- Complete the following required fields:
 - **Date** (enter the actual date on which the inventory was wasted)
 - **Reason** (select Vtrcks Other)
 - **Modification** (if a value does not default, select Add or Subtract to make the corresponding adjustment)
 - **Doses Adjusted** (enter the number of doses wasted for the selected reason)
 - **Comments** (Expired)
- Click the **Create** button.
- Click the **On-Hand** menu item to return to the *Vaccine Inventory On-Hand* screen where you can verify the inventory was adjusted correctly.
- **See attached video on Resources/Tools**

QAs From Live Call

