

COVID VACCINE AGE INDICATIONS, ADMINISTRATION AND INTERVALS

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AGE INDICATIONS

- Moderna
- 18 years and older
- Pfizer
- 12 years and older
- Pediatric Pfizer
- 5 to 11 years of age
- Janssen
- 18 years and older

PRIMARY VACCINE INTERVALS

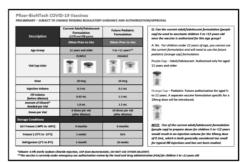
- Moderna
- Second dose should be scheduled 28 days after first dose
- Pfize
- Second dose should be scheduled 21 days after first dose
- Pediatric Pfizer
- Second dose should be scheduled 21 days after first dose
- Janssen
- No second dose needed, one dose series

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VACCINE SERIES

- The Centers for Disease Control and Prevention (CDC) recommend that the booster is with the same dose the primary series was.
 - However, if you do have a patient requesting a different vaccine than previously received, they can be vaccinated with that vaccine.

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BOOSTER DOSES	
PFIZER AND MODERNA BOOSTER DOSES	
Indicated for: 65 years and older 18 years and older who live in a long term care setting 18 years and older who have underlying medical conditions https://www.odc.gov/coronavirus/2019-ncov/need-extra-precautions/people-with-medical-conditions.html People who work or live in high-risk settings age 18- 64 years Booster should be 6 months after second dose Moderna booster are 0.25mL	
JANSSEN BOOSTER DOSE	
 Indicated for: 18 years and older Booster dose at least 2 months after your first dose 	

	STORAGE UNITS AND TEMPERATURE MONITORING DEVICES		
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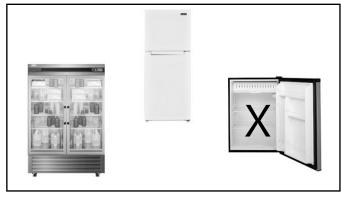
STORAGE UNITS

- Freezer
- -50° to -15°C (-58° to 5°F)
- Refrigerator
- 2° to 8°C (36° to 46°F)
- CDC recommendation is to use purpose-built or pharmaceutical-grade units designed to either refrigerate or freeze. These units can be compact, under-the-counter style or large.

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STORAGE UNITS

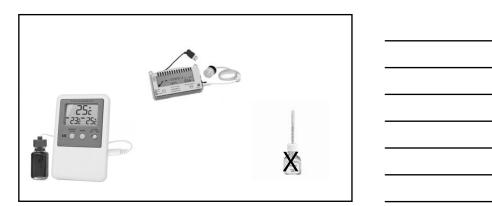
■ Household-grade units can be an acceptable alternative to pharmaceutical-grade vaccine storage units. As long as the storage unit maintains the appropriate temperatures. ■ Dorm-style units cannot be used.



THERMOMETERS

- The CDC recommends the use of a digital data logger (DDL).
- A DDL provides the most accurate storage unit temperature information, including details on how long a unit has been operating outside the recommended temperature range.
- Min/Max thermometers are acceptable in the instance that the provider office cannot obtain a DDL.
- Mercury thermometers are not acceptable.

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TEMPERATURE DOCUMENTATION	
TEIM EIGHT DOCOMENTATION	
 Check and record storage unit minimum and maximum temperatures at the start of each workday. 	
Record:Minimum/maximum temperature	
■ Date ■ Time	
 Name of person who checked and recorded the temperature Any actions taken if a temperature excursion occurred 	
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STORAGE BEST PRACTICES	
 Vaccine should be stored in the unit away from the sides and front of the unit. 	
 Vaccine should not be stored in the vegetable crisper, in the door or under air vents. 	
Thermometers should be placed in the middle of the unit with the vaccine.	
with the vaccine.	
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VACCINE STORAGE

MODERNA
■ Vaccine can be stored:
 Freezer at -50° to -15°C (-58° to 5°F) for up to 6 months. Refrigerator at 2° to 8°C (36° to 46°F) for up to 30 days. DO NOT
REFREEZE VACCINE.
 Room temperature for up to 24 hours prior to puncturing the vial. Vaccine should always be stored in the cartons the vaccine
is shipped in. If taking out smaller quantities, they should
be stored in a tray.
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MODERNA
■ Vaccine thawing prior to administration:
■ Thaw in refrigerated conditions between 2°C to 8°C (36° to 46°F)
for 2 hours and 30 minutes. Let vial stand at room temperature for 15 minutes before administering or
■ Thaw at room temperature for 1 hour
Punctured vials need to be discarded after 12 hours.
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JANSSEN
■ Vaccine can be stored:

up to 12 hours.

Long-term storage at -20°C for 2 years by manufacturer or distributor ONLY, not by end-user.
 Unpunctured vials can be stored at 2°C to 8°C (36°F to 46°F) for

Unpunctured vials can be stored at 9°C to 25°C (47°F to 77°F) for

up to 6 months. **DO NOT FREEZE VACCINE**.

JANSSEN
Vaccine thawing prior to administration:
 Thaw in refrigerated conditions between 2°C to 8°C (36° to 46°F) for 2 hours. Let vial stand at room temperature for 15 minutes before administering or
 Thawing vaccine at room temperature (maximally 25°C/77°F). A carton of 10 vials will take ~2 hours, and individual vials will take approximately ~1 hour.
Punctured vials need to be discarded after 6 hours.
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JANSSEN
■ After the first dose is withdrawn, hold vial between 2°C to

PFIZER

- Vaccine can be stored:
- Ultra-cold freezer at temperatures of -90 to -60°C (-112 to -76°F) for up to 6 months in the trays.
- Alternatively, vials may be stored at -25°C to -15°C (-13°F to 5°F) for up to 2 weeks.
- Vials stored at -25°C to -15°C (-13°F to 5°F) for up to 2 weeks may be returned one time to the recommended storage condition of -90°C to -60°C (-112°F to 76°F). Total cumulative time the vials are stored at -25°C to -15°C (-13°F to 5°F) should be tracked and should not exceed 2 weeks. NOTE Difference from routine frozen vaccines.

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- Pfizer thermal shipper for the 1,170 package quantities at -90 to -60°C (-130 to -76°F) for up to 30 days with dry ice replenishment (from the warehouse) within the first 24 hours of receiving and then every 5 days up to 30 days, then vaccine would need to be either placed in an ultra-cold freezer, pharmaceutical freezer or the refrigerator.
- Refrigerator at 2° to 8°C (36° to 46°F) for up to 31 days in the Pfizer tray or another tray. DO NOT REFREEZE VACCINE.

PFIZER

- Room temperature for no more than 2 hours prior to dilution, this is cumulative time for each vial. At that time vaccine will need to be placed in the refrigerator. After dilution vaccine can either be store in the refrigerator or at room temperature.
- Vaccine should always be stored in the cartons the vaccine is shipped in. If taking out smaller quantities, they should be stored in a tray.

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PFIZER

- Vaccine thawing prior to administration:
- Thaw for 3 hours at 2° to 8°C (36° to 46°F) or 30 minutes at room temperature
- Using either thawing method, vials must reach room temperature before dilution and must be diluted within 2 hours or placed in the refrigerator
- Punctured vials need to be discarded after 6 hours

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- Vaccine can be stored:
- Ultra-cold freezer at temperatures of -90 to -60°C (-112 to -76°F) for up to 6 months in the trays.
- Refrigerator at 2° to 8°C (36° to 46°F) for up to 10 weeks in the Pfizer tray or another tray. DO NOT REFREEZE VACCINE.

DO NOT FREEZE

Store at 2° - 8° C (36° - 46° F)

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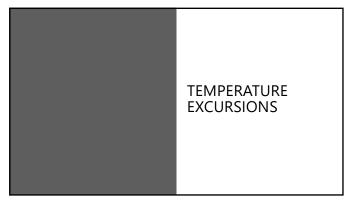
PEDIATRIC PFIZER

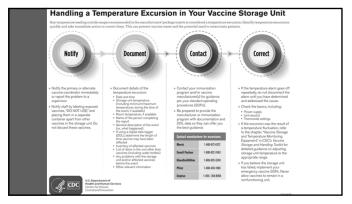
Room temperature for no more than 12 hours prior to dilution, this is cumulative time for each vial. At that time vaccine will need to be placed in the refrigerator. After dilution vaccine can either be store in the refrigerator or at room temperature.

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PEDIATRIC PFIZER

- Vaccine thawing prior to administration:
- Thaw for up to 4 hours at 2° to 8°C (36° to 46°F) or 30 minutes at room temperature
- Using either thawing method, vials must reach room temperature before dilution and must be diluted within 12 hours or placed in the refrigerator
- Punctured vials need to be discarded after 12 hours





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TEMPERATURE EXCURSION

- Manufacturer phone listing
 https://www.health.nd.gov/sites/www/files/documents/Files/MSS/Immunizations/Storage_Handling/VaccineManufacturerPhoneList.pdf
- Online excursion report form https://ndhealth.co1.qualtrics.com/jfe/form/SV_5chLQNgm1ts45y5

STORAGE AND HANDLING POWER SUPPLY

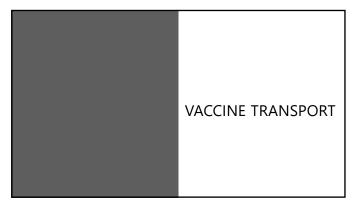
 Post "DO NOT UNPLUG" warning signs at outlets and on storage units to alert staff not to unplug units
 Refrigerator Contains Vaccines!



 Label fuses and circuit breakers to alert staff and contractors not to turn off power supply



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VACCINE TRANSPORT

- Vaccine transport is discouraged whenever possible.
- If providers must transport vaccine, data loggers must be used at all times.
- Transport temperature charts must be submitted to the immunization program anytime VFC vaccine is transported.
- Temperatures should be checked every 30 minutes.
- VFC or state-supplied vaccine must be transported in qualified coolers.
- Never leave vaccine unattended in a car for long periods of time, and never store in a trunk.

VACCINE TRANSPORT CONTINUED

- All vaccines transfers (between providers) must be approved by the immunization program.
- Vaccine should never be stored in a transport cooler for more than 8 hours.
- Frozen vaccine must be transported in a frozen transport cooler, cannot use dry ice or transport refrigerator.

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VACCINE EXPIRATION

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VACCINE EXPIRATION DATES

- Janssen vaccine expiration date <u>www.vaxcheck.jnj</u>
- Moderna vaccine expiration date https://www.medinfo.modernatx.com/tools



Pfizer refer to the vial





VACCINE EXPIRATION DATES

• Pediatric Pfizer refer to the vial for the manufacture date and add 6 months to that date.





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NORTH DAKOTA IMMUNIZATION PROGRAM

North Dakota Immunization Program Staff

Molly Howell, MPH Program Manager

Abbi Berg, MPH Phone: 701.328.3324
VFC/Quality Improvement Manager Email: alberg@nd.gov Miranda Baumgartner VFC/QI Coordinator (West)

Sherrie Meixner VFC/QI Coordinator (East)

Ally Schweitzer COVID-19 Vaccine Coordinator

Phone: 701.328.4556 Email: mahowell@nd.gov

Phone: 701.328.2035 Email: mlbaumgartner@nd.gov

Phone: 701.541.7226 Email: smeixner@nd.gov

Phone: 701-204-1604 Email: dpinnick@nd.gov

Phone: 701-955-5286 Email: aschweitzer@nd.gov

Mary Woinarowicz, MA NDIIS Manager

Rachel Goebel, MPH NDIIS Coordinator

NDIIS Data Quality Coordinator Phone: 701.328.4169 Email: Vacant

Andrew Bjugstad Phone: 701-955-5140 COVID-19 Vaccine Coordinator Email: abjugstad@nd.gov

Phone: 701.328.2404 Email: mary.woinarowicz@nd.gov

Phone: 701.214.7322 Email: rgoebel@nd.gov

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POST-TEST

- Nurses interested in continuing education credit, visit https://ndhealth.co1.qualtrics.com/jfe/form/SV_3CWsX6hgTUBZRS6
- Successfully complete the five-question post-test to receive your certificate
- Credit for this session available until December 8, 2021
- This presentation will be posted to our website: www.ndhealth.gov/immunize