

# COVID-19 Vaccine Storage & Handling

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# Louisiana COVID-19 Vaccination Guidelines

- Everyone (16 years and older) can be vaccinated.
- **Order COVID-19 vaccine in LINKS.** Second doses are not automatically ordered. You must order every dose you need.
- All vaccine doses administered must be entered into LINKS within **24 hours and inputted as administered**, NOT historical.

COVID-19

**Vaccine Delivery**

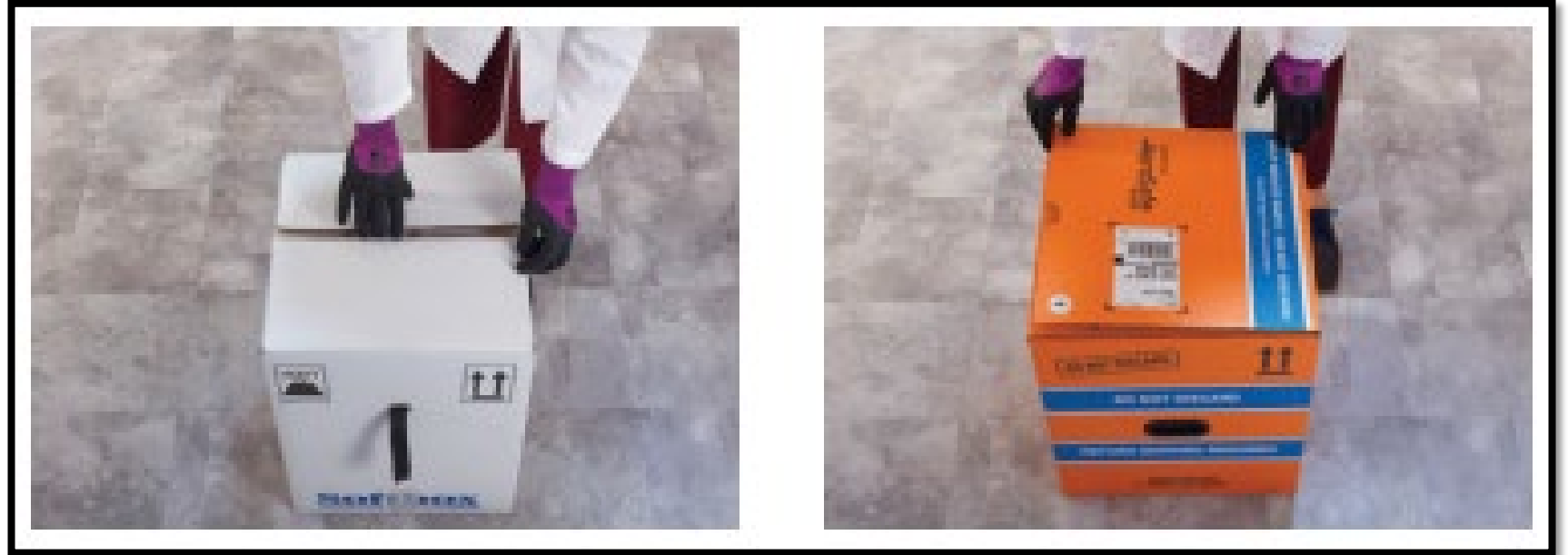
Storage &  
Handling for  
Moderna  
COVID-19  
Vaccine:  
Direct from  
McKesson



- Vaccine will arrive **frozen**
- Larger quantities

Storage &  
Handling for  
Pfizer-  
BioNTech  
COVID-19  
Vaccine:  
Direct from  
Pfizer

# Thermal Shipper



- Shipped in thermal shipping container
- Vaccine arrives **frozen**
- Larger quantities

Storage &  
Handling for  
Moderna  
COVID-19  
Vaccine:  
Morris &  
Dickson

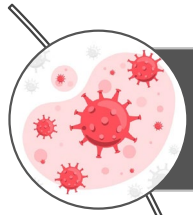


- Vaccine will arrive **thawed**
- Smaller Quantities

# Johnson & Johnson (Janssen)

COVID-19 Vaccine

# Overview of the Johnson & Johnson COVID-19 Vaccine



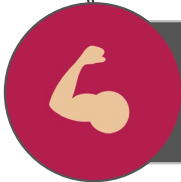
## Vaccine Type:

- Viral Vector Vaccine



## Age indication:

- 18 years or older.



## Dose & Route:

- 0.5 mL; intramuscular



## Schedule:

- Single dose



## Dose Preparation:

- 5 doses per vial



# Johnson & Johnson | **STORING VACCINE VIALS**

## Refrigerator

2°C to 8°C (36°F to 46°F)

- Store up to the expiration date
- DO NOT store frozen
- Protect from light
- You can find the expiration date at

[vaxcheck.jnj](https://vaxcheck.jnj.com)



## Refrigerator

2°C to 8°C (36°F to 46°F)

- Keep refrigerated until thawed (if arrived frozen).
- **PUNCTURED VIALS:** Viable up to 6 hours

## Room Temperature

Up to 25°C (Up to 77°F)

- If arrived frozen and needed immediately, thaw for 1 to 2 hours.
- **UNPUNCTURED VIALS:** Viable up to 12 hours kept at 9°C to 25°C (47°F to 77°F)
- **PUNCTURED VIALS:** Viable up to 2 hours

Visually inspect the Johnson & Johnson COVID-19 vaccine vials for other particulate matter and/or discoloration prior to administration.

Before withdrawing each dose of vaccine, carefully mix the contents by swirling gently in an upright position for 10 seconds. Do not shake.

Each dose must contain 0.5 mL of vaccine.

Record the date and time of first use on the J & J COVID-19 vaccine vial label.

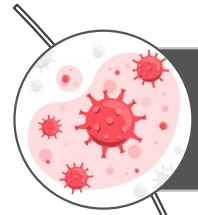
Administer the dose intramuscularly.



# Moderna

COVID-19 Vaccine

# Overview of the Moderna COVID-19 Vaccine



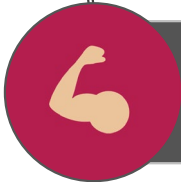
## Vaccine Type:

- mRNA Vaccine



## Age indication:

- 18 years or older.



## Dose & Route:

- 0.5 mL; intramuscular



## Schedule:

- 0, 28 days



## Dose Preparation:

- Multi-dose; 10 doses per vial

## Freezer

**-50°C to -15°C (-58°F to 5°F)**

- Store up to the expiration date
- DO NOT store on dry ice or below -50°C (-58°F)
- You can find the expiration date online at

**[Modernatx.com](https://www.modernatx.com)**



## Refrigerator

**2°C to 8°C (36°F to 46°F)**

- Store up to 30 days prior to first use
- DO NOT refreeze once thawed
- Thawed vials can be handled in room light conditions



## Refrigerator

2°C to 8°C (36°F to 46°F)

- 2.5 hours to thaw from frozen
- Let the vial stand at room temperature for 15 minutes before administering
- **PUNCTURED VIALS:** Viable up to 12 hours

## Room Temperature

Up to 25°C (Up to 77°F)

- 1 hour to thaw from frozen
- **UNPUNCTURED VIALS:** Viable up to 24 hours
- **PUNCTURED VIALS:** Viable up to 12 hours

# Moderna | ADMINISTERING

Swirl vial gently after thawing and between each withdrawal. Do not shake or dilute the vaccine.

Visually inspect the Moderna COVID-19 vaccine vials for other particulate matter and/or discoloration prior to administration.

Each dose must contain 0.5 mL of vaccine.

Record the date and time of first use on the Moderna COVID-19 vaccine vial label.

Administer the dose intramuscularly.

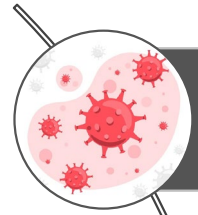




# Pfizer- BioNTech

COVID-19 Vaccine

# Overview of the Pfizer- BioNtech COVID-19 Vaccine



## Vaccine Type:

- mRNA vaccine



## Age indication:

- 16 years or older.



## Dose & Route:

- 0.3 mL; intramuscular



## Schedule:

- 0, 21 days



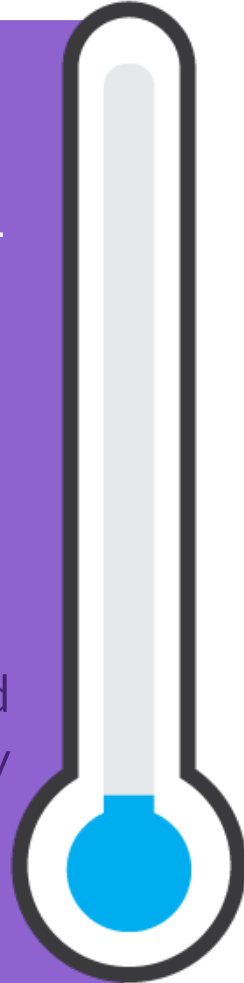
## Dose Preparation:

- Multi-dose; 5-6 doses per vial | Reconstitute with diluent

Pfizer | **STORING VACCINE VIALS****Ultra-Low Temperature  
(ULT) Freezer**

-80°C to -60°C (-112°F to -76°F)

- Store up to the expiration date printed on the label
- Vials must be kept frozen and protected from light until ready to use.

**Freezer**

-25°C to -15°C (-13°F to 5°F)

- Store up to 2 weeks
- After two weeks can either be:
  - Returned to ULT freezer once
  - Stored in the refrigerator up to 5 days
- Protect from light until ready to use

**Refrigerator**

2°C to 8°C (36°F to 46°F)

- Store up to 5 days prior to first use
  - 4.5 days if delivered thawed
- DO NOT refreeze once thawed



# Pfizer | ADMINISTERING

## Refrigerator

2°C to 8°C (36°F to 46°F)

- 195 vials may take 2 to 3 hours to thaw from frozen
- Let the vial stand at room temperature for 15 minutes before administering
- **RECONSTITUTED VIALS:** Viable up to 6 hours

## Room Temperature

Up to 25°C (Up to 77°F)

- About 30 minutes to thaw from frozen
- **UNDILUTED VIALS:** Viable up to 2 hours, undiluted – must be reconstituted within the first 2 hours.
- **RECONSTITUTED VIALS:** Viable up to 6 hours after dilution. Use within 6 hours from the time of dilution.

# Pfizer | ADMINISTERING

Invert the vaccine vial gently 10 times. Do not shake. Inspect the liquid.

Dilute the vial content using 1.8 mL of 0.9% Sodium Chloride Injection, USP.

Gently invert the vial 10 times to mix.

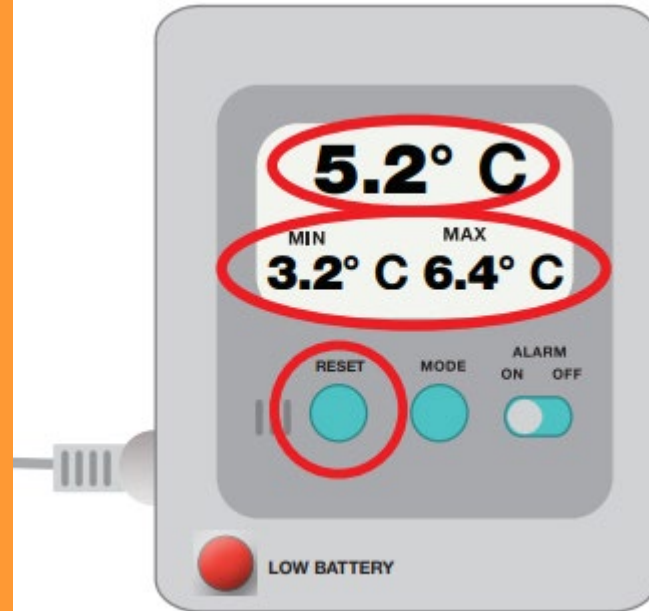
Record the date and time of first use on the Pfizer COVID-19 vaccine vial label.

Withdraw 0.3 mL of the vaccine using a low dead-volume syringe.

Administer the dose intramuscularly.



# Preventing Vaccine Wastage



- Check and record min/max temperatures at the start of the workday.
- Report out-of-range temperatures immediately to the vaccine manufacturer.

## Johnson & Johnson

- 1-800-JANSSEN
- Excursion Tracker: <https://www.janssenmd.com/janssen-covid19-vaccine/interactive-content/stability-information>

## Moderna

- excursions@modernatx.com
- Excursion tracker: <https://tools.modernamedinfo.com/excursion/>

## Pfizer

- 1-800-438-1985 opt. 3

# Preventing Vaccine Wastage

- Use older vaccine first.
- Place “DO NOT UNPLUG” stickers next to electrical outlets and circuit-breaker boxes vaccine-storage units are connected to.





# Preventing Vaccine Wastage

- Maintain a **list of alternative/backup vaccine recipients** in case scheduled recipients are not administered the vaccine.
- Post on vaccine-storage units a **plan detailing vaccine-handling procedures** in the event of an emergency (e.g., power outage, natural disasters), including transfer to a designated alternate vaccine-storage site.

# Questions?