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# COVID-19 Vaccine Update

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CLINICAL PROFESSOR OF PEDIATRICS,  
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**July 14, 2021:** The information presented here is current as of today's date unless otherwise noted. All data are provisional. For the latest information, reference links within the presentation or visit [www.erie.gov/covid19](http://www.erie.gov/covid19)



# Why vaccinate?

- ▶ COVID-19 can cause serious disease and death, including during pregnancy and for newborns.<sup>1</sup>
- ▶ COVID-19 vaccine is safe and effective, including during pregnancy.<sup>2</sup>
- ▶ COVID-19 vaccine works.
  - ▶ 96% of 183 Erie County COVID-19 related deaths reported in April – June were NOT fully vaccinated.
  - ▶ 0.16% of fully vaccinated with breakthrough COVID-19
- ▶ Primary care is the best setting to offer COVID-19 vaccine, just like flu or any other vaccine.
  - ▶ Those who have not yet been vaccinated will likely only agree if encouraged by their PCP.<sup>3</sup>



<sup>1</sup><https://jamanetwork.com/journals/jamapediatrics/fullarticle/2779182?resultClick=1>

<sup>2</sup><https://www.cdc.gov/coronavirus/2019-ncov/vaccines/safety.html>

<sup>3</sup><https://www.nejm.org/doi/full/10.1056/NEJMp2106137>

# What has changed with COVID-19 vaccine

- ▶ There is no minimum or maximum COVID-19 vaccine order requirement from ECDOH.
  - ▶ COVID-19 vaccine available from ECDOH to community providers Monday - Friday with 24 hours' notice.
- ▶ COVID-19 vaccine storage is compatible with community provider vaccine refrigerator storage systems.
  - ▶ Pfizer and Moderna vaccines may be stored in vaccine refrigerator (2-8°C/36-46°F) for up to 31 and 30 days, respectively.
  - ▶ Janssen vaccine, stored refrigerated, remains stable until its expiration date.



# What has changed with COVID-19 vaccine

*continued*

- ▶ No minimum interval between COVID-19 vaccine and other vaccine administration.
  - ▶ May administer COVID-19 vaccines and other vaccines without regard to timing. (i.e., simultaneous administration of COVID-19 vaccines and other vaccines on same day or co-administration within 14 days)
- ▶ NYSDOH eliminated penalties for responsible wastage of COVID-19 vaccine if a provider cannot use all doses in a vial due to low demand.
  - ▶ While enrolled providers should follow best practices to use every dose possible, but not be at the expense of missing an opportunity to vaccinate every eligible person when they are ready to get vaccinated.



# Erie County COVID-19 vaccination rates, % with >1 vaccine dose

- ▶ 85% of adults > 65 yrs
- ▶ 69% of adults ages >20 yrs
- ▶ 49% of 16-17 yr olds
- ▶ 40% of 12-15 yr olds



# New York State COVID-19 Vaccination Demographics: Age Group

Data as of: 7/12/2021 11 AM

Region

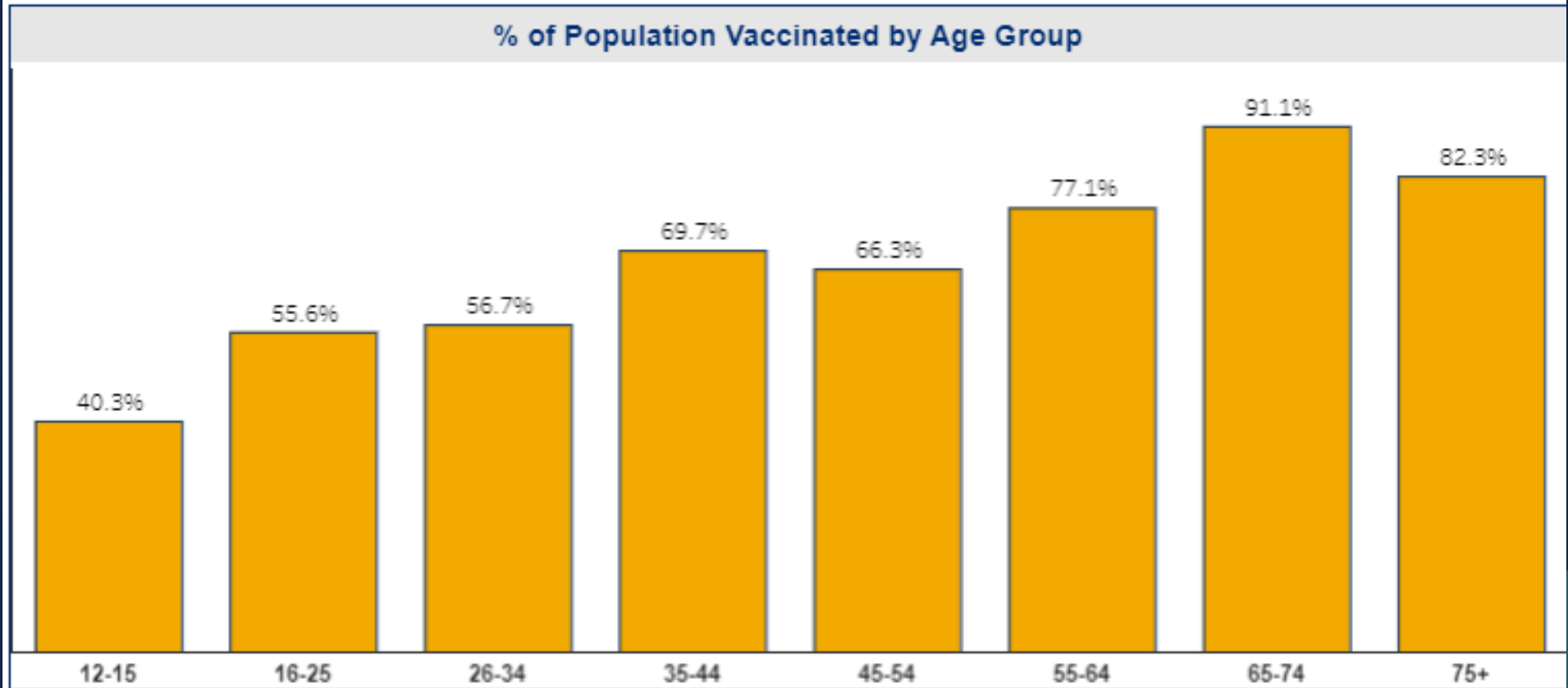
(All)

County

Erie

☒ People with at least one Vaccine Dose

☐ People with completed Vaccine Series



# Erie County COVID-19 Vaccine: ZIP Codes

Zipcode	City	% of 0-19 population vaccinated (with at least one dose)	% of 20-34 population vaccinated (with at least 1 dose)	% of 35-64 population vaccinated (with at least 1 dose)	% of 65+ population vaccinated (with at least 1 dose)	% of 20+ Population Vaccinated
14112	North Evans	n/a	15.6%	n/a	46.7%	33.4%
14034	Collins	17.8%	22.4%	28.9%	79.3%	34.5%
14061	Farnham	1.1%	12.0%	40.5%	100.0%	36.7%
14070	Gowanda	11.4%	21.1%	36.5%	64.3%	37.9%
14035	Collins Center	0.0%	100.0%	30.2%	100.0%	44.4%
14030	Chaffee	9.6%	37.3%	41.7%	70.5%	47.5%
14211	Buffalo	12.5%	34.6%	54.4%	69.0%	50.8%
14208	Buffalo	10.6%	34.2%	61.7%	58.1%	51.1%
14170	West Falls	15.4%	51.2%	42.1%	100.0%	52.6%
14215	Buffalo	10.2%	32.9%	56.6%	88.7%	53.4%
14206	Buffalo	13.7%	40.6%	56.7%	65.4%	54.0%
14004	Alden	13.7%	38.8%	52.0%	73.1%	54.3%
14210	Buffalo	14.9%	38.5%	59.8%	72.1%	54.4%
14080	Holland	14.3%	40.7%	49.6%	83.7%	55.6%
14204	Buffalo	8.7%	41.8%	55.6%	75.2%	55.6%
14111	North Collins	14.7%	39.7%	50.9%	100.0%	55.8%
14025	Boston	16.0%	57.4%	53.8%	60.0%	56.1%
14212	Buffalo	12.8%	45.4%	61.7%	71.5%	58.7%
14055	East Concord	12.8%	46.6%	49.4%	100.0%	58.7%
14207	Buffalo	13.2%	38.9%	73.8%	75.2%	59.9%
14218	Lackawanna	11.7%	39.1%	63.3%	82.9%	60.6%





# COVID-19 Vaccine Redistribution

SARAH HOPSEKER, PHARMD

ERIE COUNTY DEPARTMENT OF HEALTH

# Vaccine Request Form

- ▶ No minimum or maximum quantity requirements
  - ▶ Pfizer – 6 doses per vial
  - ▶ Moderna – Maximum 11 doses per vial (10 -11 doses per vial)
- ▶ Requests can be made at any frequency
  - ▶ Weekly/biweekly/monthly
- ▶ Completed forms may be submitted to [Sarah.Hopseker@erie.gov](mailto:Sarah.Hopseker@erie.gov) and [Melissa.Calhoun@erie.gov](mailto:Melissa.Calhoun@erie.gov)

# Pick-Up Location

- ▶ **500 Commerce Dr. Amherst, NY 14228 Suite 1**
- ▶ Park in the front parking lot and call 716-406-7545
- ▶ A member of the vaccine distribution team will meet you at the front door
- ▶ Hours: Monday – Friday 8:30 AM – 4 PM

# Cooler Requirements

- ▶ Acceptable coolers: Hard-sided coolers or polystyrene/Styrofoam coolers
  - ▶ Soft-sided coolers should not be used for transport
- ▶ Thermometer and temperature probe required
- ▶ Temperature Requirements:
  - ▶ Refrigerated transport: **2 – 8 °C / 36 – 46 °F**
  - ▶ Frozen transport:
    - ▶ **Moderna: -50 to -15 °C / -58 to 5 °F**
    - ▶ **Pfizer: -25 to -15 °C / -13 to 5 °F**

# Beyond Use Dates

- ▶ Pfizer: Unpunctured vials must be used within 31 days after thawing begins
  - ▶ After the vial is punctured: Contents must be used within 6 hours
- ▶ Moderna: Unpunctured vials must be used within 30 days after thawing begins
  - ▶ After the vial is punctured: Contents must be used within 12 hours

# Special Considerations

- ▶ Pfizer vaccine must be reconstituted
  - ▶ 1.8 mL of 0.9% NaCl
  - ▶ Diluent will be provided
- ▶ Moderna does NOT require reconstitution

# Transport Form

Send completed form to  
[Sarah.Hopseker@erie.gov](mailto:Sarah.Hopseker@erie.gov)

## COVID-19 Vaccine Transport Tracking Sheet

Providers must email completed Vaccine Transport Tracking Sheet to [covid19vaccine@health.ny.gov](mailto:covid19vaccine@health.ny.gov). Please include "transport tracking" in the subject line.

Date of transport: \_\_\_\_\_ Name of provider releasing vaccine: \_\_\_\_\_ PIN: \_\_\_\_\_

Name of contact person at releasing provider: \_\_\_\_\_ Phone number of contact person: \_\_\_\_\_

Temperature of releasing storage unit on day of transport: \_\_\_\_\_ °C \_\_\_\_\_ °F Time placed in transport container: \_\_\_\_\_ AM \_\_\_\_\_ PM

Vaccines will be transported (Select one):

☐ Refrigerated

2°C to 8°C (36°F to 46°F)

- Moderna, Pfizer, and Janssen vaccines
- Use portable refrigerator unit or qualified container and packout with DDL
- Keep vaccines out of direct sunlight
- Transport only full, unpunctured vials
- Minimize shocks and vibrations during transport
- Include hours used for transport when calculating the beyond use date (BUD) for Moderna and Pfizer vaccines
- **Never refreeze thawed vaccine**

☐ Frozen

Varies by manufacturer (see below)

- Moderna and Pfizer vaccine
- Use a portable freezer unit or qualified container and packout with DDL
- Never transport or store Moderna vaccine on dry ice or below -50° C (-58° F)
- Moderna frozen temperature range is -50° C to -15° C (-58° F to 5° F)
- Keep vaccine out of direct sunlight
- Pfizer frozen temperature range is -25° C to -15° C (-13° F to 5° F)
- Include hours of transport in 2-week limit for Pfizer frozen storage
- Pfizer vaccine transported frozen may be returned to ULT storage one time
- **Never refreeze thawed vaccine**

☐ Ultra-frozen

-80°C to -60°C (-112°F to -76°F)

- Pfizer vaccine only
- Use original thermal shipping container with dry ice or a portable ultra-cold freezer that can maintain a temperature of -80° C (-112° F)
- Transport only full trays of Pfizer vaccine at ultra-frozen temperatures
- Keep tray(s) in original packaging to protect vaccine from light
- Do not open trays or remove any vials until ready to thaw
- Place trays in ultra-cold storage within five minutes of unpacking
- Once removed from ultra-cold storage, vaccine must be used within one month (31 days)
- **Never refreeze thawed vaccine**

Vaccines included in this transport (Attach additional sheets if needed):

Manufacturer	Lot #	Expiration Date	Beyond Use Date (BUD) <sup>1</sup>	# of Doses <sup>2</sup>	Cold Chain Maintained (Y/N) <sup>3</sup>	Comments

<sup>1</sup> The BUD for Moderna vaccine will be 30 days after thawing begins. The BUD for Pfizer vaccine is 14 days in the freezer and 31 days after thawing begins.

<sup>2</sup> After 2/16/2021, count six doses per vial for Pfizer vaccine.

<sup>3</sup> If temperature goes out of range during transport, report immediately to [vaccinatempeexcursion@health.ny.gov](mailto:vaccinatempeexcursion@health.ny.gov)

Name of provider receiving vaccine (or alternate storage location): \_\_\_\_\_ PIN: \_\_\_\_\_

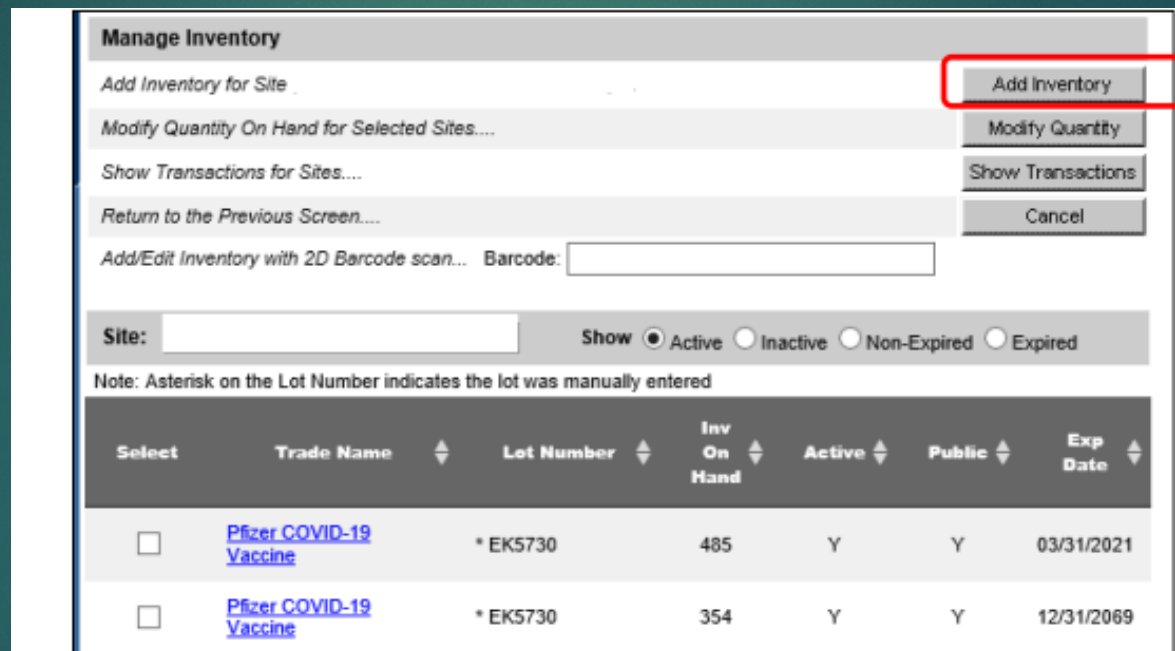
Name of contact person at receiving provider: \_\_\_\_\_ Phone number of contact person: \_\_\_\_\_

Time arrived at receiving location: \_\_\_\_\_ AM \_\_\_\_\_ PM Temperature of transport container upon arrival: \_\_\_\_\_ °C \_\_\_\_\_ °F

Temperature of receiving storage unit on day of transport: \_\_\_\_\_ °C \_\_\_\_\_ °F Maximum temperature reached during transport: \_\_\_\_\_ °C \_\_\_\_\_ °F

# NYSIIS Inventory

- Manually add the vaccine information into NYSIIS inventory



**Manage Inventory**

Add Inventory for Site  **Add Inventory**

Modify Quantity On Hand for Selected Sites.... **Modify Quantity**

Show Transactions for Sites.... **Show Transactions**

Return to the Previous Screen.... **Cancel**

Add/Edit Inventory with 2D Barcode scan... Barcode:

Site:  Show ☒ Active ☐ Inactive ☐ Non-Expired ☐ Expired

Note: Asterisk on the Lot Number indicates the lot was manually entered

Select	Trade Name	Lot Number	Inv On Hand	Active	Public	Exp Date
<input type="checkbox"/>	<a href="#">Pfizer COVID-19 Vaccine</a>	* EK5730	485	Y	Y	03/31/2021
<input type="checkbox"/>	<a href="#">Pfizer COVID-19 Vaccine</a>	* EK5730	354	Y	Y	12/31/2069

Add Vaccine Inventory Information

Site:

Trade Name: Pfizer COVID-19 Vaccine

Manufacturer: Pfizer, Inc.

Funding Type: Public

NDC: 59267-1000-02  
Pfizer COVID-19 Vaccine,975 dose

Lot Number: EH9899  
Note: Please enter Lot Number found on OUTER Packaging

Expiration Date: 03/31/2021

Lot Active: Yes

Doses on Hand: 25

Cost Per Dose (\$): 0.00

Save

Cancel

\*All COVID-19 vaccine is Funding Type 'Public'

# Wasted Doses

- ▶ Select **manage returns and wastage** on the left hand side of NYSIIS home page
- ▶ Select **Create Request**

## Inventory

manage inventory  
inventory not deducted  
inv not deducted report  
check not deduct status  
manage orders  
manage transfers  
record temp log  
manage returns and  
wastage  
vaccine loss report  
vaccine loss status

### Manage Returns/Wastage Requests

Create Request

#### Current Returns/Wastage

User	Submit Date	Status	Request #
------	-------------	--------	-----------

- ▶ Select correct lot number/expiration date, reason for wastage, and quantity wasted
- ▶ Enter a Request Note to describe the waste being reported
- ▶ Select **Save and Submit**
- ▶ Select **OK**

Public Lots Available							Quantity	Add Line
Trade Name	Packaging	NDC Number	Lot Number	Expiration Date	Doses on Hand	Returns/Wastage Reason		
Pfizer COVID-19 Vaccine	Pfizer COVID-19 Vaccine, 975 dose	59267-1000-02	EL3246	04/30/2021	1	<b>--Returns--</b> Expired Expired- Shortened expiration date Failure to store properly upon receipt Equipment failure (refrigerator/freezer) Natural disaster/Power Outage Refrigerator too cold Refrigerator too warm Freezer too warm Spoiled- other Recall Returned- Other		Add Line
Pfizer COVID-19 Vaccine	Pfizer COVID-19 Vaccine, 975 dose	59267-1000-02	EL3248	04/30/2021	391			Add Line
Pfizer COVID-19 Vaccine	Pfizer COVID-19 Vaccine, 975 dose	59267-1000-02	EL9266	05/31/2021	220			Add Line
Pfizer COVID-19 Vaccine	Pfizer COVID-19 Vaccine, 975 dose	59267-1000-02	EL9264	05/31/2021	1			Add Line
Pfizer COVID-19 Vaccine	Pfizer COVID-19 Vaccine, 975 dose	59267-1000-02	EN6201	06/30/2021	975			Add Line
Moderna COVID-19 Vaccine	Moderna COVID-19 Vaccine 10 MDV carton	80777-0273-99	011L20A	07/03/2021	88		<b>--Wastage--</b> Broken vial/syringe Lost or unaccounted for vaccine Non vaccine product (e.g., IG, HBIG, Dil) Open vial but all doses not administered Vaccine drawn into syringe but not admin Wasted- Other	
Moderna COVID-19 Vaccine	Moderna COVID-19 Vaccine 10 MDV carton	80777-0273-99	012L20A	07/06/2021	223			Add Line
Moderna COVID-19 Vaccine	Moderna COVID-19 Vaccine 10 MDV carton	80777-0273-99	029L20A	07/13/2021	304			Add Line

**Request Notes:**  
Enter text 150 character maximum.

Unable to draw 6th dose from 70 vials.  
One vial (6 doses) nonviable due to passed Beyond Use Date (refrigerated longer than 120 hours)

**Public Lots Available**

Trade Name	Packaging	NDC Number	Lot Number	Expiration Date	Doses on Hand	Returns/Wastage Reason	Quantity	Add Line
Pfizer COVID-19 Vaccine	CARTON, 195 MULTI-DOSE VIALS	59267-1000-02	xyz123	12/31/2021	751	Lost or unaccounted for vaccine	70	Add Line
Pfizer COVID-19 Vaccine	CARTON, 195 MULTI-DOSE VIALS	59267-1000-02	xyz123	12/31/2021	751	Wasted: Other	6	Delete Line

# Questions?

716-339-0238

[Sarah.Hopseker@erie.gov](mailto:Sarah.Hopseker@erie.gov)

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