



COVID-19 Vaccine Onboarding Session

Up to date as of April 21st, 2022

Disclaimer

- This presentation is only intended for healthcare professionals who are authorized to administer COVID-19 vaccines under Halton Public Health.
- Please do not under any circumstances share or replicate this presentation without expressed permission from the Halton Region Public Health Department.
- COVID-19 Vaccine information is frequently updated. Please visit the Ministry of Health website for the most up-to-date information.







Housekeeping



To ask a question:

- Use the Q&A function to type a question or
- Raise your hand and we will ask you to unmute and ask your question aloud
- Please do not use the Chat function for questions





Poll

1. I have previously been involved with COVID-19 vaccine administration

2. I am familiar with and have used COVax before











Moderna

Agenda

- 1. COVID-19 vaccine onboarding process
- 2. COVID-19 vaccines overview
- 3. Plan for vaccination
- 4. Vaccine ordering & receiving
- 5. Vaccine storage & handling
- 6. Vaccine preparation & administration
- 7. Vaccine inventory & documentation (COVax)
- 8. Next steps for onboarding
- 9. Resources & support
- 10. Discussion









Overview of Halton Region COVID-19 Vaccine Onboarding Process

Step 1:

Complete Readiness Checklist

Step 2:

Sign PHA, submit COVax account registration & complete OntarioMD COVax Training

Step 3:

Attend COVID-19 Vaccine Online Onboarding Session

Step 4:

Receive COVax Accounts & Vaccine Event

Step 5:

Submit online order for COVID-19 vaccine











COVID-19 Vaccines

- Health Canada Authorized Vaccines:
 - Moderna (SpikeVax™)
 - 12+ Pfizer-BioNTech (Comirnaty®)
 - 5-11 Pfizer-BioNTech (Comirnaty®)
 - AstraZeneca/COVISHIELD (Vaxzevira®)
 - Janssen (Johnson & Johnson)
 - Novavax Nuvaxovid®
 - Medicago Covifenz®
- COVID-19 Vaccines available to order through Halton Region Public Health:
 - Moderna (SpikeVax™)
 - 12+ Pfizer-BioNTech (Comirnaty®)

There is emerging data that the Moderna/SPIKEVAX™ COVID-19 vaccine may generate a more robust humoral and cellular immune response, resulting in better and more durable protection against COVID-19.

Pfizer/Comirnaty® is the preferred product for anyone under 30 years of age











Plan for Vaccination

- Will need to determine who will administer and how?
 - Medical Directive required?
- Cold chain readiness and contingency plan
- Managing vaccination if facility is in outbreak
- Distributing consent forms for residents with substitute decision makers











COVID-19 Vaccine Ordering & Receiving

Vaccine Order Form

Home / For Business / Information for Physicians / Vaccine Information for Physicians / Special Order Vaccine Online Request Form

 1. Getting Started
 2. Health Care Provider Information
 3. Routine Vaccine Order
 4. Client Information
 5. Special Vaccine order

 6. COVID-19 Vaccine Order
 7. Review and Submit

Getting Started

The deadline to submit orders is by 4:00 p.m. on the Wednesday prior to your scheduled delivery day.

- . Deliveries for routine vaccines will be reduced to once per month during September to accommodate the arrival and processing of influenza vaccine.
- While community clinics for school-based vaccines are running (mid-September –mid-November), Halton Region Public Health will be delaying approval and release of special orders for school-based vaccines.
- . Special orders for high-risk vaccines only will continue to be processed as usual.
- · COVID vaccine orders for on-boarded approved practices will be delivered on the usual schedule.
- Please review vaccine inventory to ensure there is adequate fridge space to accommodate one month's supply of routine vaccines as well as influenza and COVID-19 vaccines (if applicable).

Please select a vaccine type: (required)

Routine/Influenza Vaccine Order

To request regularly stocked vaccines, temperature log books, and immunization cards

Special Vaccine Order

To request vaccines for a specific individual at high-risk, or in need of a vaccine that is typically delivered in school.

COVID-19 Vaccine Order

COVID-19 vaccines are available to select physician practices who have completed a strict series of requirements. On-line ordering is not available until a full assessment has taken place and all criteria have been met. For more information, please contact the Health Department / doctors@halton.ca











COVID-19 Vaccine Ordering & Receiving

- Facilities must complete the COVax onboarding process before ordering COVID-19 vaccine
- COVID-19 vaccines are delivered within 3-5 business days from order receipt
- Temperature logs for the past 30 days must be submitted with each online vaccine order
- To prevent wastage, only order 1-2 week supply of vaccine at a time
- Holding Point Code for regular publicly funded vaccine is used for ordering COVID-19 vaccine
- Vaccine ancillary supplies will be sent to your facility. You may request additional supplies as needed.







Vaccine Ordering & Receiving

Facilities must have a <u>designated staff member(s)</u> who is responsible for the following:

- Receive and sign for vaccine shipment upon arrival at clinic.
- Immediately unpack the vaccine shipment and place in vaccine refrigerator upon arrival. Vaccines must never be left unpacked or unattended.
- Review quantity of vaccine shipment against packing slip to confirm it is correct. Any discrepancies must be reported to COVIDVaccine@halton.ca
- Ensure vaccines are stored securely in a designated area in the vaccine fridge (i.e. tray, shelf).
- Ensure proper vaccine storage and handling for COVID-19 vaccines.
- Monitor vaccine inventory and submit vaccine orders. Vaccine orders should be limited to a maximum 2-week supply at a time.







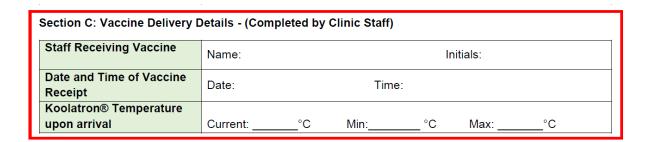


Vaccine Ordering & Receiving

COVID-19 Vaccine Shipment Form

The designated staff member who receives the vaccine shipment, must complete the form (as shown below) and it send back with the courier.

Refer to Sample COVID-19 Vaccine Shipment Form.



Vaccine and Diluent Tracking (Completed by Primary Care Clinic Staff)

Vaccine Lot #	Total # of <u>Vaccine</u> Vials Received	
Initials	Initials	
(Clinic Staff)	(Clinic Staff)	

Dil	uent Lot#	Total # of <u>Diluent</u> Vials Received
Initials (Clinic St	aff)	Initials (Clinic Staff)

Cold Chain Management - Tracking Time in Transit (Completed by Primary Care Clinic Staff)

Time of Courier pick up at HRC to Clinic:	09:30	Time of Courier Arrival to Clinic:	10:00		
Transit time from OTMH (in minutes)	0 min	Transit Time from HRC to clinic (in minutes)	30 min	Total Transit Time (in minutes, cumulative)	30 min
Initials (pharmacy)	AB	Initials (clinic staff)	CD	Initials (clinic staff	CD

Note: All times are cumulative.
Time in refrigeration starts when
vaccine is removed from the freezer
Total time in transit must not exceed
12 hours (720 minutes).

Clinic staff to complete all areas in red

Signature Key			
Printed Name Signature Initials			
Alpha Beta	xx	AB	
Cat Delta	xx	CD	
	<u> </u>		











	12 + Pfizer-BioNTech (Comirnaty®)	Moderna (SpikeVax™)
Storage Requ	irements for Thawed Unpunct	<u>ured</u> vials
Storage Time in Refrigerator (+2°C to +8°C)	Up to 31 days	Up to 30 days.
Storage Time at Room Temperature (up to +25°C)* *Note: time at room temperature is cumulative	Up to 2 hours (including thaw time)	Up to 24 hours.
Storage	Requirements for Punctured v	ials
Storage Time in Refrigerator or Room Temperature (+2°C to +25°C)	Must be used within 6 hours from time of reconstitution.	Must be used within 24 hours from time of first puncture.



For more information refer to COVID-19 Vaccine Administration, Ministry of Health

* Please contact 311 for any storage and handling questions or temperature excursions



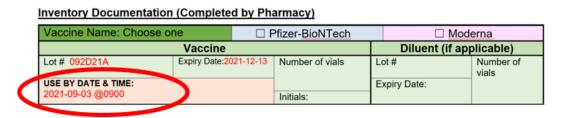






- As a reminder COVID-19 vaccines are delivered to facilities in a <u>thawed state</u>. The storage time in refrigeration is different for each vaccine.
- The date and time that the vaccine must be administered by is documented on the label attached to the vaccine vial and COVID-19 vaccine shipment form as shown below. **Do not administer any vaccine that is past the 'use by date and time'**. *If vaccine is administered after its use by date and time, the vaccine may not be viable and reimmunization may be required.*





Please note:

- the 'use by time' is written using the 24-hour clock.
- the 'use by date' is different from the expiry date.









Special Considerations for COVID-19 Vaccine:

- Vaccine vials will be delivered in a thawed state. The date and time that the vaccine must be used by will be marked on the vaccine shipment.
- DO NOT refreeze thawed vials.
- Vials that are packaged in foam must remain in the foam to protect from light during storage.
- Vials that are packaged in original packaging must remain in the outer carton to protect from light during storage.
- Store COVID-19 vaccine in a designated area of the vaccine fridge (i.e. shelf or tray).
- COVID-19 vaccine should remain in the fridge where it is delivered, movement of vaccine between fridges/sites should be minimized.
- During storage, minimize exposure to room light and avoid exposure to direct sunlight and ultraviolet light. Thawed vaccine vials can be handled in room light conditions.









Disposing of Wasted COVID-19 Vaccine

Any vaccine that is not used before the 'use by date and time' or is past the manufacturer's expiry date are considered to be 'wasted'.

Wherever possible, facilities should dispose of wasted COVID-19 vaccines onsite following their current clinic process for disposing of biohazard waste. Unused vaccine should not be disposed of in a sharps container.

Facilities that do not have a process for disposing of biohazard waste on their premise may return wasted COVID-19 vaccine to HRC for disposal as per the following process:

- Remove the wasted vaccine from refrigeration and place in a bag labelled 'Do Not Use'.
- Complete a <u>Non-Reusable Vaccine Return Record</u> form and attached it to the bag containing wasted vaccine.
- Give the bag of wasted vaccine and Non-Reusable Vaccine Return Record form to the courier when a vaccine shipment is delivered.

Note: only unopened vaccine vials will be accepted for return, punctured vials must not be returned to HRC









Secure Disposal of COVID-19 Vaccine Vials and Packaging

The Ministry of Health has provided guidance to ensure secure disposal of COVID-19 vaccine vials and packaging in effort to prevent fraudulent activities. When disposing of COVID-19 vaccines vials, please ensure the following:

- Empty vials should be stored securely and properly disposed of per regulation and guidelines by the Ministry of the Environment and Climate Change.
- Before disposing of empty vials, the labels must be destroyed by removing the label, tearing the label, or marking the label.
- All packaging associated with the vaccine must be discarded.













Vaccine Preparation & Administration



Vaccine Vial Labelling:

Each COVID-19 vaccine vial will be individually labelled to decrease the risk of vaccine administration errors, and vaccine wastage. It is the responsibility of your facility to ensure all vaccine vials are properly labelled and completed.

Sample Vaccine Vial Label

Information on the Left Side of the label must be completed by the facility when vaccine is used.

Date & Time of Reconstitution: (must use within 6 hours) July 23, 2021 @ 1300 Pfizer COVID-19 Vaccine

Use by Date & Time: 2021-08-30

@0900

LOT #: FD7206

Manufacturer Expiry: 2021-11-30

Information on the Right Side of the label will be completed by Halton Region Public Health.











Vaccine Preparation & Administration

	12+ Pfizer-BioNTech (Comirnaty®)	Moderna (Spikevax™)
Vial Cap Color	Purple	Red
Dose	30mcg	100mcg or 50mcg*
Injection Volume	0.3ml	0.5ml or 0.25ml*
Amount of Diluent	1.8ml	DO NOT Dilute
Doses per vial	6 doses (after dilution)	10 or 14 doses
Time needed to reach room temperature prior to preparing vaccine.	At least 15 minutes prior to dilution	At least 15 minutes prior to puncture
Maximum Time at Room Temperature prior to dilution/puncture (up to 25°C)	Up to 2 hours	Up to 24 hours
Use by time post-dilution/post-puncture	Discard 6 hours after dilution	Discard 24 hours after first puncture
Route of Administration	Intramuscular	Intramuscular
Simultaneous administration with other vaccines	Yes	Yes

*Some populations are recommended to receive Moderna 0.25mL (50mcg) as a booster dose, please refer to COVID-19 Vaccine Third Dose Recommendations, MOH



For more information, refer to NACI and the vaccine specific product monographs.









Vaccination Schedule for eligible individuals ≥12 years of age

Category	Recommended Interval	Eligible Population
2 Dose Primary Series	8 weeks (56 days) apart	 Immunocompetent individuals ≥12 years old
Booster 1	≥6 months (168 days) after completion of a primary series	• 12-17 years old
	≥3 months (84 days) after completion of a primary series	• ≥18 years old
Booster 2	≥5 months (140 days) after booster 1	 ≥60 years old First Nation, Inuit and Métis Individuals, and their non-Indigenous household members, ≥18 years old Residents of long-term care homes, retirement homes or seniors in other congregate settings
3 Dose Primary Series	8 weeks (56 days) apart	 Moderately to severely immunocompromised individuals ≥12 years old
Booster 1	≥6 months (168 days) after completion of a primary series	• 12-17 years old
	≥3 months (84 days) after completion of a primary series	• ≥18 years old



Please refer to the Ministry of Health COVID-19 Vaccine Third Dose and Booster Recommendations for more details.







Vaccine Dosages for eligible individuals ≥12 years of age

Moderna Dosage	Pfizer Dosage	Dose Type	Eligible Population
0.5mL (100mcg)	0.3 mL (30mcg)	Primary Series	 Immunocompetent (2 doses) Moderately to severely immunocompromised (3 doses)
0.25mL (50mcg)	0.3 mL (30mcg)	Boosters	 Anyone who is 12 to 69 years old*
0.5mL (100mcg)	0.3 mL (30mcg)	Boosters	 Anyone equal to or over 70 years old Residents of long-term care homes, retirement homes or seniors in other congregate settings Moderately to severely immunocompromised adults



^{*}Please note that those between 12 and 29 years of age are recommended to receive Pfizer, but may receive Moderna with informed consent.









Suggested intervals between previous COVID-19 infection and vaccination

Infection timing relative to COVID-19 vaccination	Population	Suggested interval between infection* and vaccination
Infection prior to completion or initiation of primary vaccination series	Individuals who are not considered moderately to severely immunocompromised	Receive the vaccine 8 weeks after symptom onset or positive test (if asymptomatic)
	Individuals who are moderately to severely immunocompromised	Receive the vaccine dose 4 to 8 weeks after symptom onset or positive test (if asymptomatic)
Infection after primary series but before booster dose	Individuals currently eligible for a booster dose	3 months after symptom onset or positive test (if asymptomatic) and, for 12 to 17 year olds, provided it is at least 6 months (168 days) from completing the primary series

^{*}A previous infection with SARS-CoV-2 is defined as: 1. Confirmed by a molecular (e.g. PCR) or rapid antigen test; or 2. Symptomatic **AND** a household contact of a confirmed COVID-19 case.







^{**}Please refer to the Ministry of Health COVID-19 Vaccine Administration for full details on the suggested intervals between previous COVID-19 infection and vaccination

Vaccine Preparation & Administration: Resources

For more information on how to store, prepare, and administer COVID-19 vaccines, please refer to the following resources:

12+ Pfizer-BioNTech (Comirnaty) COVID-19 Vaccine	Comirnaty COVID-19 Vaccine Product Monograph	
	12+ Pfizer-BioNTech COVID-19 vaccine job aid, Halton Region Resource	
Moderna (Spikevax) COVID-19 Vaccine	Spikevax mRNA vaccine Product Monograph	
	Moderna (Spikevax) COVID-19 Vaccine job aid, Halton Region Resource	











COVax Ontario is a centralized vaccine management system. Some of the benefits of the COVax system include:

- Eliminating the need for paper consents
- Reviewing when the previous dose was administered to ensure appropriate dosing intervals
- Having the convenience of the pre-assessment questions incorporated in the vaccination process

The following must be documented in COVax:

- Pre-screening Assessment
- Vaccine administration
- Vaccine inventory (wasted and extra doses)
- Any Adverse Events Following Immunization (AEFI) that occur within the first 15 minutes following immunization.

Note: All AEFIs must also be reported to public health.









COVax Do's and Don'ts

What to Do ✓	Do NOT ⊠
Select your facility's vaccination event nameCan use the search bar	 Amend any other vaccine events other than your own
Pin "recently viewed" on home screen	 Forget your mobile phone that is linked to your COVax account
 Select correct Lot Number for vaccine and diluent (if applicable). The diluent lot number that is pre- populated is not always correct. 	 Go longer than 3 weeks without logging into COVax, otherwise your account will need to be reactivated. Tip: Sign into COVax weekly
 Pfizer vaccine – make changes to <u>both</u> vaccine and diluent inventory –the numbers must match 	
 Download the "Salesforce Authenticator" App onto your mobile phone 	

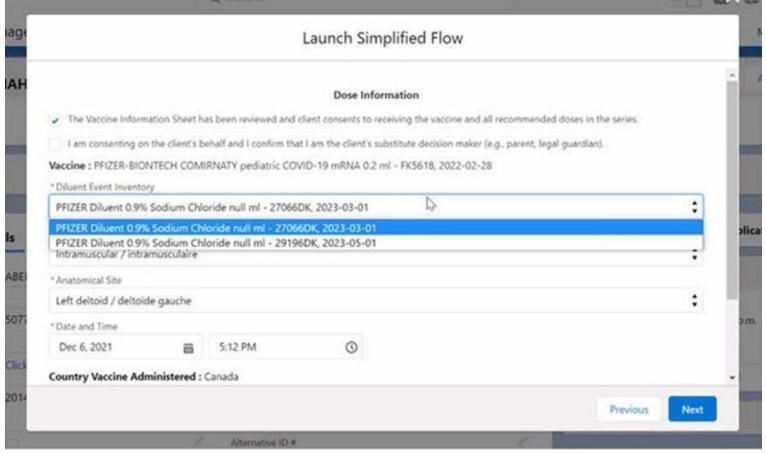


*Note: One **cannot delete** an inventory reconciliation entry. If an entry is unintentionally/mistakenly created, users must create additional entries to reconcile for the mistake.











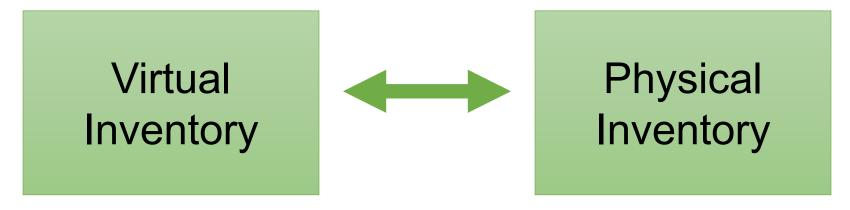








COVax & Physical Inventory Reconciliation



- At the end of each clinic vaccination day, the COVax virtual inventory must match the physical inventory in the vaccine fridge.
- Facilities must have a designated staff member(s) responsible for monitoring and reporting COVID-19 vaccine inventory.







Extra Doses

- Each Pfizer vial produces 6 doses.
- If you are able to withdraw >6 doses per Pfizer vial these are considered extra doses.
- Each **Moderna** vial produces 10 or 14 doses (depending on the lot number).
- If you are able to withdraw >10 or >14 doses for that respective Moderna vial these are considered extra doses. *Max 20 punctures per Moderna vial*
- Extra doses drawn from each vial need to be tracked and reported so that the doses available in COVax match the physical doses available.







Wasted Doses

- We need to record and report the number of doses, as well as the reason for the wastage, so that the doses available in COVax match the physical doses available.
- Note that when you are unable to withdraw 6 doses per Pfizer vial OR 10 or 14 doses per Moderna vial (depending on LOT #), the doses not drawn are counted as waste in COVax







Moderna 0.25mL (50mcg) Booster Doses

- At point of care, immunizers must record the Moderna 0.25mL (50mcg) booster dose given to eligible adults less than 70 years of age who are not residents of LTCH/RH/seniors congregate settings (i.e. staff members).
- Be sure to document the number of Moderna 0.25mL (50mcg) booster doses you
 have administered each vaccination day on your end-of-day inventory report







LOT Number Change

- There will be times when you will have 2 different LOT numbers for vaccine and/or diluent (if applicable).
- This is based on the supply we obtain from the Ministry
- We need to ensure that the 1st LOT # is administered and reconciled <u>before</u> we release the 2nd LOT # to avoid a medication incident

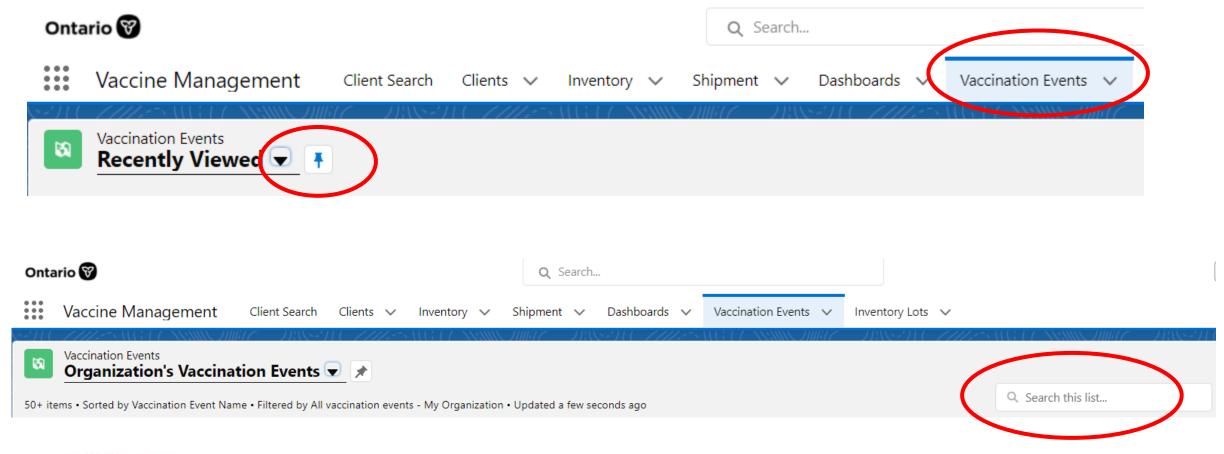
Please contact COVIDVaccine@halton.ca to activate the new LOT # in COVax.









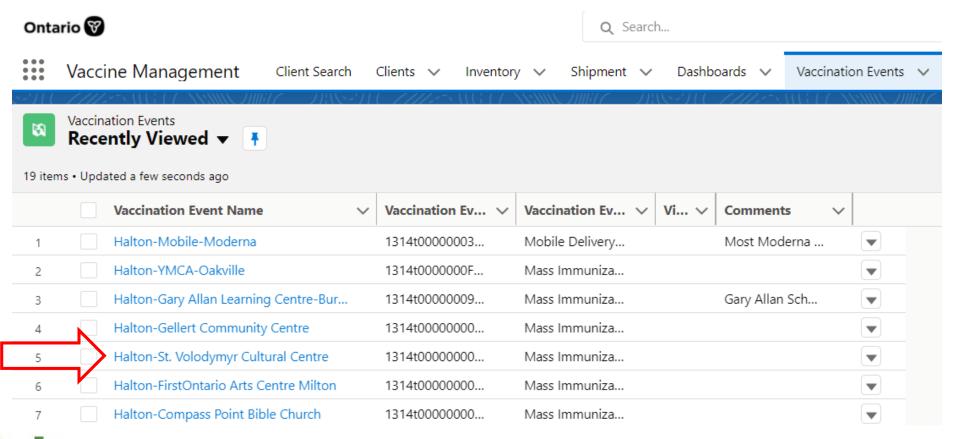








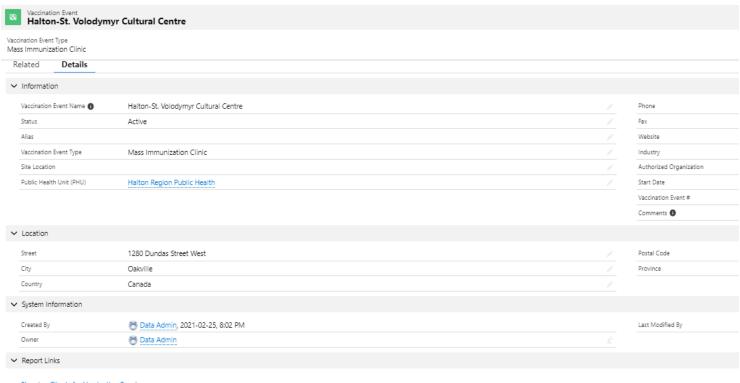












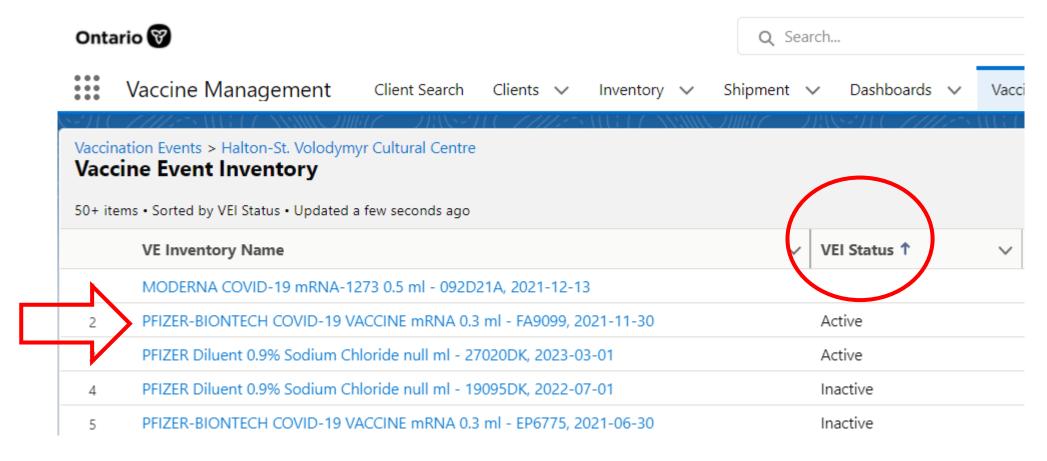


Event Inventory Report



>	☐ Vaccine Event Inventory (6+)		
	VE Inventory Name	VEI Status	Allocated Doses
	MODERNA COVID-19 mRNA-1273 0.5 ml - 092D21A, 2021-12-13		336
V	PFIZER-BIONTECH COVID-19 VACCINE mRNA 0.3 ml - FA9099, 2021-11-30	Active	1,266
	PFIZER Diluent 0.9% Sodium Chloride null ml - 27020DK, 2023-03-01	Active	1,266
IC	PFIZER Diluent 0.9% Sodium Chloride null ml - 19095DK, 2022-07-01	Inactive	318
	PFIZER-BIONTECH COVID-19 VACCINE mRNA 0.3 ml - EP6775, 2021-06-30	Inactive	318
	PFIZER Diluent 0.9% Sodium Chloride null ml - 19095DK, 2022-07-01	Inactive	684
			View All



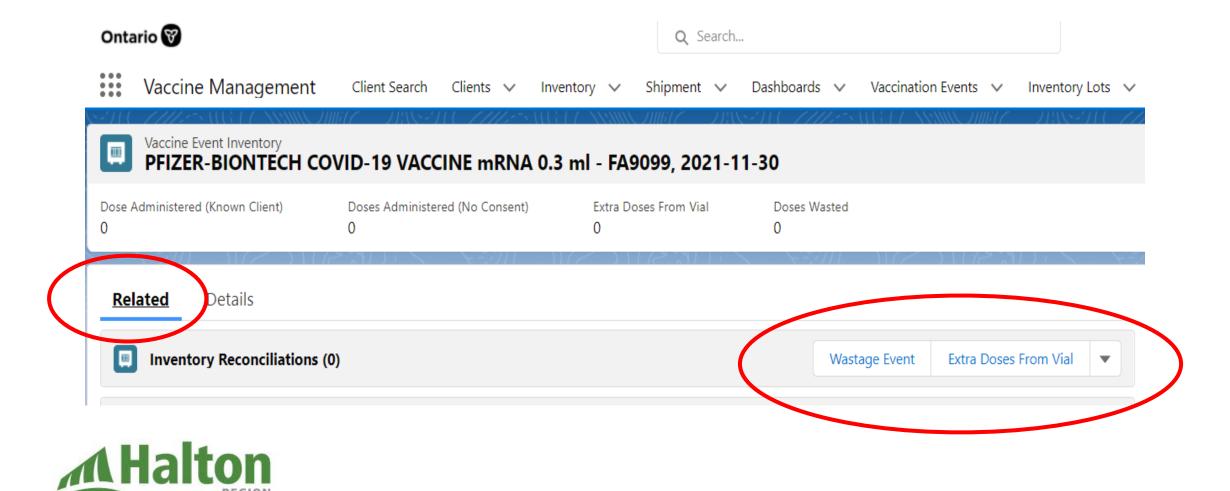








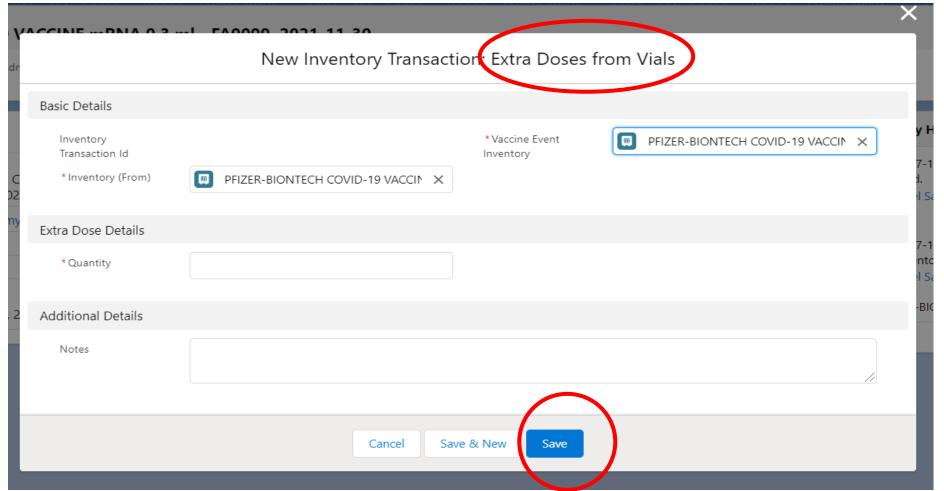












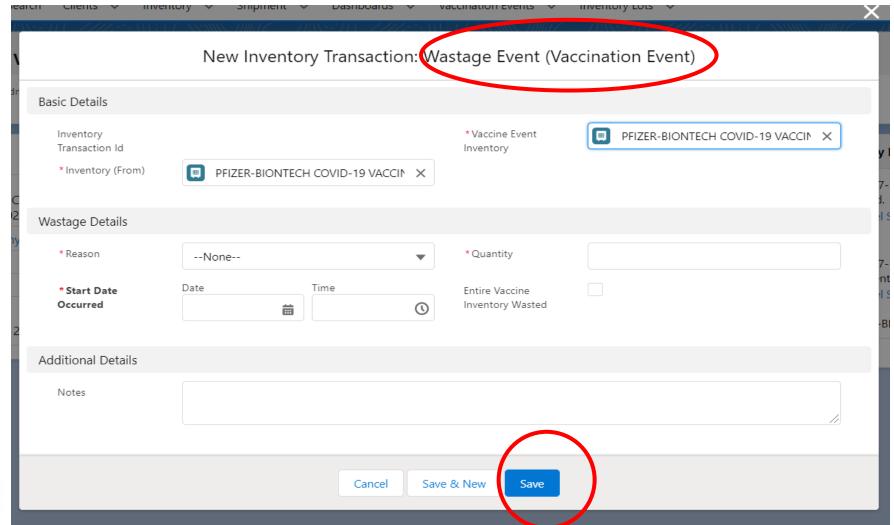




















Vaccine Inventory Report

 Any extra doses or wasted doses must also be documented on the **EOD Inventory Report and sent to** COVIDVaccine@halton.ca for each day vaccine is administered or wasted.



halton.ca (311







COVID-19 Vaccine End of Day Report

This form is intended to be a tool to communicate COVID-19 vaccine inventory, usage, extra doses, and wastage from your facility to Halton Region Public Health. On days vaccines are used (or wasted), complete this form and email to COVIDVaccine@halton.ca. Please put 'EOD: Vaccine Inventory - Facility Name' in the subject line.

Date:

Facility Name:

Contact Name:

Contact Phone Number:

Vaccine:

Number of Vials on Hand at Start of Dav:

Number of Vials on Hand at End of Dav:

Dose Administration

Please record how many full doses and how many half doses were administered by your facility in the table below. Note that any doses drawn in excess of the vial muse be documented below as extra doses.

Type of Dose	Lot Number	Number of Doses Administered	Number of Extra Doses Obtained from Vial
Full dose			
Half dose – Moderna only			











Next Steps

Step 1:

If outstanding submit PHA & COVax account registration

Step 2:

Receive resource package email

Step 3:

Receive COVax accounts and vaccine event

Step 4:

Submit online order for COVID-19 vaccine











Vaccine Administration Resources and Support

COVax, vaccine order or delivery or vaccine-related questions?

Email

COVIDVaccine@halton.ca

Cold Chain
Call 311







Quiz



Let's test our knowledge from today's session! Select A or B as your answers.

- 1. At point of care, immunizers must record the Moderna 0.25mL (50mcg) booster dose given to eligible adults less than 70 years of age who are not residents of LTCH/RH/seniors congregate settings (i.e. staff members).
 - A) True
 - B) False
- 2. Once COVax accounts are provided, the end of day report is no longer required to be sent when doses are administered or wasted.
 - A) True
 - B) False
- 3. Paper consent forms no longer need to be sent to Public Health after your COVax accounts are created.
 - A) True
 - B) False
- 4. Pfizer and Moderna vaccines are to be wasted solely based on the manufacturer expiry date on the vial.
 - A) True
 - 3) False









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Discussion











