

The Ottawa Hospital Experience with the Pfizer-BioNTech COVID-19 vaccine

CSHP Webinar
Presented by Alex Kuo
Jan 26, 2021



The Ottawa
Hospital

L'Hôpital
d'Ottawa

Inspired by research.

Driven by compassion.

Inspiré par la recherche.

Guidé par la compassion.

Disclosure

- I have no actual or potential conflict of interest in relation to this presentation.

Learning objectives

- Outline steps for receiving, storing and monitoring inventory of the Pfizer-BioNTech COVID vaccine
- Identify requirements for preparation of this vaccine
- Understand requirements for clinic support and transportation of the vaccine

Outline

- Planning
- Receiving
- Inventory
- Preparation
- Clinic support
- Transport



Background

- Allocation structure (Federal → Province)
- Ministry directives
- Ethical framework
- Hospital site as custodian of vaccine

IMS Structure: TOH

COVID-19 Vaccine Distribution Task Force (Minister's Office)

COVID-19 Vaccine Administration Health Coordination Table
(EOC)

**EXECUTIVE COMMITTEE
Covid-19 Vaccination**
(C. Love)

Covid-19 Vaccine Distribution Task Force
(City of Ottawa, Ottawa Public Health, Hospitals)

EXECUTIVE LEAD
J. Read – Executive Lead
A. Wilmore – Medical Lead

E. Pascuet (Business Leader)

Operations
(B. Feenstra)

Logistics
(A. Kuo / H. Tan)

Data Capture & Analytics
(S. Shamji)

Communications
(H. Bittner)

Ottawa Public Health
(T. Rose / M.C. Turcotte)

City of Ottawa
(R. Perrault)

Pharmacy Planning

Establish your team

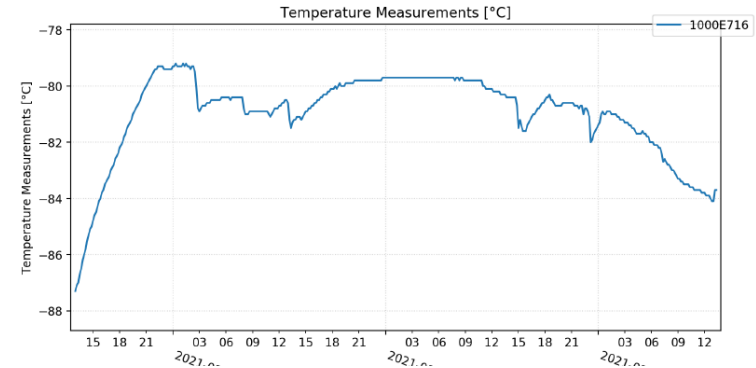
Involve Facilities – ULT freezer

Consult Security

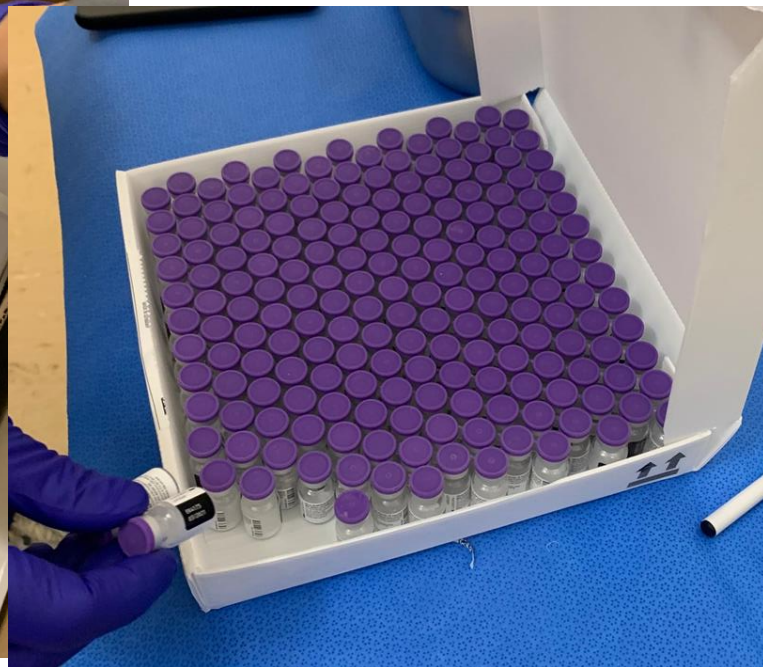
Supplies/PPE



Reporting to Ministry





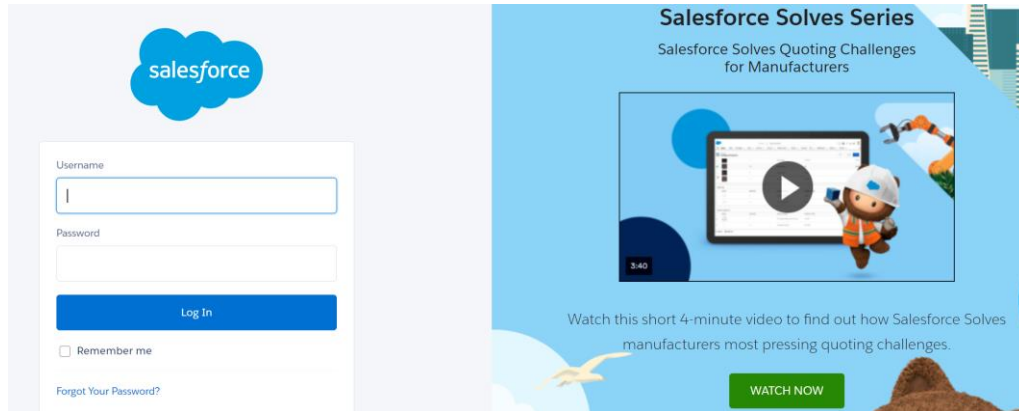


Inventory

Limited access to staff

Tracking internally

COVAX_{ON}



COVAX_{ON}

Ontario 

All  Search Inventory and more...

Vaccine Managem... Client Search Clients  **Inventory**  Shipment  Dashboards 

 Inventory **Recently Viewed**  

25 items • Updated a few seconds ago  Search this list...      

	☐ Asset Name	Location (Service Delivery Location)	Seri...	Inst...	Clie...	Con...
1	☐ PFIZER Diluent Sodium Chloride 0.9% - 19094DK	The Ottawa Hospital Civic Campus				
2	☐ COVID-19 Pfizer Vaccine Pfiz 0.3 ml - EK4175, 2021-03-31	The Ottawa Hospital Civic Campus				

Vaccine Managem... Client Search Clients  **Inventory**  Shipment  Dashboards 

 Inventory **COVID-19 Pfizer Vaccine Pfiz 0.3 ml - EK4245, 2021-04-30**    

Location (Service Delivery Location) [The Ottawa Hospital Civic Campus](#) Product [COVID-19 Pfizer Vaccine Pfiz](#) Doses Available 0

Related **Details**

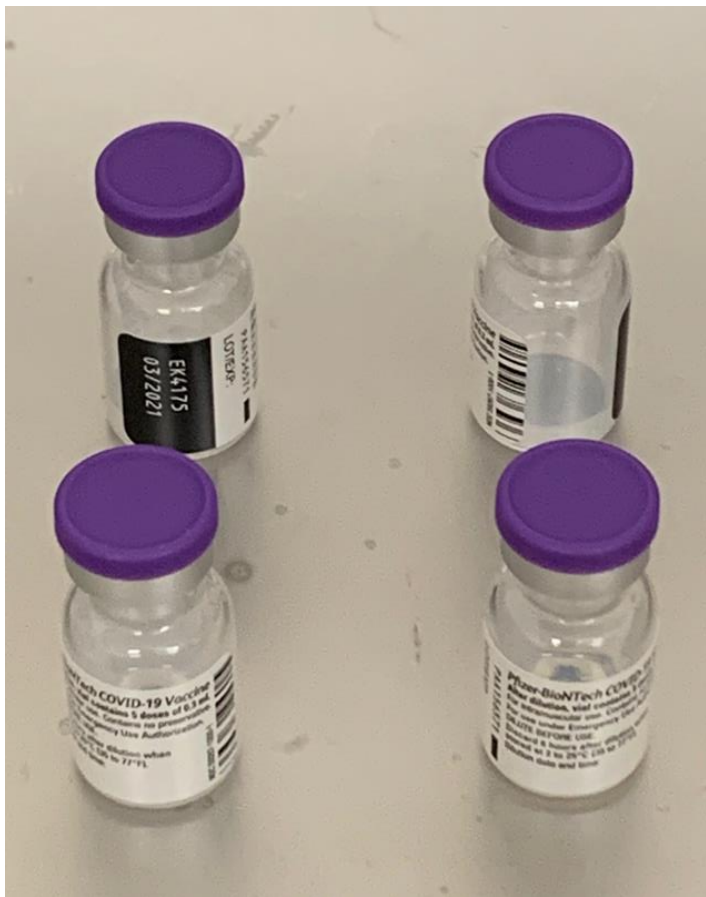
Asset Name	Type
COVID-19 Pfizer Vaccine Pfiz 0.3 ml - EK4245, 2021-04-30	Vaccine

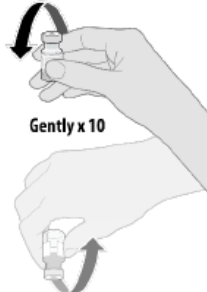
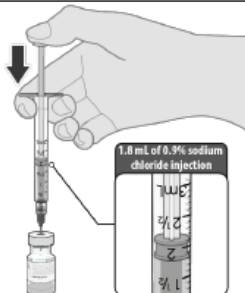
 **Wastage Events (0)** 

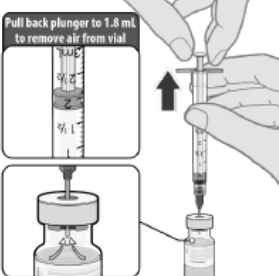
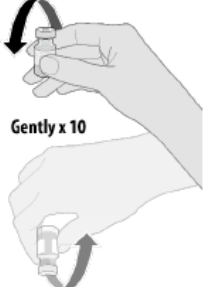
 **Excursion Events (0)** 

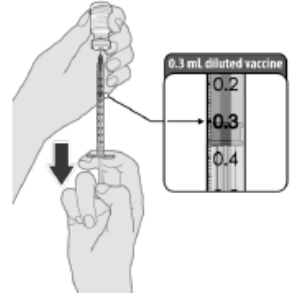
Preparation of the vaccine





DILUTE BEFORE USE ²	
 Prior to dilution No more than 2 hours at room temperature (up to 25 °C/77 °F)	- Remove a thawed vial of Pfizer-BioNTech COVID-19 Vaccine from the refrigerator and allow it to come to room temperature. - If using a frozen vial of Pfizer-BioNTech COVID-19 Vaccine, thaw for 30 minutes at room temperature. Vials at room temperature must be diluted within 2 hours.
 Gently x 10	- Before dilution, invert gently 10 times to mix. <u>Do not shake.</u>
 1.8 mL of 0.9% sodium chloride injection	- Obtain sterile 0.9% Sodium Chloride Injection, USP. - Cleanse the vial stopper with a single-use antiseptic swab. - Add 1.8 mL of 0.9% Sodium Chloride Injection, USP into the Pfizer-BioNTech COVID-19 Vaccine vial using a needle 21-gauge or narrower.

 Pull back plunger to 1.8 mL to remove air from vial	Equalize vial pressure before removing the needle from the vial by withdrawing 1.8 mL air into the empty diluent syringe.
 Gently x 10	- Gently invert the vial containing the Pfizer-BioNTech COVID-19 Vaccine 10 times to mix. <u>Do not shake.</u>
 Record date and time of dilution. Discard 6 hours after dilution. Dilution date and time:	- Record the date and time of dilution on the Pfizer-BioNTech COVID-19 Vaccine vial label. - Store between 2°C to 25°C (35°F to 77°F). - Discard any unused vaccine 6 hours after dilution.

PREPARATION OF INDIVIDUAL 0.3 mL DOSES OF PFIZER-BIONTECH COVID-19 VACCINE ²	
 0.3 mL diluted vaccine	- Using aseptic technique, cleanse the vial stopper with a single-use antiseptic swab, and withdraw <u>0.3 mL</u> of the Pfizer-BioNTech COVID-19 Vaccine. - Administer immediately, and no later than 6 hours after dilution.

Pfizer
Pfizer-BioNTech COVID-19 Vaccine – Storage and Handling of DILUTED VIALS Outside of Recommendations in the Product Monograph

Please refer to the Product Monograph on important treatment considerations for the Pfizer-BioNTech COVID-19 Vaccine (COVID-19 mRNA Vaccine) via the following link: <https://www.pfizermedicalinformation.ca/en-ca/pfizer-biontech-covid-19-vaccine>. In the event this link does not work, please access the product's approved Product Monograph at www.pfizer.ca. Note: select product monograph information is excerpted further in the document.

Clinic on-site

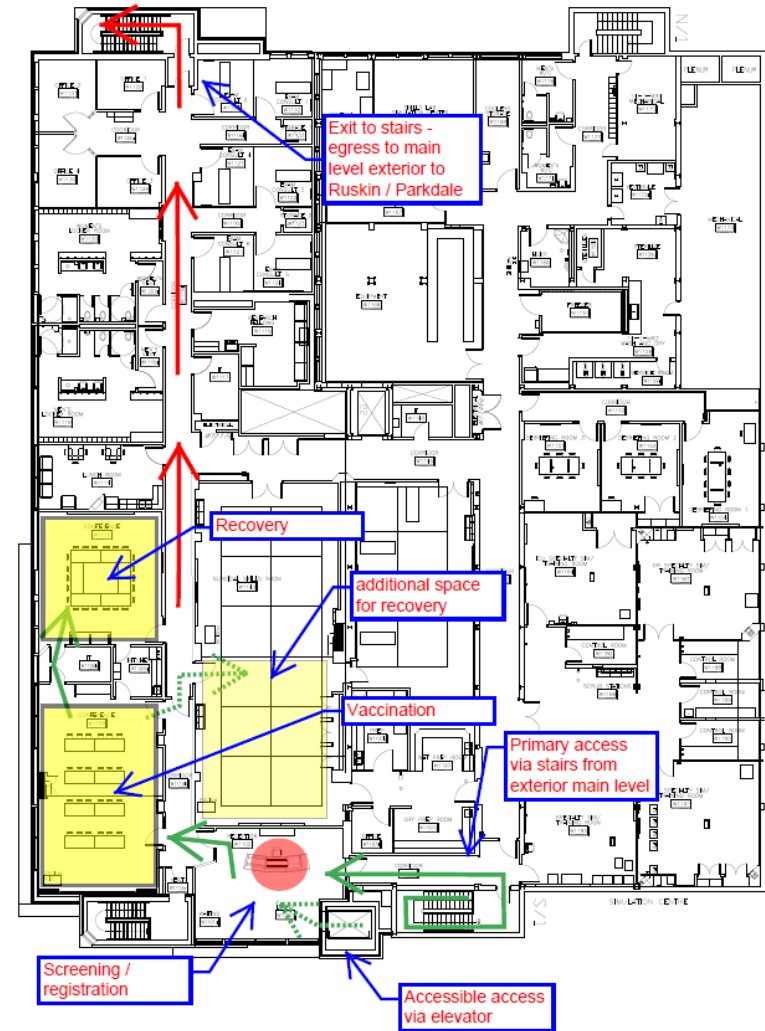
Pre-planning

Pharmacy involvement

Successes

Opportunities

AE



Clinic setup



Registration Area



Vaccine Administration



Waiting Area

Onward transport

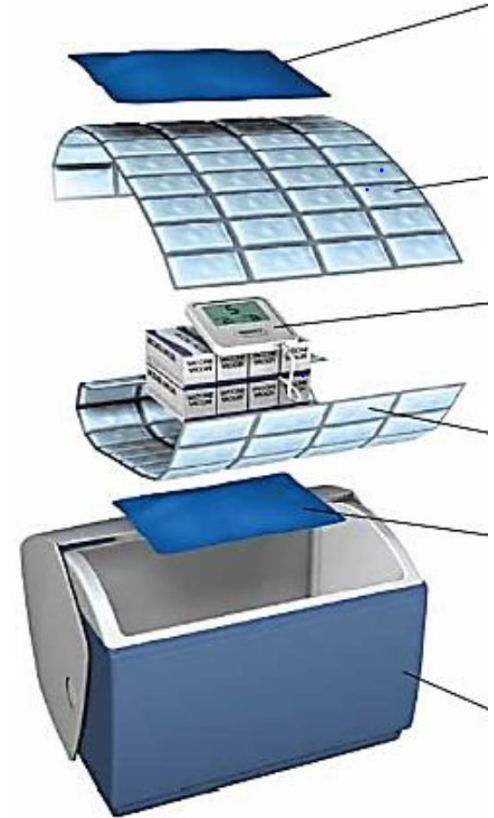
To another site with an ULT freezer

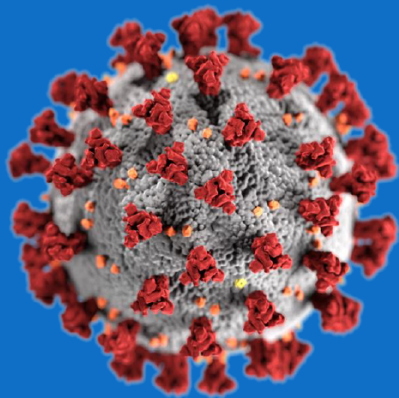
To LTC facilities

Ministry of Health

COVID-19: Vaccine Storage and Handling Guidance – Pfizer-BioNTech and Moderna COVID-19 Vaccines

Version 1 – January 6, 2021





The COVID-19 Vaccine Distribution Support Playbook

Version: 2.2

Last Updated: December 18, 2020; 1230hrs

Developed by:



Questions?

A decorative graphic on the right side of the slide. It consists of several concentric circles of varying line weights. Scattered around and on these circles are numerous small, light-blue plus signs (+). The circles and plus signs are centered vertically and extend from the middle of the slide down towards the bottom.