

Building on Success

Leveraging Pandemic Learnings into Lifelong Vaccination Practices

Presented by: Kat MacDonald

CANVax Webinar | August 2023



Agenda



01

COVID-19 Pandemic

A partnership-driven response leads to a successful vaccine rollout.

02

Lessons Learned

Reflecting on what worked and how we can improve.

03

Moving Forward

Looking at what we can do now to catch-up and prepare for the future.

About Us

CANImmunize is a proudly Canadian, digital health company working to build the technological future that our health systems deserve.

Our platform and services are designed to help governments and organizations manage immunization programs and data intelligently.

45

Employees

25+

Customers

2018

Founded

Internationally Recognized



Deloitte.



Core Principles

Canada's COVID-19 Immunization Plan: Saving Lives and Livelihood

Science-Driven
Decision Making

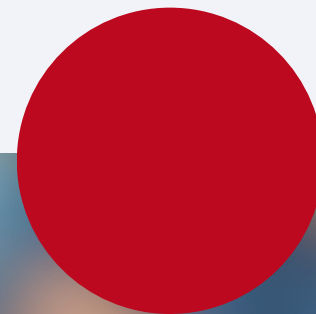
Transparency

Coherence and
Adaptability

Fairness and Equity

Public Involvement

Consistent
Reporting



2021

Responding | Building



2022

Adjusting | Enhancing

January 2022

- Boosters and Additional dose bookings
- Self Check-in module

April 2022

- Pediatric dose bookings
- Invalid doses
- Second boosters
- Earliest availability display

July 2022

- Infant doses bookings
- Revamped forecaster to support series complexity

October 2022

- Mpox campaign
- Launch of COVID-19 and Flu bookings

2023

Sustaining | Expanding

January 2023

- Improvements to Admin experience (availability configuration)

April 2023

- Support for drop-in appointments
- Publicly funded vaccines pilot

July 2023

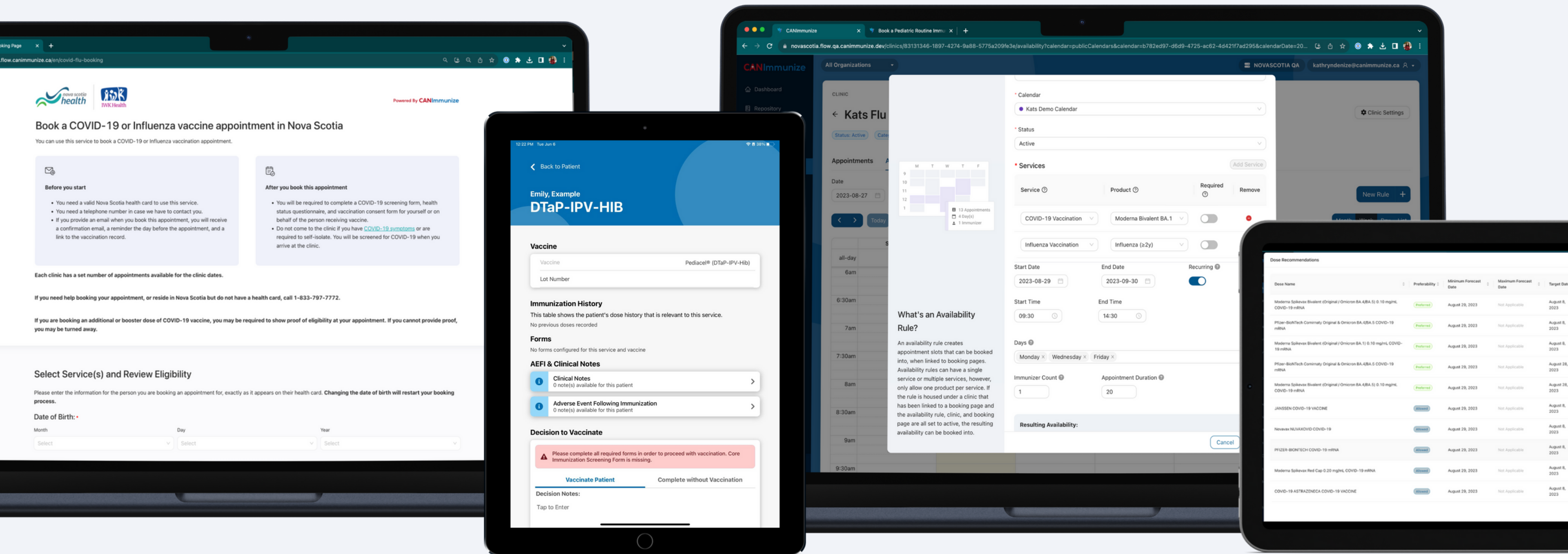
- Creation of e-Consent module for School Immunizations
- Launch of VaxRecordNS

October 2023

- TBD!

ClinicFlow

End-to-End Immunization Software



Success Factors

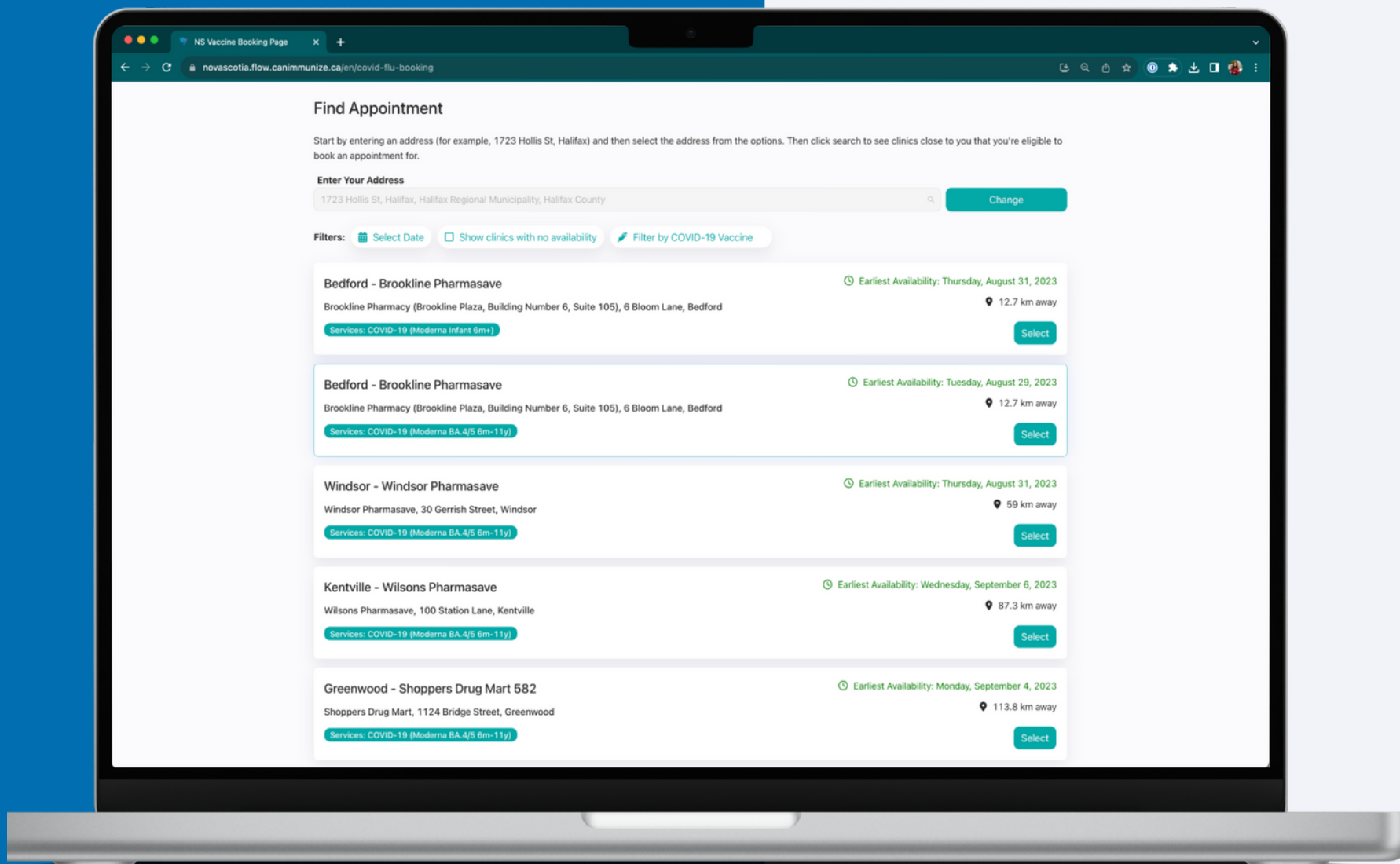
Equitable Access

Centralized Booking Page

Enabled single, booking experience regardless of where you booked across the province.

Multiple Pathways

Employed multiple pathways to get vaccinated, including cohort-based, mobile clinics, community booking pages, multi-person appointment, and drop-ins.



Success Factors

Safety and Speed

Eligibility Logic

Ensured the right people booked the right appointment at the right time.

Consent Forms

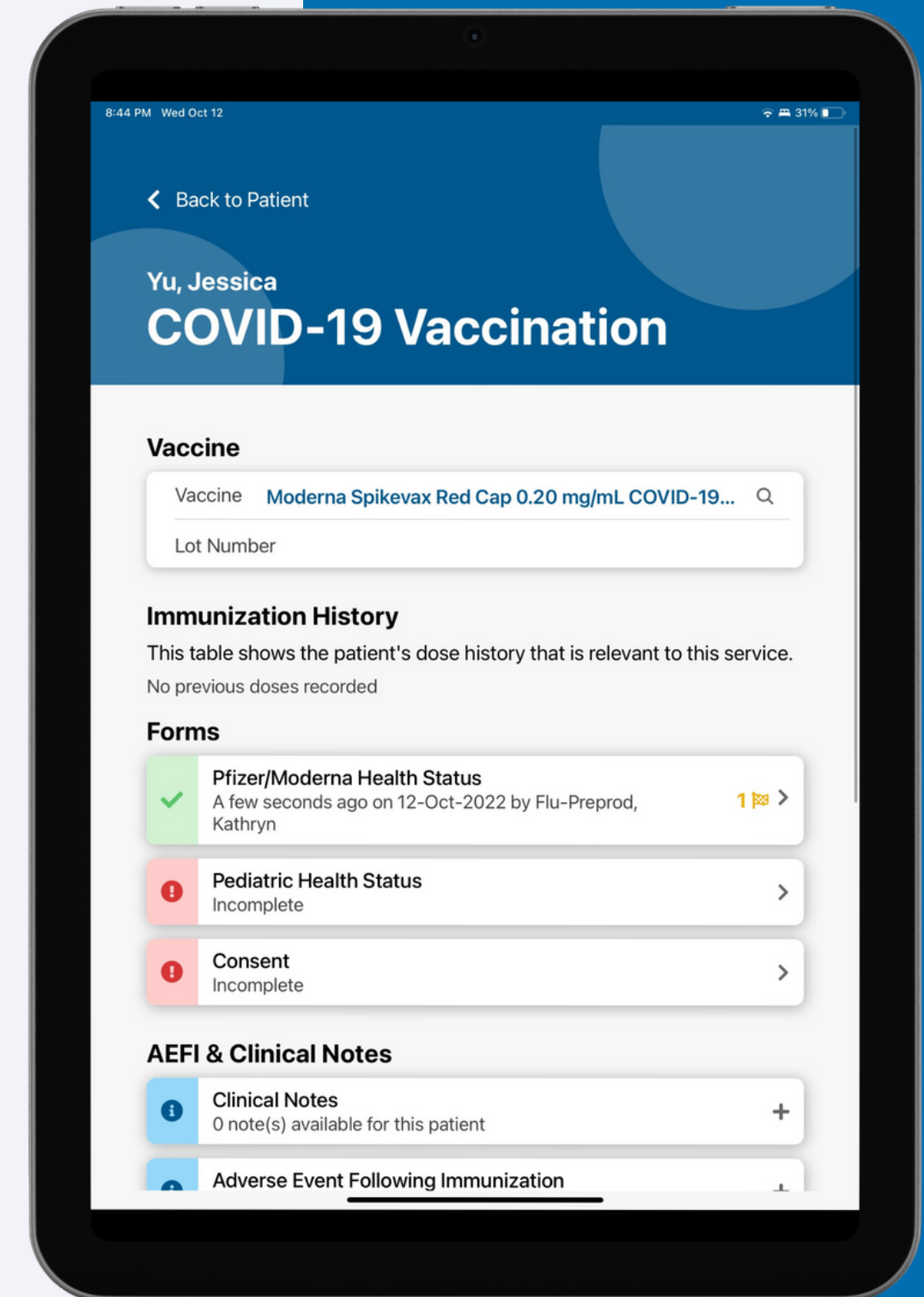
Resulted in consistent and up-to-date documentation program-wide.

Pre-Screening

Allowed patients to independently screen out and/or prepare questions for their appointment.

User Friendly App

Vaccine product information and lot numbers pre-populated based on the CVC.



“ The CANImmunize platform has massively supported pharmacy clinics in starting to administer COVID-19 vaccines.

“That platform has really simplified the process, the administrative process, for pharmacies,” she said. “So, they can really focus on the patient and getting that immunization in, and they don't have to worry about a lot of paperwork and behind-the-scenes stuff — it's just really quick and simple.”

”

- Allison Bodnar,

CEO, the Pharmacist Association of Nova Scotia in [HalifaxToday.ca](https://www.halifaxtoday.ca)

Success Factors

Real-time, High Quality Data

Standardized & Integrated

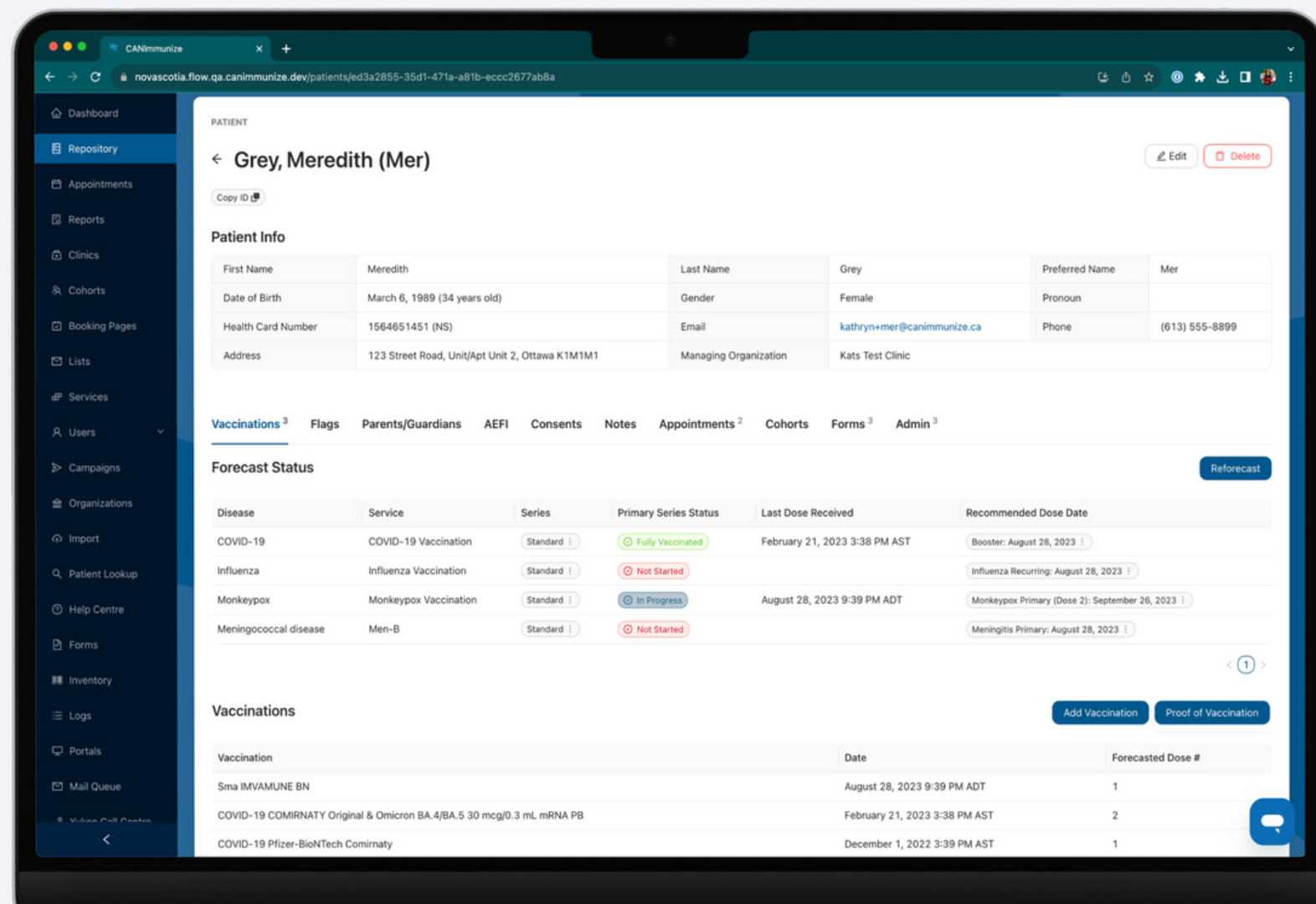
All clinics were mandated to use ClinicFlow and vaccine data was captured using standards from the Canadian Vaccine Catalogue. Data flows automatically into Panorama nightly.

Comprehensive

Health status, demographic, and REI data captured and reviewed at every vaccination encounter.

Real-Time

Province-wide view of booking and vaccination data supported real-time decision making regarding where to target new clinics and/or public health restrictions.



Core Principles

Science-Driven
Decision Making

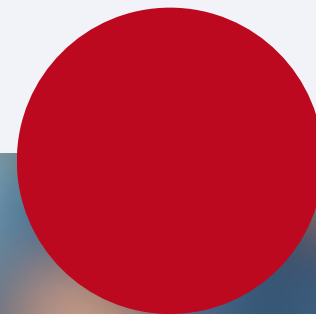
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The End; Now What?

Leveraging our Learnings from COVID-19

”

We must promise ourselves and our children and grandchildren, that we will never make those mistakes again.

- Tedros Adhanom Ghebreyesus, WHO
Director-General

”

We still have incredible challenges when it comes to our health-care system, particularly when it comes to primary health [...] vaccination infrastructure needs to be maintained in Canada for COVID and other viruses to prevent further burden on hospitals.

- Dr. Prabhat Jha, professor at U of T

”

Transparent public reporting using comparable data from modernized health systems will be an important improvement effort [for the health-care system].

Kathleen Morris, CIHI VP Research & Analysis

Vaccine Landscape

Rapidly Expanding

HOME | HEALTH | CORONAVIRUS

What to know about EG.5, the latest Omicron subvariant in Canada

New subvariant predicted to be in 36 per cent of Canadian cases of COVID-19 in the past week

Politics

Braced for an increase in COVID cases, Health Canada reviews 3 new vaccines



If authorized for use, new vaccine formulations will roll out this fall



[John Paul Tasker](#) · CBC News · Posted: Aug 28, 2023 4:43 PM EDT | Last Updated: August 28

Health

Health Canada approves 1st RSV vaccine for people 60 and older



Shot expected to be available in 'limited' amounts this year



[Jennifer La Grassa](#) · CBC · Posted: Aug 04, 2023 5:29 PM EDT | Last Updated: August 4

Future of Health

BioNTech, Roche's experimental pancreatic cancer treatment wins Nature plaudit

Reuters

May 10, 2023 11:18 AM EDT · Updated 4 months ago



Moderna announces new vaccine candidates against Lyme disease and norovirus

By Rachel Arthur

12-Apr-2023 - Last updated on 12-Apr-2023 at 10:44 GMT



Maintaining Trust

Crucial for Future Success

Engage Patients

- Increase access and visibility to trusted sources of information.
- Decision-support tools for the public to allow them to make autonomous, informed decisions.
- Provide citizen access to their data.

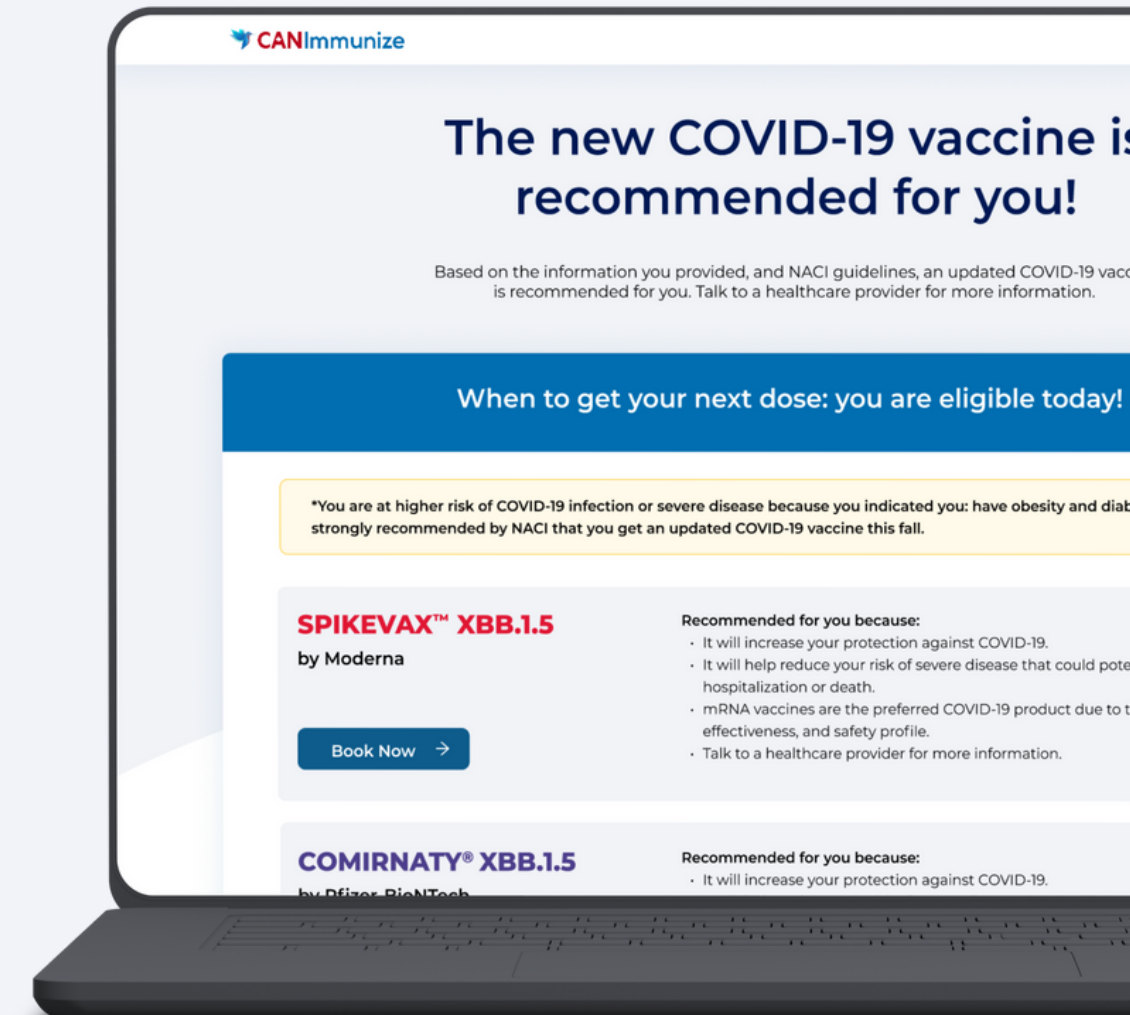
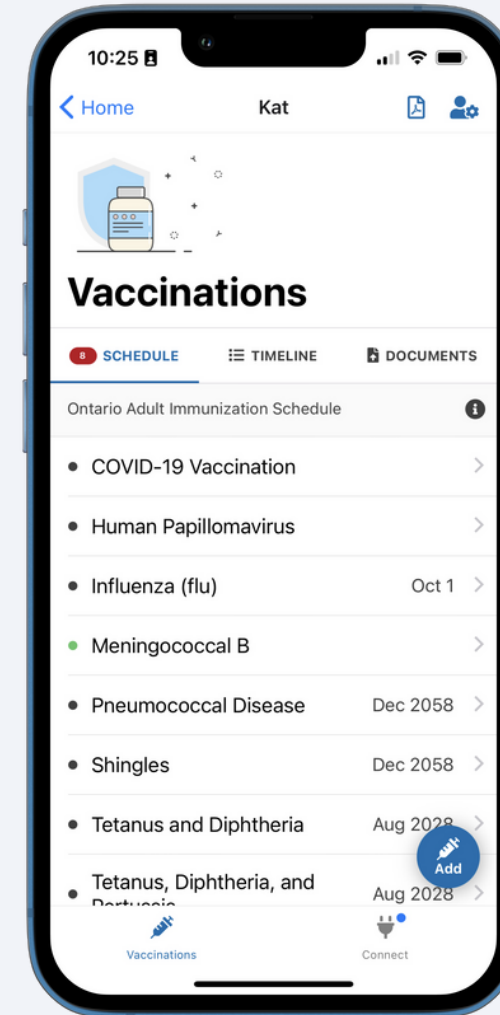
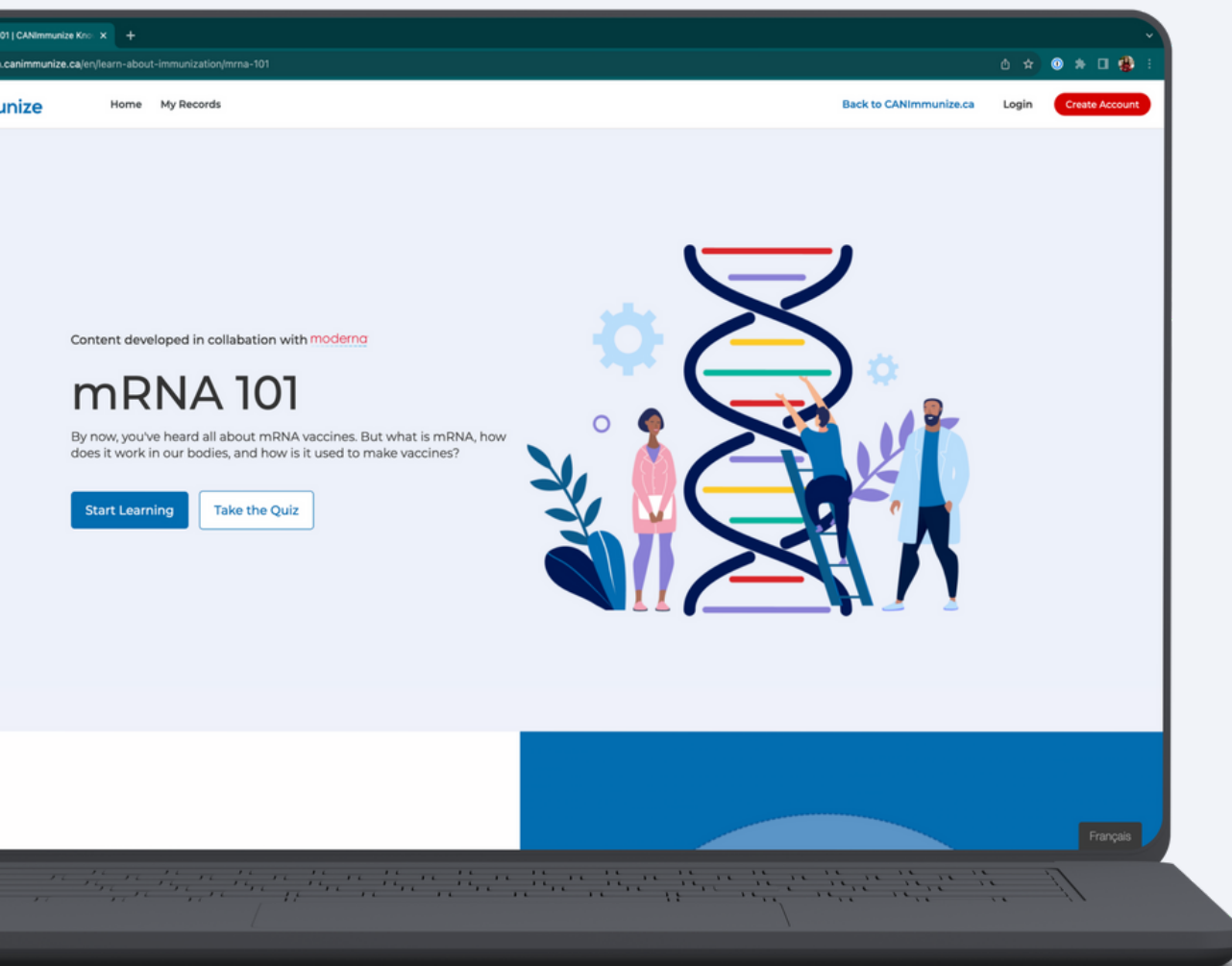
Transparent Data

- Build infrastructure to support pan-Canadian data collection and analysis.
- Implement data standards to enable pooled analysis.



Engaging Patients

CANImmunize



Childhood Immunizations

A Need to Catch Up

nature

Explore content ▾ About the journal ▾ Publish with us ▾ | Subscribe

[nature](#) > [news](#) > article

NEWS | 26 July 2022

Pandemic drives largest drop in childhood vaccinations in 30 years

Last year alone, 25 million children missed out on immunizations against infections such as measles and polio, leading to avoidable outbreaks of disease.

Local News

Dropping childhood immunization rates are putting children at risk: Dr. Vera Etches

“The lack of protection with childhood vaccines is concerning.”

Elizabeth Payne

Published Sep 20, 2022 • 3 minute read

Calgary

Health experts warn vaccine-preventable illnesses could rise in Alberta



Routine childhood vaccinations have dwindled during the pandemic



Jennifer Lee · CBC News · Posted: Sep 13, 2022 3:37 PM EDT | Last Updated: September 13, 2022



CANADA WORLD BUSINESS INVESTING WATCHLIST PERSONAL FINANCE OPINION POLITICS SPORTS LIFE ARTS

Fewer Canadians believe in value of childhood vaccines, according to new global report

CARLY WEEKS > HEALTH REPORTER

PUBLISHED APRIL 19, 2023

Supporting Programs

CANImmunize

staging.canimmunize.ca/cohorts/bfb49854-9049-44c2-8715-8c2a4385479e

CANI Demo

ECONSENT STAGINGkathryndenize+econsentstaging@canimmunize.ca

Blue Jay Elementary School (2023-2024)

EditDelete

Clinic Start Date2023-08-01

Clinic Lead NameRobin Woods

Clinic Lead Emailrobin+edit@canimmunize.ca

Clinic Lead Phone(902) 555-4465

Search

Name	Type	Status	Parent/Guardian	Last Email Sent	Date Consent Completed
Demo, New		Incomplete	Yes	2023-08-28 01:29 PM	
Denize, Finch		Reviewed	Yes	2023-07-18 10:06 AM	2023-07-18 10:23 AM
Gordon, Hummingbird		Incomplete	Yes	2023-08-28 01:15 PM	
MacDonald, Wren		Complete	Yes	2023-07-17 06:35 PM	2023-07-17 06:42 PM
MacPhee, Starling C		Reviewed	Yes		2023-07-17 06:36 PM
Smith, Kiwi Birdie		Reviewed	Yes		2023-08-28 01:16 PM

School Immunization Forms

You need to complete this form in one sitting. Refreshing or closing your browser window before submitting will clear the form and you will need to start over.

Required Forms

Billy Cabernet

School Immunization Consent Form

This consent form covers the Hepatitis B Vaccine, Human Papillomavirus (HPV) B Vaccine, Meningococcal Quadrivalent Vaccine, and Tetanus, Diphtheria, and Acellular Pertussis (Tdap) Vaccine. Nova Scotia Health is committed to protecting the privacy of your personal health information, in accordance with the Personal Health Information Act. Aggregate immunization data is collected by Public Health and is used for reporting to support planning and management, and to assess coverage rates within Nova Scotia.

- In Section 1, be sure to indicate whether your child has an allergy or has had a reaction to a vaccine.
- If your child has ever received any of these vaccines, be sure to note the dates on which they received them in Section 2. This will help the nurse determine which vaccines your child needs.

Section 1: Student's Personal Information

First Name *Last Name *

BillyCabernet

Preferred NamePronoun

AddressPostal Code

Health Card Number *Date of Birth *

66661111202010-05-09

Parent / Guardian Name *Parent / Guardian Email

Billy Dad Cabernetkathryndenize+econsentstaging@canimmunize.ca

Parent / Guardian PhoneFamily Doctor's/Nurse Practitioner's Name

05123111-1112

Other Parent / Guardian NameOther Parent / Guardian Phone

School Name *Grade *

12:22 PM Tue Jun 6

Back to Clinic: KCF Training ClinicRefresh

Appointment - June 6, 2023 9:00 AM

Emily, Example

Personal Info

Health Card Number

Health Card Type

Date of BirthMarch 3, 2021

Age2 years

GenderFemale

Immunization History

No previous doses recorded

General Forms

Core Immunization Screening FormIncomplete

Sociodemographic17 hours ago on 05-Jun-2023 by Emily, Example

Demographics17 hours ago on 05-Jun-2023 by Emily, Example

AEFI & Clinical Notes

Clinical Notes0 note(s) available for this patient

Book a Pediatric Routine Immunizationkcf.flow.canimmunize.ca/en/vaccinateandupdate

Select Service(s) and Review Eligibility

Please enter the information for the person you are booking an appointment for, exactly as it appears on their health card. Changing the date of birth will process.

Date of Birth *

MonthSelect

DaySelect

YearSelect

Select all the services you want to book an appointment for:

Vaccine History Assessment

2, 4, & 6 Months Routine Vaccinations

12, 15 & 18 Months Routine Vaccinations

4-6 Years Routine Vaccination

Grade 7 School Vaccination

14-16 Years Routine Vaccination

COVID-19

Select additional service(s) or press "Continue to Booking"

Summary

"The best time to start was yesterday. The next best time is now." - Unknown



01

Power in Partnerships

Leverage the expertise of both government and private to build the health system we need.

02

Prioritize the Patient

Empower them, with knowledge and their own data, to make their own decisions.

03

Reduce Barriers

For providers and the public, giving time back for what matters most.

04

Real-Time Data

Data is essential for maintaining trust and making timely, informed decisions.

Thank you!

Questions?

✉ kathryn@canimmunize.ca
in [katmmacdonald](#)

