



Shared health  
**Soins communs**  
Manitoba

# Public Health Information Management System (PHIMS)

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## PHIMS 4.4.5 Upgrade Immunizations Module Changes

July 2022

# Table of Contents

1. New features summary
2. Client record (demographics) updates
3. Immunization module updates
4. Reports

# New Features Summary

1. Improvements to search functionality
2. Updates to client demographics sections – adding information to Address, Ethnicities, Phone numbers, etc
3. Ability to add High Priority Warning
4. Consent directives defect fixed
5. Ability to forecast Inactive client records
6. Ability to document same day deferrals

# New Features Summary continued

7. Improvements to Mass Immunization Events (MIE's):
  - a. Add multiple clients, multiple lists to events
  - b. Search MIE's by Organization
  - c. Search/add clients by address
  - d. Record Ethnicity info and clinical notes from worksheet
  - e. Worksheet displays vaccine tradename
  - f. Lot number expiry warning
8. Scheduled Reports - Report Status improvement

# General and Client Demographic Updates

# Searching “mid-string”

- Option to uncheck “starts with” on many organization and provider search boxes, allowing “mid-string” searches  
Great improvement when searching for providers

Health Region Organization:

Starts With

Mount

Exact Match

- Prairie **M**ountain Health, Manitoba
- Prairie **M**ountain Public Health, Manitoba
- Medical Clinic Prairie **M**ountain, Manitoba
- Prairie **M**ountain LTC, Manitoba
- Prairie **M**ountain Mental Health, Manitoba
- Prairie **M**ountain RHA Other Facilities
- Prairie **M**ountain Occupational Health
- Prairie **M**ountain Home Care
- Prairie **M**ountain Non-RHA Occupational Health

\* Service Delivery Location:

Starts With

McD

- École George **M**CDowell, Winnipeg, Manitoba
- Dr. HEATHER D **M**CDONALD,
- Dr. PATRICK J **M**CDONALD,
- Dr. DOUGLAS F **M**CDERMID,
- Dr. CARA L **M**CDONALD,
- Dr. CAIRISTIN **M**CDUGALL,

# Embedded Find Command (EFC)

1. Service Delivery Location, Provider and Organization  
EFC's "Show Info" displays more details

Click Find to select a provider:

Provider:BUCHAN, SHELLEY M, Medical Doctor, Dr. SHELLEY M BUCHAN, NA Find

Please select among the 2 available search methods; Search or Type. Close X

Type Search

*Start typing the last name of the Provider. Matches will begin to appear below.  
Select the match with the keyboard or mouse.*

Starts With

Name of Provider:  Show Info

Name of Provider:  Show Info

<b>Name:</b>	<b>Status:</b>	<b>SDL:</b>
BUCHAN, SHELLEY M	Active	Dr. SHELLEY M BUCHAN: NA;
<b>Role/Identifiers:</b>	<b>Phone/Email:</b>	
Medical Doctor		
Provincial provider billing number: P01586		

# Client Header Display

- Configurable to make name fields more noticeable by bolding and changing font color
- Optional Preferred Alternate Name display in Client Header now available

**Client Demographics** [Save] [Reset] [More] [log] [Print]

Client ID: 5738	<b>Name(Last, First Middle) / Gender:</b> Tuscadero, Pinky / Female	<b>Preferred Alternate Name:</b> Fonzarelli, Pinky	Health Card No: 333444555
Date of Birth / Age: 2000 Aug 19 / 21 years	Phone Number: Mobile Contact: 204-888-4455	Health Region Organization: Manitoba, Winnipeg Health	Additional ID Type / Additional ID: Manitoba Health Family Registration Number / 258963

- On Client Demographics screen, navigate to 'Alternate Names', add name, select 'Set Preferred'

**Alternate Names** [Add]

[Update] [Delete] [Clear Preferred] [Set Preferred]

	Alternate Name Type	Last Name	First Name	Middle Name	Preferred
<input checked="" type="checkbox"/>	Pseudonym	Fonzarelli	Pinky		<input checked="" type="checkbox"/>

# Multiple Ethnicities

- Allows any number of Ethnicities to be added to a client instead of just one

### Ethnicity Information

↑

Add

Update Delete

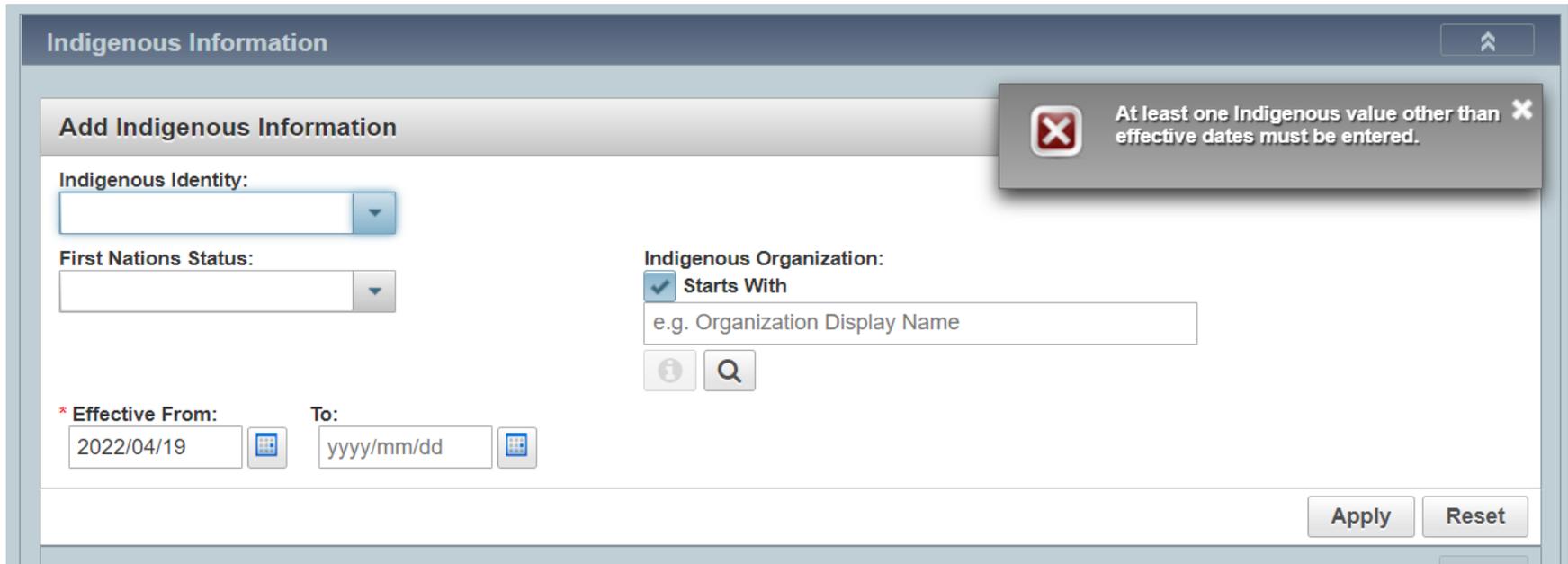
	⊞	Ethnicity ▲	Other Ethnicity ⚡	Ethnicity Reported by ⚡
⊞	⊞	Chinese		Self
⊞	⊞	Filipino		Self
⊞	⊞	Other	Irish	Self

Total: 3

⏪ ⏩ 1 ⏪ ⏩ 10 ▼

# Client Record Updates

1. Indigenous: A new rule was added to ensure at least one Indigenous value is entered to avoid data quality issues



The screenshot shows a web form titled "Indigenous Information". The form has a header bar with the title and an upward arrow icon. Below the header is a section titled "Add Indigenous Information". A red error message box is overlaid on the form, stating: "At least one Indigenous value other than effective dates must be entered." The form contains several fields: "Indigenous Identity" (a dropdown menu), "First Nations Status" (a dropdown menu), "Indigenous Organization" (a checked checkbox labeled "Starts With" followed by a text input field with the placeholder "e.g. Organization Display Name" and two small icons: an information icon and a search icon), and "Effective From" and "To" (date pickers). The "Effective From" field is pre-filled with "2022/04/19" and the "To" field is pre-filled with "yyyy/mm/dd". At the bottom right of the form are "Apply" and "Reset" buttons.

# Telephone Number

- New comments free text field in “Add Telephone Number” modal, which can be associated with telephone numbers to provide more details on how to contact a client

**Telephone Numbers**

**Add Telephone Number** [Apply] [Reset] [Print] [Close]

Telephone Number:  
\* Country: Canada \* Number: 431-888-7777 x [ ] \* Usage: Primary Home

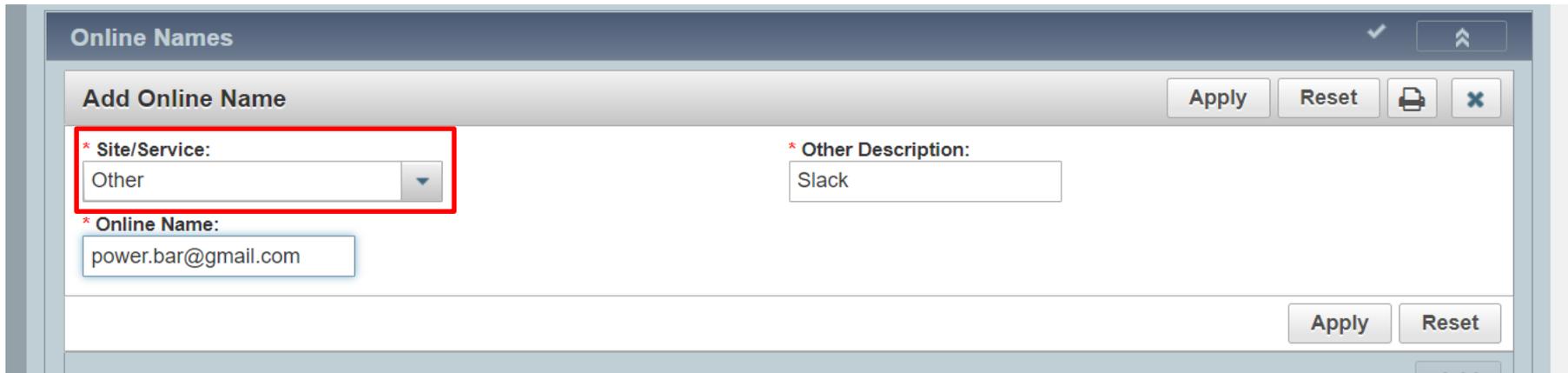
**Details:**  
This phone number is client's parent's home, where client is currently staying.  
(1920 characters remaining.)

\* Effective From: 2022/05/12 To: yyyy/mm/dd

[Apply] [Reset]

# Client Online Names

1. New 'Other' option available for selection, and 50 character free-text field for 'Other Description'



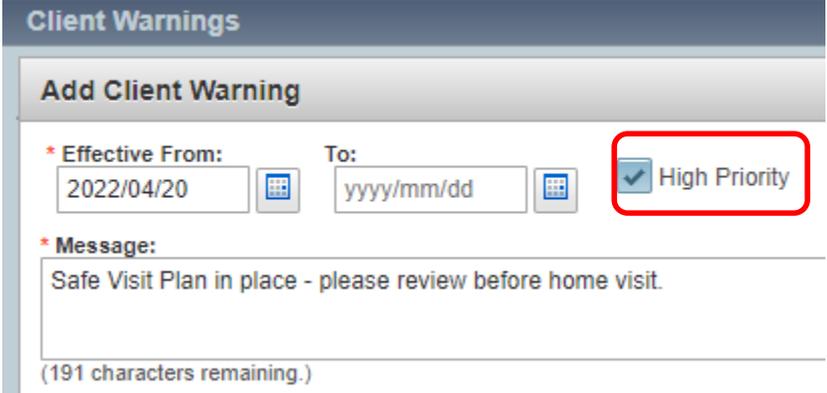
The screenshot displays a web interface titled "Online Names". At the top right, there is a checkmark icon and an upward arrow icon. Below the title bar is a section labeled "Add Online Name" with "Apply", "Reset", a printer icon, and a close icon. The form contains three required fields, each marked with an asterisk:

- \* Site/Service:** A dropdown menu with "Other" selected. This field is highlighted with a red border.
- \* Other Description:** A text input field containing "Slack".
- \* Online Name:** A text input field containing "power.bar@gmail.com".

At the bottom right of the form, there are "Apply" and "Reset" buttons.

# Client Warnings/Alerts

1. New: Client-related popup alert for high priority warnings.
2. When a high priority warning is created, the warning displays when the client is placed into context.
3. This feature is only available in Next Gen pages; does not display in Investigations (classic) pages.

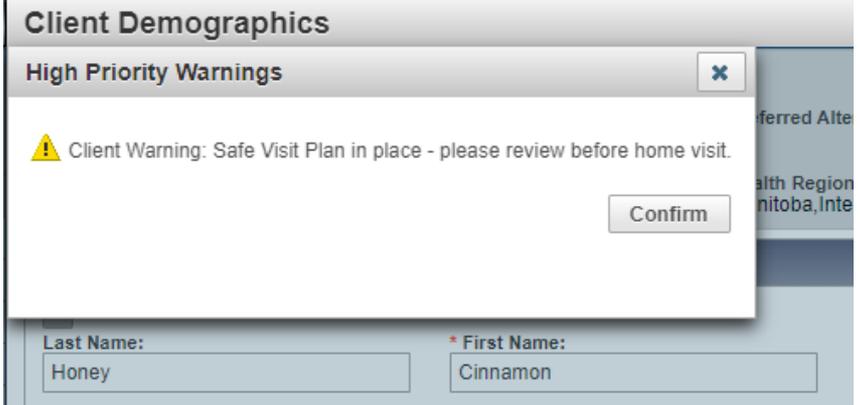


**Client Warnings**

**Add Client Warning**

\* Effective From: 2022/04/20 To: yyyy/mm/dd  High Priority

\* Message:  
Safe Visit Plan in place - please review before home visit.  
(191 characters remaining.)



**Client Demographics**

**High Priority Warnings** [X]

⚠ Client Warning: Safe Visit Plan in place - please review before home visit.

Confirm

Last Name: Honey First Name: Cinnamon

# Immunization Module Updates

# Consent Directives Improvement

1. Can now switch between Grant and Refuse on same day
2. Auto-expiry of existing consent directives for the same antigen(s). A warning of an 'active' consent directive is issued; upon Save, a confirmation message "An active Consent Directive(s) existed..." and consent record is updated.

## Record Consent for Service

An active consent directive exists for the agent/antigen(s) selected; if a new overlapping consent record is successfully created the original consent directive will be automatically expired.

Clients:  
Farina-W-20220414, Flower-1

Consent will be recorded for agents:

- HB  
 HPV-9

Number of Doses:

\* Instruction:

Refuse

\* Reason for Refusal:

Immunizations Up to...

Reason Description:

\* Effective From:

2022/05/16



To:

2023/05/16



Form of Consent:

Written



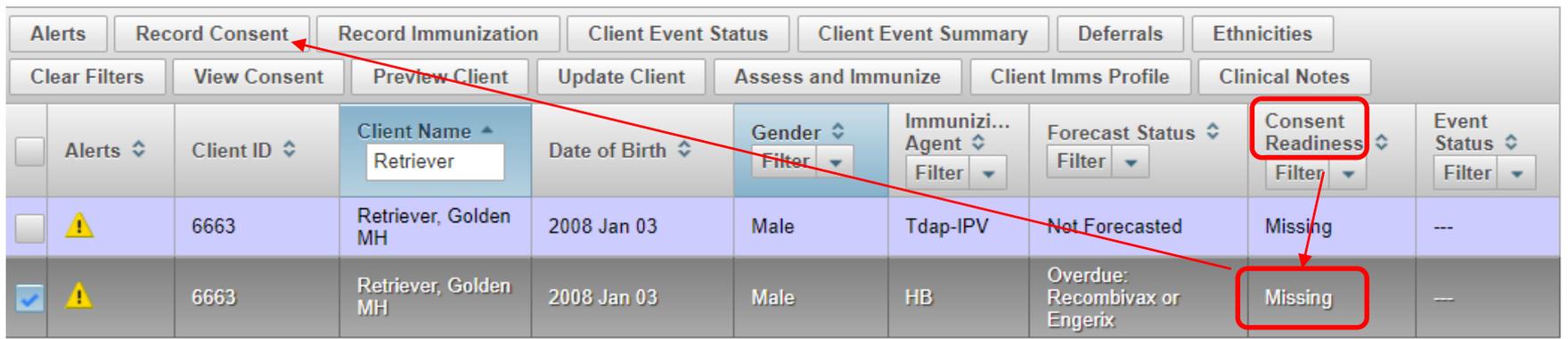
An active Consent Directive(s) existed for some of the Agent/Antigen(s) selected and it was automatically expired.



Consent records for the selected client/agent combinations that are applicable to the event have been updated successfully.

# Consent directives inaccurate warning

1. An incorrect warning appears when recording consent for a previously expired consent directive for the same vaccine from within:
  - the single imms 'add immunization' modal
  - the mass imms worksheet 'record consent' modal
2. The worksheet indicates Consent Readiness is "Missing"; select 'Record Consent'



Alerts													
Record Consent		Record Immunization		Client Event Status		Client Event Summary		Deferrals		Ethnicities			
Clear Filters		View Consent		Preview Client		Update Client		Assess and Immunize		Client Imms Profile		Clinical Notes	
<input type="checkbox"/>	Alerts	Client ID	Client Name	Date of Birth	Gender	Immunizi... Agent	Forecast Status	Consent Readiness	Event Status				
<input type="checkbox"/>	⚠	6663	Retriever, Golden MH	2008 Jan 03	Male	Tdap-IPV	Not Forecasted	Missing	---				
<input checked="" type="checkbox"/>	⚠	6663	Retriever, Golden MH	2008 Jan 03	Male	HB	Overdue: Recombivax or Engerix	Missing	---				

# Consent directives continued

1. Selecting “Record Consent” opens the Record Consent for Service modal where the inaccurate warning appears “An active consent directive exists for the agent/antigen(s)...”

**Record Consent for Service**

An active consent directive exists for the agent/antigen(s) selected; if a new overlapping consent record is successfully created the original consent directive will be automatically expired.

Clients:  
Retriever, Golden MH

Consent will be recorded for agents:  
 HB  
 Tdap-IPV

Number of Doses:

\* Instruction: Reason for Refusal: Reason Description:  
Grant

\* Effective From: To: Form of Consent:  
2022/06/01  yyyy/mm/dd

2. Once the ‘Effective To’ date is entered, the warning disappears; proceed with consent.

**Record Consent for Service**

Clients:  
Retriever, Golden MH

Consent will be recorded for agents:  
 HB  
 Tdap-IPV

\* Instruction: Reason for Refusal: Reason Description:  
Grant

\* Effective From: To: Form of Consent:  
2022/06/01  2023/06/01  Written

# Ability to forecast Inactive Clients

**Immunizations**
Save   Reset   More   log   ?   [icon]

INACTIVE

Client ID: 5657	Name(Last, First Middle) / Gender: <b>Lion, Dandy mh / Male</b>	Preferred Alternate Name: -	Health Card No: 888777444
Date of Birth / Age: 2008 May 21 / 13 years 11 months	Phone Number: -	Health Region Organization: Manitoba, Interlake-Eastern Health	Additional ID Type / Additional ID: Manitoba Health Family Registration Number / -

**Immunization Details** ✓ [dropdown]

**Immunization History - Detailed Data Table** ✓ [dropdown]

**Tab Panel** ✓ [dropdown]

**Antigen Count** ✓ [dropdown]

**Immunization Forecast by Agent/Antigen** ✓ [dropdown]

Last Forecast Ran On: 2022 May 19

Forecast Status calculated as of: 2022 May 19 Refresh Forecast [info]

Immunizing Agent/Antigen	Forecasted Dose #	More Info	Volume	Trade Name	Eligible	Due	Overdue	Forecast Status
Varicella	2				2022 Jun 16	2022 Jun 16	2021 Jun 21	Overdue
Tdap ( Diphtheria toxoid low dose*, Tetanus toxoid* )	5	EDS			2031 May 19	2032 May 19	2032 Jun 19	Up To Date

# Search Immunizations function

1. Search Immunizations function allows the user to search for immunizations administered within the set search criteria
2. This functionality provides a range of options for searching:
  - a. Immunization agent (**mandatory data input**)
  - b. One or more vaccine lot numbers (**mandatory data input**)
  - c. Immunization administered date(s)
  - d. Immunization provider
  - e. Organization
  - f. Service Delivery Location (clinic location)
3. Search results generates a list of clients immunized within the set search criteria
4. Useful to identify clients immunized with a certain vaccine lot number, and at a selected clinic, or within a defined date range

# Search Immunizations continued

**Search Immunizations** Search Retrieve Reset

**Search Criteria**

Immunization Agent: HPV-9

Immunization Status:  Include Invalidated Immunizations

Immunization Administered Date: From: 2022/06/13 To: 2022/06/14

Lot Number:  Display Expired and Recalled Lots

Show All  Publicly Funded  Non-Publicly Funded

Available Lot Number:

- N028718 - Exp. 2050 Dec 31
- N035485 - Exp. 2050 Dec 31
- R003304 - Exp. 2050 Dec 31
- R011465 - Exp. 2050 Dec 31

Selected Lot Number:

- N025434 - Exp. 2050 Dec 31

Provider:  Starts With e.g. Provider Last Name, First Name

Organization:  Starts With e.g. Organization Display Name

Service Delivery Location:  Starts With Teulon Elementary School, Teulon, Manitoba

Choose one:

- Date of Birth: yyyy/mm/dd
- Date of Birth Range: From: yyyy/mm/dd To: yyyy/mm/dd
- Age: e.g. 2 or 0-18 or 18-99 Year(s)
- None of the above

**Search Results**

Preview Client View Imms Profile Invalidate Doses

	Client Name	Date of Birth	Immunization Administered Date	Immunization Agent	Immunization Status	Lot Number
<input type="checkbox"/>	Armstrong, Louis	2010 Jun 01	2022 Jun 13	HPV-9	Valid	N025434 Exp. 2050 Dec 31
<input type="checkbox"/>	LOCKS, GOLDI	2010 May 19	2022 Jun 13	HPV-9	Valid	N025434 Exp. 2050 Dec 31
<input type="checkbox"/>	Rabbit, Jessica	2009 Jul 19	2022 Jun 14	HPV-9	Valid	N025434 Exp. 2050 Dec 31

# Deferral dates

1. Ability to add Effective from date = Effective to date (same day deferral)

### Deferrals

#### Add Deferrals

Apply

\* Immunizing Agent: COVID19-Pfizer

\* Reason: Other - specify

\* Effective From: 2022/05/19 To: 2022/05/19

Comments:  
Client is not eligible for COVID Pfizer until tomorrow. Is deferred for today's clinic visit.  
(1906 characters remaining.)

# MIE - Add multiple clients

1. Can easily add multiple clients to Update Mass Imms page
2. Can now see when the forecast has been scheduled and what date it will run on

The screenshot displays the 'Update Mass Imms Event' interface. At the top, there are buttons for 'Save', 'Reset', and 'Worksheet'. Below this is the 'Client List' section, which includes buttons for 'Search Clients', 'Search Cohort', 'Search Client List', 'Upload Client List', and 'Remove Client List'. The current cohort is 'Stonewall Gr 8 test', and there is a 'Schedule Forecast' button. The client list is 'Stonewall Gr 8 test', attached on '2022 May 02'. The oldest forecast within this group is '2022 Apr 27 15:45 CDT'. A red box highlights the text: 'Next Scheduled Forecasts for Client List: 2022 May 16'. Below this is the 'Client List Content' section, which includes a 'Client List' dropdown (currently 'Stonewall ...'), a 'Client' search field, and a 'Search Type' dropdown. The search results show two clients: 'Giant, Green | ID 5666 | 852369874 | Male | 2012 Jan 07' and 'Boop, Betty | ID 5680 | 888222444 | Female | 2012 Aug 16'. There are also 'Remove' and 'Add' buttons.

# MIE – Add multiple lists

1. Can now add multiple lists to a mass imms event; toggle back and forth between the lists on different worksheets within the same event
2. Improves worksheet performance and allows better organization of MIE's

The screenshot displays the 'Update Mass Imms Event' interface. At the top, there is a header 'Update Mass Imms Event'. Below it, a 'Client List' section contains several buttons: 'Search Clients', 'Search Cohort', 'Search Client List', and 'Upload Client List'. The 'Cohort' is set to 'Test multiple lists - report' with an information icon and a 'Schedule Forecast' button. The 'Client List' is currently set to 'Teulon Flu list 1', with an 'Attached on' date of '2022 May 03'. A note states: 'The oldest forecast within this group of clients: 2022 Apr 27 15:46 CDT' and 'All the clients in this event were last forecasted as a group on:'. Below this, a section titled 'Client List Content' shows a dropdown menu for 'Client List' with 'Teulon Flu ...' selected. A search box is visible, and a list of options is shown: 'Teulon Flu list 1' and 'Teulon Flu list 2'. To the right, a 'Client' field is labeled 'Client Last Name or ID' and contains 'Jobst, Edwin'. An 'Update' button is also visible.

# MIE – Search by Organization

Ability to search mass imms event by organization; when deselecting the 'Exact Match' checkbox, all MIE's created under the selected Organization will display in the search results.

### Search Mass Imms Event

Event ID:

Status:

Event Type:

Event Date Range:  
From:  To:

Organization:  
 Starts With  
    Exact Match

Service Delivery Location:

### Search Results

	Event ID	Event Title	Event Date	Additional Dates	Client List
<input type="radio"/>	259	Teulon Flu - test multiple lists	2022 May 04		Yes
<input type="radio"/>	257	Stonewall Gr 8 test	2022 May 02	2022 May 03 , 2022 May 16	Yes
<input type="radio"/>	248	Arborg EMS Gr 6	2022 Apr 26		Yes

# MIE – Client search by address

When in MIE, allows searching by client address; useful for adding families at the same address, or when in MIE for PCH – search residents by PCH address

**Search Clients** Search Retrieve Reset Cancel

**Advanced Search Criteria**

**Client Merge** ▼

**Contact Method** ▼

**Client Location** ✓ ▲

Address Format:  
 Structured

Unit No.:  Street No.:  Street Name:  Street Type:  Street Direction:

P.O. Box:  STN:  RPO:  Rural Route:

Country:  Province / Territory:  City / Town:  Postal Code:

**Other Address Details:**  
  
(100 characters remaining.)

**Health Services** ▼

---

**Search Results**

[Create Client](#)

Preview Select and Return Client Imms Profile

<input type="checkbox"/>	<input checked="" type="checkbox"/>	Client ID	Health Card Number	Last Name	First Name	Middle Name	Gender	Date of Birth	Health Region	Active
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5680	888222444	Boop	Betty	MH	Female	2012 Aug 16	Interlake-Eastern Health	Active
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5703	676767676	Lightyear	Buzz	mh	Male	2006 Nov 22	Interlake-Eastern Health	Active
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5657	888777444	Lion	Dandy	mh	Male	2008 May 21	Interlake-Eastern Health	Active



# MIE – View alerts

1. Improved performance of MIE's by removing hyperlink on alert icon and providing modal window

The screenshot displays a web application interface with a top navigation bar containing buttons for 'Alerts', 'Record Consent', 'Record Immunization', 'Client Event Status', 'Client Event Summary', 'Deferrals', and 'Ethnicities'. Below this is a secondary bar with 'Clear Filters', 'View Consent', 'Preview Client', 'Update Client', 'Assess and Immunize', and 'Client Imms Profile'. A 'Clinical Notes' button is also present. The main content is a table with columns: Alerts, Client ID, Client Name, Date of Birth, Gender, Immun... Agent, Forecast Status, Consent Readiness, and Event Status. The table contains three rows of data. The first row is for 'Bader, Barbara' (Client ID 51), the second for 'Barrett, Brittney' (Client ID 86), and the third for 'Cable, Mouse sdr' (Client ID 3377). The 'Alerts' column for the third row contains a checked checkbox and a yellow warning triangle icon, which is circled in red. A red arrow points from the 'Alerts' button in the top navigation bar to this warning triangle icon.

Alerts	Client ID	Client Name	Date of Birth	Gender	Immun... Agent	Forecast Status	Consent Readiness	Event Status
<input type="checkbox"/>	51	Bader, Barbara	1968 May 31	Female	COVID... AstraZe...	Not Forecasted	Missing	---
<input type="checkbox"/>	86	Barrett, Brittney	2007 May 04	Female	COVID... AstraZe...	Not Forecasted	Missing	---
<input checked="" type="checkbox"/> 	3377	Cable, Mouse sdr	1966 Jan 26	Female	COVID... AstraZe...	Not Forecasted	Missing	---

# MIE – Display vaccine tradename

1. Each distinct agent on the mass imms event continues to be listed once for each client; if the client is forecasted for a specific tradename, the tradename displays.

**Event Worksheet** ✓ ⬆

Event Title: Balmoral Gr 6 HB, HPV      Event ID: 260  
Event Date: 2022 May 16      Location: Stonewall PHO  
Event Type: School      Status: Open  
Created By: Hawryluk, Melody

Displaying 3 out of 3 available clients

Client List: Balmoral ...      Client: Client Last Name or ID      Search Type: [ ] [i] [Q] [Add]

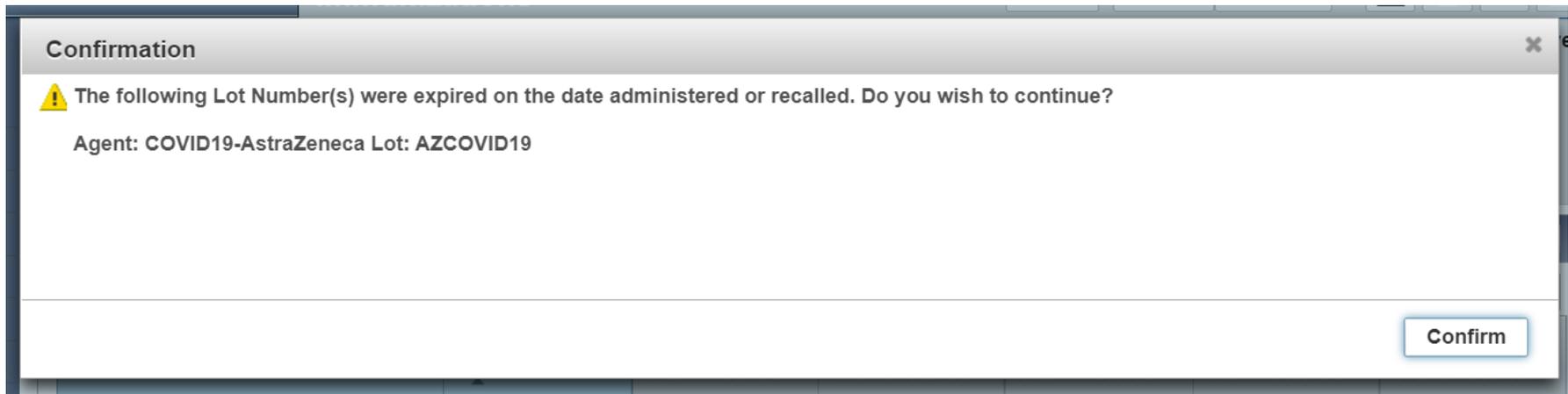
Alerts   Record Consent   Record Immunization   Client Event Status   Client Event Summary   Deferrals   Generate Letters   Ethnicities

Clear Filters   View Consent   Preview Client   Update Client   Assess and Immunize   Client Imms Profile   Clinical Notes

<input type="checkbox"/>	Alerts ⌵	Client ID ⌵	Client Name ▲	Date of Birth ⌵	Gender ⌵ Filter ▼	Immunizi... Agent ⌵ Filter ▼	Forecast Status ⌵ Filter ▼	Consent Readiness ⌵ Filter ▼	Event Status ⌵ Filter ▼
<input type="checkbox"/>		6302	Farina-W-20220414, Flower-1	2009 Mar 23	Female	HB	Overdue: Recombivax	Granted	---
<input type="checkbox"/>		6302	Farina-W-20220414, Flower-1	2009 Mar 23	Female	HPV-9	Not Forecasted	Granted	---
<input checked="" type="checkbox"/>		6343	Gabor-W-20220414, Gino-1	2009 Apr 03	Male	HB	Overdue: Recombivax or Engerix	Granted	---
<input type="checkbox"/>		6343	Gabor-W-20220414, Gino-1	2009 Apr 03	Male	HPV-9	Overdue	Granted	---

# Lot Number Expiry Date

1. Rules to indicate expiry dates for lots aligned with inventory
2. Now shows that a lot is expired the day after its expiry date (instead of the day of)
3. Now have a pop-up warning message if the lot number expiry date is prior to the administered date on the immunization profile and MIE pages



# Client Immunizations Screen

1. Provide client information header when accessing Client Immunization profile preview modal from Search Immunizations screen

**Preview Client Immunization History** ✕

Client ID: 3243 Health Card Number: 946328972 - Manitoba Health Card  
Client Name: Adamo, Ursula Gender: Female  
Date of Birth: 1982 Sep 16

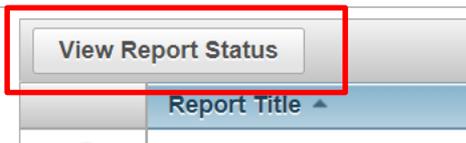
Immunization History  Forecast by Agent  Forecast by Disease  Antigen Count

Agent ▲	Date Administered ⚡	Age at Administration ⚡	Status ⚡	Trade Name ⚡	Body Site ⚡	Volume ⚡
COVID19-AstraZeneca	2020 Dec 07	38y	Valid	AstraZeneca COVID-19 Vaccine	Deltoid: left	0.5 mL
COVID19-Janssen	2020 Dec 07	38y	Invalid	Janssen	Deltoid: left	0.5 mL

# Report Status

- New: View Report Status and View Report History combined into one button and one list

## Manitoba Reports



Investigations **Report Status** Return Print ?

Report: MB1703-Clients Created

### Scheduled Reports

Update

View Report Output

	Report Date/Time ▾	Run Schedule Title ⇅	Run Status ⇅	Format of Report ⇅	Scheduled By ⇅
<input type="radio"/>	2022 Apr 4 08:00 CDT	MB1703-Clients Created	pending	PDF	(Self)
<input type="radio"/>	2022 Apr 1 15:45 CDT	MB1703-Clients Created	pending	PDF	(Self)
<input type="radio"/>	2022 Apr 1 15:23 CDT	MB1703-Clients Created	complete	PDF	(Self)

Total: 3



10 ▾