



Shared health
Soins communs
Manitoba

Public Health Information Management System (PHIMS)



PHIMS 4.4.5 Upgrade Investigations and Outbreak Modules

July 2022

Table of Contents

1. New features summary
2. Client records (demographics) updates
3. Investigation module updates
4. Outbreaks module updates
5. 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. Improvements to Investigations module:
 - a. Can now record Disease Staging date
 - b. Risk Factors screen lists all associated diseases
 - c. Lab report screen investigation drop-list displays all diseases
 - d. Lab summary – option to view all labs for the client
 - e. Lab summary – new column of PH Received date
 - f. Transmission Event Unknown Contacts disposition details
5. Outbreak module – terminology changes

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

* Service Delivery Location:

Starts With


McD


- École George **McDowell**, Winnipeg, Manitoba
- Dr. HEATHER D **MCDONALD**,
- Dr. PATRICK J **MCDONALD**,
- Dr. DOUGLAS F **MCDERMID**,
- Dr. CARA L **MCDONALD**,
- Dr. CAIRISTIN **MCDUGALL**,

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 

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

Name:	Status:	SDL:
BUCHAN, SHELLEY M	Active	Dr. SHELLEY M BUCHAN: NA;
Role/Identifiers:	Phone/Email:	
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

The screenshot shows the 'Client Demographics' interface. The title bar includes 'Client Demographics', 'Save', 'Reset', 'More', 'log', and a printer icon. The main content area displays client information in a grid:

Client ID: 5738	Name(Last, First Middle) / Gender: Tuscadero, Pinky / Female	Preferred Alternate Name: Fonzarelli, Pinky	Health Card No: 333444555
Date of Birth / Age: 2000 Aug 19 / 21 years	Phone Number: 204-888-4455 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'

The screenshot shows the 'Alternate Names' interface. The title bar includes 'Alternate Names' and an up arrow icon. Below the title bar is an 'Add' button. A table below contains the following information:

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

Multiple Ethnicities

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

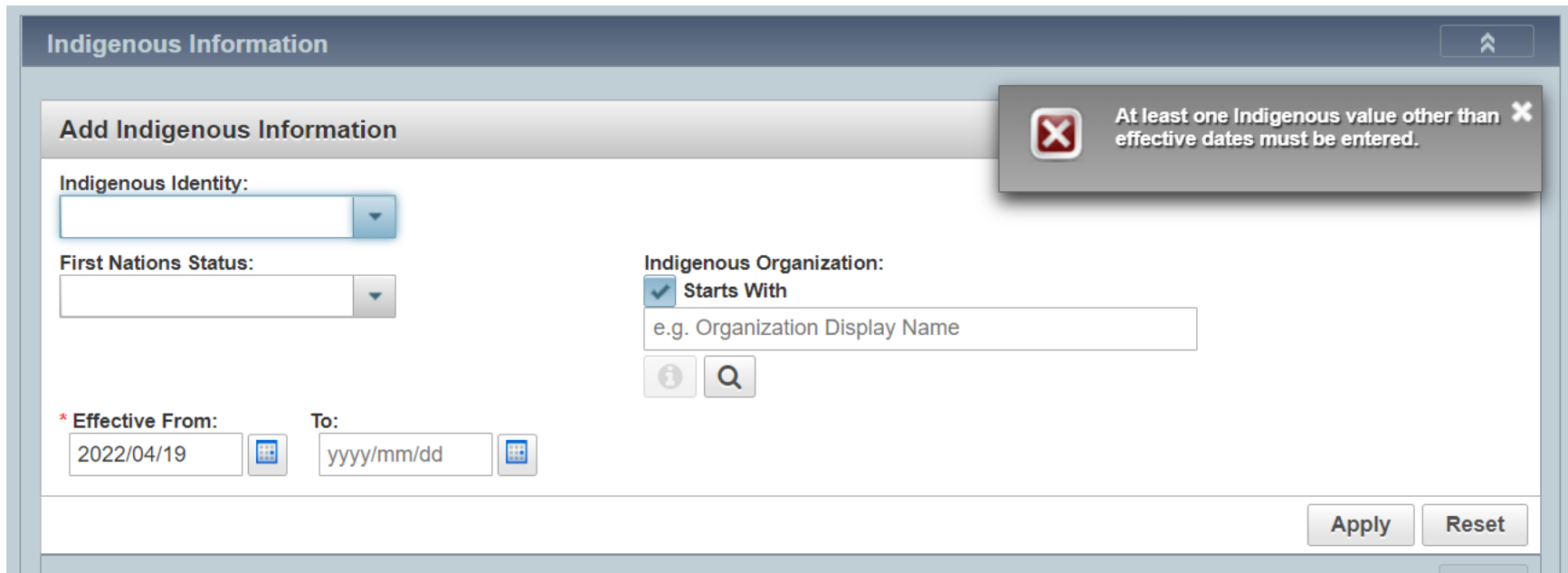
Ethnicity Information ⬆

<input type="checkbox"/>	<input type="checkbox"/>	Ethnicity ⬆	Other Ethnicity ⬆	Ethnicity Reported by ⬆
<input type="checkbox"/>	<input type="checkbox"/>	Chinese		Self
<input type="checkbox"/>	<input type="checkbox"/>	Filipino		Self
<input type="checkbox"/>	<input type="checkbox"/>	Other	Irish	Self

Total: 3 ⏪ ⏩ 1 ⏪ ⏩ 10 ⏴

Client Record Updates

1. Indigenous Information: 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". 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 "Effective From" and "To" (date pickers). The "Effective From" field is pre-filled with "2022/04/19". There are also information and search icons below the organization field. At the bottom right of the form are "Apply" and "Reset" buttons. A grey error message box is overlaid on the top right of the form, containing a red 'X' icon and the text: "At least one Indigenous value other than effective dates must be entered."

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'

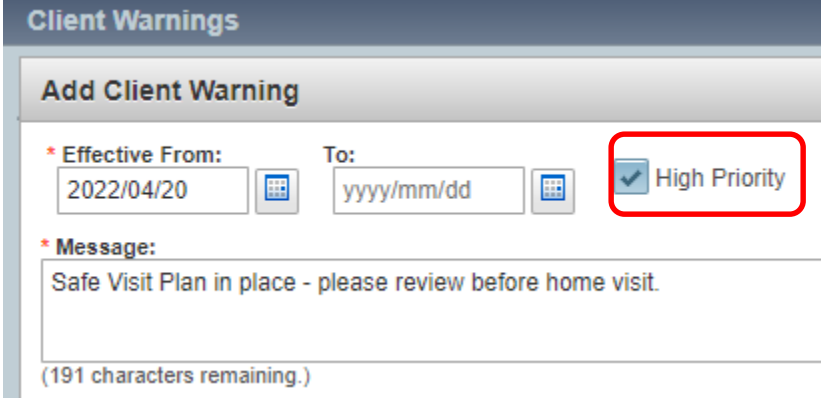
The screenshot shows a web form titled "Online Names" with a sub-section "Add Online Name". The form contains the following fields and controls:

- * 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".

Buttons for "Apply" and "Reset" are located at the top right of the "Add Online Name" section and at the bottom right of the form.

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.

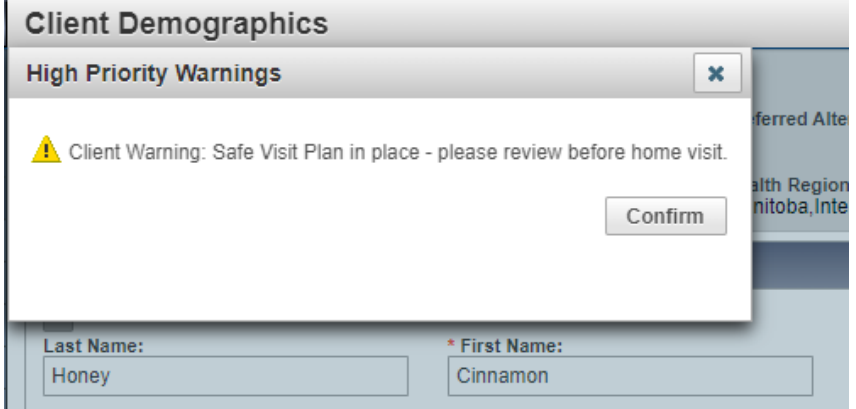


Client Warnings

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 [Close]

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

Confirm

Last Name: Honey First Name: Cinnamon

Investigations Module Updates

Disease Event – Staging Date

1. Can now record a date associated with Disease Staging
2. Date has been added to all screens where the Disease Event table is displayed (e.g., Subject Summary screen)

Disease Event History

* Disease:

Microorganism:

Information Source:

Site(s): Hold Ctrl and then click to select multiple items.


Available Sites:

Selected Sites(s):

Add >

< Remove

Staging:

Staging Date / / 

yyyy mm dd

Disease Event – Staging Date

- Visible in Disease Event History

Disease Event 2541 - Measles [Hide](#)

PHAC Date / Date Type: 2020 Jun 25 / Date Reported Disease Origin: Living on Reserve Most of the Time:

Row Actions:

Disease	Etiologic Agent	Epi Markers	Lab Result	Authority / Classification Classif. Date (✓ Primary Classification, Δ Set by Case Def)	Site(s)	Staging	Staging Date
Measles	-	-		✓ National / Case - Confirmed 2020 Jun 25	-	Late	2020 Jun 24
Measles	-	-		✓ National / Case - Confirmed 2020 Jun 25	-	Early	-
Measles	-	-		✓ National / Case - Confirmed 2020 Jun 25	-	-	-

Risk Factors – lists all diseases

- On the risk factors screen, the investigation hyperlink in the investigation column has been updated to include all diseases on an investigation

Risk Factor Responses ✓

Show Expired Responses Include Investigation Responses

! = Risk factor has other responses

Update View Delete Set Response Set Expiry

<input type="checkbox"/>	<input checked="" type="checkbox"/>			Risk Factor ▲	Additional Information ⇅	Reported Date ⇅	Response ⇅	Frequency ⇅	Effective From ⇅	Effective To ⇅	Investigation ⇅
<input type="checkbox"/>	<input checked="" type="checkbox"/>			Contact to a new or previously diagnosed case (specify infection and date)	Client's usual partner.	2022 May 16	Yes		2022 Apr 01		1334 (Chlamydia trachomatis infection, Gonorrhoea, Syphilis)

Lab Report Page – lists all diseases

- Investigation drop-list on the lab report page will display all diseases on an investigation (co-infections)

Selected Tests ^ Hide Selected Tests

Requisition Tests:

Row Actions:

Subject Investigations:

Pertinent Investigations:

Test Annotations:

(4000 characters)

	Test ID	Resulted	Test Name	Specimen	Collection Date	Pertinent Investigations	Test Annotations	Encounter Group
<input checked="" type="radio"/>	748	✓	Chlamydia trachomatis + Neisseria gonorrhoeae Referred	Urethral Swab	2022 May 11			Sexually Transmitted and Bloodborne Infections

Lab Summary

- Users now have an option to view all labs for the client and investigation(s), or just for the investigation in-context (as in 3.2.3).

Lab Summary

Notes

Client ID: 12438	Name(Last, First Middle) / Gender: tree, apple / -	Health Card No: -
Phone Number: -	Address:	Additional ID Type / Additi Provincial health service pro identifier / -

Investigation ID: 2406	Status: OPEN	Disposition: Pending
Disease: Measles	PHAC Date/Type: 2020 Jun 25 / Date Reported	Etiologic Agent: -

Requisitions

Display Tests For:	This Investigation Only
Test Category:	Client and All Investigations
Test Name:	This Investigation Only
Result Name:	

Lab Summary

- Updated lab summary table includes a new column “Public Health (PH) Received Date” and make this date the default sort for lab reports

Row Actions: [View/Update Requisition](#) [View/Update Lab Report](#)

* Flag indicates sensitivities present

		<u>Specimen Collection / Imaging Date</u>	<u>Specimen Type / Description</u>	<u>Result Name</u>	<u>Interpreted Result; Result</u>	<u>Flag</u>	<u>Accession No.</u>	<u>Etiologic Agent</u>	<u>Epi Markers</u>	<u>PH Received Date</u>	<u>Result Status</u>
<input type="checkbox"/>	⊖	1900 Jan 1	Stool / -	Campylobacter jejuni/coli NAAT	Detected;		85758	Campylobacter species / Campylobacter jejuni	-	2022 May 18	Final

Specimen Collection Time:		Specimen Site:	
Requisition ID / Date:	651 / 1900 Jan 1	Ordering Provider:	Dr. Doolittle
Test Name:	PCR Enteric OVRL	PH Received Date:	2022 May 18
Lab Report ID / Date:	653 / -	Resulting Lab:	Cadham Provincial Lab
Result Date:	2022 May 18	Range Type / Description:	
Reference Range:			
Result Description:			
Etiologic Agent Sensitivities:			

Salmonella disease

1. Salmonella disease – improved application performance with classification updates, microorganism droplists

Disease Summary

[Add New Disease](#)

Disease Event 1554 - Salmonellosis [Hide](#)

PHAC Date / Date Type: Disease Origin:
2022 May 24 / Specimen Collection

Row Actions: [Add](#)

Disease	Etiologic Agent	Epi Markers	Lab Result	Authority / Classification Classif. Date (✓ Primary Classification, Δ Set by Case Def)	Site(s)	Staging	Staging Date
Salmonellosis	Salmonella / Salmonella enterica	-		<input checked="" type="checkbox"/> Provincial / Case - Person Under Investigation 2022 May 31	-	-	-

Transmission Event Unknown Contacts

- Disposition Details text field has been expanded from 2000 to 4000 characters

Unknown/Anonymous Contacts Hide Unknown/Anonymous Contacts

* Required field (for Add/Update only)

* Name / Description:

Contact Info:

Contact Details:

* Disposition:

Disposition Details:

This field now has a 4000 character limit

(3959 characters remaining)

Workgroups

'Inactive' Users no longer display within Add User/Workgroups; must select checkbox to 'Include Inactive users'

View/Update Workgroup

* Required field

Submit Copy Reset

* Workgroup : CD-Interlake-Eastern Health

* Workgroup Type: Outbreak Team Work Team Report Group Document Management Group Notification Group

Add Users/Workgroups ✓ Contains Data ⤴ Hide Add Users/W

* User/Workgroup Category: System Users ▼

Users:
Workgroup members for this Workgroup may be selected from the "Candidate Users" list box.
To select workgroup members from a different Organizational Unit, click the Search Users button.

Candidate Users: Include Inactive Users

Desrosiers, Robert / rdesrosiers / Interlake-Eastern Health
Hawryluk, Melody / mhawryluk / Interlake-Eastern Health
Onyelonu, Ikechukwu / ionyelonu / [more...]
Selvanathan, Anurag / aselvanathan / [more...]

Assign >
< Remove

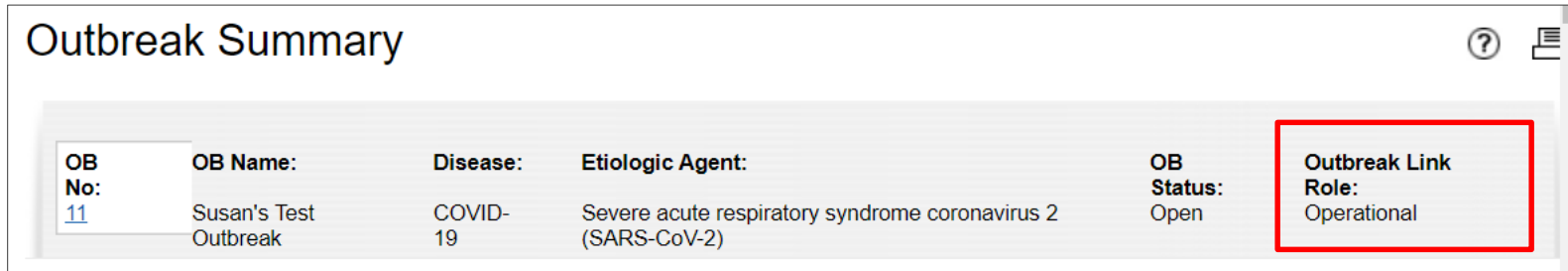
Workgroup Members:

Search Users Add to Membership Table

Outbreak Module Updates

Outbreak Link Role

1. Link role is now displayed on Outbreak Header



Outbreak Summary

OB No: 11	OB Name: Susan's Test Outbreak	Disease: COVID-19	Etiologic Agent: Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	OB Status: Open	Outbreak Link Role: Operational
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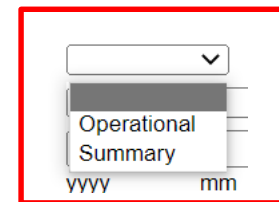
2. Link role names have changed

- Child → Operational
- Parent → Summary

* Outbreak Link Role:

* Outbreak Type:

Outbreak Onset Date:



Operational
Summary

yyyy mm

3. The application no longer defaults to Child / Operational when creating an Outbreak

Outbreak Hierarchy

1. New grouping levels (hierarchy) were added to create the ability to link related outbreaks

Link Outbreaks

Linked Outbreaks

Outbreak in Context

Encounter Group: Outbreak Response Classification Authority: Provincial

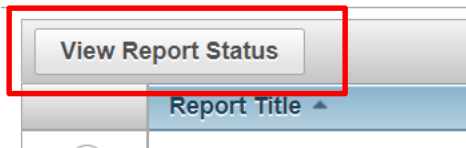
Epi Markers: -

- ▼ [Testing Christine Parents](#) (ID: 25 - Summary) (Investigator: [Desrosiers, Robert](#))
 - [Susan's Test Outbreak](#) (ID: 11 - Operational) (Investigator: [Rand, Susan](#))
 - [Test Outbreak for OP9](#) (ID: 27 - Operational) (Investigator: [Hawryluk, Melody](#))

Report Status

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

Manitoba Reports



Report Status

Report: MB22000-Contact Tracing

Scheduled Reports

Update		View Report Output		
Report Date/Time ▾	Run Schedule Title ⇅	Run Status ⇅	Format of Report ⇅	
<input checked="" type="radio"/> 2022 May 19 15:06 CDT	MB22000-Contact Tracing	complete	EXCEL	