Manitoba Public Health Information Management System

Report User Guide

MB7930

Medication Integration Report

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Document Author:	Manitoba PHIMS – Clinical Informatics

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Definitions for Report User Guides:

a. "Authorized Organization" means an organization (an RHA, a First Nation, or other organization) with whom Manitoba has entered into an agreement in order to facilitate access to PHIMS.
b. "Authorized User" means an employee, agent or contractor of an Authorized Organization (the employer) permitted to access to PHIMS.
c. "Service Delivery Location" (SDL) means a public health office or a Community Health Centre.
d. "User Role" means the specific role or roles to which an Authorized User is assigned and which prescribes what information the Authorized User is permitted to access, use and disclose.

Data Type		Explanation
Aggregate, no identifiable data	=	Summary data with no client identifiers
Aggregate, no identifiable data, but possible small population sensitivity or Provider / Org Sensitivity	=	Summary data with no client identifiers However there are sensitivities in the data where small numbers could identify clients, communities or providers
Line Level, Single client identifiable data	=	Includes client identifiers of an individual client
Line level, Multi client identifiable data	=	Includes client identifiers of a list of multiple clients

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1. Background

1.1. Data Access Scope for Investigations in PHIMS

Access to individual client case investigations within the investigation module in PHIMS is based on permissions for specific encounter groups (Sexually Transmitted and Blood-borne Infections, Communicable Diseases, and Tuberculosis).

In Manitoba, Authorized Users ("users") of the investigations module have access to all investigations in encounter groups assigned to the logged in user for all PHIMS clients. This was decided as a result of a number of considerations, including:

- Clients can receive services at service delivery locations other than their default public health office, either within or outside their home health region,
- Cases and outbreaks of vaccine preventable diseases also cross regional boundaries and may involve multiple public health provider organizations,
- It is important to be aware of all concurrent or previous investigations for a client within an encounter group, regardless of which organization is responsible for the investigation.

However, for some reports with access to line-level client data, users may only run reports for investigations associated with their organization.

1.2. Privacy/Data Sensitivity

This report is set at the Manitoba level. This means that users who have access to this report can "view" data from all regions in Manitoba. The report includes data at the level of the region. Information includes PHIMS Client ID, Investigation ID, Disease, Drug Name/Dose/Route/Frequency/Duration, Treatment Effective Date, Prescriber, whether or not sent to eChart, and whether removed from eChart.

1.3. Permitted Disclosures

- The report could be shared with the public health practitioner working on eChart integration reconciliation. Other information contained in the report is not to be disclosed.

Note re Permitted Disclosures - In general, Reports in PHIMS have been designed for internal use for day to day public health and health service delivery, limited to Authorized Users of Authorized Organizations. Authorized Users may only disclose information from the report that relates to their Designated Health Region. For First Nation Authorized Organizations - sites that have entered into a Bridging Service ISA, an Authorized User (of the Bridging Organization) generating the reports may provide Reports to a First Nation Authorized User.

1.4. Data Stewardship

Users who have access to this report require background in report generation and are responsible for the following:

- Users only run this report on a need to know basis
- The data produced are to be validated and interpreted prior to disseminating any information produced from the report. The output requires contextual interpretation based on the filters used and timing of when the report was generated.

- The data are intended to be used by public health practitioners for eChart medication record monitoring and remediation.
- Users ensure that all data are managed securely and appropriately according to organizational guidelines

Users who have access to this report will be subject to PHIMS audits documenting which user generated the report and on what date.

2. Purpose

The **Medication Integration Report** will be used to identify which medications recorded within investigations were included, excluded, and updated in eChart. It will be used to monitor the interface to eChart, as well as, troubleshooting integration issues. The report includes all medications entered into PHIMS (based on realtime data), as well as, eChart integration details when applicable (Note: eChart messages sent at 0630 daily, so may be a gap between medication entry and being sent to eChart for same day entries)

The **Medication Integration Report** provides information at the Line Level (i.e., client-specific level), and includes:

- Information regarding medications data entries only
- Client ID
- Medication Name
- Medication dose, route frequency and duration
- Date treatment effective from
- Name and ID (where applicable) of prescriber
- Medication/Treatment course completed information
- Whether sent to eChart
- Nature of message (where relevant) (e.g., added to eChart, removed from eChart)
- Date created and Date message sent to eChart

2.1. Population Included in the Report

The populations included in this report are:

- All clients who have a PHIMS Record that have a medication recorded within their record.

2.2. Recommended uses for this report

The **Medication Integration Report** may be produced:

- At defined periods (based on operation requirements) to monitor presence and remediate medication records to support accurate integration with eChart.
- On ad hoc request from stakeholders as part of ongoing Data Quality Assurance processes.

3. Selecting the Report Parameters

When running a report you must select specific parameters. Some parameters are required and some are optional.

Selecting the Correct Parameters to Generate the Required Output

You can generate this report from the "**Reports"** section in PHIMS.

This is an integration report under **Integration**

- Click **Reporting & Analysis > Reporting** (LHN) or the **Reporting** tile on the dash board.
- Open the Integration Report Folder by expanding the collapsible panel.
- Select **MB7930 – Medication Integration**
- Select the **Tx Created From/To AND/OR Tx Effective From/To AND/OR Integration From/To.** You must select a date range in either Tx Created, Tx Effective or Integration values or you will generate a Report Parameter Error in the report.
- Select Yes/No from the dropdown in the **Sent to eChart** (Optional) dropdown. This allows you to filter your results to medications sent or not sent to eChart. Not choosing a value from the dropdown will generate all results within the date range specified.
- Click **Generate Report Now**

Parameter Definitions

*Must have Date Range between Tx Created From/To or Tx Effective From/To or between Integration From/To

Parameter Name	Data Type	Description	Validation
Tx Created From	Calendar or Numeric	Earliest Date Tx Created	Required*
Tx Created To	Calendar or Numeric	Latest Date Tx Created	Required*
Tx Effective From	Calendar or Numeric	Earliest Date Tx Effective From	Required*
Tx Effective To	Calendar or Numeric	Latest Date Tx Effective To	Required*
Integration From	Calendar or Numeric	Earliest Date of Integration with eChart	Required*
Integration To	Calendar or Numeric	Latest Date of Integration with eChart	Required*
Sent to eChart	Multi List select	Blank/Yes/No drop list to filter whether the medication was sent via the interface. Default value: Blank (all results)	Optional

4. Report is Assigned to the following User Roles:

- CD EPI ANALYST
- CD MEDICAL OFFICER OF HEALTH

5. Report Description

Report Output: The report will be generated as a Formatted MS Excel Spread sheet

Data Source: PHIMS database, real time data (though eChart messages sent at 0630 daily)

Report Data fields (next page):

Field Name	Description
Report Title	MB7930 – Medication Integration
Static Text	This report includes all medications entered into PHIMS as well as eChart integration details when applicable. It can be used to monitor the interface to determine what medications are being sent to eChart as well as troubleshooting integration issues. Either the TX Effective Date range or the Integration Date range must be entered to run the report. If the integration information eg. Sent to eChart column) is blank, the prescription may have been entered before the interface went live or it may be the result of a client merge which can break the link between PHIMS and the integration record.
Date Generated:	The date (and time) the report was generated YYYY-MMM-DD
Report Parameters	
Tx Created Date	Date range as specified in the report parameters. If no dates entered, 'No Filter' will display.
Tx Effective Date	Date range as specified in the report parameters. If no dates entered, 'No Filter' will display.
Integration Date	Date range as specified in the report parameters. If no dates entered, 'No Filter' will display.
Sent to eChart	Filter (Yes/No) specified in the report parameters. If not entered 'No Filter' will display
Details	
Prescription ID	PHIMS generated unique identifier for medication entry
Client ID	PHIMS generated unique identifier for client
Has HCN	Whether client has Health Card Number
HCN Province	Province of Health Card Number
Investigation ID	PHIMS generated unique identifier for investigation
Reported Date	Date the medication was entered into the database
Encounter Group	Encounter Group investigation is categorized under
Disease	Disease investigation is categorized under
Investigation Org	Primary responsible organization investigation is assigned to
Drug Name	Name of drug prescribed
DIN	Drug identification number used by eChart for mapping purposes
Dose	Dose of drug prescribed
Dose Unit	Unit of measure of dose (e.g., mg, ml)
Route	Route of administration of drug (e.g., oral, intramuscular)
Frequency	Frequency of drug administration (e.g., once daily, three times daily)
Duration	Length of time drug to be taken (e.g., 7 days, 10 days)
Tx Effective Date	Date medication administration to start; used as start date in eChart
Prescribed By	Name of provider prescribing/dispensing drug
Provider ID	PHIMS generated unique identifier for prescriber
Latest Course Completed	Most recent value entered in Course Completed field. Used to trigger inclusion/exclusion entries for eChart interface
Sent to eChart	Whether sent to eChart or not
Transaction Type	Aligned with 'Sent to eChart', specifies whether medication added to or deleted (cancelled) from eChart
Created on Date	The date (and time) the medication record was created DD-MMM-YYYY
Integration Date	The date (and time) sent to eChart DD-MMM-YYYY

6. Report Data Mapping

Records are filtered by:

1. Prescription Tx Created Date within the Tx Created date range
2. Prescription Tx Effective date within the Tx Effective date range
3. Prescription Processed date within the Integration date range
4. Stage Prescription Processed = [Sent to eChart] parameter

In the event that no data are retrieved, a blank report is generated and returned to the user.