



Inherited Coagulopathy and Hemoglobinopathy INFORMATION PORTAL




Provincial Health Services Authority
BC Provincial Blood Coordinating Office
A program of the Provincial Health Services Authority



Who our patients are

- Two patient populations
 - Patients born with an impaired ability to clot resulting in prolonged bleeding (Coagulopathy)
 - Rough estimate of 400 patients in BC program
 - Receive blood products in the hospital and home settings
 - Blood product utilization - roughly \$30 million (FY 2012/13)
 - Patients born with altered red blood cell structures which affect transfer of oxygen to the body (Hemoglobinopathy)
 - Rough estimate of 330 patients in BC program
 - Frequent blood transfusions result in build-up of iron in the blood that can be removed with medications


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Who we are

- British Columbia Provincial Blood Coordinating Office (BC PBCO) www.pbco.ca
 - Program of the Provincial Health Services Authority (PHSA)
 - Manages the Central Transfusion Registry (CTR) which contains almost 5 million records on recipients of blood and blood products in BC and Yukon
- BC Inherited Bleeding and Red Cell Disorders Services (IBRCD)
 - Adult Program at St Paul's Hospital
 - Pediatric Program at BC Children's Hospital


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iCHIP Modules

- Clinical Module
 - Used by the clinical staff in the hospital setting for managing patient care
- Patient Home Module (PHM)
 - Used by patients in the home setting to submit product usage and self manage their care

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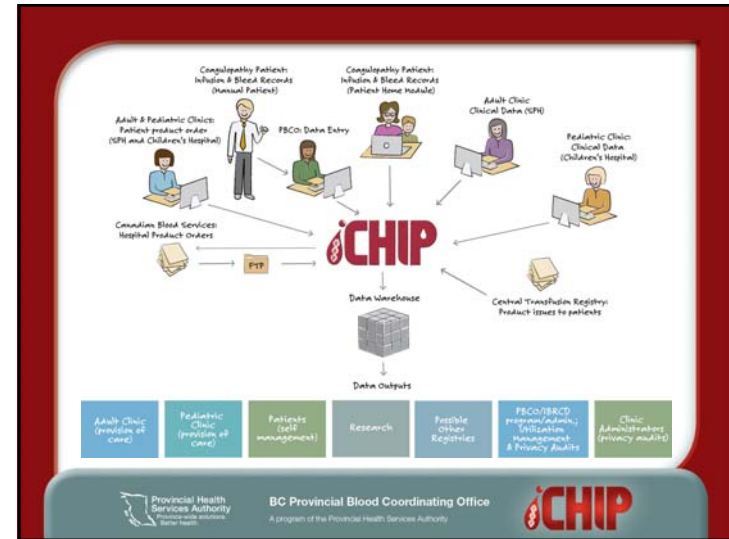


Features – Clinical Module

- Longitudinal EMR
- Customizable forms
- Multi-disciplinary charting
- Supporting documentation uploading
- Clinicians can only view their own patients
- Ability to view data in different ways
- Embedded feedback system
- Real-time data link with PHM
- Incorporated reports



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Features – Patient Home Module

- Intuitive & Self-Explanatory
- Allows for one user to access multiple patient accounts
- Minimal steps to submit records
- Automatic inventory adjustment
- Alerts and Notifications
- Patient reports



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Quality improvement: How iCHIP is helping...

Healthcare Team	Patients	PBCO/MOH
Support the work done with patients •Reduce/eliminate duplicate data entry into disconnected systems •Easy data extraction •Patient life-time record	Allow for easy and timely submission of Blood products taken at home Capture additional clinical information	Baseline picture provided for: •Blood/blood product utilization •Actual number of patients •Product discards •Locale of Infusion
Longitudinal information needed for treatment	Improved communication with health care team	•Support improvement to patient quality of life •Better use of a scarce resources
Meaningful reports	Patient empowerment	Access to IBRCD program
Ensure the privacy of the data and patient information		



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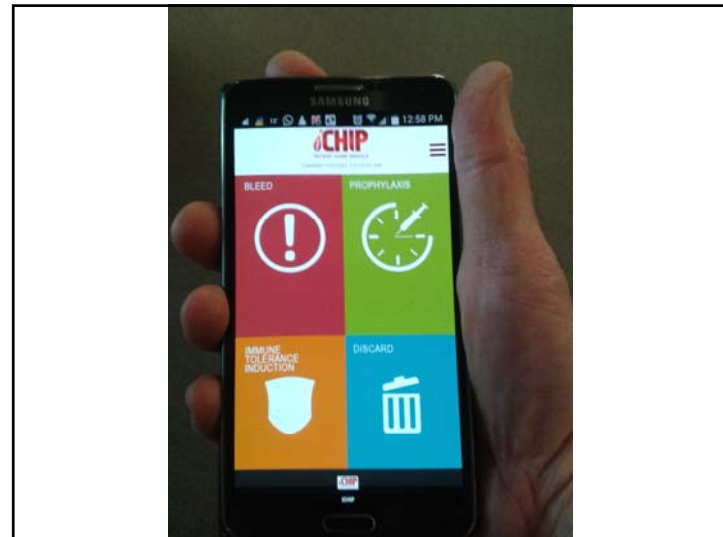
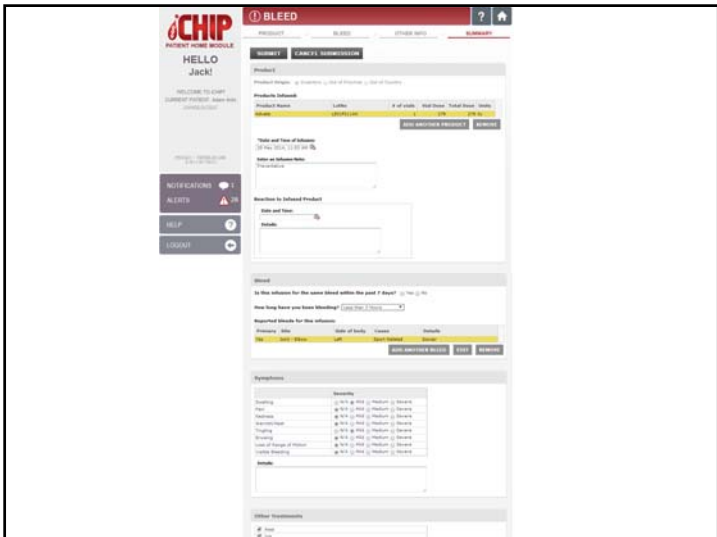
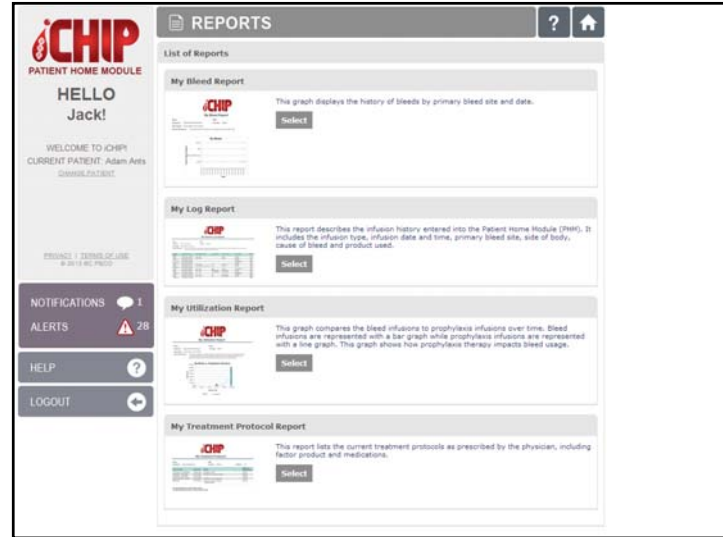
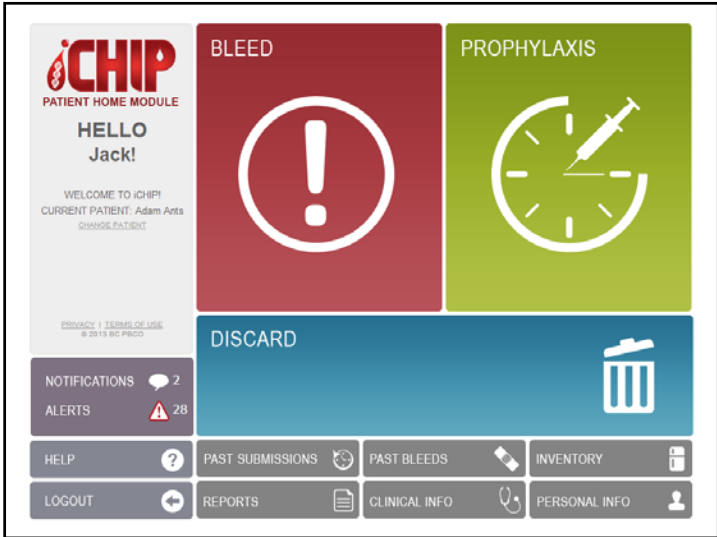


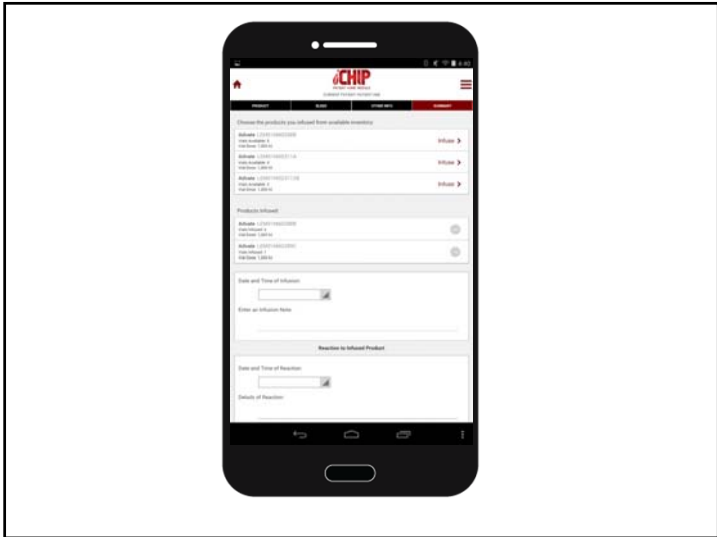
The screenshot shows the iCHIP Clinical Module interface for a patient named Markin, Wade. The page is divided into several sections: Profile, Summary, Activity Treatment Protocols, Medication, and Charting. The Profile section includes patient demographics and contact information. The Summary section provides a high-level overview of the patient's health. The Activity Treatment Protocols section lists various medical activities with columns for Type, Total, Frequency, Provider, and Start Date. The Medication section displays a list of medications with columns for Medication, Dose, Start Date, and Frequency. The Charting section shows a timeline of clinical data points.

The screenshot displays the iCHIP Patient Home Module interface. At the top, there is a navigation bar with options like Home Submissions, Past Submissions, Summary, Profile, and Contacts. The main content area prompts the user to "Please choose a submission type:" and provides three buttons: "New Submission", "View Submission", and "Cancel Submission". The interface is clean and user-friendly, designed for patient self-management.

This screenshot shows the "Encounters" section of the iCHIP Clinical Module for Markin, Wade. It features a table of encounter records with columns for Encounter Type, Date, and Status. Below the table, there are sections for "Encounter Details", "Encounter Attendees", and "Encounter Recipients". The "Encounter Attendees" section lists individuals involved in the encounter, including their names and roles. The "Encounter Recipients" section shows who received the encounter information. The interface is detailed and provides comprehensive data for each medical encounter.

The screenshot shows the iCHIP Patient Home Module dashboard. It features a central "HELLO Jack!" greeting and a "WELCOME TO iCHIP! CURRENT PATIENT: Adam Ants CHANGE PATIENT" message. The dashboard is organized into several colored tiles: a red tile for "BLEED" with an exclamation mark icon, a green tile for "PROPHYLAXIS" with a clock and syringe icon, an orange tile for "IMMUNE TOLERANCE INDUCTION" with a shield icon, and a blue tile for "DISCARD" with a trash can icon. At the bottom, there is a navigation bar with icons for Notifications (1), Alerts (28), Help, Past Submissions, Past Bleeds, Inventory, Logout, Reports, Clinical Info, and Personal Info.

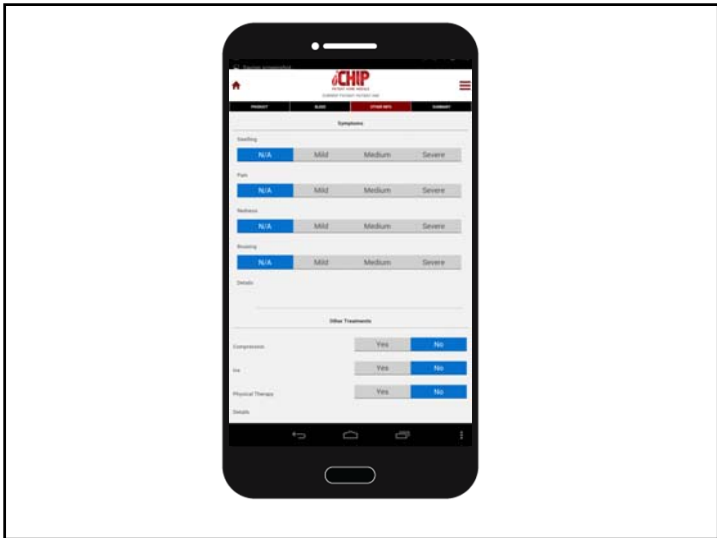




iCHIP – the Future

- On-going support
- Version 2 for release June 2014
- Patient Home Module Mobile Application release Fall 2014
- PHM for Hemoglobinopathy patient population
- Expandable to other chronic disease patient populations that administer products at home
- Linking with BC Provincial Lab Information System - EHR

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Questions?

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