

BLEEDING DISORDER HOME INFUSION PROGRAM

Intended for Transfusion
Medicine Services that dispense
home care products for the
bleeding disorder community

ONTARIO

2026

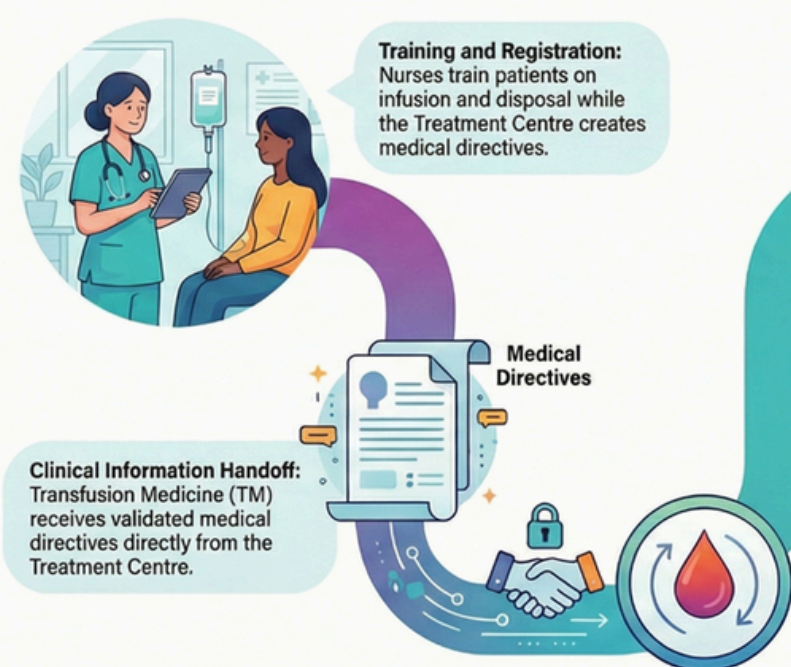
This document was developed by Ontario's Hemophilia Provincial Coordinator. It is intended to support awareness within Transfusion Medicine Services of the home infusion program model for patients with bleeding disorders and to provide context on current practices across the province.

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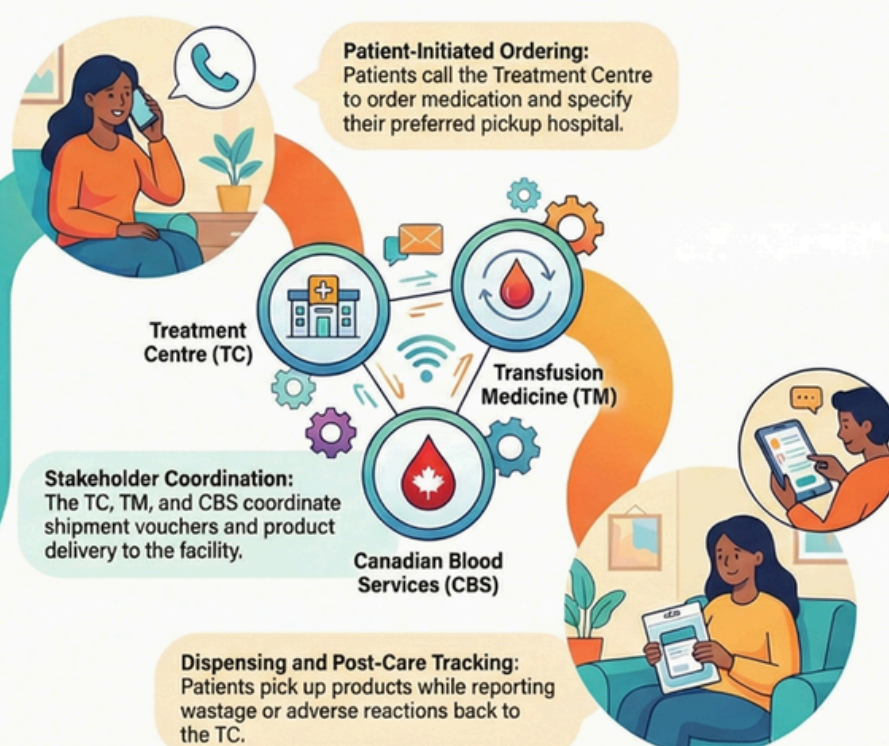
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Bleeding Disorder Home Infusion Program (HIP): The Path to Patient Care

Phase 1: Clinical Readiness & Enrollment



Phase 2: Order Fulfillment & Logistics



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If you have questions or need guidance, you can contact Sarah Crymble, Hemophilia Provincial Coordinator, at sarah.crymble@unityhealth.to. She can answer your questions directly or help connect you with the appropriate Treatment Centre. You may also reach out to your closest Treatment Centre for clinical support at any time.

Purpose

This document provides an overview of home infusion programs offered through Ontario's Hemophilia and Bleeding Disorder Treatment Centres. It outlines the expectations, training standards, and safety requirements for supporting patients who administer plasma protein and related products at home. The goal is to ensure safe, consistent, and equitable care across the province.

Scope

This document applies to patients receiving:

- Prophylactic or on-demand factor concentrate therapy
- Standard half-life and extended half-life products
- Plasma-derived products
- Non-factor replacement treatments (e.g., emicizumab)
- Other provincially approved therapies for inherited bleeding disorders

Principles

- Patients should have reliable access to home infusion support regardless of where they live in Ontario.
- Home infusion is provided through designated Hemophilia and Bleeding Disorder Treatment Centres with structured procedures, standardized education, and clear documentation requirements.
- Treatment must follow current clinical evidence, safety standards, and product monographs.
- Patients who meet program criteria should have equitable access and choice of a variety of products provided through the Canadian Blood Service.

Eligibility Criteria

Patients may qualify for home infusion when they:

- Have a confirmed diagnosis requiring factor replacement or related therapy.
- Can safely perform infusions, or have a trained caregiver who can do so.
- Demonstrate the ability to follow instructions, maintain treatment logs, and manage supplies responsibly.
- Agree to submit accurate treatment records.
- Have a home environment that supports safe infusion practices, including access to emergency assistance.

Training Requirements

Training is provided by nurses experienced in bleeding disorders care and the home infusion program.

Education includes:

- Ordering processes
- Product reconstitution and infusion technique
- Safe handling, transport, and storage
- Infection control and sharps safety
- Recognizing and responding to bleeds
- Identifying treatment-related adverse reactions
- Record-keeping

Patients must demonstrate competency before independent home administration begins.

A sample “Home Care Certification Checklist: Venipuncture and Factor Infusion” is provided in Appendix A.

Treatment Planning & Dosing

- Dosing follows guidelines established by the patient’s Treatment Centre.
- Individual plans consider diagnosis, weight, age, activity level, and clinical goals.
- Prophylaxis scheduling takes school, work, and physical activity into account.
- Any significant change in weight or health may require dose adjustment.

Product Pick-Up, Storage, & Transport

- Patients typically receive up to a three-month supply per order, depending on product, stability, and Treatment Centre policy.
- Identification is required for all product pick-ups, whether by the patient or an approved designate.
- Storage instructions are reviewed with each patient and must follow the product monograph (refrigerated or room temperature).
- Treatment Centre staff are responsible for educating patients about storage, transport, and travel considerations.

Follow-Up Requirements

Skills assessments occur:

- Every six months for pediatric patients
- Annually for adult patients

Treatment Centre staff provide ongoing phone support as needed. Patient logs are reviewed regularly to monitor product use, adherence, bleed patterns, and clinical response.

Documentation

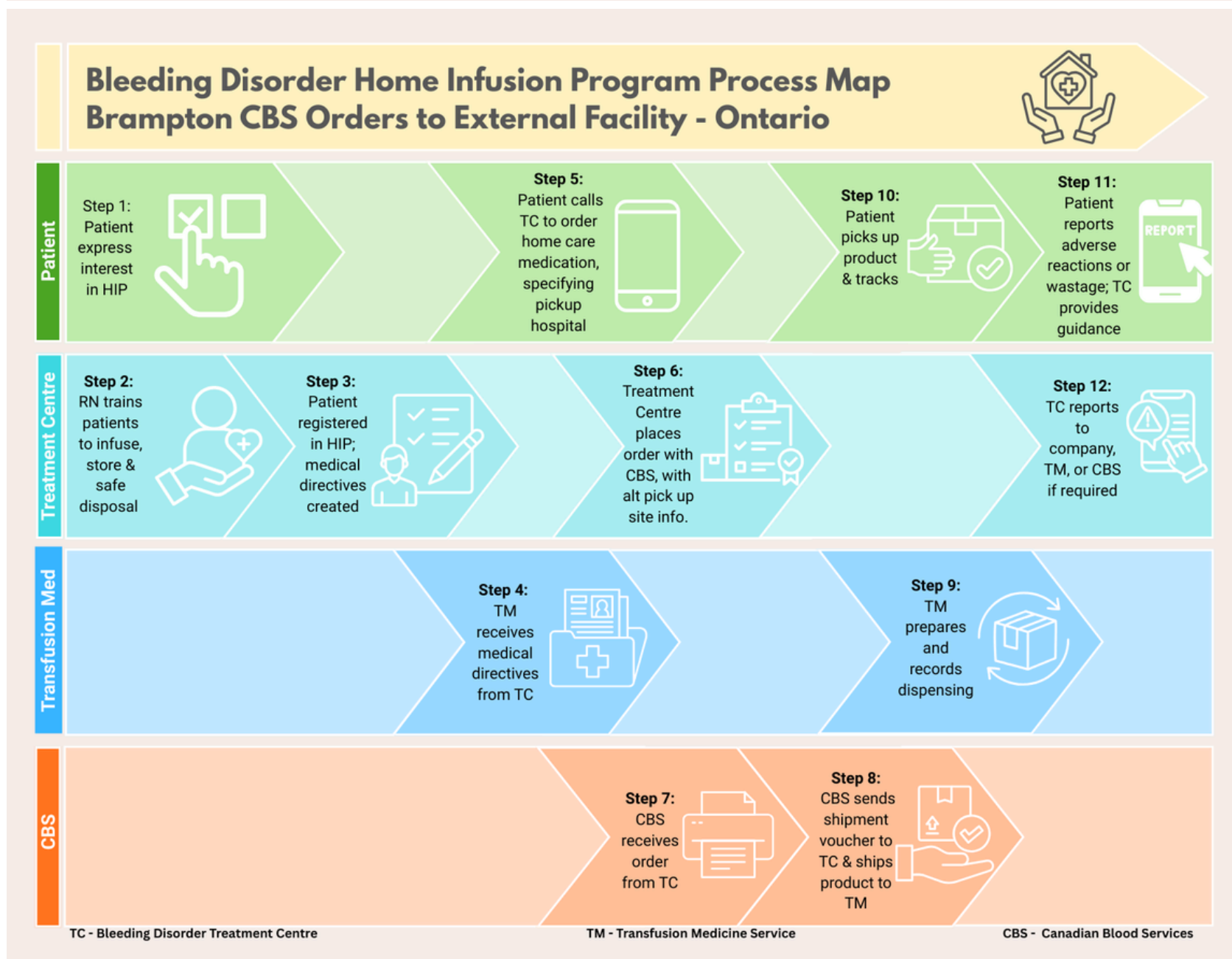
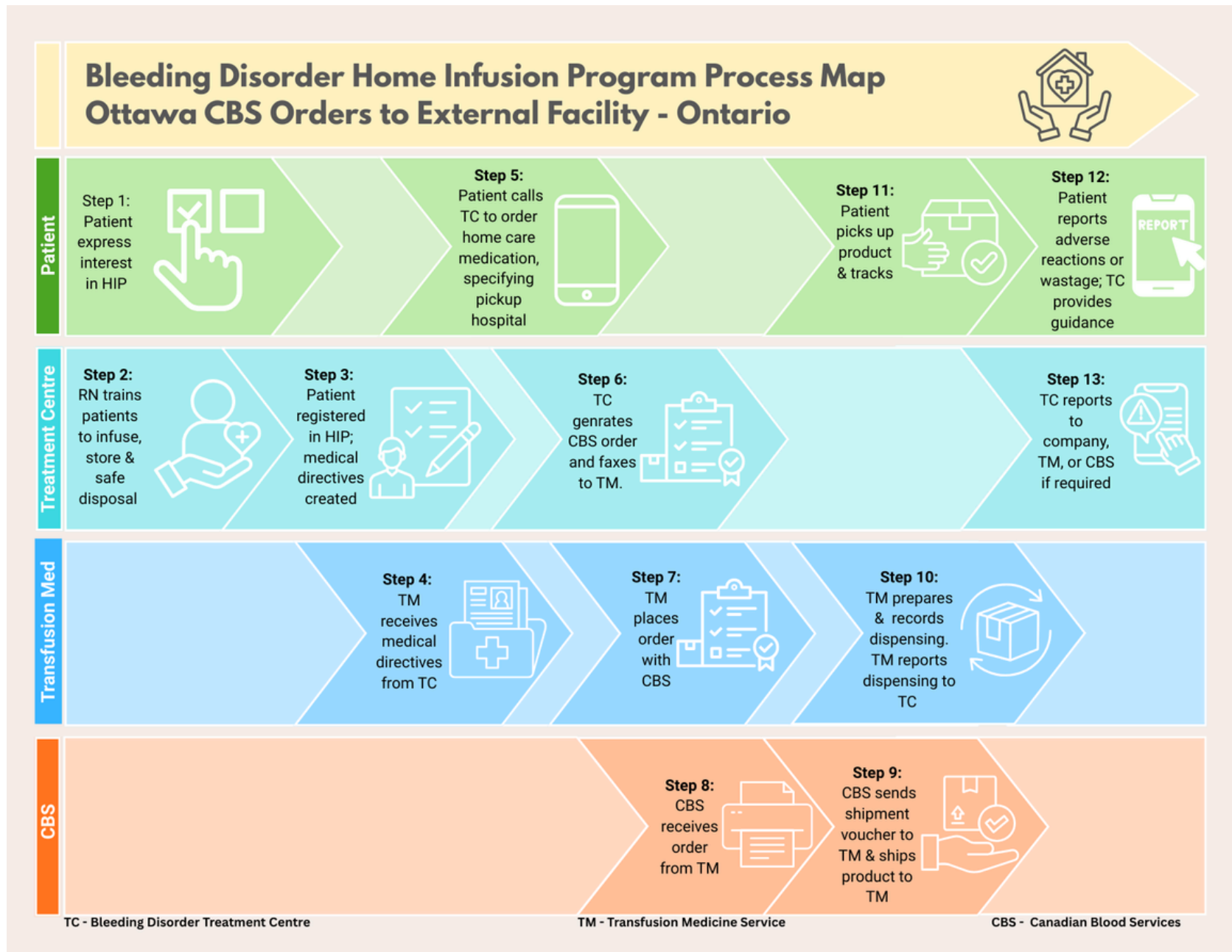
Patients are required to maintain detailed logs that include:

- Product name and lot number
- Dose, date, and time of infusion
- Infusion site
- Reason for infusion (prophylaxis, bleed details)
- Adverse reactions or concerns

Quality & Safety Monitoring

- Treatment Centres monitor adherence, adverse events, and product distribution.
- Any concerns are addressed through education, follow-up, or adjustments to the treatment plan.
- Patient consent is obtained and documented by the Treatment Centre. Any questions regarding consent for treatment should be directed to the patient's Treatment Centre.

Ordering Flow



APPENDIX A: Sample Home Care Certification Checklist

Home Care Certification Checklist: Venipuncture and Factor Infusion

Steps for Successful Procedure Completion:		Comments:
Gathered equipment. Washed hands.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Factor was checked for dose, type, and expiry date.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Reconstituted factor concentrate using a clean technique.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Drew factor concentrate into syringe. Removed all air bubbles and primed the butterfly needle and line.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Selected venipuncture site. Applied tourniquet.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Cleaned the site in a circular motion from the intended point of insertion to the periphery. Let air dry completely.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Anchored vein and inserted needle.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Established blood flow and released the tourniquet.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Infused the factor concentrate at a constant rate over approximately 3-5 minutes. Checked for blood return half way through infusion.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Removed needle and activate the safety device on needle. Needle placed in the sharps container.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Applied pressure with gauze for 3-5 minutes.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Discarded all sharps into the sharps container.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Washed hands.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Patient/Parent is able to discuss a reaction to factor – how to identify and steps to take action.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Patient/Parent able to discuss factor ordering processes and storage of factor.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Parent/patient able to discuss identification, assessment, and proper treatment of bleeds.	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Taught By:

Date:

APPENDIX B: Ontario Hemophilia & Bleeding Disorder Clinics

The Hospital for Sick Children (SickKids) – Toronto

Phone: 416-813-5871

St. Michael's Hospital – Toronto

Phone: 416-864-5129

Hamilton Health Sciences – Hamilton

Phone: 905-521-2100 ext. 75978

London Health Sciences Centre (LHSC) – London

Phone: 519-685-8500 ext. 53582

Kingston Health Sciences Centre (KHSC)

Phone: 613-549-6666 ext. 6999

Children's Hospital of Eastern Ontario (CHEO) – Ottawa

Phone: 613-737-7600 ext. 2368

The Ottawa Hospital (TOH) – General Campus

Phone: 613-737-8252

Thunder Bay Regional Health Sciences Centre (TBRHSC)

Phone: 807-684-7200 (Adult)

Phone: 807-684-6995 (Pediatrics)

Health Sciences North – Sudbury

Phone: 705-523-7148