

DATE:	20 March 2023
TO:	Edmonton Zone – All Clinical Staff North Zone – All Clinical Staff
FROM:	Transfusion and Transplantation Program
RE:	Provincial Transfusion Service Identification Number (TSIN) System Implementation

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message

- A new provincial Transfusion Service Identification Number system (TSIN form and bands) is being implemented across the province in a staggered approach.
- Edmonton Zone and the following North Zone Meditech sites will go live on May 6, 2023.

North Zone West		North Zone East	North Zone Central	
Barrhead	Mayerthorpe	Bonnyville	Athabasca	Smoky Lake
Edson	Swan Hills	Cold Lake	Boyle	Wabasca
Hinton	Whitecourt	Elk Point	Lac La Biche	Westlock
Jasper		St. Paul	Slave Lake	

How this will impact you

- Type and screen collection documentation and TSIN band to switch to the provincial system once live.
- Patients with in-date type and screen testing who are wearing a legacy TSIN (also known as, BBIN – Blood Bank Identification Number) band **do not** need a new type and screen collected with the new TSIN system until their existing type and screen testing is expired.

Action Required

- All clinical staff involved in Type and Screen specimen collections to be familiar with provincial TSIN system (see Resources below).
- Continue to follow all aspects of Type and Screen collection per the [Transfusion of Blood Components and Blood Products provincial policy and procedure](#) (PS-59).
- All clinical areas that collect Type and Screen specimens to order sufficient stock of TSIN forms and bands. Ordering details below:

Item	Number	Description	Supplier
Form	21505	Transfusion Service Identification Number (pack of 100 forms)	DATA Communications Management
Band (Adult/larger pediatric patient)	213925	TSIN band (box of 500 bands)	Oracle iProcurement
Band (Neonate/smaller pediatric patient)	366211	Band patient ID infant vinyl (2.25 x .375 in) (box of 250 bands)	Oracle iProcurement



Effective May 6, 2023

Background

- The most common root cause of acute hemolytic transfusion reactions is a clerical error or other error in patient identification.
- A TSIN system ensures unequivocal identification of patients and their crossmatched blood from “vein-to-vein.” This means it ensures a traceable connection from the patient’s pre-transfusion type and screen specimen through testing in the transfusion medicine lab and through the transfusion of compatible red blood cells.
- The new provincial TSIN system allows for standardization across the province, supports bedside and laboratory Connect Care workflows, and will eventually support the ability to provide transfusion service across zone boundaries when Connect Care is live in all areas.
- Other points of emphasis:
 - Rover PPID (Positive Patient Identification): a system whereby the Rover + label printer is available at the bedside for Type and Screen collections. A central label printer on the patient care unit is not applicable for this purpose.
 - Truncated names on Epic Type and Screen labels do not need to be fully completed when Epic is fully live. In downtime or at Meditech sites, truncated names must be fully completed.
 - The TSIN barcode does not scan into the TSIN field of the Epic Blood Product Administration Module (BPAM). This is a characteristic of the Epic TSIN field being a non-scanning field rather than a characteristic of the TSIN barcode.
 - In Epic downtime, a [Transfusion Medicine Requisition](#) must accompany the TSIN form and specimen(s).

Questions/Concerns

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- Allahna Elahie, Transfusion Safety Officer, North Zone, allahna.elahie@aplabs.ca
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Approved by

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Resources

[Transfusion Medicine](#) website – [Specimen Collection & Testing](#) page

Provincial TSIN form

1. Apply specimen label to the TSIN form or complete manually
2. Collector and Witness identify the patient. Witness documents their ID on the TSIN form
3. Collector records their ID, collection date and time
4. Place specimen labels below TSIN barcode on each tube label
Apply tube label horizontally on each specimen tube
5. Record the collection date on the wristband
Apply wristband label to white wristband and seal

ALBERTA PRECISION LABORATORIES Leaders in Laboratory Medicine		Transfusion Service Identification Number 21505(Rev2021-11) See reverse for instructions.	
Collection Record		Transfusion Medicine Lab use only	
AAX4999		AAX4999	
Affix patient label within this box or document the information below LAST NAME _____ FIRST NAME _____ DOB(dd-Mon-yyyy) _____ pMRN/PHN _____		Specimen ID # _____	
Identified by (check one) <i>Must be different than collector</i>	<input type="checkbox"/> a) Witness (ID # or print name below) _____	ABORH: _____ <input type="checkbox"/> WellSky <input type="checkbox"/> NetCare	
	<input type="checkbox"/> b) Patient Self <input type="checkbox"/> c) Rover PPID _____	<input type="checkbox"/> Yes <input type="checkbox"/> No K Neg Instruction required?	
Collected by _____		<input type="checkbox"/> Yes <input type="checkbox"/> No Patient has another in-date specimen? Facility: _____	
Collect Date dd-Mon-yyyy	Time hh:mm	<input type="checkbox"/> Yes <input type="checkbox"/> No ABORH2 required?	
AAX4999		<input type="checkbox"/> Yes <input type="checkbox"/> No P-CABO comment required?	
Apply Specimen Label Here DO NOT cover the barcode		<input type="checkbox"/> Yes <input type="checkbox"/> No Antibodies present? If yes, list: _____	
LAST NAME _____		<input type="checkbox"/> Yes <input type="checkbox"/> No Pre-Surgery T&S to be extended?	
FIRST NAME _____		<input type="checkbox"/> Yes <input type="checkbox"/> No Recent RBC? <input type="checkbox"/> Non-group specific	
DOB(dd-Mon-yyyy) _____		<input type="checkbox"/> Yes <input type="checkbox"/> No Recent RhIG? Date: _____	
pMRN/PHN _____		Comments/Special Requirements:	
AAX4999		Completed by _____	
Apply Specimen Label Here DO NOT cover the barcode		AAX4999	
LAST NAME _____		AAX4999	
FIRST NAME _____		AAX4999	
DOB(dd-Mon-yyyy) _____		AAX4999	
pMRN/PHN _____		AAX4999	
AAX4999		Coll Date: dd-Mon-yyyy	

← Insert into / apply to band. Place band on patient.