

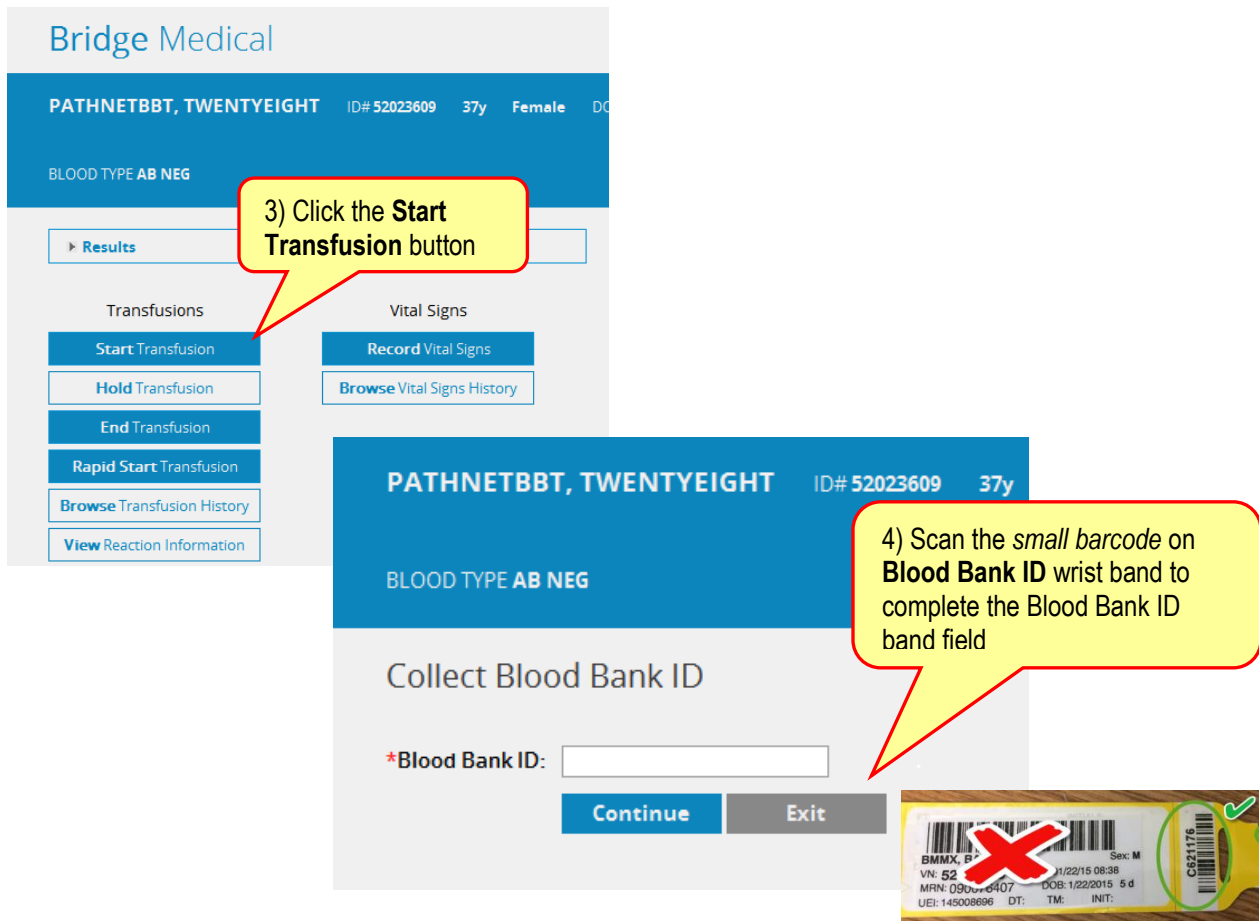
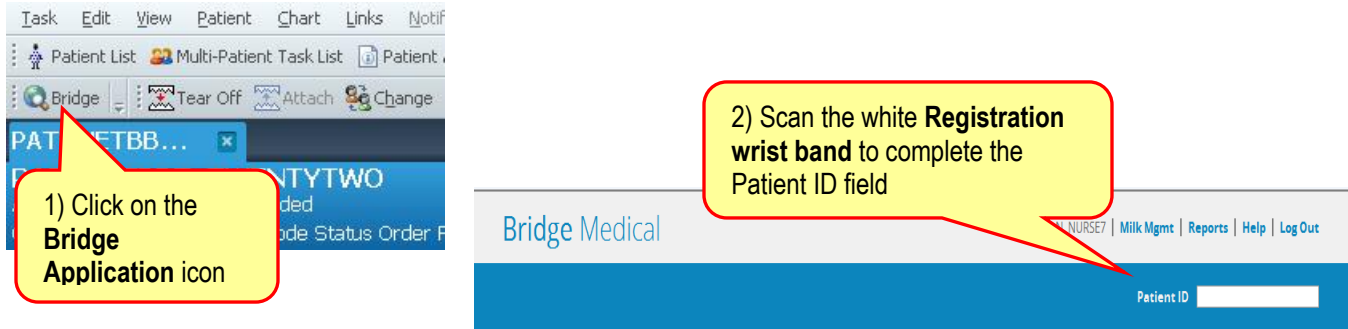
## Charting and Scanning Blood Transfusions in the Bridge Medical Application

This handout reviews how to scan and chart the following in the Bridge Medical Application:

- Accessing the Bridge Medical Application
- Starting the Transfusion
- Charting Vital Signs
- Holding a Transfusion
- Ending a Transfusion
- Post Transfusion Reaction

### Accessing the Bridge Medical Application

PowerChart, FirstNet or SurgiNet all have the Bridge icon on the toolbar. Depending upon the Cerner application, or if you have customized your toolbar, the Bridge icon may be in a different location that displayed here.



## Pre-Checks

▶ Results

Start Transfusion

1 Pre-Checks 2 Recipient 3 Donor 4 Cosign 5 Vitals 6 Checks 7 Start 8 Print

\* Physician order for blood transfusion

Patient consent signed

Emergent situation - no consent signed

Blood product warmed

Teach - report chills, backpain, itching

Teach - promptly report hives/chest pain

Teach - report pain at IV site

Patient is a neonate

\* Right side breath sounds

\* Left side breath sounds

**Continue** **Exit**

5) Select the appropriate **boxes and drop down options** next to the items on the list of Pre-Checks (items with asterisks (\*) are required)

6) Then click **continue**

## Recipient (paper) Tag

▶ Results

Start Transfusion

Pre-Checks 2 Recipient D

\*Scan AZTEC Barcode for MRN

\*Blood Bank ID:

\*Patient name:

\*Unit number:

\*Patient blood type:

Comments:

**Continue** **Exit**

7) Scan the **Aztec** bar code on the **Recipient Tag** to automatically complete these fields

8) Then click **continue**

Cerner

## Scanning the Blood Label



Scan in a **U** shape

Results

Start Transfusion

Pre-Checks Recipient Donor

\*Unit number:

\*Blood product:

\*Donor blood type:

Continue Exit

9) Scan the **first bar code (upper left)** on the **blood label** to automatically fill in the unit number field

10) Scan the **second bar code (lower left)** on the **blood label** to automatically fill in the Blood product, Donation type & Division fields

Results

Start Transfusion

\*Unit number: W201114127997

\*Blood product: RBC AS1 500 LR

\*Donation type:

\*Division: 00

\*Expiration date: 11/10/2014 23:59

\*Donor blood type:

Continue Exit

11) Scan the **third bar code (lower right)** on the **blood label** to automatically fill in the Expiration date

11) Scan the **third bar code (lower right)** on the **blood label** to automatically fill in the Expiration date

12) Scan the **fourth bar code (upper right)** on the **blood label** to automatically fill in the Donor blood type  
It will automatically advance to the next screen

Results

### Start Transfusion

Device ID: \_\_\_\_\_

Observation Date/Time: 10/24/2014 8:45 [Change](#) [Show Ranges](#)

\*Temperature:  °C

\*Site:

\*Heart Rate:  beats/minute

\*Blood Pressure:  /  mmHg  palp

\*Respirations:  breaths/minute

O<sub>2</sub> Saturation:  %

Comment:

[Continue](#) [Exit](#)

Recipient Donor Cosign **Vitals**

13) Complete the **Vital Signs** (items with asterisks (\*) are required)

14) Then click **Continue**

PATHNETBBT, TWENTYEIGHT ID# 52023609

### Start Transfusion

You may now start the transfusion.

[Start](#) [Exit](#)

15) Click **Start** to begin the transfusion

Bridge Medical

PATHNETBBT, TWENTYEIGHT ID# 52023609 37y Female DOB 1/19/1977

Results

Transfusions	Vital Signs
<a href="#">Start Transfusion</a>	<a href="#">Record Vital Signs</a>
Transfusion started 10/24/2014 08:48.	Record vitals 10/24/2014 09:03.
<a href="#">Hold Transfusion</a>	<a href="#">Browse Vital Signs History</a>
<a href="#">End Transfusion</a>	
<a href="#">Rapid Start Transfusion</a>	
<a href="#">Browse Transfusion History</a>	
<a href="#">View Reaction Information</a>	

The date and the time the transfusion was started is now displayed

The date and time that the next set of vitals needs to be documented will display here

## Charting 15 minute Vitals

The screenshot displays the Bridge Medical interface. At the top, the patient information is shown: PATHNETBBT, TWENTYEIGHT, ID# 52023609, 37y, Female, DOB 1/19/1977. Below this, there are two main sections: Transfusions and Vital Signs. The Vital Signs section contains a 'Record Vital Signs' button, which is highlighted by a callout box. A second callout box points to the 'Record Vital Signs' form, which includes fields for Device ID, Observation Date (10/24/14 09:06), Temperature (37.0 °C), Site (Temporal), Heart Rate (85 beats/minute), Blood Pressure (100 / 80 mmHg), Respirations (48 breaths/minute), and O2 Saturation. A 'Confirm' button is located at the bottom of the form. A third callout box points to the 'Confirm' button. A fourth callout box points to the input fields in the form, indicating that the Tab key can be used to move between them.

1) Click on **Record Vital Signs**

2) Record the appropriate **Vital Signs**

3) Then click **Confirm**

Use the **Tab key** to quickly move from field to field

## Charting a Hold

### Starting a Hold

Bridge Medical

PATHNETBBT, TWENTYEIGHT ID# 52023609 37y Female DOB 1/19/19

Results

Transfusions

Start Transfusion Record Vital Signs

Transfusion started 10/24/2014 08:48. Browse Vital Signs History

Hold Transfusion

End Transfusion

Rapid Start Transfusion

Browse Transfusion History

View Reaction Information

PATHNETBBT, TWENTYEIGHT ID# 52023609 37y Female DOB 1/19/1977 MR# 09-00-81-06-1 BLOOD TYPE AB NEG

### Hold Transfusion

\*Unit number: W201114127997

\*Blood product: RBC AS1 500 LR

Donation type: V

\*Division: 00

Continue

Active Transfusions

Started	Unit #	Blood Product	Blood Type
10/24/2014 08:48	W201114127997	RBC AS1 500 LR	O Rh Neg(Default)

1) Click **Hold Transfusion**

2) Select the appropriate **Unit #/Blood Product** radio button

3) Then click **Continue**

All active units being transfused will be listed on the screen

### Hold Transfusion

Start Transfusion Date and Time: 10/24/2014 08:48

\*Start Hold Date and Time:

\*Reason for Hold:

End Hold Date and Time:

Comments:

4) Click in the **Start Hold Date & Time** field to open the calendar

5) Click on the **current date** and the **current time** will automatically record

Today: October 24, 2014

## Hold Transfusion

Start Transfusion Date and Time: 10/24/2014 08:48

\*Start Hold Date and Time: 10/24/2014 13:48

\*Reason for Hold:

End Hold Date and Time:

Comments:

IV infiltrated  
Other -see comment

Continue

Exit

6) Select the appropriate **Reason for Hold** on the drop-down menu (if choose **Other – see comment**; type in the comments field as well)

7) Then click **Continue**

## Ending a Hold

PATHNETBBT, TWENTYEIGHT ID# 52023609 37y Female DOB 1/1

► Results

Transfusions

Start Transfusion

Hold Transfusion

End Transfusion

Rapid Start Transfusion

Browse Transfusion History

View Reaction Information

Vital Signs

Record Vital Signs

Browse Vital Signs History

Hold started 10/24/2014 13:48.

1) Click on **Hold Transfusion**

2) Select the appropriate **Unit #/Blood Product** radio button

## Hold Transfusion

\*Unit number: W201114127997

Blood product: RBC AS1 500 LR

Donation type: V

\*Division: 00

Continue

Exit

3) Then click **Continue**

## Active Transfusions

Started	Unit #	Blood Product
10/24/2014 08:48	W201114127997	RBC AS1 500 LR

## Hold Transfusion

Start Transfusion Date and Time: 10/24/2014 08:48

\*Start Hold Date and Time: 10/24/2014 13:48

\*Reason for Hold: Other -see comment

End Hold Date and Time:

Comments:

Calendar for October 14, 2014. The date 24 is highlighted.

Su	Mo	Tu	We	Th	Fr	Sa
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Today: October 24, 2014

4) Click in the **End Hold Date & Time** field to open the calendar

5) Click on the **current date** and the **current time** will automatically record

## Hold Transfusion

Start Transfusion Date and Time: 10/24/2014 08:48

\*Start Hold Date and Time: 10/24/2014 13:48

\*Reason for Hold: Other -see comment

End Hold Date and Time: 10/24/2014 13:56

Comments:

Continue

Exit

6) Then click **Continue**



## Ending a Transfusion

PATHNETBBT, TWENTYEIGHT ID# 52023609 37y Female

Results

Transfusions

- Start Transfusion
- Hold Transfusion
- End Transfusion
- Rapid Start Transfusion
- Browse Transfusion History
- View Reaction Information

Vital Signs

- Record Vital Signs
- Browse Vital Signs History

1) Click on End Transfusion

PATHNETBBT, TWENTYEIGHT ID# 52023609 37y Female DOB 1/19/1977

### End Transfusion

\*Unit number: W201114127997  
\*Blood product: RBC AS1 500 LR  
\*Donation type: V  
\*Division: 00

Continue Exit

Active Transfusions

Started	Unit #	Blood Product
10/24/2014 08:48	W201114127997	RBC AS1 500 LR

2) Select the appropriate Unit #/Blood Product radio button

3) Then click Continue

### End Transfusion

End Transfusion Date/Time: 10/24/2014 13:58 Change

\*Volume transfused: mL

\*Transfusion reactions? No

End Transfusion Comment: 40

Continue Exit

4) Enter the appropriate Volume Transfused

### End Transfusion

End Transfusion Date/Time: 10/24/2014 13:59 Change

\*Volume transfused: 350 mL

\*Transfusion reactions? No

End Transfusion Comment: 40

Yes No Continue Exit

5) Click the drop-down arrow and select Yes or No. If Yes is selected, it will automatically open the Reaction screen when you click 'Continue' (see Post Transfusion section of this handout pg.13)

6) If No, then click

End Transfusion

Device ID: \_\_\_\_\_

Observation Date/Time: 10/24/2014 14:00 [Change](#)

\*Temperature: 36.9 °C

\*Site: Temporal

\*Heart Rate: 85 beats/minute 60-150

\*Blood Pressure: 110 / 80 mmHg  palp 90/60 - 139/90

\*Respirations: 45 breaths/minute 10-50

O<sub>2</sub> Saturation: \_\_\_\_\_ %

Comment: \_\_\_\_\_

[Continue](#) [Exit](#)

7) Record the appropriate **Vital Signs** (items with asterisks (\*) are required to complete)

8) Then click **Continue**

Unit/Product Volume Reactions **Vitals** Checks Print

End Transfusion

\* Right side breath sounds \_\_\_\_\_

\* Left side breath sounds \_\_\_\_\_

[Continue](#) [Exit](#)

9) Select the appropriate **Patient breath sounds** from the drop-down menu

10) Then click **Continue**

Unit/Product Volume Reactions Vitals **Checks** Print

## Browsing Transfusion History

► Results

Transfusions

Vital Signs

Start Transfusion

Record Vital Signs

Hold Transfusion

Browse Vital Signs History

End Transfusion

Rapid Start Transfusion



Browse Transfusion History

View Reaction Information

Click the **Browse Transfusion History** button

◀ Back

Transfusion History

Edit	Info	Started	Ended	Unit Number (Product Name)	Volume	Reactions
		10/24/2014 08:48(by NURSE7)	10/24/2014 13:59( by NURSE7)	W201114127997 (RBC AS1 500 LR)	350	No

1 items

A) Click on the **edit icon** to edit the transfusion details

Correct Transfusion Details

End Transfusion Date/Time: 10/24/2014 13:59

Unit number: W201114127997

Blood product: RBC AS1 500 LR (E0336V00)

Volume transfused: 350 mL



Confirm Exit

1) Edit the appropriate **details**

2) Then click **Continue**

◀ Back

Transfusion History

Edit	Info	Started	Ended	Unit Number (Product Name)	Volume	Reactions
		10/24/2014 08:48		W201114127997 (RBC AS1 500 LR)	350	No

1 items

B) Click on the **Info icon** to view the transfusion details

Back

### Transfusion Details

Print Transfusion Report

General Reactions Vitals Checks Holds

Times

Date/Time started: 10/24/2014 08:48  
Started by: NURSE7, NURSE7  
Date/Time ended: 10/24/2014 13:59  
Ended by: NURSE7, NURSE7  
Reason for substitution: n/a

Blood Product Results

Blood product: RBC AS1 500 LR  
Donation Type: V  
Division: 00  
Unit number: W201114127997  
Center code: W2011  
Unit expiration: 11/10/2014 23:59

Held: Yes  
Volume transfused: 350mL  
End transfusion reactions: No  
Post transfusion reaction:  
Date/Time recorded:  
Recorded by:

The Transfusion details screen is divided into 5 categories

Click on a specific tab to view details about that event

## Charting a Post Transfusion Reaction

Results

#### Transfusions

#### Vital Signs

- Start Transfusion
- Hold Transfusion
- End Transfusion
- Rapid Start Transfusion
- Browse Transfusion History**
- View Reaction Information

1) Click the **Browse Transfusion History** button

Back

### Transfusion History

Edit	Info	Started	Ended	Unit Number (Product Name)	Volume	Reactions
		10/24/2014 08:48(by NURSE7)	10/24/2014 13:59( by NURSE7)	W201114127997 (RBC AS1 500 LR)	350	No

1 items

2) Click **No** to open the Post Transfusion Reaction window

Post Transfusion

1 Reactions 2 Vitals 3 Checks 4 Print

\*Clinical signs and symptoms:

- Rash, hives, flushing
- Chills, rigors
- Dyspnea
- Chest pain
- Hypotension
- Flank pain
- Nausea / vomiting
- Pain at IV site
- Fever 2 degrees F (1 degree C)
- DIC (oozing from lines, mucosa)
- Red or dark urine (hemoglobinuria)
- Other - see comments

Comments:

3) Select the appropriate signs and symptoms boxes or enter Comments

4) Then click Continue

Post Transfusion

1 2 3 4 Print

Reaction Instructions:

1. Stop the transfusion
2. Keep IV open with slow Normal Saline infusion
3. Record reaction signs and symptoms
4. Notify Transfusion Services, Physician and House Manager
5. Indicate if symptoms are consistent with TRALI (Transfusion related acute lung injury) or TACO (Transfusion associated circulatory overload)

- TRALI reactions usually occur 1-2 hours, but can occur up to 6 hours, post transfusion. Symptoms include severe bilateral pulmonary edema, dyspnea, hypoxemia, hypotension, fever

6. Send one labeled pink/purple top tube to Transfusion Services. Include BBID number, blood bag and tubing, and any other solutions being infused
7. All empty blood bags from a series must also be returned to Transfusion Services
8. For WCH patients, the first voided urine specimen is to be sent to the lab. If the patient has a urinary catheter, obtain a urine specimen immediately and send to lab

5) Read and follow the Reaction Instructions

6) Then click Continue

Post Transfusion

1 2 3 4 Print

Device ID:

Observation Date/Time: 10/24/2014 14:24 [Change](#) [Hide Ranges](#)

\*Temperature:  °C

\*Site:

\*Heart Rate:  beats/minute 60-150

\*Blood Pressure:  /  mmHg  palp 90/60 - 139/90

\*Respirations:  breaths/minute 10-50

O<sub>2</sub> Saturation:  %

Comment:

Last Recorded Vitals

Vital signs were last recorded by NURSE7 10/24/2014 14:01

Temperature: 36.9 C

Heart Rate: 85

Blood Pressure: 110/80

Respirations: 45

O<sub>2</sub> Saturation: Not Recorded

7) The patients Vitals may automatically display the last charted value; update the vitals as needed (items with asterisks (\*) are required)

8) Then click Continue

The patients Last Recorded Vitals will appear here

Post Transfusion

Reactions Vitals **3** 4  
Reactions Vitals Checks Print

\* Number of units in series

\* Name of personnel reporting reaction

\* Transfusion Services called

\* Name of Transfusion Services personnel

Clerical check - no errors found

Errors found on label

Errors found on wristband

Errors found in patient identification

Errors found on blood bag

9) Complete the **required fields** and mark the appropriate **check boxes** after the manual review check has been completed

10) Then click **Continue**

[Back](#)

Transfusion History

Edit	Info	Started	Ended	Unit Number (Product Name)	Volume	Reactions
		10/24/2014 08:48 (by NURSE7)	10/24/2014 13:59 (by NURSE7)	W201114127997 (RBC AS1 500 LR)	350	Yes

1 items

The reactions field is now changed to Yes