

Hospital EHR – Medical Staff Newsletter

March 2017, Volume 4, Issue 2

For questions, comments, or suggestions regarding the EHR or this newsletter, please contact me directly.

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Topics this month

C. difficile testing, EHR Clinical Decision Support, Effective 4.4.17
Controlled Substance Rx and the WI HOPE (Heroin, Opiate, Prevention, and Education) Law
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C. difficile testing, EHR Clinical Decision Support, Effective 4.4.17

Although not yet resistant to current treatments, *Clostridium difficile* has been designated by the CDC as a microorganism with a threat level urgent. Reflex cultures and culturing of patients likely to be colonized results in not only unwarranted antimicrobial use and the propagation of resistance but also may result in delay of accurate diagnosis.

EHR enhancements will assist with compliance with the following *Clostridium difficile* testing guidelines.

- ≥3 unformed stools in ≤24 hours unless ileus from CDI is suspected.
- No laxative use in prior 24-48 hours unless patient clinically unstable.
- Automatic cancellation if no unformed stool collected within 24 hours of order.
- Restrict testing to one specimen per 7 days.
- Do not perform follow up testing for resolution of disease within 30 days of prior infection.

EHR enhancements, Effective 4.4.17

- *Clostridium difficile* Toxin Ag w/Rfx to NAAT test order will be automatically cancelled if no specimen has been sent to the lab within 24 hours of order placement.
- All *Clostridium difficile* Toxin Ag w/Rfx to NAAT test orders will require completion of a PowerForm.
 - Form provides guidance regarding reasons to consider cancellation of the planned order.
 - Recent data from the chart is visible within the form including RN documentation of stools, laxative administration, and prior testing.
 - 3 required fields must be completed with Yes or No, and the green check mark clicked to finalize order placement.
 - If a decision is made to cancel the planned order, this is easily done by clicking the  in the top right corner of the form.
- Hard stop alerts will not allow *Clostridium difficile* Toxin Ag w/Rfx to NAAT test in these situations:
 - Positive *C.diff* Toxin test within prior 30 days.
 - Any *C.diff* Toxin test (positive, negative, or ordered with pending result) within prior 7 days.

Following are images of the PowerForm and a sample hard stop alert regarding C difficile Toxin Ag test.

Clostridium Difficile Toxin w/Rfx to NAAT - TESTIT, JULIAN

*Performed on: 03/29/2017 1338 CDT By: Wilkerson, Suzanne M MD

Clostridium Difficile Order - Testing Criteria

Prior to placing a C Diff test, it is mandatory to complete this form to assure that proper inclusion criteria are met and patient has no testing contraindication.

C.diff Toxin Test is not allowed in the following situations:

- C.diff Toxin Test (positive or negative) within prior 7 days.
- Positive C.diff Toxin Test within the prior 30 days.

(The test can be cancelled by exiting the form which will remove the order.)

Repeat testing in these situations requires contacting the on-call pathologist or lab director.
Milwaukee : 414-585-1424
Ozaukee: 262-243-7402

Recent Documentation

View Stool Documentation (last 24 hrs):
None
Laxatives Administered (last 48 hrs):
None
C.diff Toxin Test Orders (last 7 days):
Cdiff Toxin Ag Screen w/reflex to NAAT 03/29/17 12:53 Wilkerson, Suzanne M MD
Positive C.diff Toxin Test Results (last 30 days):

If one or more fields is "No" consider exiting the form which will remove the order.

3 or more loose stools documented in the past 24 hours. Yes No

Symptoms of fever, nausea/vomiting, and/or leukocytosis. Yes No

The patient is free from laxatives for past 48 hrs. Yes No

In Progress

Discern: (1 of 1)

***** C diff test not appropriate *****

Clostridium difficile Toxin Ag w/Rfx to may not be ordered more than once in 7 days in a hospital encounter. This test was previously ordered on March 29, 2017 12:53:39 CDT.

Choose 'Cancel Order' below.

If you feel that your patient does need this test please contact the lab director or on-call pathologist.

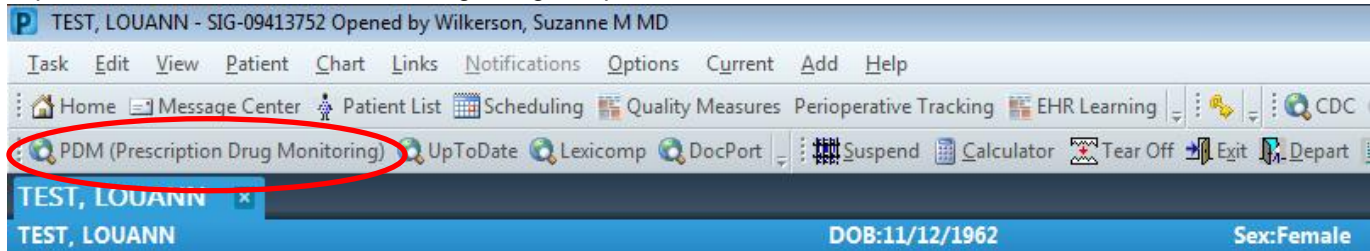
Milwaukee campus: 414-585-1424
Ozaukee campus: 262-243-7402

Cancel Order

Controlled Substance Rx and the WI HOPE (Heroin, Opiate, Prevention, and Education) Law

Effective April 1, 2017, Wisconsin law requires all prescribers to check the PDMP prior to prescribing any controlled substance, Schedule II – V, for greater than 3 day supply.

The tool bar has a quick link to the PDMP login page. Also, within the next week or two, further EHR support tools will be implemented to assist as reminders regarding compliance with the law.



Lab Recurrent Frequency Orders – duration requirement, Effective 4.4.17

To limit inadvertent lab testing as well as duplicate lab test orders, **all lab orders with recurrent frequency will require a defined duration.** When a frequency order is placed without a specified duration, an alert will request modification of the order as shown.

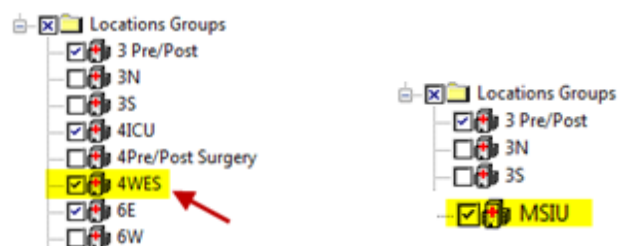
The image shows a Cerner alert window on the left and a lab order details form on the right. The alert, titled 'Discern: (2 of 2)', has a red header '*** Lab Order Missing Duration***'. The message states: 'Hemoglobin&Hematocrit has frequency defined. This order must also include duration/duration unit. Choose Modify Order below.' A 'Modify Order' button is at the bottom. A red box with an arrow points from the alert to the 'Duration' field in the lab order form. The form is for 'HemoglobinHematocrit' and includes fields for 'Specimen type' (Blood), 'Collected' (Yes/No), '*Requested Start Date/Time' (03/29/2017 1547 CDT), 'Nurse collect' (Yes/No), '*Collection priority' (Timed), 'Frequency' (q6hr), 'Duration' (empty), and 'Duration unit' (empty).

Medical Unit Name Changes, Effective 3.28.17

Due to reconfiguration of some of the Medical Units at CSM-Milwaukee on 3.28.17, the following updates to Patient Lists in the EHR have been made.

- 5th floor IMC has been replaced with **MSIU**
- **4WES** has been added for management of Observation patients

If you have patient list with IMC, replace it with MSIU. If you will be seeing patients on 4WES, be sure to add this to your patient lists. MSIU and 4WES are both available in Locations Groups when creating Custom Lists.

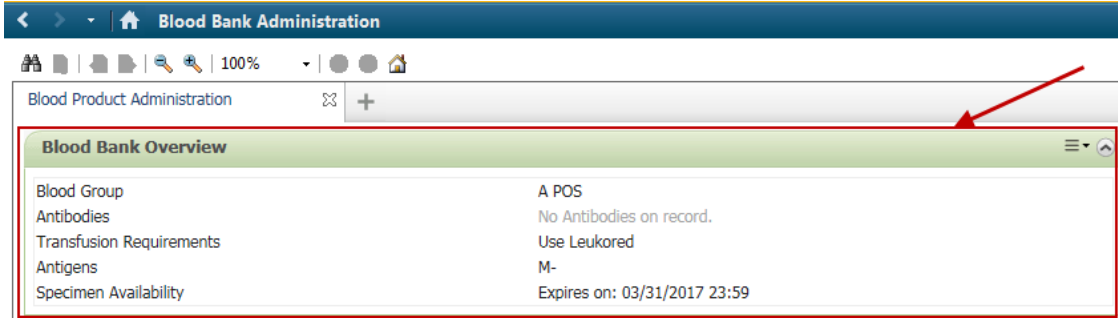


Blood Bank Summary Page, Available 4.11.17

A Blood Bank Administration summary page has been created to allow efficient access to information regarding blood product administration. The Summary page displays in the venue menu (in alphabetical order placement).

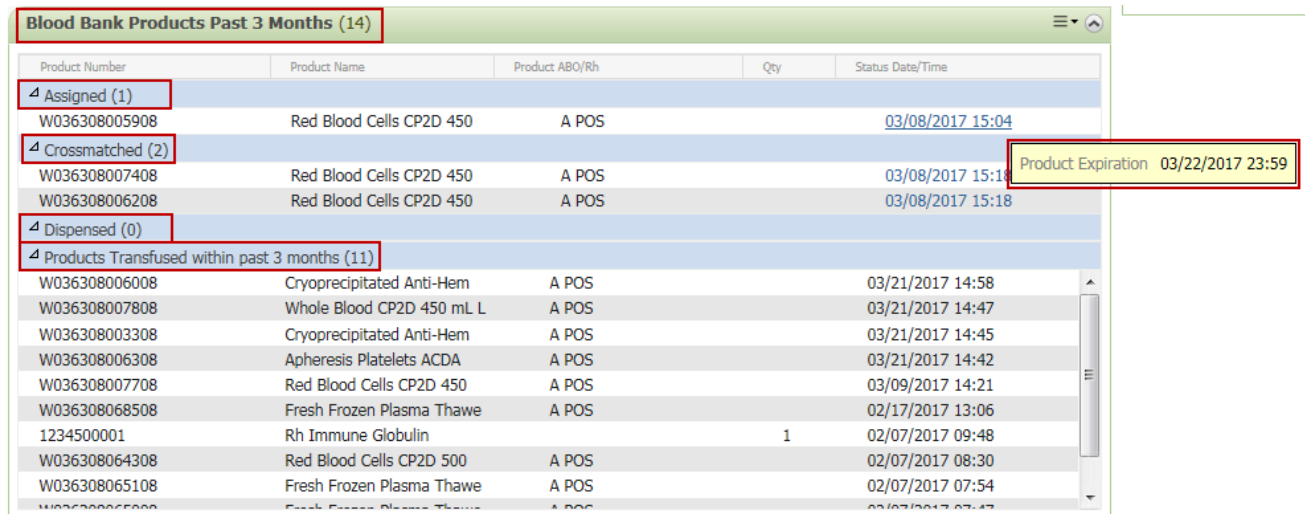
Following are the components of the summary page.

1. Blood Bank Overview



- a. Blood Group- Displays confirmed Blood Type.
- b. Antibodies- Displays documented antibodies or “No antibodies on record”
- c. Transfusion Requirements- Displays any transfusion requirements or “No transfusion on record”
- d. Antigens- Displays antigens or “No antigens on record”, if not documented
- e. Specimen Availability-Displays specimen expiration date or “No current specimen available”

2. Blood bank Products Past 3 Months



- a. Assigned – Displays all active, assigned, directed and autologous products.
- b. Crossmatched - Displays all active, crossmatched products.
- c. Dispensed – Displays all active, dispensed products.
For Assigned, Crossmatched, and Dispensed, hover over the Status Date/Time to view Product Expiration Date/Time
- d. Products Transfused within Past 3 months – Displays all active transfused products at all locations.

3. Transfusion Information this Encounter – displays, by type, products transfused during the current encounter.

Product Type	# of Units Given
RBC	2
PLTS	1
FFP	4
CRYO	2
WBLD	1

Blood Culture PowerPlan - Guidance, Effective 4.4.17

The language in the red box below will be added to the Blood Culture Subphase as a reminder to avoid inappropriate collection of blood cultures from central catheters.

Laboratory			
Choose one or more orders depending on the number of sites required.			
Peripheral			
<input type="checkbox"/>		Culture Blood	Peripheral Stick Blood, T;N, S...
<input type="checkbox"/>		Culture Blood	Peripheral Stick Blood, T;N, S...
Select below if need serial tests for endocarditis.			
<input type="checkbox"/>		Culture Blood	Peripheral Stick Blood, T;N, T...
Line			
<div style="border: 2px solid red; padding: 5px;"> Blood cultures should not routinely be taken from existing central catheters and should be limited to suspected catheter-related blood stream infections. If bacteremia is suspected, 2 sets of blood cultures should be drawn from separate venipuncture sites in adults. </div>			
Please indicate line source in specimen description			
<input type="checkbox"/>		Culture Blood	▼ Select an order sentence
<input type="checkbox"/>		Culture Blood	▼ Select an order sentence
<input type="checkbox"/>		Culture Blood	▼ Select an order sentence

Vascular Imaging Ultrasound Order Name Changes, Effective 3.30.17

Effective 3.30.17, per the request of Medical Imaging, some vascular ultrasound order names will be updated as follows:

Old Order Name	New Order Name
US Dopp Ankle Brach Indices Bilat	US ABI w/o Stress Bilat
US Dopp Ankle Brach Indices Left	US ABI w/o Stress Left
US Dopp Ankle Brach Indices Right	US ABI w/o Stress Right
US LE Doppler w/ Stress Bilat	US ABI w/ Stress Bilat
US LE Doppler w/ Stress Left	US ABI w/ Stress Left
US LE Doppler w/ Stress Right	US ABI w/ Stress Right
US LE Art Doppler >=3 Lvl Bilat	US LE Art Dopp Multi Lvl Bilat
US LE Art Doppler >=3 Lvl Left	US LE Art Dopp Multi Lvl Left
US LE Art Doppler >=3 Lvl Right	US LE Art Dopp Multi Lvl Right
US LE Art Digit Pressure Bilat >=3	US LE Art Digit Pressure Bilat

Reminder - TORB/VORB and avoidance of duplicate orders

Sometimes both an RN and Provider will place the same order in the EHR. This usually happens after a discussion between and RN and Provider regarding the patient and the order. The RN enters the order as a TORB/VORB (Telephone/Verbal order read back) and the physician also enters the order. To avoid such situations, which lead to duplicate orders, **be sure to clarify with the RN if you will be entering the order of if you need the RN to enter as TORB/VORB.**

In-House Support

In-house support is available **Monday through Friday from 8am to 4pm** on both Ozaukee and Milwaukee campuses from Caitlin and Kevin of the Clinical Informatics Team. They have offices on each campus and can provide both in person as well as over the phone assistance. Please do not hesitate to contact them directly during these hours.

Connect to them directly by dialing Vocera and requesting “EHR support.”

Ozaukee Vocera Phone: 262-243-6707

Milwaukee Vocera Phone: 414-585-1995

Real-Time, In-House Support includes:

- Quick 1:1 assistance for help with using the EHR.
- Coaching sessions for EHR workflow and utilization optimization.
- Assistance with logging tickets for identified problems.

If potential needs are identified by other hospital staff members, you may be referred to Caitlin or Kevin. Please be gracious when you are contacted and use these coaching opportunities to enhance your efficient use of the EHR. The support team members are your allies. Also, these interactions are a good opportunity for sharing your ideas on how to improve the EHR.

For urgent/emergent EHR technical assistance outside of the above hours, contact the Help Desk at 414-326-2400.

When asked for an extension, choose “7” for expedited transfer to a service desk analyst.