



Future State: Women and Babies - Acute - Blood Loss Calculator

Cerner Workflow ID: 19611 (v. 6.0) Client Workflow ID: 695

Last updated by Kelly Dickey, Feb 20, 2024 8:40am (UTC -4 hours)

Workflow Details:

Workflow Name: Women and Babies - Acute - Blood Loss Calculator

Workflow State: Future State

Workstream: Ongoing Assessment and Treatment

Venue: Acute Care

Client Owner:

Cerner Owner: White, Meighan Kathryn Moore

Standard: Yes

Related Workflow(s):

Tags:

Workflow Summary:

Service Line: Women's Health

Related Solution(s): PowerChart Maternity

Project Name: Niagara Health System:OPT-0297674:NIAG_CD Niagara HIS RFP

TestBuilder Script(s):

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Workflow Notes:

Introduced By: WS 4

Validated By: WS 7

Swim Lane:

Role(s): L&D Nurse

Mother/Baby Nurse

Department(s):

Security Position(s): Women's Health - Nurse

Women's Health - Postpartum Nurse

Start/Stop [3]

Description: Blood loss event occurs

Work Step [4]

Description: Begin collection of blood loss inventory to determine amount of blood loss for the patient

Value Impact: Patient Safety

Comments: Per CMQCC guidelines -

For vaginal birth:

a. Use under-buttock drapes, preferably with

graduated markers, to collect blood with vaginal birth. (Level I B)

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- b. Immediately after the birth of the baby, stop to assess the amount of fluid in the under-buttock calibrated drape. This value becomes the 'baseline' and all subsequent fluid represents blood loss.
- c. At the completion of the delivery/recovery period weigh all blood clots and blood soaked materials to determine cumulative volume.

For cesarean birth:

- a. After birth of the baby, suction all amniotic fluid and stop to assess the amount of collected fluid before delivery of the placenta. This value is the 'baseline'. All subsequent fluid represents blood loss (except use of measured irrigation fluid volume).
- b. In addition to counting lap sponges, the circulating nurse should assess volume of blood loss by weight or saturation assessment techniques

Decision [5]

Description: Will blood loss be measured by weighing inventory on scale or by measured volumes?

Work Step [6]

Description: Place blood-soaked inventory on scale to determine overall scale measurement
Comments: This scale measurement represents the dry weight of the inventory and the total weight of the blood loss in grams.

Work Step [13]

Description: Enter weight from scale into "Scale Weight" field within the Blood Loss Calculator

Work Step [15]

Description: Select number of inventory items used in scale measurement under "Items by Count" section of the Blood Loss Calculator
Comments: For example, if one white towel was used to soak the blood and placed onto the scale, you would enter or increment the corresponding inventory in "Items by Count" by one.

System [17]

Description: Review calculation totals and sign

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Comments: CMQCC recommends the following -
Gram scales readily available in US L&D settings:

- Blood soaked materials should be placed in precautionary container system, such as red-bagging, but kept accessible during an acute bleed to allow a visual cue to blood volume loss and to facilitate resolution of any discrepancies in blood volume loss assessment. (Level III C)
- Dry weight of materials must be subtracted from weight of blood soaked materials.
- Facilities should keep an updated list of standard dry weights for materials available in-patient care areas.

*Note: Standard dry weight for materials can be stored within the Blood Loss Inventory tool.

Decision [20]

Description: Is there additional inventory to measure?

Work Step [24]

Description: Follow unit protocol based on measurement for Total Measured Blood Loss

Comments: CMQCC Postpartum Hemorrhage Recommendations -
Stage 0: All Births

Stage 1 Identification: Blood Loss:>500 ml Vaginal>1000 ml CS

Stage 1

Interventions - Activate Hemorrhage Protocol

Stage 2 Identification -

Blood Loss:1000-1500 ml

Stage 2 Interventions - Sequentially Advance through Medications & Procedures

Stage 3 Identification - Blood Loss:>1500 ml Stage 3 Interventions - Activate Massive Hemorrhage Protocol

Work Step [8]

Description: Enter measured volumes directly into the Blood Loss Calculator under the Items by Measured Volume section

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Comments: For example, if measured volume is available from a calibrated drape and the calibrated drape is reading 300ml, enter "300" in the field for calibrated drape. Any volume entered under the Items by Measured Volume section will total in milliliters.

Repeat this step for any additional items by measured volume available.

Work Step [47]

Description: Enter any measured non-blood volume amounts to be subtracted from the total measured volume

Comments: See Release Notes for details on this enhancement.

Start/Stop [45]

Description: Within the calculator, the Total Measured Blood Loss is updated to reflect the new total for the patient

Work Step [41]

Description: Review details and sign off on modification

Work Step [40]

Description: Choose the appropriate button to either Modify or Unchart the Measured Blood Loss

Work Step [38]

Description: Select row that has the Measured Blood Loss that needs to be modified or uncharted.

Work Step [34]

Description: Click "History/Modify" link from within the Blood Loss Calculator.

Decision [32]

Description: Is a correction needed to a previously recorded Measured Blood Loss?

Start/Stop [35]

Description: Blood loss totals available within Intake and Output. Historical details available within the "History/Modify" link.

Comments: Total Measured Blood Loss clinical event may also be available in Dynamic Documentation depending on configuration.

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Facilities:

Facility Name: St. Catharines

Status: Pending Approval

Facility Cerner Owner: White,Meighan Kathryn Moore

Facility Client Owner:

Authorize Date:

Facility Comments: