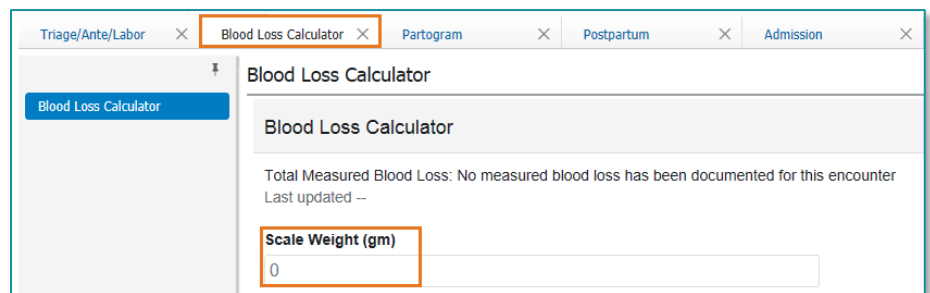The Blood Loss Calculator is a tool that helps accurately document the amount of blood loss during labor and delivery.
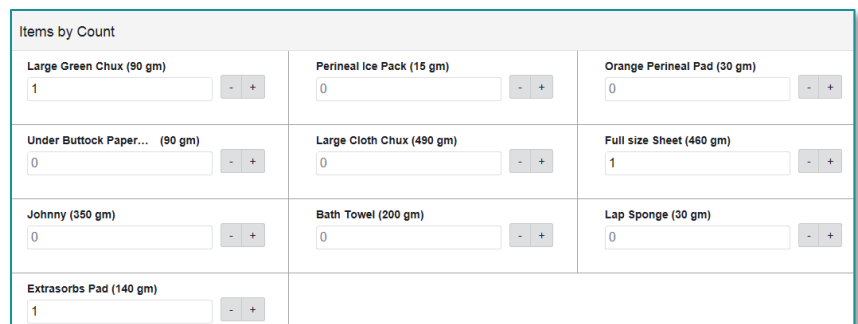
Blood Loss Calculator

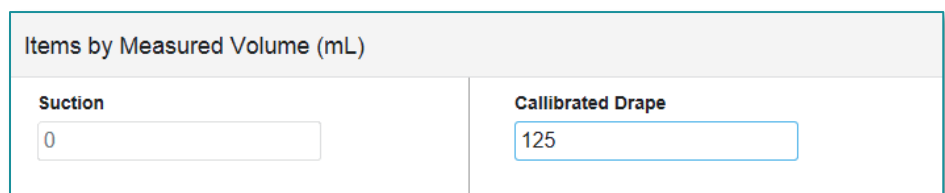➢ **Calculating Blood Loss**

- Open the Blood Loss Calculator MPage.

- Confirm all items used to soak up patient blood (sheets, towels, or pads, for example) are present with an accurate dry weight in the Blood Loss Inventory. If the dry weights are inaccurate, these can be updated.

- Once you have used the sheet or towel to absorb the patient's blood, place the saturated item on the scale.

- Enter the value on the scale in the **Scale Weight** field in the calculator.

- Enter the counts of each item placed on the scale (one sheet and one pad, for example), using the + sign.

- If necessary, enter the volume of any blood calculated in a measured volume container. The measured blood loss (MBL) value is displayed.

- Confirm all values are accurately documented in the calculator and click **Sign**. The Measured Blood Loss is saved.

- If you want to clear the data in the calculator prior to signature, click **Clear Calculator**.
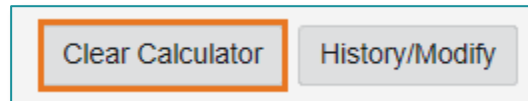
- If there are documentation errors, the **Sign** button is unavailable until those errors are corrected.

➢ **Blood Loss Calculator Fields**

- Scale Weight
  - In this section, you can enter the numerical value (between 0 and 99999.99) in grams from the delivery room scale.

- Items by Count
  - Items in this section are configured by the information provided to define the dry weight of any patient care item that may become saturated with blood: towels, blankets, gowns, chux, and sheets are examples.
  - You click the + and - buttons to enter a numeric value between 0 and 99 to enter the appropriate count for the patient care item.

- Items by Measured Volume
  - Items in this section are configured by the information provided to define the containers that display the volume of blood lost.
  - These items are not weighted to determine the volume of blood loss.
  - You can enter a value between 0 and 9999.99 by typing into the text box for any of the configured items, like suction, or calibrated drape.

- Chart At: Current Time/Defined Date and Time
  - If you do not want to sign the MBL value to the current date and time, you can define a different date and time in this section. You cannot select a date or time that is prior to the start of the patient encounter or a future date or time.

- Required Values
  - If an invalid value is entered in any of the sections, a message is displayed that advises you to enter a valid number. Other than commas and periods, special characters and letters are not permitted.
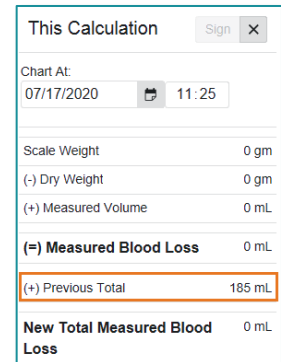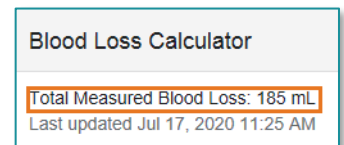
➢ **Reviewing MBL Values**

- To review a signed MBL value, click the value in the Blood Loss Calculator. The **This Calculation** detail pane is displayed.

- This value is also displayed in the tool in the upper left-hand component.

- Information also flows to the Intake and Output band in Interactive View and I O in the Miscellaneous Output section.

➢ **This Calculation Detail Pane**

- Scale Weight

  ▪ The value that is entered in the **Scale Weight** box in the Blood Loss Calculator is displayed here.

- Dry Weight – Items by Count

  ▪ The total dry weight of all patient care items is displayed here. For example: If the **Items by Count** section showed two towels with a dry weight of 50g and four chux with a dry weight of 25g, the dry weight displayed in this section is 200g.

- Measured Volume

  ▪ The total volume of all amounts documented in the **Items by Measured Volume** section is displayed here. For example: If 500 ml of suction was documented and 200 ml was documented in the calibrated drape, the Measured Volume displayed is 700 ml.

- Measured Blood Loss

  ▪ This is the total Measured Blood Loss value, which is based on the following calculation: scale weight – dry weight + measured volume.

- Previous Total

  ▪ This value is the sum of all previous blood loss calculations saved to the patient's electronic health record (EHR).

- New Total Measured Blood Loss

  ▪ This value is the total value from Measured Blood Loss and Previous Total fields, it is modified each time an input field is modified.

- Signing to EMR
  - When you click the **Sign** button, the results are saved to the patient's EHR, and are visible in the History view.
  - After you save a calculation, the calculation is available in the History and Modify and Unchart views.
- Measured Blood Loss
  - This is the value from the Measured Blood Loss field of the calculator.
- Total Measured Blood Loss
  - This is the patient's new Total Measured Blood Loss for the encounter.
  - Once the **Sign** button is selected, the value from this field becomes the Previous Total in the next calculation and the saved calculation is available to view in the History and Modify and Unchart views.

➢ **History View**

- In the History view, you can view calculations saved in the calculator. They are listed in descending order by the **Chart At** time.

Date / Time	Measured Blood Loss	Signed by
☐ Show uncharted values		
Jul 17, 2020 11:11 AM	185 mL	ZZ, NURSE WOMENS HEALTH P2

- History Details View detail pane
  - Click the icon **History/Modify** and a detail pane is displayed. The following information is included:
    - The person who signed the calculation.
    - The selected Chart At time.
    - Perform time and Modify time.
    - All values populated for each section of the calculator.
      - Value of the Scale weight field, if populated.
      - Quantities and Label of each dry weight field that was populated and total dry weight.
      - Value of each measured volume item populated and total measured volume.
  - You can also Modify and Unchart the value from the History view.

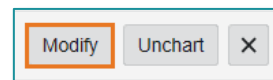|	Modify	Unchart	✕
185 mL			
Chart: Jul 17, 2020 11:11 AM			
Perform		Modify	
Jul 17, 2020 11:25 AM		--	
Signed by			
ZZ, NURSE WOMENS HEALTH P2			
Scale Weight			750 gm
(-) Dry Weight			690 gm

➢ **Modify/Unchart View**

- In this view, you can modify or unchart an MBL.

- **Uncharting**
  - ▪ To unchart a calculation, you must select an uncharting reason.
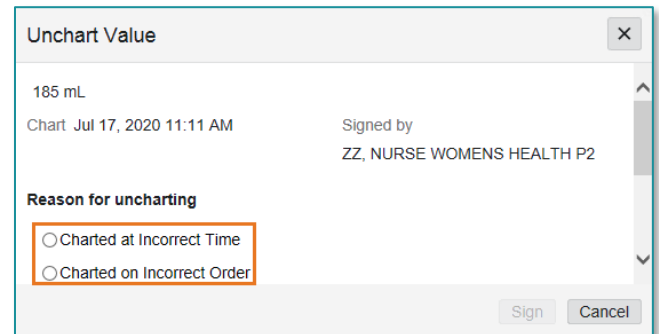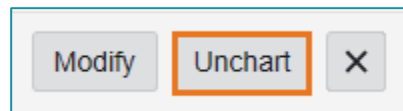
- **Modifying**
  - ▪ You can modify the following values:
    - Chart At date and Time (use this to back date the MBL)
    - Items by Count
    - Scale Weight
    - Items by Measured Volume
  - ▪ After you have successfully modified an MBL, the Modify icon is displayed next to the value in the History view and in all detail panes.