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How Much Blood Is That? The Use of Scorecard Feedback to Improve Measurement of Blood Loss at Delivery

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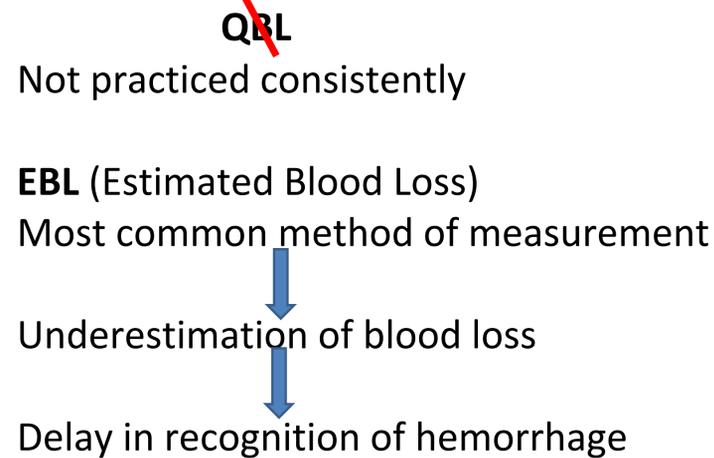
How Much Blood Is That?

The Use of Scorecard Feedback to Improve Measurement of Blood Loss at Delivery

BACKGROUND

- Obstetric hemorrhage is a common cause of maternal morbidity/mortality
- Measurement of quantitative blood loss (QBL) permits prompt recognition of hemorrhage
- Scorecards as feedback have been used to stimulate performance improvement

PROBLEM



Purpose

Improve practice of QBL measurement by labor and delivery nurses in a community hospital.

METHODS

- Quality improvement project
- Review of records of all delivery patients for 12 weeks (522)

Prepare weekly scorecards

- Blinded individual data
- Aggregate unit data

Display

- Percent of each nurse's deliveries with QBL documented
- Percent of all deliveries with QBL documented

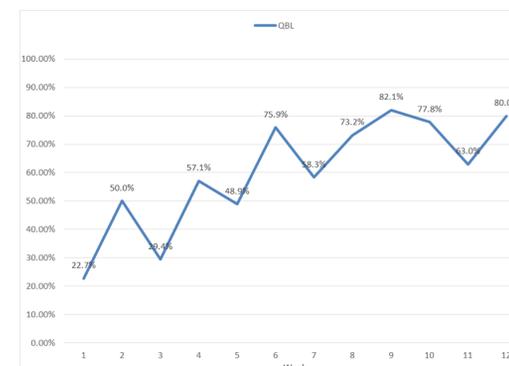
Present scorecards as feedback

- At weekly meetings
- Post on unit

Number of patients and number of units of blood products transfused tracked weekly as balancing measures.

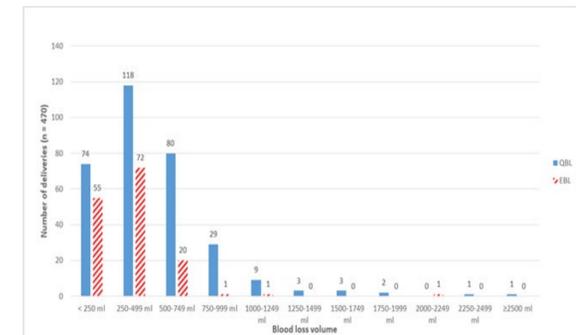
RESULTS

Percent of Patients with QBL Documented at Delivery



RESULTS

Comparison of QBL and EBL Volumes for Total Deliveries



- 470 deliveries with method of measurement of blood loss recorded
- Significant difference between mean QBL volume (482.20 ml) and mean EBL volume (313.15 ml), $p < 0.001$

CONCLUSIONS/DISCUSSION

- Scorecard feedback was associated with improvement in performance
- No increase in transfusions with increasing QBL measurement

FUTURE PROJECTS

Use scorecard feedback to nurses for other measures they influence: rates of cesarean delivery, breastfeeding, catheter-associated urinary tract infections