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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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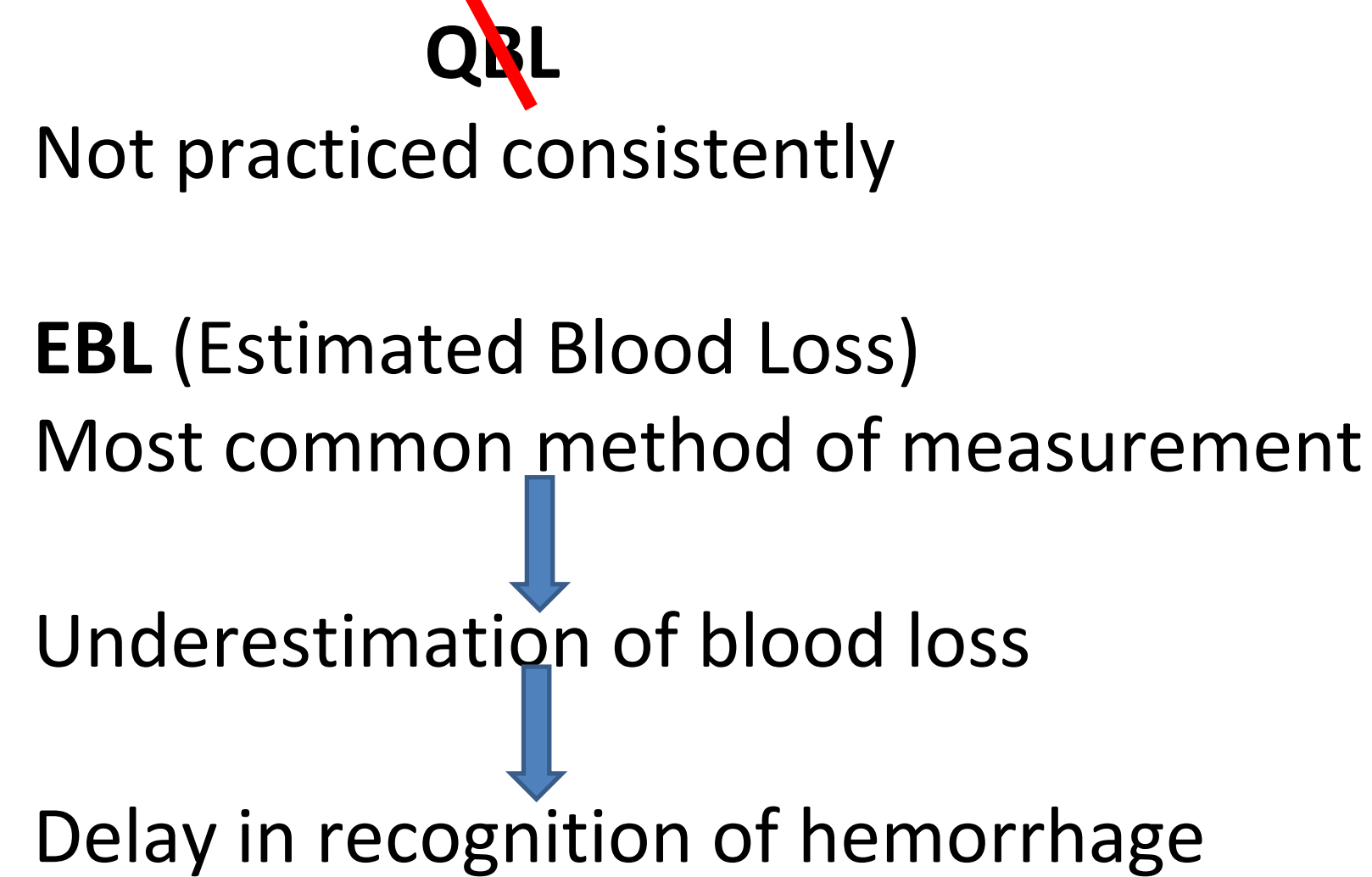
# How Much Blood Is That?

## 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

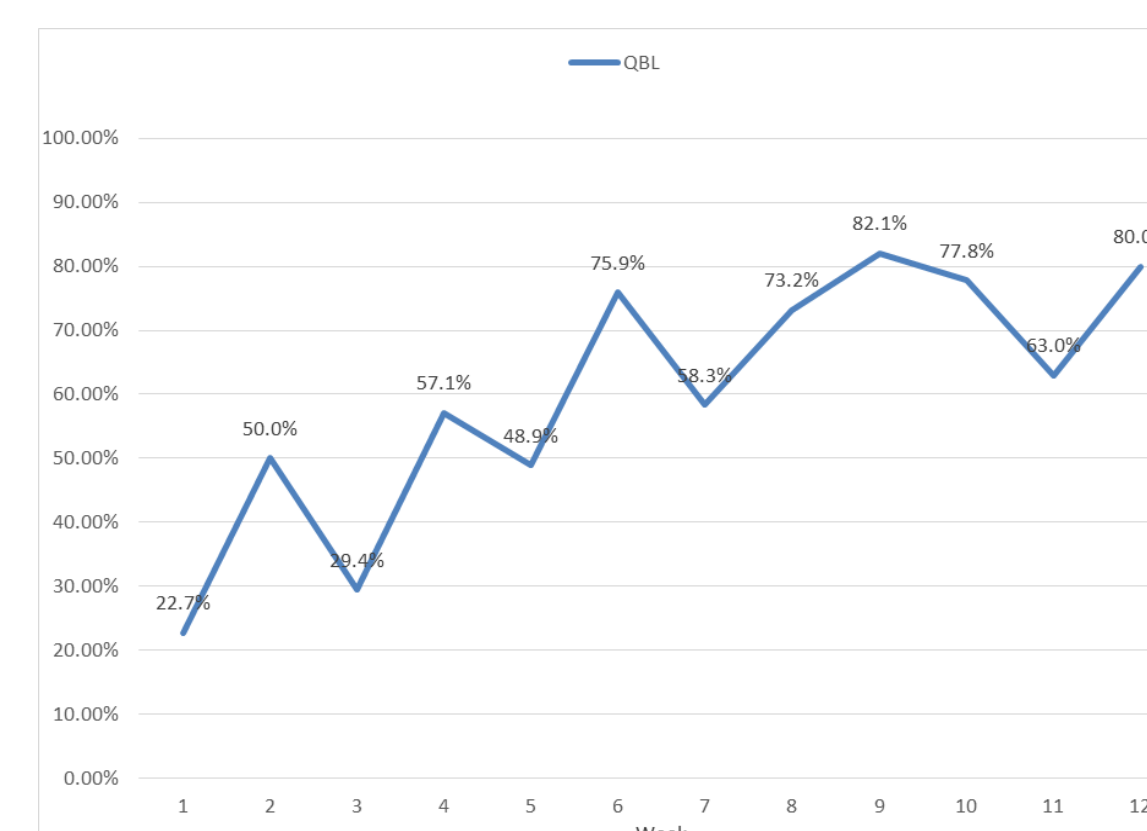
Present scorecards as feedback

- At weekly meetings
- Post on unit

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

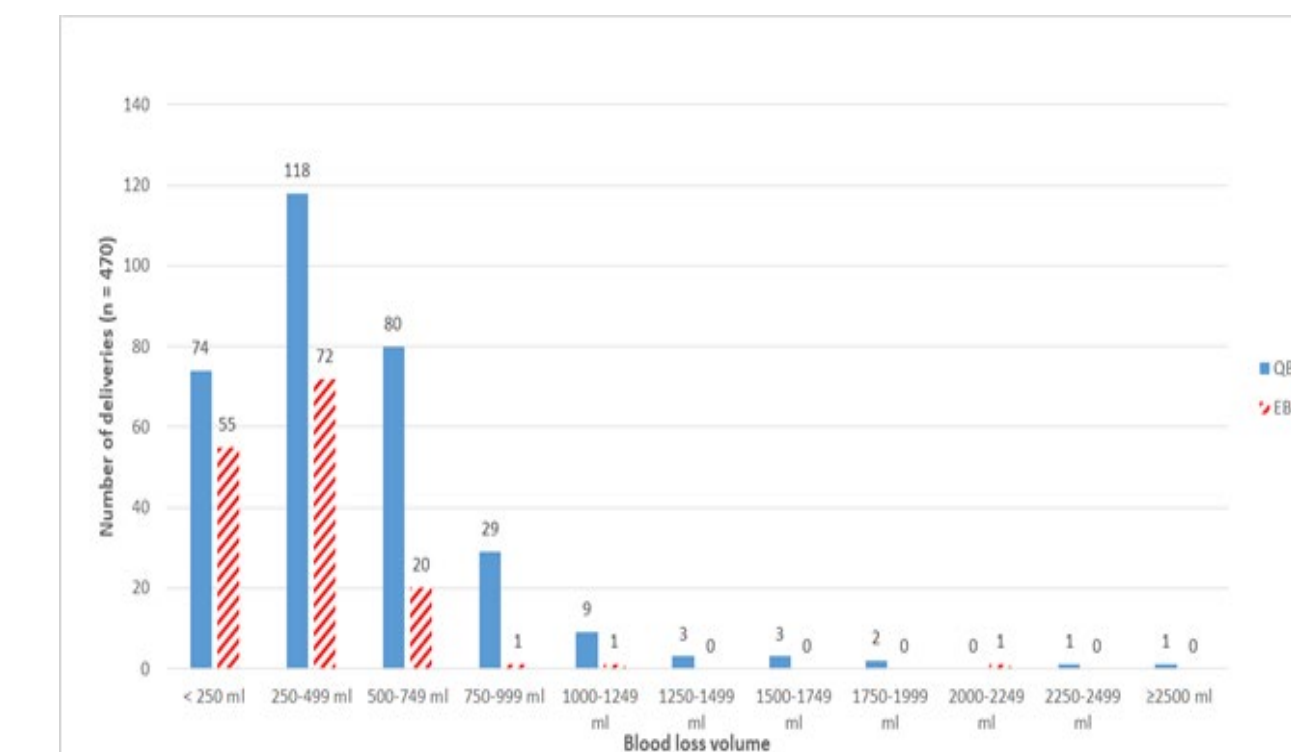
### RESULTS

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