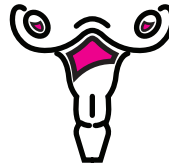


OBSTETRICAL ADVERSE EVENTS

CASE FOR CHANGE

64th

The United States has fallen to 64th in the world on maternal mortality. Adverse events occur in approximately 9% of all deliveries, at a cost of \$60 billion annually.^{1,2}



Leading causes of maternal death are also the most preventable.³

- Obstetric hemorrhage
- Preeclampsia
- Embolism
- Infection

Reduce early elective deliveries and reduce maternal mortality by

20
PERCENT
by 2019.

BOLD AIM & KEY DRIVERS

- ◀ Patient Centered
- ◀ Community Based
- ◀ Communication

KEY LEARNING

- Implementing standardized protocols with checklists
- Trained and activated teams and regular ongoing unit based team drills and education
- Rapid availability of resources and medications
- Assessment of risk on admission
- Early warning tools for vitals and symptoms
- Engage and educate patients and families
- Debriefing and huddles
- Support and encourage consumer prenatal care education, including early access to prenatal care

RAPID CYCLE INNOVATIONS

Patient Centered

- Identify Maternal Early Warning Criteria, to identify maternal patients who require urgent bedside evaluation

Community Based

- Effectively track the implementation of bundles at organizations throughout Iowa
- Be aware of the percentages of Early Elective Inductions that turn in C-sections
- Be aware of provider specific commonalities

Communication

- Facility Review: Mini, root-cause analysis for use in all cases of severe maternal morbidity and mortality
- Hard stop policy in place for EED prior to 39 weeks' gestation

MEASURES



Outcome:

- Early elective delivery
- Primary cesarean delivery rate, uncomplicated
- Birth trauma rate - injury to newborn
- Obstetrical trauma rate - vaginal delivery with instrument
- Obstetrical trauma rate - vaginal delivery without instrument

Sources:

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2. Agrawal, P. (2015). Maternal Mortality and Morbidity in the United States of America. World Health Organization: <http://www.who.int/bulletin/volumes/93/3/14-148627/en>
3. Andreea A. Creanga, MD, PhD, corresponding author Cynthia J. Berg, MD, MPH, Jean Y. Ko, PhD, et. Al (2014). Maternal Mortality and Morbidity in the United States: Where Are We Now? *Journal of Women's Health*, 23(1), 3-9.

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