Standardizing Care for Perinatal Patient Safety

Mercy Medical Center – Clinton, Iowa

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Mercy Medical Center
Clinton, Iowa

• Non-Profit Community Hospital
  – 135 Acute care beds
  – 183 Long-term care beds / Dementia

• Obstetrical Care Department
  – 4 OB/ GYN Physicians
  – 1 General Practice Physician
  – 4 Pediatricians
  – 27 RN's
Trinity Health – Novi, Michigan

- Catholic Healthcare System
- 47 hospitals – 10 states
- 27 hospitals provide obstetrical services
- 2010 – 1% of the nation’s deliveries

Trinity Health’s Risk Management Budget

- 33% severity of liability claims in labor and delivery
- Greater than one-half of liability claims reserved in excess of $1M were OB cases
- 75% of all claims resulted in jury awards or settlements greater than $1 million
- Most Important – Patient Outcomes
Perinatal Patient Safety Initiative (PPSI)

Trinity Health
- Initiated March 2009
- Goal: Standardize high-risk obstetrical processes
- Expert consultants – Dr. Eric Knox and Dr. Kathleen Rice Simpson

Mercy Medical Center – Clinton
- Gap analysis - May 2011
- Physicians and nurses involved in audit
- Numerous opportunities identified

Action Plan and Project Initiation
Mercy Medical Center – Clinton
- June 2010 – Initiation
- Project Lead – Laura Gassman
- Five areas of practice / Five Teams
  - Labor Induction
  - Fetal Assessment
  - Second Stage Labor Management
  - Pain Management
  - Professional Practice
Labor Induction / Augmentation

- Elimination of Early Elective Inductions
- Low-dose Oxytocin protocol
- Tachysystole algorithm

Elimination of Early Elective Deliveries

Team Activities
- Current data: research articles, professional standards and practice guidelines
- Goal setting and timeline for compliance
- Auditing tool
- Communication to all staff
Elimination of Early Elective Deliveries

- Learning curve
- Scheduled birth request form
- Induction Consent - required signatures
- Medical indications
- Denied scheduling request

Low-dose Oxytocin Protocol

- Pre-Induction checklist
- In-use Oxytocin checklist
- Tachysystole algorithm
Fetal Assessment

Goals:
• Standardized language for nurses and physicians
• Intrauterine resuscitation algorithm
• 100% EFM strip review

Second Stage Labor Management

Goal:
• Implement AWHONN practice guidelines
Pain Management

Goals:
• Circumcisions with effective and appropriate anesthesia
• Epidurals within one hour of the request

Professional Practice

Goal:
• Utilization of Chain of Command and Disruptive Practitioner Policies
• Policy updates reflecting current practice standards
• National Certification - Electronic Fetal Monitoring
Additional Safety Practices

Blood Pressure Initiative – Evidence-based practice project initiated by staff nurses

- Disposable cuffs – infection control
- Policy change
- Community education

Outcome: Elimination of Early Elective Deliveries

Current rate for elective delivery less than 39 weeks gestation **0.3%** (May 2011 – October 2011) 15% in 2009
Outcome: Elimination of Early Elective Deliveries

Mercy Medical Center-Clinton
July 2010- April 2012
1 delivery in 930 birth (0.001%)
Outcome – Annual
NICU Pt. Days / Total Newborn Days

Outcomes - Transfers
Outcomes – Transfers

Mercy Medical Center - Clinton
Neonatal Transfers to Higher Level of Care

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<th>2010</th>
<th>2011</th>
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<td>28</td>
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Outcome
Overall Patient Satisfaction

Mercy Medical Center - Clinton
Press Ganey Patient Satisfaction
Global Hospital Rating Top Box %tile rank

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<th>2010</th>
<th>2011</th>
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All Data Base vs 100-200 Bed
Outcome: National Certification
Electronic Fetal Monitoring

Electronic Fetal Monitor Certification
2011 - Pass Rate Average

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<th>National</th>
<th>Trinity Health</th>
<th>Mercy - Clinton</th>
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<td>69%</td>
<td>88%</td>
<td>97%</td>
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Most Important
Mothers and Babies

No new VBAC claims since 2009
4 litigated OB claims since 2009
for Trinity Health
Conclusion

Standardizing high-risk obstetrical processes based on national standards and guidelines has improved patient safety, outcomes and quality of care.

Questions?

Thank you for allowing us to share our journey.

Mercy Medical Center – Clinton, Iowa

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