Safe Deliveries Roadmap

Learning Collaborative Webcast
March 12, 2015

Safe Deliveries Roadmap

Advancing Safety for Mothers and Babies
A Roadmap from Pre-pregnancy to Postpartum

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Today

• Hear about Safe Deliveries Project updates

• Hear *Health Affairs* article author, Dr. Carla Keirns, tell her story about “giving birth in a culture that increasingly pushes women toward cesarean sections”

• Learn how approaches to implementing the Safe Deliveries Roadmap address common barriers to successful practice change in complex systems

• Explore new ways to partner with patients to change the status quo

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June 2015 – May 2016

- Adverse drug events (ADE)
- Catheter-associated urinary tract infections (CAUTI)*
- Central line-associated blood stream infections (CLABSI)*
- Ventilator-Associated Events (VAE)
- Injuries from falls and immobility*
- Obstetrical adverse events*
- Pressure ulcers*
- Surgical site infections
- Venous thromboembolism (VTE)*
- Preventable readmissions*
- Clostridium difficile (CDI) (New)
- Antimicrobial Stewardship (ASP) (New)
- Safe Imaging Practices (New)
- Sepsis Mortality (New)*

* Tied to Medicaid Quality Incentive

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Medicaid Quality Incentive
Elective Induction with Unfavorable Cervix in Nulliparous Women

- Cascade Valley Hospitals and Clinics
- Confluence Health/Central Washington Hospital
- Deaconess Hospital/Rockwood Health System
- EvergreenHealth
- Group Health Cooperative/Central Hospital
- Harrison Medical Center
- Highline Medical Center
- Kittitas Valley Healthcare
- Kadlec Regional Medical Center
- Legacy Salmon Creek Medical Center
- MultiCare Auburn Medical Center
- MultiCare Good Samaritan Hospital
- MultiCare Tacoma General Hospital
- Olympic Medical Center
- Overlake Medical Center
- PeaceHealth Southwest Medical Center
- PeaceHealth St. Joseph Medical Center
- Providence Sacred Heart Medical Center & Children
- Providence St. Peter Hospital
- Samaritan Healthcare
- Skagit Valley Hospital
- St. Elizabeth Hospital
- St. Francis Hospital
- St. Joseph Medical Center
- Swedish Ballard
- Swedish Edmonds
- Swedish First Hill
- Swedish Issaquah
- Toppenish Community Hospital

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Hospital Check-In

https://www.surveymonkey.com/s/8W662RZ
Safe Deliveries Roadmap Outcome Measure
NTSV C-section Rate for Nulliparous (first) Deliveries
Q3 2014 Distribution

Definition: Numerator: Number of patients with a cesarean delivery among the denominator. Denominator: Number of deliveries among Nulliparous (first birth) women at term >=37 wks gestational age excluding breech presentations, twins and other multiples (NTSV).

Data Sources: WSHA-MDC (WSHA-Maternal Data Center) and WSHA-QBS (WSHA-Quality Benchmarking System) as of December 29, 2014

* Hospital denominator < 20

NEW REPORTS

Presented at the Washington State Hospital Association Safe Deliveries Roadmap Safe Table Webcast – March 12, 2015
Featured Interview
Dr. Carla Keirns
Watching The Clock: A Mother’s Hope For A Natural Birth In A Cesarean Culture
Attributes

- Networked
- Simple rules
- Non-linearity
- Emergence
- Self-organizing
- Uncertainty

COMPLEXITY SCIENCE

Human System

Natural System

Self-organization

Adaptation

Emergence

Path Dependence

## Labor Management Bundle

<table>
<thead>
<tr>
<th>Aspect of Care</th>
<th>Decision Point</th>
<th>Practices/Interventions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prenatal:</td>
<td></td>
<td></td>
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This bundle reflects emerging clinical, scientific, and patient safety advances as of the date issued and is subject to change. The information should not be construed as dictating an exclusive course of treatment or procedure to be followed.

For questions, please contact Mara Zabari, Director of Integration - Partnership for Patients, at maraz@wsha.org or (206) 216-2529.

- Not done prior to 39 weeks gestation
- Between 39 – 40 6/7 weeks gestation. Must have Bishop score of 9 or greater in nulliparous women and 6 or greater in multiparous women (no cervical ripening)
### Labor Management Bundle

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<tr>
<td>Prenatal:</td>
<td>Assessment of Gestational Age</td>
<td>✓ Provide documentation on how and when gestational age determined (most recent ACOG criteria, see ACOG Committee Opinion No. 611—note: 1st trimester ultrasound dating is most accurate when a clearly visualized crown-rump length (CRL) can be measured.</td>
</tr>
<tr>
<td>Labor induction:</td>
<td>Pre-procedure</td>
<td>✓ Consent form discussed with patient and signed for any induction; medical and non-medical (ACOG induction consent or equivalent)</td>
</tr>
</tbody>
</table>
|                      | Non-medically indicated  | ✓ Not done prior to 39 weeks gestation  
✓ Between 39 - 40 6/7 weeks gestation. Must have Bishop score of 9 or greater in nulliparous women and 6 or greater in multiparous women (no cervical ripening) |
| Consider discharge home or further observation (spontaneous labor only) | ✓ Cervix 4-5 cm without change x 2 - 4 hours  
✓ Less than 80% effacement  
✓ Membranes intact  
✓ Reactive NST/FHR category I (if uterine contractions present)  
✓ Contractions less than 3/10 minutes |
| Consider AROM and/or Oxytocin administration (spontaneous labor only) | ✓ Cervix 4-5 cm without change x 2 - 4 hours  
✓ 90 – 100% effacement  
✓ Membranes intact  
✓ Reactive NST/FHR category I (if uterine contractions present)  
✓ Contractions less than 3/10 minutes |
| Consider Cesarean delivery (all three present) (for spontaneous labor and induction of labor entering active phase) | ✓ Cervix 6 cm or greater  
✓ Membranes ruptured (if feasible)  
✓ Arrest of Cervical Dilation and Uterine Activity:*  

**Arrest of Cervical Dilation and Uterine Activity documented as:**  
- Adequate (>200 Montevideo units or palpably strong > q 3 minutes when not feasible to rupture membranes) with no cervical change x 4hr ***  
  OR  
- Inadequate (<200 Montevideo Units or <3/10 minutes despite Oxytocin per protocol) with no cervical change X 6hr***

***Clinical judgment is needed to determine safe upper limit of total time allowed in active phase >=6cm to < 10cm. Per the Zhang et al partogram at 6cm the 95th %’ile for a normal active labor phase curve and normal outcomes is approximately 8 hrs total time
Anything Else?
2015

- Roadmap Monthly (webcast) 7:00am – 8:00 am

| March 12 | August 20 | April 30 | October 15 | May 21 | November 19 | June 18 | December 17 | July 16 |

- Safe Tables (in-person) 9:00am – 2:30 pm
  - September 8
Thank You!

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Safe Deliveries Roadmap Website  
http://www.wsha.org/0513.cfm%20

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