

Obstetrical Outcomes Data Collection and Quality Analysis: A Pilot Project

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May 2013



M a s s a c h u s e t t s
Perinatal Quality Collaborative

MAPQC Goal

- Spread the use of best practices in obstetrical care
- Provide a resource for quality improvement to hospitals practicing obstetrics

The Pilot Project Idea

- Provide quarterly, “real time”, outcomes analysis with comparison information within the state.
- Utilize point of care and/or electronic charting data base information and minimize billing and coding data
- Provide data quarterly
 - Run tables vs. analysis of variance

Regions



Central Region



Central Region

- Heywood
- Health Alliance
- Metro West/Framingham Union
- Milford Regional
- St Vincent's Medical Center
- UMASS Memorial
- Bay State Medical Center

Southeast Region



Southeast Region

- Charlton
- St Lukes
- Tobey
- South Shore
- Signature Brockton
- Cape Cod Hospital

Baseline Statistics Reported - Denominators

- NSVD
- VBAC
- Operative Vaginal Delivery
- Primary Cesarean Delivery
- Repeat Cesarean Delivery

- -Term and Preterm Deliveries

Outcomes Reported - Numerators

- Term NICU Admission
- 5 minute APGAR less than 7
- Arterial Cord pH <7.0
- Maternal Transfusion of Blood Products
- Maternal CCU/SICU Admission
- 3rd and 4th degree lacerations
- Brachial Plexus Injury

Crossing the T's and Dotting the i's

- Data sharing agreement utilized
- All data is de-identified of patient information and sites are given center numbers
- Data stored in office of quality and patient safety statistical group -
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Timeline

- Collecting starts May 2013
 - Present initial run tables at November MPQC meeting
- Expansion to rest of the state in January 2014
 - Looking for interested regional liaisons and any interested hospitals

Aim

- Not a research study
- Gather data for future quality variance analysis to be used by individual hospitals to target and follow quality improvement projects
- Start simple and build to future outcomes

Future Outcomes

- HIE/cooling
- Peripartum hysterectomy
- Eclamptic seizure
- BMZ initiation
- Severe Range BPs
- Term IUFD
- Ect

Want to Join?

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