



The Oregon Maternal Data Center (OMDC)

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Housekeeping Notes

- Phone lines are open. Please place your line on mute until speaking.
- You are free to ask questions at any time. If you prefer, you can type questions in the questions box on your screen.
- Use the chat feature to alert us to any technical difficulties.
- We will monitor both questions and chat features throughout the webinar.

Q Corp Updates

- Held one-on-one hospital meetings to secure OMDC pilot participants
 - Committed/very interested hospitals on today's Webinar
- Finalizing build decisions for OMDC tool w/ CMQCC
- Negotiating/finalizing legal agreements w/ CMQCC
- Today's Webinar key step in pilot preparations
- All materials (*data specs, legal agreements, other*) will be available at:

<http://www.q-corp.org/maternity-care>

What is the Maternal Data Center (MDC)?

An interactive tool to support hospitals' OB quality improvement initiatives and service line management

- Overall hospital performance measures
- Drill-down to the patient level and case review worksheets to identify quality improvement opportunities—for both clinical quality and data quality
- Provider-level statistics—to assess variation within a hospital
- Benchmarking statistics--to compare your hospital to regional, state, and like-hospital peers in OR, WA and CA
- Facilitating reporting to Leapfrog and Quality Net

Maternal Data Center Background

- MDC developed by the California Maternal Quality Care Collaborative (CMQCC) --a research program operated from Stanford University School of Medicine
- Database and application servers on site at Stanford Med-IRT
- Maternal Data Center has been in operation for California hospitals since January 2012 and for Washington hospitals since August 2014.
- The Oregon MDC (OMDC) now being customized for hospitals in the Oregon Perinatal Collaborative!

Demonstration of Maternal Data Center

Data Files

Three Required Data Files

- ❖ Patient Discharge Data
- ❖ Core Maternal Clinical File
- ❖ Core Newborn Clinical File

-Comma-Delimited Flat File Format (CSV) with all data elements for each case in a single row. (NO set field lengths.)

-Submit based on discharge date—for all file types

-Use MDC-designated column headers

-Detailed Data Specifications and CSV File Template-made available in February

-Core Files to include ALL required data elements

Patient Discharge Data (PDD)

- Subset of the data elements hospitals submit to OAHHS

Facility ID (NPI)	ICD-9 Diagnosis and Procedure Codes (all)
Date of Birth	Dates of Service
Patient Zip Code	Admission and Discharge Dates & Times
Race/Ethnicity	Revenue Codes and Service Units
Admission Source	Payer Information
Discharge Status	MRN or Patient Account Number (to be encrypted by MDC)

- Can include *all* discharges –OR– only moms and babies (based on ICD-9 codes in Data Specifications)
- Will transition to ICD-10 with October 2015 data
 - Any early transitions?
- Revenue Codes and Service Units: To auto-populate ICU metrics
- Recommend MRN over Patient Account Number
 - Facilitates record lookups by clinical staff
 - In event want to look at re-admissions in the future

Core Clinical Files

Required Data Elements

Core Maternal Clinical File

- Maternal Medical Record Number
- Discharge Date
- Maternal Date of Birth
- Parity
- Gestational Age-Weeks
- NPI of Delivering Provider

Core Newborn Clinical File

- Newborn Medical Record Number
- Newborn Discharge Date
- Newborn Date of Birth
- **Maternal Medical Record Number**
- Birthweight
- 5 Minute Apgar Score

- Clinical files also submitted based on discharge date.
- If cannot select *clinical* cases based on ICD-9 codes, attempt to identify only delivery-related clinical records (not antepartum or postpartum).

OPTIONAL Supplemental Clinical Data

Maternal File

- MRN
- Date of Discharge
- Gestational Age-Days
- Number of Maternal ICU Days
- Blood Products Transfused (RBC, FFP, PP, Cryo)
- Labor
- Spontaneous Rupture of Membranes
- Prior Uterine Surgery
- Antenatal Steroid Therapy Initiated
- Reason for Not Initiating ANS Therapy
- DVT Prophylaxis - C-Section
- Sample Flag for Joint Commission PC-01
- Sample Flag for Joint Commission PC-02
- Sample Flag for Joint Commission PC-03
- Provider ID: Delivering Provider
- Maternal Diagnosis Codes (for corrections to PDD)
- Maternal Procedure Codes (for corrections to PDD)
- Patient Height-Feet
- Patient Height-Inches
- Patient Pre-Pregnancy Weight

Newborn File

- MRN
- Date of Discharge
- 10 Minute Apgar Score
- Bloodstream Infection Present on Admission
- NICU Admission
- Exclusive Breast Milk Feeding
- Reason for Not Exclusively Breastfeeding
- Bilirubin Screen:
- Bilirubin Screen: Parental refusal to test
- Sample Flag for Joint Commission PC-05
- Sample Flag for Leapfrog Bilirubin Measure
- Newborn Diagnosis Codes
- Newborn Procedure Codes

Hospital choice: Number of supplemental files submitted, the choice of fields and the timing of the submission

Why Submit OPTIONAL Fields?

Optional fields may be derived from internal systems (e.g., EMR, core measure vendor system) and might be used to:

- Correct data already in the MDC system from your original file submissions
- Pre-populate the “chart-review” data elements (e.g., labor, SROM or Prior Uterine Surgery) in the MDC system.
- Additional metrics (e.g., OB hemorrhage, PC-05)

Data Submission Timing

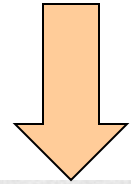
- Recommendation: Retrospective to January 2013 (Option to submit back to January 2011 if hospital chooses)
- Submit on monthly basis--45 days after the end of each reporting month
 - Wait at least 45 days to ensure coding is complete and all records are included in the submission!
- Submit complete set of records for each month based on discharge date

Data Submission Process

- Create “Test” Data file, including 2-3 months of data by 3/31/15
- All data submissions made via the MDC’s secure web-based tool housed on Stanford servers. (*FTP site planned for future*)
- MDC site requires hospital registration
- When test file ready, contact Anne Castles to initiate registration. Provide:
 - Contact information (including e-mail address) for *Primary MDC Administrator* for the hospital—the individual who will register the hospital and has the authority to add other hospital users.
 - Planned date of submission

Data Submission Process

- Data submitter to register in MDC and submit files



Kerry Medical Center Data Entry Status

Measures Period: Q1 2014

See your 2013 Leapfrog Results
in Leapfrog Survey Format

Safe Deliveries Roadmap Measures

Cesarean Section Rate-Nullip, Term, Singleton, Vertex (PC-02)	22.5%
Primary Term Singleton Vertex (TSV) CS Rate	16.9%
CS Rate for Term Inductions of Labor in Nulliparous Women > 39 Weeks	30.4%
ICU Admission Rate among all >=20wk deliveries	0.5%

View all 15 Safe Deliveries Roadmap Measures

View Delivery Logbook

Enter the date of delivery, admission, or discharge below

Data Submission Process

- Follow Steps for Uploading Files

Data Status						Upload Supplemental Data		
	Step 1 Upload Discharge Data		Step 2 Upload Core Maternal Clinical Data		Step 3 Upload Core Newborn Clinical Data		Step 4 Complete Chart Review Below	
	December '13	January '14	February '14	March '14	April '14			
Discharge Data	✓ <u>Complete</u>	✓ <u>Complete</u>	✓ <u>Complete</u>	✓ <u>Complete</u>				
Maternal Core Clinical Data	✓ <u>Complete</u>	✓ <u>Complete</u>	✓ <u>Complete</u>	✓ <u>Complete</u>				
Newborn Core Clinical Data	✓ <u>Complete</u>	✓ <u>Complete</u>	✓ <u>Complete</u>	✓ <u>Complete</u>				
Elective Delivery	✓ <u>Complete</u>	✓ <u>Complete</u>	✓ <u>Complete</u>	⚠ <u>Action Needed</u>				

Completeness Checks

■ Automated Error Checks

Examples:

- At least one discharge record in the first X days and one discharge record in the last X days of the month (X based on hospital delivery volume)
- All PDD records to include a principal diagnosis code
- Facility ID included (NPI)
- All required fields

■ Linkage Statistics

- Hospital encouraged to review once file processed

■ CMQCC Evaluation

- Evaluate for completeness and accuracy and notify hospital of next steps (i.e. fix specific issues or move forward with full data submission)

Measure Calculation

- Measures calculated automatically upon file submission.....provided that all data elements submitted

Measure Requirements	Examples
Patient Discharge Data (PDD)	Episiotomy Rate VBAC Rate
PDD <u>and</u> Core Clinical Data Sets	NTSV CS Rate Unexpected Newborn Complication Rate Primary TSV CS Rate
PDD <u>and</u> Core Clinical Data Sets <u>and</u> supplemented by chart review <u>or</u> supplemental clinical data	ED<39 Week Rate OB-Hemorrhage Rate

After Submission

- Once all retrospective data uploaded, CMQCC will schedule 1.5 hour webinar training session with each hospital team
- Quarterly User Group Meetings
- Technical Support upon request!

Participation Steps

What?	When?
Participation Agreement, BAA and Enrollment Fees <ul style="list-style-type: none"> ▪ Between Hospital, Q Corp and CMQCC ▪ Hospital enrollment fees paid to Q Corp 	Target: Available by Feb 2015 for execution by 3/31/15
Data File Creation <ul style="list-style-type: none"> ▪ Discharge Data File <ul style="list-style-type: none"> ○ Mimics what hospital already reports ▪ Maternal and Newborn Clinical Files <ul style="list-style-type: none"> ○ GA, Parity, Birthweight, Apgar Score 	Data specifications ready by February 2015
<ul style="list-style-type: none"> ▪ Webinar to review final Data Specifications ▪ Webinar to review registration, file upload steps 	<ul style="list-style-type: none"> • Last week of February • Latter half of March
Hospital Registration in MDC <ul style="list-style-type: none"> ▪ 5-minute process! 	Target: March 31, 2015
First Data Submission <ul style="list-style-type: none"> ▪ Start with 3 months of baseline data 	Target: March 31, 2015, rolling basis
CMQCC Training for your Hospital Team	Post data submission

Questions?

Next Steps

- Hospitals should e-mail Liz Whitworth, OMDC project manager at whitworth42@gmail.com to confirm participation.
- Provide hospital contacts (name/email) for:
 - Overall OMDC project contact
 - Data submission/IT
 - Legal agreements review/signature
 - Invoicing
- Reminder: All materials (*data specs, legal agreements, timelines*) will be available at:

<http://www.q-corp.org/maternity-care>
- Questions at any time? Liz Whitworth, OMDC project manager at whitworth42@gmail.com

Thank you!