



Welcome to our Sepsis Collaborative Closing Ceremony 2024!

Closing Ceremony Agenda

- Welcome
- Hospital team live presentations!
- Mentor panel
- Sustainability Pearls
- Questions & Answers
- Closing







Welcome

- 32 hospital participants
- 22 mentors hospital, community and patient
- 12 months
 - 5 webinars
 - 8 mentor meetings
- Look out for a survey in the next couple of weeks once you complete the survey, you will receive your certificate!





LIVE Presentations!

- Stanford TriValley Andrea Ofiana
- Hoag Caitlin Soyring
- Sutter Tracey Lissette Salas
- Eisenhower Judy Ankney
- Sutter Amador Jennifer Toraya
- Sutter leadership team Jeannette Navarro- Cantoria







Stanford TriValley – Video!









Implementing Care Discussions Pre-Discharge and Post Discharge- Sutter Tracy Community Hospital

A Care Discussion workflow was designed for patients experiencing a Severe Maternal Event. We began with defining criteria to determine which patients would have the Care-Discussion workflow initiated.

Then established the Who? What? Where? When? Why? and How?, allowing us to facilitate a meaningful discussion that would have the most impact for the patient and family experiencing a Severe Maternal Event.

WHY?

We shared with the team the importance of the Care Discussion to ensure nurses bought into this initiative. The nursing staff was all asked to watch Maile's story from Sepsis.org prior to training on how to facilitate a Care-Discussion.

Who? and When?

We established who will participate in Care Discussions Pre & Post Discharge.

Pre-discharge ideally includes Patient & support person, RN, OB Doc, and optional pediatrician & Social Worker.

The Care Discussion will occur- Morning of expected Discharge when OB Doc is rounding

Post-Discharge will be completed on Post-partum follow up call by Manager or designee.

What? and How?

The Pre-Discharge Care Discussion tool from CQMCC determines the format of the Care Discussion.

The "What to Say and What Not to Say" tool from CQMCC will determine how we facilitate the discussion.









Eisenhower Health

The Family Birth Center EPIC Workflow for Maternal Sepsis

California Maternal Quality Care Collaborative (CMQCC) Improvement Project

Veronica Williams: Director of Women's Services, Krystal Smith: Maternal/Newborn Manager,

Ursula Gainer: Nursing Professional Development Practitioner, Judy Ankney: RN Quality Outcome Analyst for Perinatal Services,

Dr. Paul Mike: OB Hospitalist Site Director and Dr. Jaime Tannenbaum: NICU Medical Director

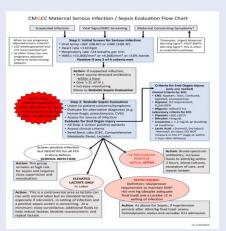
AIM: By August 30, 2024, 100% of pregnant women seen at Eisenhower Medical Center Family Birth Center OBED or admitted patients to LDRP will receive a 2-step approach to maternal sepsis screening

Evidenced Based Practice



- Sepsis occurs in about 0.04% of deliveries and is a leading cause of maternal death (12.7%)
- Most cases (63%) of maternal death from sepsis are likely to have been preventable
- For each maternal death from sepsis, there are 50 women who experience lifethreatening morbidity from sepsis
- Significant racial inequities related to maternal deaths from sepsis

Standardized Algorithm



This achievement is notable because of the collaboration between disciplines and how quickly our OB EPIC IS person was able to build and implement the Maternal Sepsis Screening tool.

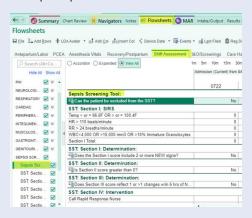
Key Steps to Success

- Bimonthly meetings with OB Team: Director of Women's Services, Maternal/Newborn Manager, Nursing Professional Development Practitioner and Perinatal Quality Analyst
- Early involvement of stakeholders in project
- EMC Hospital Sepsis Coordinator involved with project through implementation
- OB IS EPIC project builder was assigned to FBC and did not have competing department projects
- IS Ticket placed with OB EPIC person to include a Best Practice Alert (BPA) hard stop for Step One when 2 out of 4 criteria are met. This will notify RN to notify OB Hospitalist and call Rapid Response Team. Time Zero.
- Education provided to stakeholders on AIM and CMQCC Maternal Sepsis Algorithm
- Updated hospital wide Sepsis policy to include Maternal Sepsis

Clinical Education



- Nurses were educated through PPP, scheduled clinical skill days, Relias education module on Maternal Sepsis, and EPIC computer training on Maternal Sepsis screening tool
- Providers were given CMQCC's provider information from toolkit. OB hospitalist site Director reviewed information with team
- Community OB's, ED providers and residents were given CMQCC's provider information from toolkit
- Maternal Sepsis drill is scheduled to include rapid response and ICU critical care teams.



Sustainability



- Integrated Sustainability: The financial return on investment is a non-profit Integrated Strategy for Success and Sustainability that considers all the components of the project as a cohesive whole rather than singling out funding as the key to sustainability
- Sustainability meetings will be scheduled quarterly to review workflows and Maternal Sepsis Data





Resources:

Acosta, Kurinczuk, Lucas, et al. PLoS Med 2014 Buck, 2013

California Pregnancy-Associated Mortality Review Report from 2002-2007

Improving diagnosis and treatment of maternal sepsis. (2020). California Maternal Quality Care Collaborative (CMQCC). https://www.cmqcc.org/resources-toolkits/toolkits/improving-diagnosis-and treatment-maternal-sepsis

Hensley, Bauer, Admon, et al. JAMA 2019 Kendel et al. AJOG 2019

GET THE WORD OUT ABOUT **OB SEPSIS**

SUTTER AMADOR HOSPITAL OB SEPSIS COLLABORATIVE GROUP

Our team is proud of the work we have done to get the word out about OB Sepsis. With the use of the Urgent Maternal Warning Signs flyer and posters we have provided a visual reminder of what patients should be concerned about and when to seek help in pregnancy and postpartum. One of our goals was to display the UMWS posters in many different venues throughout our community.

Brainstorm Poster Locations perse

FBC Patient Rooms

ED Patient Rooms

Step

SMF Women's Center

SMF Pediatric Group

Public Health Amador and Calaveras

WIC office Amador and Calaveras

First 5 Amador and Calaveras County

*Advocacy Language printed on backside of UMWS handouts and Posters in FBC

*English & Spanish versions for our population

Identify Roles

1. Patients and their primary support

Share handout, review warning signs and when to seek help. Encourage scanning of QR code and exploring topics. Review use of Advocacy

2. Nurses: FBC. ED. OB & Peds Offices

Share with nurses OB Sepsis Warning Signs and current recommendations. Provide UMWS handout to patients: triage, NST's, admits

3. OB Providers

Share current OB Sepsis Recommendations and bring awareness to UMWS posters/flyers

How Are We Doing?

Rounding back with OB office, Community groups, ED to see how it's going, answer questions, provide further assistance.

Audits of charts: Evaluating utilization of UMWS handout.

Added "Handouts Given" to our Labor Precautions smart phrase as a reminder for nurses to review handout with patients.

Keep at it

3

Ste

until it's habit!





Sepsis Algorithm Puzzle and Scavenger Hunt



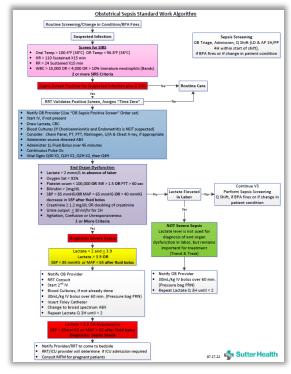


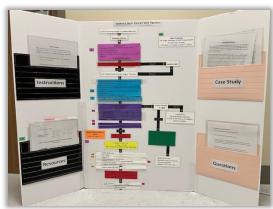
Methods

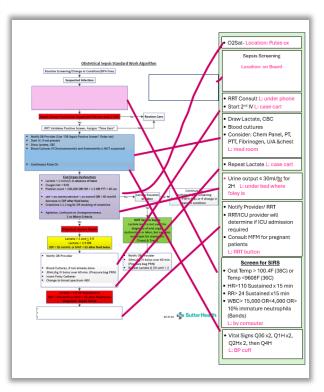
- Case study
- Questions for study guide participants search for hidden sections
- Participants rebuild algorithm

OB Sepsis Case Study Questions

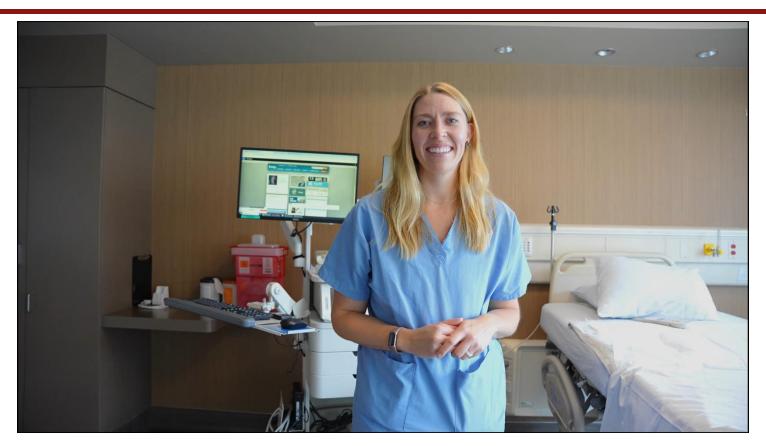
- 1. How often should the sepsis screen be assessed?
- 2. What is included in the sepsis screen at CPMC?
- When calling the OB, what key elements would the labor RN use in her
 SBAR to the OB? Based on CPMC's OB Sepsis Positive Screen, what should
 the labor RN recommend to the OB?
- 4. Once it has been identified that there is a positive sepsis screen, treatment should begin within 60 minutes. How would assessment frequency change?
- 5. How would you calculate Stacy's MAP of a BP of 88/40? 3 hours after Time-Zero at 2008, what are further indications of end organ dysfunction via Stacy's decompensation? --2 answers
- 6. How does your labor workflow adjust once Stacy meets criteria for Severe Sepsis? -- 3 answers
- 7. While in the OR, the lab calls with a critical 3hr Lactate value of 8.6. Stacy has persistent hypotension despite continuing a rapidly administered IV fluid bolus at 30ml/kg. Stacy is now bleeding profusely and is difficult to arouse. How do you, the labor RN, respond? 3 answers







Hoag – Video!









Mentor Panel

- Kairis Chiaji
- Leah Bahrencu
- Ryan Hansen
- Questions
 - What was the most encouraging takeaway about your experience participating in the collaborative?
 - What did you learn about how hospital collaboratives work that you didn't know before?
 - What was a challenge you didn't anticipate participating in the collaborative?
 - Was there anything you were able to apply or implement from collaborative to your own work?











Using Data to Sustain Patient Safety Bundle Implementation

Christa Sakowski, MSN, RN, C-ONQS, C-EFM



Sustainability is:



When processes or improved outcomes last within an organization after an implementation has occurred



An improvement that has become part of the organizational culture and has been maintained regardless of workforce turnover

AHRQ. (March 2017). Module 6. Sustainability: Facilitator notes. Retrieved on February 5, 2024, from https://www.ahrq.gov/hai/quality/tools/cauti-ltc/modules/implementation/long-term-modules/module6/mod6-

facguide.html#:~:text=To%20summarize%2C%20sustainability%20occurs%20when%20processes%20or%20improved,turnover%20is%20an%20example%20of%20a%20sustained%20improvement.

The Work is Never "Done"

Make a plan for review of:

Outcome Measures

- Quarterly
- Biannually

Structure Measures

Annually

Process Measures – Charts, policies, forms, education, etc.



The plan should be shared with the team so that it is clear that this work remains a priority for the organization.







Outcome Measures

How often will you formally monitor adherence to the target goal?

- Who is responsible for this?
- Who is the rate reported to/shared with?
- How is the rate shared?
 - Quality Board
 - Formal report
 - Dashboard

What triggers action?

- Noted variation
- Rate not meeting target
 - For what duration?



Image by pch.vector on Freepik

Outcome Measures by Race/Ethnicity

- Look at data by race and ethnicity for additional action items
 - Have the interventions implemented benefitted ALL patients?



Structure Measures

Structure Measure data can be overlooked

- Assessment of structure measures can address a break in the system before a reflection in rates
 - Alert systems, supplies, patient education materials, etc.

Electronic Health Record (EHR)

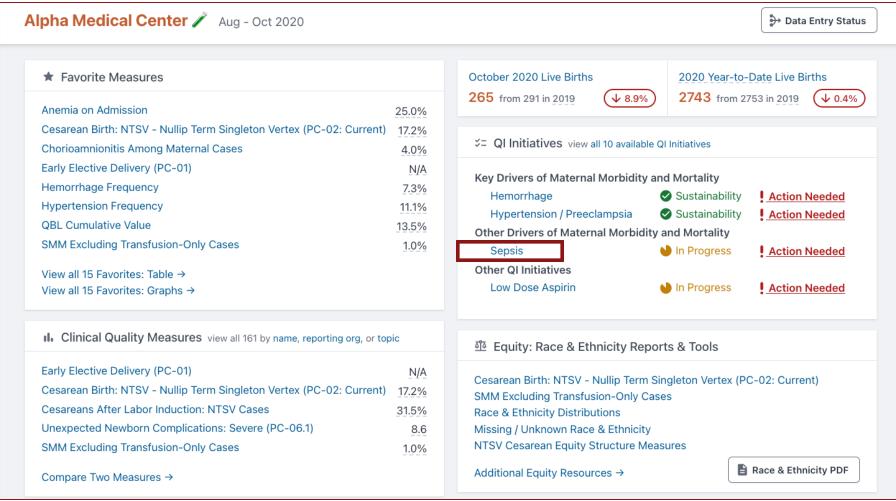
- Often updating the EHR during the active phase of implementation is a challenge
- What can be added to reinforce changes made or processes created during implementation?
 - Order sets
 - Documentation
 - Patient Education
 - Chart review/audit capabilities replace paper forms or manual spreadsheets







MDC Sepsis QI Initiative



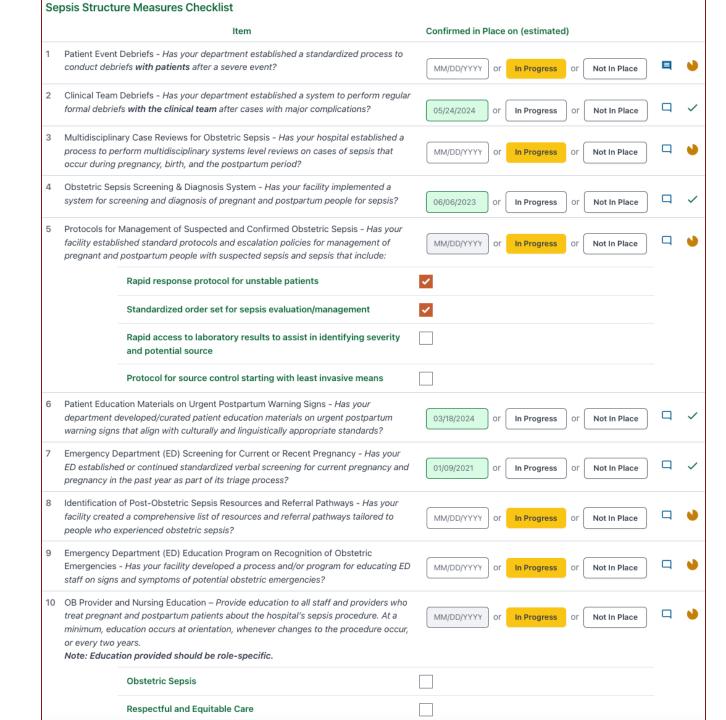




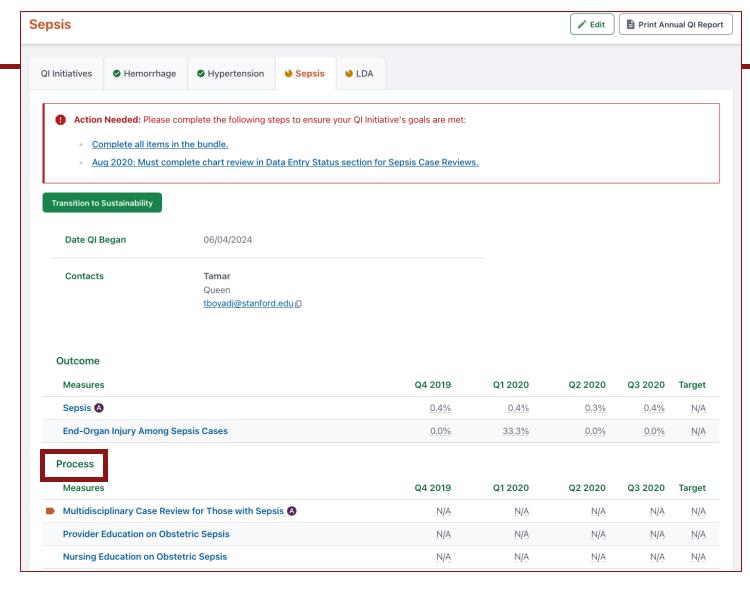


Sepsis Structure Measures Checklist

- 10 Structure Measures
- Used to track implementation progress
- Reaffirmed annually for sustainability



Process Measures

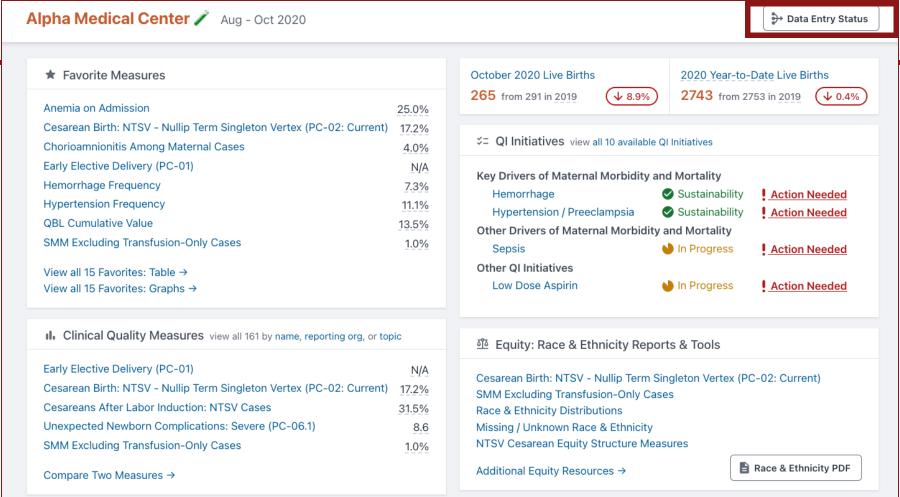


- Multidisciplinary Case Review for Those with Sepsis
- Provider Education on Obstetric Sepsis
- Nursing Education on Obstetric Sepsis





Documenting Process Measures in the MDC









Documenting Process Measures in the MDC: Case Reviews

NTSV Labor Arrest / CPD: Bundle Consistency		✓ Complete	✓ Complete	✓ Complete
Non-Medically Indicated Inductions	△ Action Needed	✓ Complete	✓ Complete	✓ Complete
Postpartum Discharge Transition: Monthly	△ Action Needed	△ Action Needed	△ Action Needed	△ Action Needed
Prenatal Care Group	△ Action Needed	△ Action Needed	△ Action Needed	△ Action Needed
SMM Case Reviews		⚠ Action Needed	△ Action Needed	✓ Complete
Timely Treatment for Severe Hypertension	✓ Complete	✓ Complete	✓ Complete	✓ Complete
Transfusions: All RBC Transfusions	✓ Complete	✓ Complete	✓ Complete	△ Action Needed

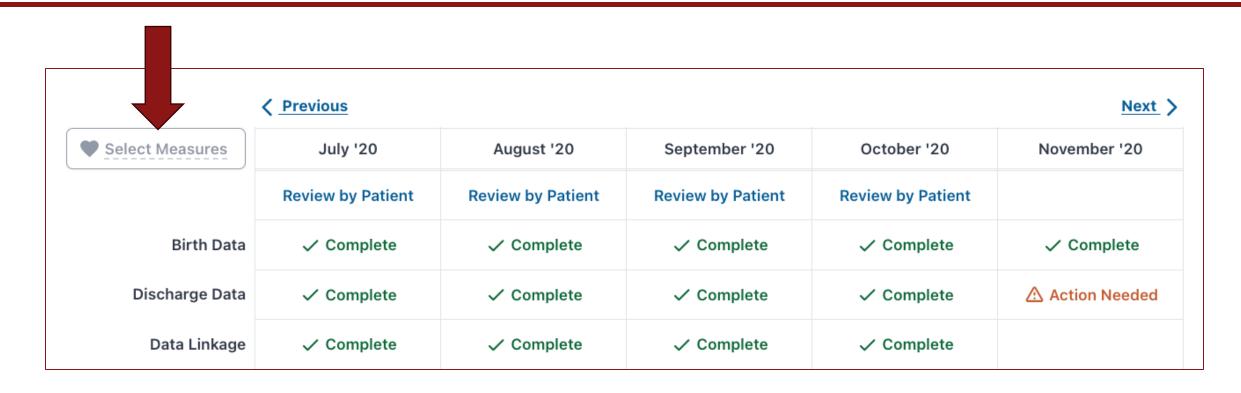
MDC Support: SMM Case Review Guidance







Documenting Process Measures in the MDC: Sepsis Education









IAI/Chorioamnionitis: Updated ABX Recommendations

- AMP/GEN/CLIN has been the mainstay since the 1980's... (ACOG)
 - Concerns with rising resistance, administration complexity of 3 drugs
- The most important treatment of IAI is "source control" (ie delivery) making it hard to show one ABX regimen is better than another
- But there are new options with data that are of significant interest
- Fabulous expert panel:
 - Kathleen Andonian, PharmD, Sharp Mary Birch (Pharmacy-ID and OB)
 - Lauren Puckett, Pharm D, Lucille Packard-Stanford (Pharmacy-ID and OB)
 - Casey Smiley, MD, Vanderbilt (Infectious Disease specialty with focus on OB)
 - Neil Silverman, MD, UCLA (MFM with Infectious Disease training)
- New recommendations before the end of the year!







Q&A Session







In Closing

- Look forward to a follow-up meeting in 6 months!
- Look out for a survey in the next couple of weeks once you complete the survey, you will receive your certificate!





