QUALITY IMPROVEMENT TOOLS FOR EPIC USERS

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Disclosures

• I will be discussing one commercially-available electronic medical record (EMR) product (Epic). Discussion of this product does not represent an endorsement.

• I have a Physician Builder certificate through Epic and use this to augment my quality improvement work. I have no present or past financial or contractual connection to this company.

• If able, please open Epic on your computers.
  • Follow along and share what you find!

• I do not claim expertise. Comments/suggestions welcome!
Privacy

• Kindly ask for no recording or screening capture during this presentation.

• Slides will be shared at the conclusion.
'Typical' bundle implementation process

Multidisciplinary QI team creates amazing new workflow

Lit review, pathway creation
Stakeholders engaged (providers, nursing, pharmacies)
Education/rollout plan created
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Information Technology
What comes out isn’t exactly what you expected
Key points

• SlicerDicer is a great tool for data

• Help to know available tools and/or “what’s possible”

• Use of EHR tools should be like any other QI process.
  • Continue to use PDSA cycles

• EHR is one of many QI/PI tools, albeit an important one.
  • Don't shortcut the other stuff.

• Steal (borrow) shamelessly, share seamlessly
Virtual Visits and EMTALA

Anna Robinson • Informatics Nurse • HonorHealth
Stork-Inpatient

All- does anyone use facetime or team meetings to augment visits for patients who are not in labor but need to be seen in OB triage? If you do use something like this does it meet EMTALA requirements? We have a small hospital with a small group of doctors and are trying to assist them to not have to come in to the facility to see patients that could be dealt with over the phone or via a video visit. These doctors have access to EPIC from home so they would be able to put in orders and document findings they just would prefer to not have to come in at 3am for a patient with a UTI.

Thanks,
Anna Robinson
Community Library

The Community Library is Epic's tool for sharing custom user-created content. SmartTexts, SmartSets, Flowsheets, Hyperspace Reports, SmartForms, BPAs, Questionnaires, and other miscellaneous content are available to view. Currently, 436 organizations are sharing their content. Select a content type above and enter a search query above to find what you need.

Learn more about using the Community Library effectively.

Enhancement Ideas

What improvements would you most like to see to the Community Library? We're always making updates and ideas for anything from small interface improvements to completely new features are always appreciated. Use the feedback link below to contact the Community Library team.

Most recent updates
DaVita Corporation (04/25/2022)
Rush University Medical Center (04/21/2022)
Mohawk Valley Health System (04/18/2022)
Mercy Health Services (MD) (04/15/2022)
Memorial Health Services (MemorialCare) (04/14/2022)

Your organization's updates
North Memorial Health (12/15/2021)
Community Library

 SYS ANTIHYPERTENSIVE MEDICATIONS, OBSTETRICS
 North Memorial Health (Epic May 2021) • SmartSet/Order Set • 2 views

Expand all SmartGroups

Notifications

- This order set may be used in conjunction with the Preeclampsia Order Sets (pre & post delivery)
  - Notify Physician
  - If 2 doses of hydralazine (Apresoline) given
  - Notify Physician
  - If 3 doses of IV labetalol given
  - Notify Physician
  - If labetalol withheld due to Hct less than 60

Vital Signs

- Vital Signs for Anti-Hypertensive OB

  For confirmed severe range pressures, monitor BP every 10 minutes until BP has been at goal (140-150/90-100) or BP less than 160/110 for 1 hour, then every 15 minutes for 1 hour, then every 30 minutes for 1 hour, then hourly for 4 hours, then every 4 hours.
  - If Hydralazine or labetalol given:

    Continuous SaO2 monitoring for heart rate and oxygen level. Follow vital sign parameters per medication.
Improving Maternal Health with Epic

Safeguarding maternal health means reducing risks throughout pregnancy, during labor and delivery, and during the postpartum and interpartum periods. How you plan your strategy for implementing the available tools depends on your organization and your patient population.

At the heart of our maternal safety initiative are our Maternal Safety Bundles, which each address a specific area:

- Hemorrhage
- Reduce C-Sections
- Postpartum Care
- Mental Health
- Cardiovascular Disease
- Preeclampsia and Hypertension
- Venous Thromboembolism
- Sepsis and Infection
- Tobacco and Substance Use
- Reduce Racial, Ethnic, and Other Disparities

Epic also provides General Maternal Health and Safety tools provide a foundation for using Epic to improve care with support for communication, care coordination, and patient empowerment. You can use our reporting tools to Assess Needs and Track Quality Improvement to better understand your specific patient population and determine a strategy for areas you want to address.

Check out the Community Resources for stories from Epic Community Members.

galaxy.epic.com
Galaxy

Preeclampsia and Hypertension

Clinicians can monitor higher-risk patients who aren't in the hospital, track symptoms, and respond quickly when they are alerted that a patient might have preeclampsia.

Use the Preeclampsia and Hypertension Bundle Sherlock checklist to implement this entire bundle in one project!

Reporting

Track your progress using Foundation System Reporting Workbench report 9960-OB My Patients with Hypertension/Preeclampsia—Past 2 Months.

Starting in May 2020, a suite of hypertension metrics tracks patients with elevated blood pressures and clinicians’ responses, including rates of re-checking a patient’s blood pressure after an initial elevated reading, and how long it takes to deliver medication when indicated. These metrics appear automatically on dashboards 59001-OB Provider Metrics and 59002-OB Nurse Manager Metrics.

Monitor Patients’ Blood Pressure from Home

Send patients diagnosed with hypertension home with a blood pressure cuff so they can share their blood pressure readings with providers without taking a trip to the clinic. Telemonitoring of hypertension in pregnant patients has been shown to increase patient engagement and satisfaction with their care and reduce anxiety, especially when combined with digital education and symptom checklist tools.

A MyChart Care Companion care plan for gestational hypertension and preeclampsia risk is available in the Foundation System. Refer to release note 732223-Home Monitoring for Gestational Diabetes, Hypertension, and Preeclampsia Risk for more information.

Sources


HTN reporting:
EMR Dashboard comparison with NMH build

Credit: Katelyn Kruse and Alex Drake
Discussion

• What are others' experiences with SlicerDicer and/or available tools in Epic?

• What does IT partnership look like in your facilities?
THANK YOU!

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