Dr. Pawan Goyal, MD, MHA, PMP, MS Steve Hasley, MD Kenneth S. Rubin

Dhruv B. Sharma, MS

Reducing HIT Burden & Improving Outcomes

Susan B. Promes, MD, MBA, Sigrid A. Hahn, MD, MPH Alexis LaPietra, DO

Reuben J. Strayer, MD

American College of

Emergency Physicians®

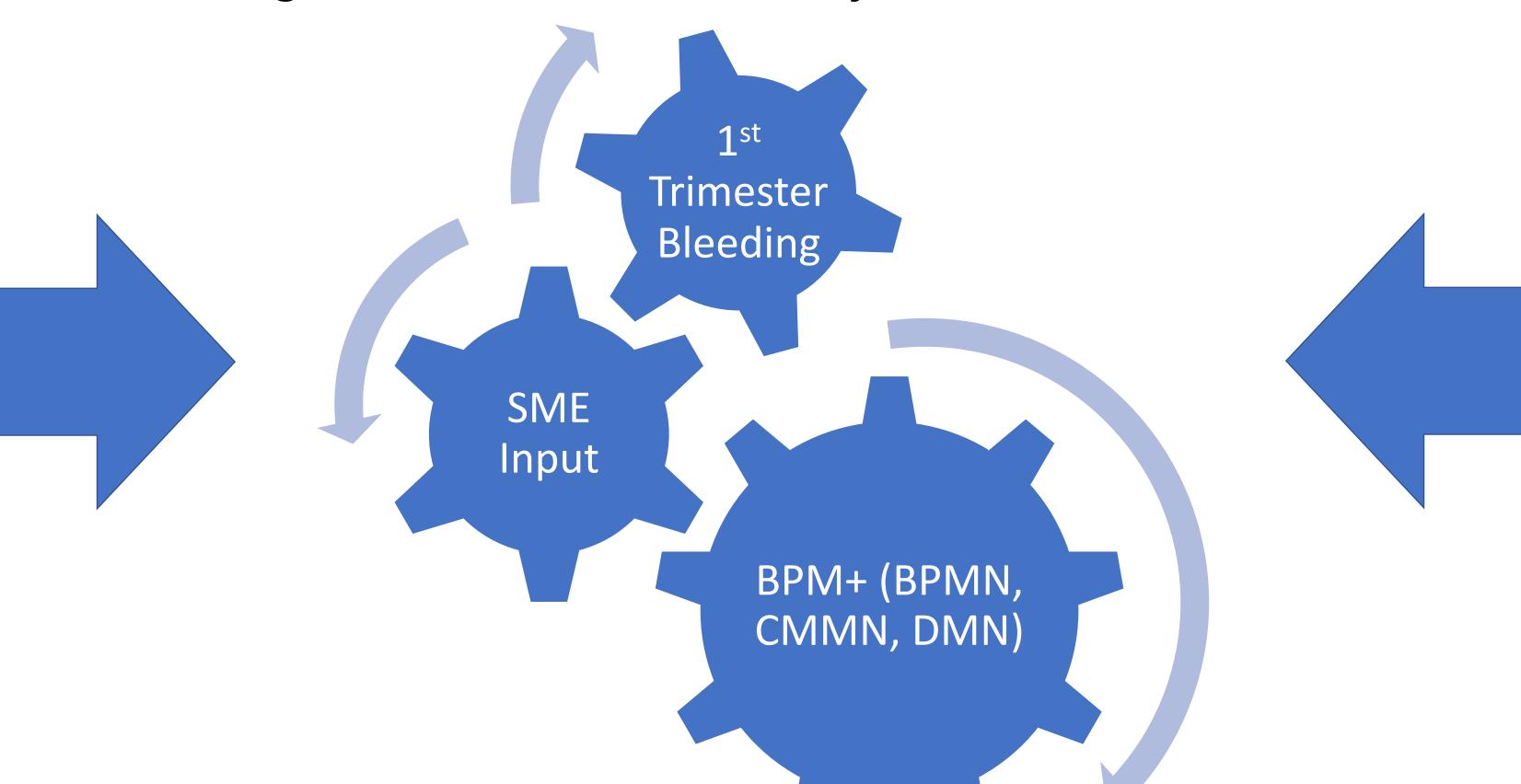
ACEP Mission

The American College of Emergency Physicians promotes the highest quality of emergency care and is the leading advocate for emergency physicians, their patients, and the public.

Physician Burden

- ED Patients: New, unscheduled & often
- Variable patterns of care in the ED
- Data Discovery Burden (past meds, PMH)
- Hospital EHRs: Poor workflow designs





ACOG Mission

The American College of Obstetricians and Gynecologists is a membership organization dedicated to the advancement of women's health care and the professional and socioeconomic interests of its members through continuing medical education, practice, research, and advocacy.

Current Challenges

- Outcomes less than ideal
- Care is complicated & with a 17-year gap
- Siloed Data
- EHRs are a huge source of physician burden
- Declining Fee-for-Service Compensation

Business Process Management Plus (BPM+) An Ideal Model

• 3-in-1:

- BPMN: Business Process Model and Notation
- CMMN: Case Management Model and Notation
- DMN: Decision Model and Notation
- Human & machine readable
- Broad, cross-specialty appeal
- Defined scope (e.g. clear inclusion/exclusion logic, I/O)
- Market viability
- Encompass existing best practices & policies
- Scalability (broad availability for various clinicians)

1st Trimester Bleeding Protocol Exam of the abdome Get POC qualitative pregnancy test Possible false negative Labs for First trimester bleeding Get POC Qantitative HCG BHCG Obtain CBC Determine LMI conception Consider I\

tttPelvicUSresults "IUP, viable", "IUP viability sac or fetus' regnancy", "Other source of Heterotopic pregnancy" abdominal bleeding "Ectopic, ruptured", "Ectop elements(?, ["Empty fluid","Adnexal Mass"]) ruptured","Pregnancy of

Differential Diagnosis Calculator

Key Take-Aways

- Challenge Reconcile differences in specialty objectives (OB v. EM)
- Solution:
 - Certain protocols should not have finite ends or conclusions
 - Use DMN to help build in a calculator for differential diagnoses
- Cross-specialty functionality is possible

Next Steps

- Develop 'patient is unstable' arm of the protocol
- New protocols:
- Alternative to Opioid in Low Back Pain (in development)
- Diabetic Control

Call to Action

- Build more protocols
 - Specific to established guidelines
 - Choose areas with cross-specialty appeal
- Directly involve physicians in your specialty