Reducing HIT Burden & Improving Outcomes

Building Evidence-Based, Policy-Driven EMR Protocols

1st Trimester Bleeding

SME Input

BPM+ (BPMN, CMMN, DMN)

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)

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

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.

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.

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

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

BPMN

DMN

1st Trimester Bleeding Protocol

Differential Diagnosis Calculator

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