

**Disclosures** 

Consultant for Arcos, Inc.

There was no external funding

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### **Background**

- Phoenix Children's • Some patients may benefit from IR embolization
- Infrequent event, high mortality potential
- · Many process steps
- $\bullet$  ACS (old) requirement for 30 min to needle

## Aim

- · Identify and refine process steps
- Improve patient care through timely intervention
- Meet ACS requirement without onerous requirements for call

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## How it all began...



- 9y M, MVC, rear restrained lap belt passenger, 30 inches of intrusion and all airbags deployed, death of 10yo brother.
- EMS unbuckled patient, no known LOC, combative and anxious en route, Level 2 activation, arrived at trauma bay screaming
- HR 110-130, BP 110/60, RR 30
- CT Head R orbit, maxillary fractures; middle cranial fossa hematoma; retroclival hematoma
- New bloody emesis
- CT A/P...

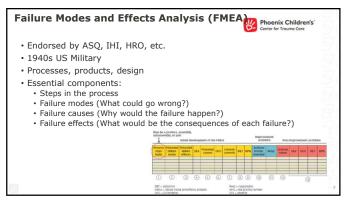


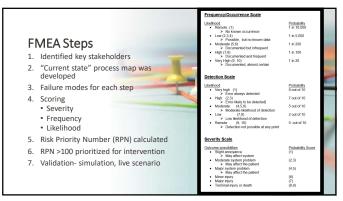
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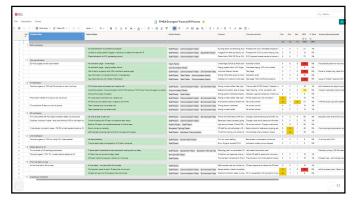


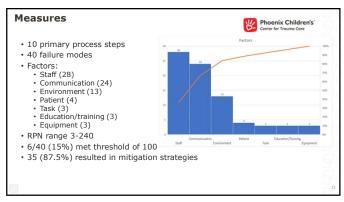


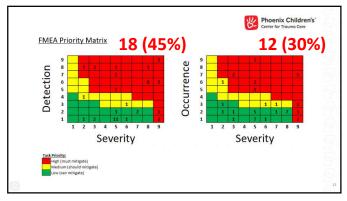


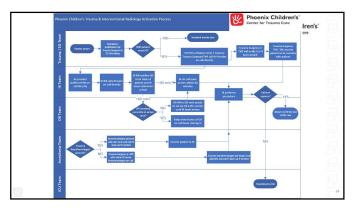




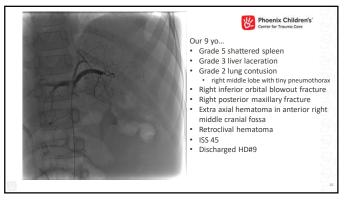
















# Background

- Division-level Protected Case Review (PCR) is critical component of hospital performance improvement (PI)
- Need to capture physician-reported events
- Facilitate expert review by division quality leads
- Identify and document Opportunities for Improvement (OFI), action plans, documentation
- Previous efforts have not met this requirement



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# Specific Aim

- Develop a novel PCR event review system...
  - Maintains patient and provider confidentiality
  - Facilitates reliable PCR conference discussion, capture action plans
  - Includes stakeholders
  - Electronic with easy user interface
  - Cost effective
  - Improves capture of events and all subsequent PI activities



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# Phase 1:

- Development and validation of system
- Single surgical division

#### Phase 2

- One year (CY2022)
- Five additional surgical divisions
- Confidential
- Specific criteria
- Event review details
- Automated referral to additional division PCRs
- Provider comments on case



