Healthcare Organization Commitment

Contact Details

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Commitment Details

Commitment Name
Challenge 3D-Preventing Newborn and Pediatric Adverse Drug Events

What Patient Safety Challenge does your Commitment address?
Challenge 3D - Pediatric adverse drug events

Commitment Start Date
01/01/2018

How Many Hospitals Will This Commitment Represent
**Action Plan**

Newborn and Pediatric adverse drug events and medication errors are reviewed monthly with a multi-disciplinary team. Aim is to decrease preventable errors and ADEs. Actions underway include:  
- The SQIS Incident Reporting system is utilized to report ADEs for analysis, trending and performance improvement  
- eMAR and barcoding for medication administration has been implemented  
- Standardized order sets are established which include pharmaceutical administration  
- CPOE has long been in place at UC Irvine Health; mechanisms for medication reconciliation, allergy checking, interaction and dose range checking with alerts exist in Epic  
- Pharmacist rounding, including double-check processes has been implemented for newborn and pediatric patients  
- Nurses review the MAR during their standardized hand-off process  
- Smart drug infusion pumps are utilized, with drug libraries appropriate to the population served  
- The EMR provides support for weight-based prescribing, compounding dispensing and administration, although further refinement would be beneficial in this area.

**Commitment Timeline**

Actions are underway and will be implemented throughout 2018.

**Impact Details**

- **Lives Lost in Last Calendar Year**
  0

- **How many lives do you expect to spare from harm in the next calendar year?**
  0

- **How many lives do you expect to save in the next calendar year?**
  0

**Methodology for Determining Lives Saved**

See APSS #1 for calculation of lives saved.