Healthcare Organization Commitment

Contact Details

**Name**
WILLIAM WILSON

**Phone**
714-456-6844

**Email**
wcw@uci.edu

**Position**
Chief Medical Officer

**Organization Name**
UCI Health

**Organization Address**
101 The City Drive
Orange, CA 92868
US

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**

<table>
<thead>
<tr>
<th>Lives Lost in Last Calendar Year</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>How many lives do you expect to spare from harm in the next calendar year?</td>
<td>0</td>
</tr>
<tr>
<td>How many lives do you expect to save in the next calendar year?</td>
<td>0</td>
</tr>
</tbody>
</table>

**Methodology for Determining Lives Saved**

See APSS #1 for calculation of lives saved.