

Appendix B: NCAL Medical Center Reports



Modes to Medical Center Simulation Lab

Background

Modesto Medical Center's (MMC) simulation lab's inception began with the announcement that MMC would be receiving a complete Sim Family. Leadership began looking for space and formed a steering committee to address the logistics involved with housing and maintaining the technology coming to MMC. The committee consisted of representatives from Education, IT, EVS, Materials Management, Administration, Engineering, and Clinical Technologies. Once space was identified, committee members worked diligently to ensure it was prepared and ready when the mannequins arrived in September of 2009. The MMC simulation lab is located in an area formerly occupied by Ambulatory Surgery, which meant it already had separate patient bays, medical gases, sinks, sharps containers, etc. Two procedure rooms have been converted as control rooms for the lab. In addition, there is a large open area with theater seating and a screen for didactic instruction.

Objective/Goals

The simulation lab activities are aimed at improving both individual and team skills, communication and individual technical skills.

MMS's goal is to continue to create new learning opportunities for staff and providers and promote best practices based on facility and community needs. Ultimately, the goal is to use evidenced based practice to improve outcomes for our members and their families.

Approach

The simulation center is used for many different modalities. The large theater seating area can be used for presentations on simulation related topics such as Human Factors and Critical Events Team Training. This area is also used for skills validation and Patient Care Services Orientation. The presence of an OR suite, allows this area to be used for perioperative simulations and scenarios involving, for example, a maternal hemorrhage resulting in a hysterectomy.

Status

Sim Man 3G provides the opportunity to enhance staff skills related to chemotherapy infusions, reactions, and spills, narcotic overdose, sepsis, and Code Blue. Sim Baby and Megacode Kid have "experienced" respiratory distress, Code Blue Pedi, cardiogenic shock, and diabetic ketoacidosis. Sim NewB has provided multidisciplinary team training opportunities for cardiopulmonary resuscitation, meconium aspiration, and hypovolemia secondary to placental abruption. Sim NewB has also been use in conjunction with Risk Management to reconstruct a clinical event that did not result in an optimal outcome to allow us to examine our processes and systems issues to prevent recurrence.

Future

The simulation lab is used on a weekly basis for skills days as well as multidisciplinary neonatal / pediatric training. The simulation lab and mannequins have been enthusiastically embraced by everyone they've touched. MMC plans to continue to expand simulation trainings across all disciplines.