Patient-centered care focuses on effective and efficient medical care in both hospital and clinical settings. Healthcare cost continues to be important, much of the cost comes from medical errors that could have been avoided. Residents in training are among those who contribute to avoidable medical errors. We strive to produce competent and confident physicians at USD by offering quality and comprehensive education opportunities. Simulation Education allows students to learn real medical practices in a safe environment. Errors addressed in the Simulation lab can be discussed and corrected prior to an occurrence in the hospital or clinic.

### Project Description

- Survey interns, residents, and attending physicians to pinpoint areas where training has been inadequate in the past.
- Based on survey results, design 3 pilot events at the Parry Center for current medical students.
- Review feedback and literature, restructuring event details to ensure a quality learning experience.
- Design a 1-2 week elective course available to fourth year medical students.

**Potential course topics:**
- Obtaining a patient history
- Case presentation
- Medical documentation
- Writing prescriptions
- Understanding vital signs
- Proper sterile technique
- IV cannulation
- Phlebotomy
- Intubation
- Bladder catheterization

### Outcomes

- Work with medical education team to implement elective course, effective in fall of 2015.
- Course plans make full use of Parry Center’s clinical exam rooms, high-fidelity simulation labs, and debriefing equipment.
- Curriculum will consist of simulation and standardized patient interviews combined with interactive review and discussion of events.
- Digital recording will allow for full debriefing sessions.

This course will remain integrated into the medical school curriculum so that the next generation of South Dakota medical students can benefit from simulation education.

### Conclusions and Next Steps

- Students will be encouraged to challenge themselves with clinical skills and patient interaction in the safety of a simulation setting offered through the Parry Center.
- Once the course is implemented, participating students will be surveyed before and after the course to monitor competency and confidence changes.
- Possible multidisciplinary team involvement during simulation events to closely mimic a hospital and/or clinic setting.

### References


### Students participate in a debriefing session at the Parry Center.

Multidisciplinary team of students work as a team during a simulation scenario involving a cardiac arrest. Events are video recorded so that students may review and discuss as a group.

High-fidelity “Sim-Man” during a student education event at the Parry Center.