

INTRODUCTION

WISER is a 16,000 sq. ft. state-of-the-art simulation training and research facility serving the University of Pittsburgh School of Health Sciences, Undergraduate programs and 19 hospitals at the University of Pittsburgh Medical Center (UPMC). WISER was asked to expand services to UPMC and the University by supplying simulation based training to, not only the WISER main campus, but also to offer services to the remaining hospitals in the system as well as the schools of health care.

When expanding services to UPMC and the University, WISER was asked to create a model for the distribution of simulation based training. This model would address the key issues of simulation based training at multiple locations within a single organization. The lack of consolidation of existing simulation programs and centralized support and delivery mechanism were the primary drivers for the creation of a hub and spoke delivery model. Standardization of curriculum development and data collection were recommended. WISER's support and delivery model were implemented at locations throughout the health system.

METHODS

WISER worked with health system and university leadership to identify existing simulation efforts. We performed multiple site analysis to determine final locations. Site surveys and stakeholder data were collected. WISER provided expertise throughout the construction and implementation of each facility and worked with leadership to identify a simulation champion that would become the site director at each.



METHODS

WISER held training session for: Site Directors, Course Directors and Instructors. Course creation and scheduling would be done through Simulation Information Management System (SIMS) software.

Simulation Specialists from WISER would be deployed daily to:

- Help with the operation of courses
- Maintenance of equipment
- Course creation
- Scenario programming
- Instructor training
- IT Support

A yearly management fee was established, allowing WISER to hire additional support staff.

RESULTS

As a result of our analysis and implementation, simulation based training has now been centralized within the health system and university. WISER now functions as a delivery model for all system wide simulation-based training initiatives.

A centralized, web-based, course reservation and registration system enables staff to coordinate support and equipment. Students and instructors can register for a course at multiple facilities.

WISER has designed six satellite simulation centers within the university and health system settings. These centers consist of community based hospitals, a pediatric hospital and a school of nursing.

Facility utilization data was analyzed from academic year 09/10. The Children's Hospital site increased its utilization by 47% in the second 6 months of the year. This site averaged 32 hours of simulation per month, with a high of 62.25 hours in May.