Immersion Simulation: Training for Workers in Oil and Gas and Healthcare Professions

Stephanie Roberts MSN MBA RN
Mississippi Gulf Coast Community College
Healthcare Simulation Center Director
Disclosures

• Stephanie Roberts: No financial disclosures that would be a potential conflict of interest with this presentation.
OBJECTIVES

- Discuss how simulation can be used to bridge the gap between different professions.
- Describe the implementation of the Gulf Research Program ISIM Grant and MGCCC development of the simulation.
- Increase knowledge related to how simulation can be used to bridge the gap between different professions.
- Discuss how we can implement simulation in other professions besides healthcare and brainstorm ideas.
• Project Summary
  • Background
  • Process
  • Methodology
  • Results
  • Findings & Conclusions
  • Questions
• Bridge communication & teamwork between Oil/Gas and Healthcare.

• Determine if team training in a simulated-base environment is effective to bridge professional gaps.
Background

• First exploratory pilot project of its kind.

• New and innovative approaches of training for middle skilled workers in oil/gas and health professions.
Process

• Search and review of industry-based certifications.

• Curriculum Developed
  – Core Competencies
  – Best Practices
  – Emergent/Safety Environments

• Project Length- 1 year

• Qualitative and Quantitative Evaluations
Methodology

- Pre-Questionnaires
- Participant Evaluations
- Instructor Evaluations
- Pre-Assessment Teamwork
- Post-Assessment Teamwork

Plan → Data Collection → Characterization → Analysis → System Engagements → Report
Results
Smaller group sizes
- Eliminates “Downtime”

More industry specific equipment available

Make materials available prior to training
Conclusion

• Positive attitudes and experiences with training

• Training is essential for sustainability of life

• Interdisciplinary training helps bridge communication and knowledge gaps
Questions
References


