INCEPTIONXR

Transform Infection Prevention and Control competency with evidence-based VR simulation

"practice makes perfect" is no less true in healthcare than any other human activity*

*Inspired by bibliography of academic research behind RQI approach

Hospital Associated Infections: A global challenge

Healthcare-associated infections (HAIs) are a major cause of death and financial burden worldwide. They impact patient care and cost hospitals billions in fines, penalties, extended stays, and readmissions.

The CDC has initiated Project FirstLine to provide innovative and accessible infection control education for all frontline healthcare workers. As part of the project Emory University, Relias and InceptionXR have partnered to develop cutting edge Infection Prevention and Control (IPC) VR education programs, leveraging immersive learning to reinforce and retain IPC competency.

Continuous assessment and reinforcement of IPC practices

Specific skills become natural, when repeated until mastery is built. Therefore, there is a clear need for frequent assessment and reinforcement of IPC protocols and knowledge. As such, this unique IPC VR program is implementing knowledge retention best practices and adult learning principles: Assessing, training, applying, and reassessing skills.

Achieving high IPC competency levels with VR

Ensuring IPC competency given current nurse workforce issues remains one of healthcare's biggest challenges.

VR simulation can help drive consistency in IPC approaches across units, hospitals, and states, enabling the frequent practice of protocol-based scenarios combined with real-time feedback.

This creates an efficient, scalable and highly effective training program that can help hospitals' better meet regulatory and compliance requirements.

A fresh approach to driving consistent IPC practices over time – adopting learnings from RQI approach

Best-practice methodologies

- Applies adult learning principles with highly relevant "hands-on" scenarios that are applicable to nurses' real-world environments
- Objective scoring more reliable than human observers or student self-assessment

Low dose, high-frequency

- Literature demonstrates improved learning from frequent low dose vs comprehensive all at once
- Quarterly training cycles with 15-30 minutes sessions, maximizing retention and competency levels

Designed for nurses

- Convenience - a convenient VR training cart that can move from unit to unit, enabling time efficiencies and short sessions
- Preference for on-going vs one-off instructor led learning

One off training is not enough

- Competency levels more than doubled (26-65%) when nurses were retrained 3 times over 6 months

Use VR simulation to safely practice 8 scenarios with growing complexity around IPC practices

- ✓ Each scenario involves two common medical procedures
- ✓ Scenarios for both adult patients and pediatrics
- ✓ Deep analytics and integration with 3rd party LMS
- ✓ Training, assessment and analytics
- ✓ Realistic interruptions resulting in cognitive burden
- ✓ Additional scenarios are added regularly
- ✓ Scoring and a personalized feedback around levels of cross contamination and IPC protocols

Better IPC training and measurement can deliver tangible benefits across the board

Reduced HAIs implications and deaths

Reduced HAIs related fines, penalties and readmissions

Improved hospital star rating and performance measures

Reduced cost of nurse turnover

Early feedback is highly positive

"This is the innovative approach that can make a difference in IPC competency"
IPC lead, major city hospital

"The training helps nurses practice IPC practices, highlighting opportunites for improvement, and getting better IPC results, consistently".
CNO University hospital

"The assessment sharpens the leaning experience and success is measured by competency and not just by mere attendance; it's refreshing"
Nurse, University hospital

World experts working together to develop next generation IPC training

PROJECT FIRSTLINE

INCEPTIONXR

RELIAS

INCEPTIONXR

A world leader in immersive learning technologies
For more information go to: www.ipcxr.com