

Jump IHA

A Jump Simulation Case Study

THE OPPORTUNITY

Health care systems face significant challenges to improve the level of care patients receive with limited provider availability, organization capacity and technological capabilities. While many facilities can identify opportunities for improvement, they may lack the resources of a dedicated simulation center to create immersive experiences and specialized learning materials to provide clinical staff with risk awareness and education that targets improving patient outcomes.

THE SOLUTION

Funded through a federal grant, the Illinois Health and Hospital Association (IHA), in collaboration with the Michigan and Wisconsin Hospital Associations, selected Jump Simulation based on its proposal to develop a scalable curriculum paired with deployable educational resources that equip clinical teams to identify opportunities related to hospital-acquired conditions and readmissions. Jump developed adaptable, low cost simulation modules enabling key team members to facilitate Simulation Debriefing Enhanced Needs Assessments (SDENA) at their own hospitals. The collaborative, simulation-based partnership between Jump Simulation, hospital associations and health care systems across state lines is the first of its kind in the country.

THE IMPACT

Jump Simulation trained more than 300 learners in the 2017-18 IHA Programs to take Jump resources and curriculum back to their own hospitals and engage others, benefiting patient outcomes in multiple facilities across the Hospital Improvement Innovation Network (HIIN). Ultimately the training is creating opportunities for clinical professionals to discuss challenges and solutions to administering the best care possible for patients. This ongoing partnership represents the foundational work of OSF Innovation and Jump Simulation to extend the greatest level of care and love to individuals across a broader community.



JUMP IHA CURRICULUM AND RESOURCES

Urinary Tract Infections

- Physical CAUTI Trainer

Life Threatening Infections

- C. diff Risk Challenge App

DVT – Development of Blood Clots

- AR Anatomy App

Reducing Readmissions

- Hospital Readmission Challenge App

Falls Prevention

- Fall Risk Identification App

Hope for Heart Failure

- Heart Failure Educational Resource App

Sepsis Prevention

- Capillary Refill App

Apps available at jumpsimulation.org/apps

JUMP SIMULATION

Jump Simulation, a part of OSF Innovation, is one of the world's largest simulation and innovation centers with the Vision of improving outcomes and reducing costs through excellent training. For more information, visit www.jumpsimulation.org.

OSF INNOVATION

Launched in 2016, OSF Innovation is the overall umbrella initiative for the planning, structure, goals and services OSF HealthCare uses to innovate for the improvement and transformation of health care.

To learn more, visit osfinnovation.org/CaseStudies

TRI-STATE EFFORT TO BENEFIT PATIENT OUTCOMES

Hospital acquired conditions (HAC) and readmissions pose a significant challenge to the health care industry. Simulation-based training programming is shown to effectively explore latent threats affecting clinical teams, however many systems lack the resources or expertise to implement such a program.

The vision of Jump Simulation is to benefit patient outcomes and reduce overall health care costs through the innovative use of simulation. Recognizing an opportunity to benefit systems across the region, Jump developed a concept that would go beyond “train the trainer” models to facilitate simulation and engage in deep discussion with clinical teams toward improving patient outcomes. Each course provides learners with a Durable Learning Object — educational resources developed by Jump that employ app-based or physical models to engage and disseminate learning objectives beyond the course.

Funded through a federal grant from the Centers for Medicare & Medicaid Services (CMS), the Illinois Health and Hospital Association (IHA) in collaboration with the Michigan and Wisconsin Hospital Associations selected Jump Simulation to develop curriculum equipping learners with the tools and expertise to facilitate these programs at their own facility. This tri-state collaboration has resulted in a Hospital Improvement Innovation Network (HIIN) that is truly the first of its kind with a goal to disseminate learning outcomes to other CMS partnerships impacting patients on a national scale.

CREATING SCALABLE SOLUTIONS FOR HEALTH CARE LEADERS

In 2017, Jump launched new curriculum and resources exploring four HACs where Illinois hospitals face the highest risk for complications of care: CAUTI, DVT, C. diff and readmissions. In 2018, the curriculum shifted to focus on fall prevention, sepsis and heart failure readmissions. Each course links with a publicly available app or open-source trainer created by Jump to advance learning beyond the course module.

Jump developed the Simulation Debriefing Enhanced Needs Assessment (SDENA), a discussion platform used to gain deeper insights from clinical teams. Focusing on the six factors that influence individual performance, learners are taught to use SDENA to discuss the simulation experience and engage in rich conversations about latent issues that would not be discovered in a traditional lecture-based format. Pairing the SDENA experience with each learning object equips learners to explore issues unique to their teams and adapt future interventions to meet the specific needs affecting readmissions and patient outcomes.

Through a partnership with the Memorial Learning and Innovation Center in Springfield as well as Rush University Medical Center in Chicago, training sessions are being offered at multiple locations across the region, extending the benefit of Jump’s curriculum.

“We are able to expand beyond simple training to have a focused conversation around all the safety issues that occur in the clinical space. We’re equipping learners to look for resiliencies and vulnerabilities inside their health care systems through simulation.”

– JOHN VOZENILEK, MD, VICE PRESIDENT AND CHIEF MEDICAL OFFICER FOR JUMP SIMULATION

RESULTS

Jump has trained more than 300 leaders from Illinois, Michigan and Wisconsin to take the curriculum and resources back to their own hospitals to support efforts to improve patient outcomes. Learners have been equipped to engage clinical teams to identify factors leading to patient harm from top issues contributing to HACs. Training is now available to more than 315 hospitals in Illinois, equipping numerous facilities to deploy tools and resources developed by Jump. This ongoing partnership represents the work of OSF Innovation and Jump Simulation to extend the highest level of care and love to all individuals across a broader community.

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