

Embracing Simulation in Technical and Community Colleges



THE PROBLEM

It's a great time to join the health-care field: practitioners are in high demand nationwide, and technical and community colleges are stepping in to offer learners a local, budget-friendly path to achieving their higher education goals.

Many community colleges, including Madison Area Technical College (MC), offer a wide range of job-ready health sciences certificate programs, from Radiography to Registered Nursing (R.N.), and everything in between. Simulation-based training allows faculty to teach patient safety, increase students' pre-employment clinical experience, and help keep college enrollment competitive.

Jeffrey Wenzel, RRT, MSED, Simulation Instruction Coordinator worked with the College's Associate Dean at the School of Health Education to make the most of the MC's investment in simulation. "[Our] state-of-the-art facility, the Health Simulation Center, includes a virtual hospital training center, six simulation labs, a dental clinic, a community health clinic, optometric clinic, and a therapeutic massage clinic. It was a three-year project from start to finish. We evaluated our existing equipment and software, only to realize we could not fulfill our vision using it in the new building."

THE SOLUTION

MC was an early adopter of simulation training. Once Wenzel understood how it could improve both teaching and learning, he looked for a product that could help his team seamlessly capture, organize, analyze, and measure the full spectrum of their simulation efforts. Education Management Solutions (EMS) provided an answer.

The Health Simulation Center at Madison Area Technical College is equipped with EMS' SIMULATIONiQ™ Enterprise simulation management solution, allowing Wenzel to schedule, view, record, and debrief simulation scenarios with ease.

Multidisciplinary simulation-based training is one of the ways Madison Area Technical College sets itself apart from other technical programs. "These scenarios run the full gamut, requiring assessment and handoff from discipline to discipline," says Jeffrey Wenzel, RRT, MSED, Simulation Instruction Coordinator. Each event is designed to incorporate students who are at equivalent places in their training to facilitate ease of learning.

THE RESULTS

Wenzel says that the college has seen a quantitative improvement following the deployment of simulation-based training, and SIMULATIONiQ Enterprise, at their center. "Each student is required to pass a national exam or registry. These exams have clinical components as well as performance components. By comparing years before simulation to years with simulation, we're able to see that more students have successfully passed these exams."

Simulation-based training allows healthcare students at MC to hone skills in a safe environment. Verbal and nonverbal communication, critical thinking and lifesaving decision making, hygiene, emergency protocol, and clinical diagnostics are all skills that can be developed and refined. And if the student makes a mistake, it poses an opportunity to learn through debriefing—and get it right the next time.

EMS' mission is to advance the quality and efficiency of clinical care through smarter simulation, leading to better outcomes. EMS helps to build mastery around: clinical skills, collaboration, communication, and competency for improved patient safety and quality of care.

Smarter Simulation. Better Outcomes.™

© Copyright 2018 | Education Management Solutions, LLC | All rights reserved.
www.SIMULATIONiQ.com | info@SIMULATIONiQ.com | 1-877-367-5050

All features & specifications subject to change without notice. 021618 v1.0