



Minnesota Simulation
for Healthcare
Education Partnerships



MnSHEP Newsletter – Spring 2019

Join the MnSHEP listserv.

Join simulation educators throughout the state and start receiving quarterly newsletters, free online simulation resources, access to free webinars and information on simulation news, site visits, workshops, conferences and more. Join the [MnSHEP Listserv](#) (FREE) to become a member of MnSHEP.

Accessing the MNSHEP Website

HealthForce Minnesota hosts the [MnSHEP website](#) which includes links to multiple national simulation sites, simulation resources, webinars, and simulations for use by programs and agencies around the state.

The username and password are the same: Simulation

Mentoring

Do you have questions on a specific simulation topic? Are you looking for a mentor to be able to reach out to with questions and concerns regarding simulation? If so, please email hfm_simulation@winona.edu. MnSHEP is starting a pilot project to see if we can assist others in the state with answers to their simulation questions and mentoring needs.

Archieved MnSHEP Lunch and Learn Webinars



Each year, MnSHEP offers free webinars. This is a great way to receive continuing education for educators with busy schedules! If you are unable to attend the live webinars you can still review the content. The webinars are archived on the [HealthForce Minnesota MnSHEP](#) website.

The Username and Password are the same: Simulation

Archived Webinars from Fall 2018/Spring 2019

- Facilitating Multiple Patient Simulations
- The Use of Mindfulness in Simulation Pre-briefing to Increase Situational Awareness
- Navigating the Accreditation Process: Hints and Tips
- Sharing our Success Incorporating Simulation into Undergraduate Interprofessional Education
- Difficult Debriefing
- An Overview of MnSHEP and FREE Online Resources

Progressive Sim Center Site Visits: 3 Sim Centers in 2 Days

If you are interested in touring Sim Centers and learning more about simulation, then this Progressive Sim Center Site Visits:

3 Sim Centers in 2 Days might be for you! You can register for 1 day or both days!

Day 1: We'll start at Bethel University in St. Paul MN where you will receive a tour of the Bethel Sim Center followed by a live simulation using high stakes assessment. Participants will debrief the scenario and discuss the challenges and preparation necessary for supporting High Stakes Assessment.

From Bethel University, you will drive to the Minneapolis VA Simulation Center for a tour and discussion of the Simulation Initiatives used at the VA Sim Center to support improving Veteran Patient Safety and Outcomes. The VA facility assets include a 1500 square foot Minneapolis VA Simulation Center, and three separate Sim Labs within the hospital: Nursing Sim lab, Tele-ICU-Sim Lab and 3D printing lab. The VA supports low-medium-high fidelity, virtual reality, standardized patients, a cadaver lab and 3D printing for presurgical modeling via in-situ and dedicated simulation training spaces.

Day 2: The Maverick Family Nursing Simulation Center at the Minnesota State University - Mankato is the location of Day 2 of the Progressive Sim Center Site Visits. Laerdal will be hosting a "mini" Simulation User Network (SUN) workshop titled: *Simulation: Keeping it Simple*. Besides a tour of the new 16,000 square foot Simulation Center, the workshop will include a hands on approach that will demonstrate the INACSL Standards of Best Practice for Simulation and tools that can keep simulation simple. In addition, the Board of Nursing will be present to give updated information regarding clinical replacement and simulation.

[Click here to register.](#)

Progressive Sim Center Site Visits 3 Sim Centers / 2 Days



SCHEDULE

- **Day 1: May 22nd 8 to 2:30**
8 to 11:30: Bethel Univ Sim Center
11:30 to 12:30: Drive to the VA
12:30 to 2:30: MPLS VA Sim Center
- **Day 2: May 23rd 8:30 to 2:30**
Minnesota State Univ - Mankato
Maverick Nursing Sim Center
(Laerdal Mini-SUN Workshop)

COST

- Day 1: \$25.00
(cost for CEU's, continental breakfast/lunch at Bethel University)
- Day 2: \$10.00
- Total for both days: \$35.00

REGISTER for one or both days!



Continuing Education Hours

- Day 1: 5 hours
- Day 2: 5 hours

Moulage Corner: Urine



Ingredients

- Water, desired amount
- Yellow food coloring
- Ammonia for odor
- Dash of milk

Directions:

Mix the listed ingredients for desired color: straw, amber, concentrated, etc. You can also use household ammonia for odor. Add a small dash of milk to make it cloudy. It looks great in a Foley bag or as a specimen in a urinal, bedpan, or container.

NOTE: Do NOT run ammonia solution through the mannequin.

For rhabdomyolysis: add cornstarch and red food color to make the urine pink.



Manikin Mailbag

Dear Manikin Mailbag:

I teach in a nursing program and I want to give students a grade or points for the simulation but I am not sure where to start. Any ideas? Grady Smith

Dear Grady Smith,

That is a question many facilitators ask. The first thing to ask yourself and your faculty is what is the purpose of the simulation. Is it being used for formative, summative or evaluative purposes? You may want to start by looking at your clinical evaluation tool if simulation is being used in place of clinical time. If it is being used for formative, it may be unrealistic to give points for their performance as they may make mistakes. The feedback form I use gives points for prep, safety, communication, professional development and identity, and improvement to practice. There is also a section for feedback for their use of the nursing process. If using simulation for summative or evaluation purposes, especially if it is a high-stakes simulation, be sure that your tool is valid and reliable.

Take care,
Manikin Mailbag

Rose Raleigh MS, RN, CHSE, NLN Simulation Leadership Alum
Colleen Royle EdD, MSN, RN, CHSE, NLN Simulation Leadership Alum

If you have a question you would like answered in a future newsletter, please email
Rose.Raleigh@century.edu or colleen.royle@mnsu.edu

SSH Certification Vision and Mission

Vision: The vision of the Society for Simulation in Healthcare Certification Council is to foster excellence in healthcare simulation internationally through certification.

Mission: The mission of the Society for Simulation in Healthcare Certification Council is to promote competence, recognition, and development of healthcare simulationists through standards and processes for certification within the global healthcare simulation community (<https://www.ssih.org/certification>).

As of March 1, 2019 there were over 2000 Professionals certified in 33 countries with Minnesota having 27 certified healthcare simulationists! Below is a listing of the certified healthcare simulationists in Minnesota, their certification, and the city they reside in. Be sure to congratulate them on their achievement!

If you are interested in pursuing certification, SSH now has online and live [certification blueprint review](#) courses.

1	David J. Adriansen, EdD, NREMT	Certified Healthcare Simulation Educator	Minneapolis	MN
2	Heather A Anderson, MA, BSN, CCRN, CHSE	Certified Healthcare Simulation Educator	St. Paul	MN
3	Krista I Anderson, MSN, RN, CHSE	Certified Healthcare Simulation Educator	St. Paul	MN
4	Usha Asirvatham, MSN RN	Certified Healthcare Simulation Educator	Rochester	MN
5	Jacob Bauer	Certified Healthcare Simulation Educator	St. Paul	MN
6	Annette L Benson, RN MSN CNE	Certified Healthcare Simulation Educator	Mankato	MN
7	Jodi Lisbeth Berndt, PhD, RN, CCRN, PCCN, CNE, CHSE	Certified Healthcare Simulation Educator	Saint Joseph	MN
8	Linda Blazovich, CHSE, DNP, RN, CNE	Certified Healthcare Simulation Educator	Woodbury	MN
9	Cynthia Bradley	Certified Healthcare Simulation Educator	Minneapolis	MN
10	Mackenzie D Butler	Certified Healthcare Simulation Educator	Becker	MN
11	Megan M Dohm	Certified Healthcare Simulation Educator	Inver Grove Heights	MN
12	Mrs. Onalee Finseth, MSN, RN	Certified Healthcare Simulation Educator	Rochester	MN
13	Denise A Foy, RN-BC, MSN, CHSE	Certified Healthcare Simulation Educator	Rochester	MN
14	Peter Haugen	Certified Healthcare Simulation Operations Specialist	Saint Paul	MN
15	Kimberly Hinrichs	Certified Healthcare Simulation Educator	Minneapolis	MN
16	James A Johnson	Certified Healthcare Simulation Operations Specialist	Rochester	MN
17	Trent G Kroschel, RN BSN	Certified Healthcare Simulation Educator	Saint Paul	MN
18	SueAnne Mattson	Certified Healthcare Simulation Educator	Duluth	MN
19	Jon M Moe	Certified Healthcare Simulation Educator	Bloomington	MN
20	Mrs. Suzanne Marie Nelson, MSN, RN, PCNS-BC	Certified Healthcare Simulation Educator	Saint Paul	MN
21	Rose Raleigh	Certified Healthcare Simulation Educator	Burnsville	MN
22	Carol Reid, PhD, MS, RN, CNE	Certified Healthcare Simulation Educator	Shoreview	MN
23	Colleen Royle, EdD, MSN, RN	Certified Healthcare Simulation Educator	Mankato	MN
24	Aaron Keith Simpson	Certified Healthcare Simulation Operations Specialist	Saint Paul	MN
25	Jone M Tiffany, DNP, MA, RNC, CNE, CHSE	Certified Healthcare Simulation Educator	St. Paul	MN
26	Gayla D Winslow	Certified Healthcare Simulation Educator	Rochester	MN
27	Shelley Wolfe	Certified Healthcare Simulation Educator	Rochester	MN

Mentorship in Simulation (Allina Health)

Submitted by Kimberly Hinrichs, MSN, RN, CHSE, Supervisor for Simulation-Allina Health

Over the past several years in leading the simulation program at Allina Health I have had the opportunity to train and mentor over 100 facilitators new to simulation. It has been a journey to not only develop the simulation program but also keep our facilitators supported and moving towards competence. I have learned so much along the way and wanted to share a few important tips to remember and encourage you on your journey as well.

Teach to their strengths

We all have our strengths and areas we excel. For some, debriefing comes naturally and the learning curve is manageable. For others the technology excites them and they enjoy and thrive in supporting simulation through manikin operation, being a patient voice, and responding to urgent calls as the MD. Once the basics of simulation are learned, we encourage facilitators to focus on their area of strength and passion. Consider co-debriefing with those that find it frustrating, changing roles amongst your team or pairing different facilitators. They will thrive, and so will your program!

Lead by example

Facilitators at Allina Health complete our Simulation Essentials course and observe 8 hours of simulation during their training period. We provide many different opportunities for observation. Next steps are mentoring through the scenario design process and providing at the elbow support during the first few simulations. Co-debriefing with the new facilitator has been a helpful way to lead by example, while allowing them the opportunity to begin implementing their new skills in debriefing.



Positive evaluation and feedback

Last, we provide evaluation and feedback to our facilitators. We use a standardized competency tool and discuss positive areas, highlighting their growth as facilitators, as well as areas for development. We discuss how we progress through competency and how we are all developing towards this goal. We encourage and acknowledge our facilitators for their commitment to excellence in simulation.

As your teams and programs grow, consider these three simple tips, and keep spreading your enthusiasm for simulation. It will be contagious!

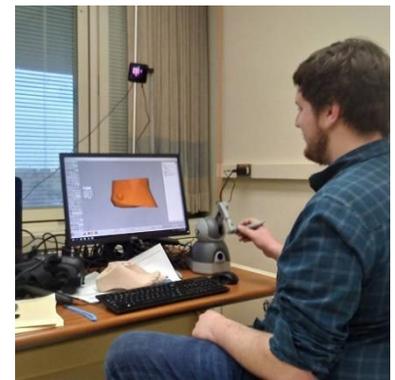
Minneapolis VA Health Care System opens 3D Printing Lab

Submitted by David J. Adriansen, Ed.D, NREMT, CHSE, VA Midwest Region Simulation Program Director

The Minneapolis VA recently opened a 3D Printing Lab and is expanding the use of this technology to support Veteran Patient care.

What is 3D Printing?

3D printing is the process in which 3D imaging is used to scan patients to create models to be used for pre-surgical planning, and in some cases, to determine whether patients require and are able to survive surgery.



Editing a Virtual Clay Model

The flexibility that the Computer Aided Manufacturing provides is ideal to benefit the medical professional, trainee and medical facility. Benefits include reduced length of stay due to decrease surgical time, increase operating room turnover, and optimal patient outcomes.

For Prosthetics/Orthotics, a patient's anatomy is scanned; post-processing is completed via a 3D printed model which is fabricated and reviewed for quality. The patient is seen to confirm fit of the prosthesis and adjustments made as needed.

Surgeons have the ability to use 3D imaging to scan patients to create models to be used for pre-surgical planning, and in some cases, to determine whether patients require and are able to survive surgery.

Minneapolis VA Cardiologists are now printing accurate models of their patient's vasculature to determine whether their anatomy will allow for a catheterization, with the goal to reduce the amount of iatrogenically caused embolisms.

Cardiologists use a 3D imaging software application and Vital Images to plan treatments of transcatheter aortic valve replacements (TAVRs), atrial septal defects, and left ventricular appendages. Surgeons can quickly design patient-specific surgical guides and custom implants, as well as set up scenarios for practice sessions with prototypes that can be cut, drilled, and practiced on. With some practice, the combined team can create implant and surgical guide designs within a few hours, and be ready to start 3D printing within the day!



3D Printed Models of Aortic Valves

What opportunities exist for 3D printing in the future?

3D printing provides educators, researchers, and students the opportunity to study and perform procedures on detailed multi-material 3D printed models that mimic the appearance and textures of some of the body parts or sizes even down to a specific patient's tumor. Ample teaching and research opportunities will be made available by a 3D Printing Lab, including printing detailed multi-material 3D models that mimic human tissue. These could then be incorporated into surgical, device, and even ultrasound-

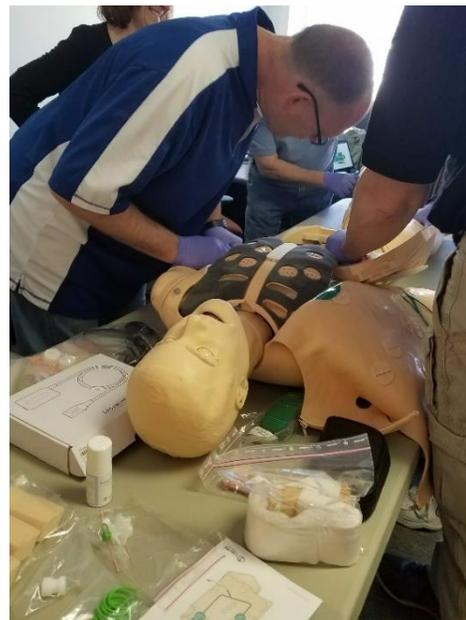
associated trainers. These models may be used for research and teaching or pre-surgical planning purposes.

HealthPartners Clinical Simulation is Partnering to Expand Simulation to Rural EMS Responders

Submitted by Krista Anderson MSN, RN, CHSE, HealthPartners Clinical Simulation Manager

Starting in 2018, HealthPartners Clinical Simulation has partnered with the Minnesota Department of Health (MDH) to expand the benefits of healthcare simulation to the rural communities. The simulation use of static mannequins and task trainers has a long tradition in EMS education. However, the Simulation Use in Paramedic Education Research (SUPER), a descriptive study published in 2015, found that simulation-based education is most beneficial when integrated by those trained in the simulation standards of best practice. Efforts are being made to expand and integrate these educational opportunities to the EMS environment for the benefit of rural communities.

This partnered venture is a grant based program. The grant provided funding for the MDH to purchase mannequins for the seven rural EMS regions of Minnesota with training for the EMS educators to optimize the investment. During the first phase of this project HealthPartners Clinical Simulation provided a one-day Simulation Facilitator course for EMS educators with the goal of expanding comfort and skills of immersive simulation for EMS education of stroke and myocardial infarction management. This course was facilitated with local regional simulation experts to help build partnerships for continued support as they began to incorporate simulation concepts and techniques. Phase 2 consisted of creating handout and video resources to meet the challenges being experienced.



Phase 3 is getting ready to launch! During this third phase, the goal is focused on expanding knowledge, offer real time feedback, and provide tips and tricks for success. The EMS educators will develop scenarios for use, facilitate simulation scenarios, and debrief for just in time feedback. Finally, the MDH and HealthPartners Clinical Simulation are presenting at the EMS: Teaching and Learning Conference on April 26, 2019 to help others begin to implement best practices in immersive simulation to optimize learning.

Health Sciences Programs Work Together, Representing a Big Win for Century College

Written by John Link, Century College Public Relations Coordinator



Century College believes one of the best ways to learn is by doing. But for the non-credit Health Unit Coordinator program, curated by Continuing Education and Customized Training, internships are notoriously hard to come by, as health care organizations tend to look for students with more experience.

In response, Lynette Wies, Health Careers Programs Manager decided to think outside of the box. She and Sue Orth, Health Unit Coordinator (HUC) Instructor worked with Rose Raleigh, Nursing Instructor to create a collaborative simulation. They devised a "Code Blue" scenario, in which nurses and health unit coordinators work together to treat a patient suffering from a cardiac arrest.



The collaboration was notable not only for its ingenuity, but for the unique collaboration between credit and non-credit programs. "It's been a big win for Century College," said Wies. "I think our students are coming out with an upper hand when they're looking for jobs – I don't know of any other HUC program in the metro that's using simulation."

A Team Model

Nursing is built on what Orth refers to as a team model. It makes perfect sense, that simulation would be a large part of the curriculum. "In nursing, you're never by yourself," said Orth. "There are so many different people that you have to work with.

Simulation helps everyone learn to communicate professionally in tense emergency situations.”

Compassionate Care

Effective communication isn't only a matter of optimizing operations and practicing protocol. Orth, who is employed as a HUC, devises unique situations she runs into that aren't necessarily "nursing" issues. This includes communicating appropriately with patients and assisting distraught family members. "It's about compassionate care. It's about being empathetic, and always being conscious of your words" (Orth).

Succeeding in a Changing World

In a dynamic industry like health care, communication skills are essential to growing and adapting as health care providers. That's why simulation and collaboration between programs is so vital to help students succeed in a changing world.

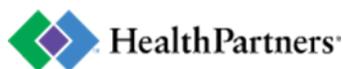
Minnesota Conferences/Workshops/Courses

Simulation Facilitator Workshop

This 3-day comprehensive program is designed for individuals who desire more in-depth knowledge and skills in effectively incorporating simulation into all levels of healthcare education from undergraduate programs to staff development.

June 3-5, 2019; September 9-11, 2019; November 13-15, 2019

[Link to registration](#)



Regional Simulation Conference 2019: Collaborate, Create, Elevate

Save the date: September 27-28, 2019

Hosted by HealthPartners Clinical Simulation, St. Paul, MN

[Link to registration](#)

Simulation Facilitator Course

This 8-hour hands-on course is for interdisciplinary staff such as physicians, residents, registered nurses, EMTs, Paramedics, RT, Chaplaincy and other interdisciplinary staff and educators to learn the basics of simulation. In addition, this course is helpful to teach simulation basics for clinical and non-clinical staff who are involved with curriculum design or serves as a content expert for clinician orientation and ongoing orientation.

Dates: May 17/July 12/September 6/November 1, 2019

[Link to registration](#)

Simulation Debriefing Basic Course

During this course, learners will demonstrate debriefing knowledge and skills by utilizing the "Debriefing with Good Judgment" approach during the facilitation of two simulation scenario debriefing sessions.

Dates: May 3/July 15/September 16/November 11, 2019

[Link to registration](#)

Simulation Instructor Development: Basic Course

This one-day course will provide an introduction to simulation-based education. Topics covered include discussion of simulation terminology, planning a simulation course, writing scenarios, and debriefing.

October 14, 2019

Rochester MN.

[Link to registration](#)



Simulation Instructor Development: Comprehensive Course

This three-day multidisciplinary, interactive course will develop instructors for simulation-based education. Participants learn the principles of experiential learning including types of simulation, course design, and debriefing strategies.

June 5-7, 2019 Rochester, MN

Sept. 16-18, 2019 Rochester, MN

Feb.13-15, 2019 Phoenix, Arizona:

[Link to registration](#)

Simulation Instructor Development: Debriefing — Beyond Basics

This advanced debriefing course will address the needs of simulation facilitators who are interested in improving their debriefing skills. Using a combination of interactive and immersive group work, this session will focus on enriching facilitation skills of the debriefers and provide an opportunity to reflect on their own practices for better educational outcomes.

April 2, 2019 ([watch for future dates](#)).

National Conferences



2019 Association of Standardized Patient Educators Annual Conference

The Association of Standardized Patient Educators (ASPE) Conference is designed to engage, showcase creative works, stimulate professional development, and provide on-going opportunities to network and collaborate.

June 8-11, 2019 Orlando, Florida, USA

[Link to Conference](#)

The logo for the Health Professions Simulation Network (HPSN) consists of the letters 'HPSN' in a bold, sans-serif font.

HPSN World 2020

Watch for information on the [World 2020 conference](#).



IMSH 2020 Conference

The International Meeting on Simulation in Healthcare (IMSH) is the world's largest conference dedicated to healthcare simulation learning, research and scholarship, offering 250+ sessions in various formats, from large plenary sessions to small, interactive immersive courses. It is also considered to be the educational and networking event for the simulation world.

January 18-20, 2020 in San Diego, CA

[Link to conference](#)



International Nursing Association for Clinical Simulation and Learning (INACSL) 2019 Conference

This conference, a leading forum for simulation aficionados, researchers, and vendors providing the ideal environment to gain and disseminate current, state-of-the-art knowledge in the areas of skills/simulation operations and applications in an evidenced-based venue.

June 19-22, 2019 Phoenix, AZ

[Link to conference](#)

Learning to Use Debriefing for Meaningful Learning

Debriefing has been identified as an essential component of practice teaching for the development of clinical reasoning skills and to augment meaningful learning in students. Watch for future dates.

2019 Institute for Simulation Educators (ISE)

This three and a half day instructive and interactive forum is designed for faculty beginning work in simulation and searching for a solid foundation in simulation education.

Save the Date: July, 2019 in Columbia, SC [Link to Registration](#)



National League
for Nursing

10/22/2019 in Washington DC (registration link is not yet available. [Link to calendar of events.](#))



SimGHOSTS USA 2019

The 2019 SimGHOSTS events will provide a meeting place for you to exchange ideas and network with technical peers as well as receive specialized training in the utilization of healthcare simulation technologies. You will also have opportunities to meet with simulation-based vendors to engage with the latest in healthcare education technology.

July 31– August 2nd, 2019 Miami, Florida

Pre-symposium July 30th

[Link to registration](#)



SimOps 2019

Society for Simulation In Healthcare

July 17-19, 2019, Norfolk, VA

[Link to conference](#)



Simulation Regional Workshop

Regional Simulation Workshop: Presented by ASPE, INACSL, and SSH

Regional Simulation Workshops on the guidelines of the NCSBN National Simulation Study
May 28, 2019 (Preconference for QSEN Rocks Conference) Cleveland, Ohio

[Link to registration](#)



SUN Simulation User Network

The Simulation User Network conferences offer best practices for simulation training programs across all healthcare disciplines.

October 2-4, 2019, Las Vegas, NV

[Link to registration](#)

MnSHEP Advisory Board Members

Thank you to all members of the MnSHEP Advisory Board. Your expertise and enthusiasm have been instrumental in guiding MnSHEP strategically in the past and into the future. The collective efforts of the MnSHEP Advisory Board promote simulation excellence and collaborative learning opportunities by providing evidence-based resources and support statewide for Minnesota simulation educators. Thank you for your work in this endeavor! Sue Field DNP, RN, CNE

Advisory Board Members			
Community College Representatives	University Representatives	Clinical Partners Representatives	Other Agencies Representatives
Annette Benson RN, MS, CNE, CHSE, Health Simulation Coordinator at South Central College, North Mankato/Faribault	Cynthia Bradley PhD, RN, CNE, CHSE, Director of Simulation The University of Minnesota, School of Nursing	David J. Adriansen Ed.D, NREMT, CHSE, Director, Minneapolis VA Simulation Center	Kathy Adams, MS, Director of Continuing Education at the Society for Simulation in Healthcare
Joseph P. Buhain EdD, MBA, RRT, FAARC, NREMT, Program Director for Cardiopulmonary Sciences and Simulation Studies at St. Paul College	Jessie Daniels MA, BSN, RN, NLN Simulation Leadership Alum	Krista Anderson MSN, RN, CHSE, HealthPartners Clinical Simulation Manager	Sue Field DNP, RN, CNE, Director of Health Education and Industry Partnerships – MN State Center of Excellence HealthForce MN
Jeanne Cleary MA, BSN, RN, Simulation Director at Ridgewater College at Willmar and Hutchinson, NLN	Debra Lamb MS, RN, Simulation Supervisor at Bethel University	Lisa Brown BSN, RN, Hennepin Healthcare Sim Center Manager	Molly Kellgren MSN, RN, CNE, CHSE, NLN Simulation Leadership Alum, Project Manager of Accelerating to

Simulation Leadership Alum			Practice at the National League for Nursing
Diane Gold MS, RN, APN, Retired faculty Normandale College	Carol Reid PhD, RN, CNE, CHSE Associate Professor, Nursing Department at Metropolitan State University	Denise Foy MSN, RN-BC, CNEA, Nursing Education Specialist Multidisciplinary Simulation Center at the Mayo Clinic	Marilyn Krasowski EdD, MSN, RN, Director for Education at the Minnesota Board of Nursing
Jane McKinley BSN, RN, Simulation Specialist at Riverland Community College	Colleen Royle EdD, MSN, RN, CHSE, NLN Simulation Leadership Alum, Simulation Center Director and Associate Professor at Minnesota State University, Mankato	Kimberly Hinrichs MSN, RN, CHSE, Senior Learning and Development Specialist/Simulation at Allina Health	Jone Tiffany DNP, MA, RNC, CNE, CHSE, ANEF Professor of Nursing, Bethel University and liaison to the National League for Nursing
Rose Raleigh MS, RN, CHSE, nursing faculty at Century College, NLN Simulation Leadership Alum		Elizabeth Q. Keating MSN, RN, CHSE Director of Nursing Education & Clinical Simulation at Park Nicollet Methodist Hospital Samreen Vora, MD, MHAM, Medical Director of Simulation, Emergency Medicine Physician, at Children's Minnesota	



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