



*Minnesota Simulation
for Healthcare
Education Partnerships*

MnSHEP Newsletter – Fall 2019

Join the MnSHEP listserv.

Join simulation educators throughout the state to receive quarterly newsletters, free online simulation resources, access 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

Retirement and Future of MnSHEP



For those of you who do not know me, my name is Sue Field, and I have been the Project Manager for the MnSHEP Partnership for the past 5 years. I am the one behind the scenes in offering the MnSHEP webinars, newsletters, website, workshops, and site visits.

I will be retiring October 15, 2019, as the Director of Healthcare Education and Industry Partnerships for MN State Center of Excellence – HealthForce MN. I will be moving on to the next phase of my life!

It has been an amazing opportunity working as the Project Manager for MnSHEP. I would like to take this opportunity to thank the MnSHEP Advisory Board for their direction, guidance, and dedication in providing their time and expertise for the ongoing development and expansion of MnSHEP. Without their advice and willingness to share, MnSHEP would not be what it is today.

I would like to thank Val Defor, Executive Director of HealthForce MN, for her support and encouragement to ensure MnSHEP provides resources and training for simulationists across the state.

I want to assure you that MnSHEP will continue. MN State – Center of Excellence, Healthforce MN will be posting the position for Director of Healthcare Education and Industry Partnerships this fall, and I have been assured that the position will include the management of the MnSHEP partnership.

I will miss this collaborative partnership and the many friendships I made throughout Minnesota. I wish all of you in MnSHEP the best in your simulation endeavors!

Healthcare Simulation Week September 16-20, 2019



Join the global simulation community to celebrate the professionals who improve the safety, effectiveness, and quality of healthcare services every day.

Healthcare Simulation Week celebrates global professionals like you who use simulation to improve the safety, effectiveness, and efficiency of healthcare delivery.

This week also raises awareness in communities nationwide about how healthcare simulation is leading us to safer, more knowledgeable patient care.

Social: #HcSimWeek19 and @HcSimWeek

[Link to Website](#)

2019 Children's Minnesota First Regional Simulation Journal Club



Children's Minnesota would like to invite everyone for our first Regional Simulation Journal Club on September 17, 2019. Join us for dinner and discussion of a relevant simulation article. Please RSVP to Simcenter@childrensmn.org. One week prior to the dinner you will receive the article we will be discussing.

On September 26, 2019 from 8-9 am, Children's Minnesota is hosting Dr. Peter Weinstock from Boston Children's for a Grand Rounds talk entitled "Sim 2.0: Ensuring safe, reliable care and great healthcare experiences through ergonomic simulation platforms and ecosystems." Please email Simcenter@childrensmn.org for details if you would like to attend.

HealthPartners Clinical Simulation hosts: Simulation 2019

Collaborate, Create, Elevate

September 27 & 28, 2019

HealthPartners Clinical Simulation & Learning Center

Regions Hospital (C7100)
640 Jackson Street St. Paul, MN 55101
651-254-1866

This activity has been approved for AMA PRA Category 1 Credit™

Description:

This 2 day conference is an opportunity to connect with colleagues throughout the simulation community and provide a forum for discussion and exchange of information amongst simulationists in both health care delivery and academic settings. It is designed for simulation educators, technical/operations specialists, & program administrators as well as individuals interested in learning more about simulation.

[Click here to register](#)

MnSHEP Webinars

There are no MnSHEP webinars scheduled for this fall. Feel free to access any of the archived webinars listed below!

MnSHEP Archived Webinars

[Click here to view the archived webinars at the HealthForce Minnesota Website](#)

Username and Password are the same: **Simulation**

MnSHEP:

- An Overview of MnSHEP and the Free Online Resources

Theory:

- The Use of Theory in Simulation

Pre-briefing:

- Pre-Briefing: Setting the Stage for Success
- The Use of Mindfulness in Simulation Pre-Briefing to Increase Situational Awareness

Debriefing:

- Debriefing in Simulation: Setting the Standard
- Difficult Debriefing
Pre-Briefing and Debriefing

Facilitation:

- Set the Stage for Success as a Facilitator
- Facilitating Multiple Patient Simulations

Standardized Patients:

- Standardized Patients: A Critical Resource in Human Simulation

Augmented Reality in Simulation:

- ARISE Project: Augmented Reality Integrated Simulation Education

Virtual Simulation:

- Virtual Simulation Past, Present, and Beyond
- A Recipe for Engaging Learners: The Use of Virtual Simulations in your Teaching Practice

Interprofessional Simulation:

- Sharing Our Success Incorporating Simulation into Undergraduate Interprofessional Education
- Interprofessional Simulation for Workplace Violence in the Emergency Department

Specialty Areas:

- Hospice and Homecare: Simulation in Hospice and Homecare: Are Students Ready for the Challenge?
- Obstetrics: The Use of Unfolding OB Case While Implementing Multi-Modalities
- Obstetrics: Feel the Surge? Using Simulation to Birth RN's into the Obstetric Specialty
- Preceptor: Using Simulation for Faculty and Preceptor Development

Accreditation and Certification:

- Navigating the Accreditation Process: Hints and Tips

Moulage Corner: Breastfed Stool



Ingredients:

- Honey mustard
- Mustard seed
- Water-soluble jelly

Instructions

Combine honey mustard, mustard seed, and water-soluble jelly OR:
Barrel-O-Slime also makes a great meconium stool (You can purchase this online or at multiple department stores).

By Jeanne Cleary MS, RN, NLN Simulation Leadership Alum



Manikin Mailbag

Dear Manikin Mailbag:

The manikin I was using stopped working in the middle of a simulation. I was so frustrated, I stopped the simulation and dismissed the learners. What should I do if this happens again?

Sincerely,
Hope Chance

Dear Hope Chance,

I am sorry to hear that. One thing that experienced facilitators keep in mind is that it is not IF the technology will stop working, but when. Develop a back-up plan, so when the technology fails, the simulation and learning can continue.

One idea is to tell the learners during pre-brief that if the manikin stops working and they can no longer hear lung sounds, etc. that you will tell them what the assessment findings are as they are doing them.

I have labels made up so if the manikin does not work, I will label the heart sounds, lung sounds, etc. and I will announce the vital signs through the speaker as well. If the scenario is sound, the learning will continue if the technology stops.

Rose.Raleigh@century.edu or colleen.royle@mnsu.edu

3D Printers to Support a Simulation Program

You may be asking: "How can a 3D printer be used to support a simulation program?" A nursing professor at the University of Alabama in Huntsville (UAH) asked the same question. The nursing professor teamed up with research scientists at the University to create a cricothyrotomy simulator, 3D printed vein finders, injection pads, and surgical models from MRI scans. The cost savings were astounding. [Click here](#) to read the full article.

Are you new to 3D Printer technology? Many of the libraries in Minnesota have 3D printers available for use by the public. The libraries not only provide access to the 3D printers but many libraries offer classes on the use of the printers.

Veteran Dental Care Faster Using 3D Technology

By David Adriansen
VISN 23 Simulation Program Director
Minneapolis VA Health Care System

MINNEAPOLIS – Army Veteran Mark Gehrke had been missing his teeth for years, and his upper jaw had significant bone problems. His dentist, Dr. Christopher French, an oral surgeon at the VA medical center in Minneapolis created a 3D printed model of his upper jaw to plan the surgical placement of four dental implants, using the model as a guide to plan the placement of the implants.



For this, Gehrke was thankful. "I appreciate getting the best care possible," he said. 3D technology helps create guides for dental implant placement and medical models which aid in surgical planning. A digital capture is transferred to a 3D printer or dental mill to create the dental surgical guides or other products needed

to support Veteran patient care.

For the rest of the story, [click here](#).

In this image, (left) Dr. Christopher French, an oral surgeon at the Minneapolis VA Health Care System, shows Army Veteran Mark Gehrke a 3D printed model of his upper jaw to plan the surgical placement of four dental implants. (VA courtesy photo).

Are you ready for High Stakes Assessment using Simulation?

By Jone Tiffany, Ann Holland, Linda Blazovich, Deb Bambini and Vicki Schug



Nursing programs are expanding their use of clinical simulation as a means of summative and high stakes assessment of student learning. While formative assessment is performed to provide feedback to students, “summative simulated-based assessment is intended to determine students’ competence in practice” (Oermann, Kardong-Edgren, & Rizzolo, 2016, p. 323). The definition of high stakes simulation currently outlined in the International Association of Clinical Simulation and Learning (INACSL) Standards of Best Practice: SimulationSM is “an evaluation process associated with a simulation activity that has a major academic, educational, or employment consequence . . .” (INACSL Standards Committee, 2016, p. S41). High stakes assessment is a form of summative assessment, but with greater consequences.

The question of whether nursing is ready for High Stakes assessment throughout nursing curricula, specifically at the end of the program has become more and more prevalent as nurse educators are looking for the Holy Grail for student assessment. The findings from the landmark National Council of State Boards of Nursing (NCSBN) study that investigated the use of simulation as clinical substitution emphasized the importance of using valid and reliable mechanisms to assess achievement and competence in practice (Hayden, Smiley, Alexander, Kardong-Edgren, & Jeffries, 2014). Complexity in evaluating competence was the impetus for a seminal project undertaken by the National League for Nursing (NLN) to evaluate the process and feasibility of using manikin-based high fidelity simulation for high stakes assessment in pre-licensure RN programs (Rizzolo, Kardong-Edgren, Oermann, & Jeffries, 2015). Their findings demonstrated that training evaluators to agree on what competence looks like is critical in summative and high stakes simulation assessments (Oermann et al., 2016).

These findings from the original NLN study compelled a research team to design a training strategy for evaluators and to study its effect on achieving inter- and intra-rater reliability. The study focused specifically on 1) training raters in the use of an evaluation tool, 2) developing a shared mental model of competence as it relates to the specific expected performance behaviors of a simulation scenario, and 3) improving inter- and intra-rater reliability of evaluators in an effort to contribute to the evidence informing valid and reliable high stakes assessment in simulation. The multi-site team of researchers included Drs. Ann Holland, Jone Tiffany, Linda Blazovich, Deborah Bambini and Vicki Schug who ran an experimental, randomized, controlled design study to investigate the effect of that training intervention on inter- and intra-rater reliability amongst faculty using High Stakes testing in simulation.

The study results suggest that the structured training method that included a model assessment, training webinars, practice assessments, and facilitated discussion contributed to higher inter- and intra-rater reliability in scoring. The intervention group achieved more agreement and less variability in scoring the tool than the control group. Computation of inter- and intra-rater reliability statistics for each experimental video did not reveal a pattern indicating that reliability was influenced by the quality of student performance (good, mediocre, or poor).

In the complex, quickly changing, and risky healthcare environment, assuring competence of practitioners is an obvious goal. It is clear that high stakes assessment with simulation is coming to nursing education and practice. It is also clear that evaluator training is paramount to achieving fair assessment and that simulation that is utilized for high stakes assessment must be designed, implemented, and facilitated according to standards of best practice. This study underscores some of the difficulty in achieving reliability in assessment and highlights the need for continued research.

Before the nursing profession can move forward with the implementation of high stakes simulation assessment in a

significant way, additional studies are needed to test and confirm the effects of training methods on reliability. The evidence-based training method used in this study could be replicated and further refined, perhaps with different evaluation tools. Continued study and refinement of evaluation tools is needed, recognizing that the objectives of the simulation must be consistent with the evaluation tool. The confounding results obtained in this study for the global competence decision indicate further study is needed in comparing and contrasting the use of checklists in achieving reliable and valid assessments.

For detailed information about the study and results, watch for our research article coming to an edition of *Nursing Education Perspectives* soon. We have not received a publication date yet.

Holland, A., Tiffany, J., Blazovich, L., Bambini, D., Schug, V., (2019). The Effect of evaluator training on inter- and intra-rater reliability in high stakes assessment in simulation: *Nursing Education Perspectives*, (accepted – awaiting publication).

References:

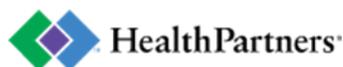
Hayden, J. K., Smiley, R. A., Alexander, M., Kardong-Edgren, S., & Jeffries, P. R. (2014). Supplement: The NCSBN national simulation study: A longitudinal, randomized, controlled study replacing clinical hours with simulation in prelicensure nursing education. *Journal of Nursing Regulation*, 5(2), S1-S66.

INACSL Standards Committee. (2016). INACSL standards of best practice: SimulationSM participant evaluation. *Clinical Simulation in Nursing*, 12(S), S26-S47. doi:10.1016/j.ecns.2016.09.009

Oermann, M.H., Kardong-Edgren, S., Rizzolo, M.A. (2016). Summative simulated-based assessment in nursing programs. *Journal of Nursing Education*, 55(6), 323-328. doi:10.3928/01484834-20160516-04

Rizzolo, M. A., Kardong-Edgren, S., Oermann, M. H., & Jeffries, P. R. (2015). The National League for Nursing project to explore the use of simulation for high-stakes assessment: Process, outcomes, and recommendations. *Nursing Education Perspectives*, 36(5), 299-303. doi:10.5480/15-1639

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.

September 9-11, 2019; November 13-15, 2019

[Link to registration](#)

Regional Simulation Conference 2019: Collaborate, Create, Elevate

This 2-day conference is an opportunity to connect with colleagues throughout the simulation community and provide a forum for discussion and exchange of information among simulationists in both the healthcare delivery and academic settings. It is designed for simulation educators, technical/operations specialists, and program administrators as well as individuals interested in learning more about simulation.

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: September 6, 2019; 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: September 16, 2019; 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, and April 13, 2020

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.

Sept. 16-18, 2019 Rochester, MN

Feb. 24-26, 2020 Jacksonville, Florida

[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.

September 4, 2019, and April 15, 2020, Rochester, MN

[Link to registration](#)



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 7-10, 2020 Portland, Oregon

June 20-23, 2021 LaJolla, California

[Link to Conference](#)



Human Patient Simulation Network (HPSN) World 2020 and Regional Workshops

In 2019 we'll be looking for you to join us in Orlando and share your passion for healthcare education through simulation. No matter your background, no matter your experience, HPSN World never fails to inspire.

HPSN UK 2019: December 3-4, 2019 in Nottingham, UK

HPSN World 2020: TBD

HPSN Arkansas Regional Simday: April 7, 2020, Fayetteville, Arkansas

[Link to Conference](#)



IMSH 2020 Conference Inspired by our Patients/Driven by the Future

The International Meeting on Simulation in Healthcare (IMSH) is a scientific conference that explores the latest innovations and best practices in healthcare simulation. IMSH provides the tools and resources healthcare professionals need to advance their skills, impact change in delivery systems and practice, and, ultimately, to improve patient safety.

January 18-22, 2020 San Diego, California

January 9-13, 2021 New Orleans, LA

January 15-19, 2022 Los Angeles, CA

[Link to Conference](#)



International Nursing Association for Clinical Simulation and Learning (INACSL) 2020 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 24-27, 2020 Raleigh, North Carolina

June 16-29, 2021 Denver, Colorado

June 15-18, 2022 Milwaukee, Wisconsin

[Link to Conference](#)



National League
for Nursing

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.

Date: TBD

[Link to website](#)

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.

Date: October 21-24, 2019 in Ashburn, VA

[Link to website](#)



SimGHOSTS USA 2020

The 2020 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

	<p>of healthcare simulation technologies. You will also have opportunities to meet with simulation-based vendors to engage with the latest in healthcare education technology.</p> <p>Date: TBD</p> <p>Link to website</p>
	<p>SimOps 2020 Society for Simulation in Healthcare Date: TBD Link to website</p>
	<p>Regional Simulation Workshop: Presented by ASPE, INACSL, and SSH Regional Simulation Workshops on the guidelines of the NCSBN National Simulation Study October 4, 2019, Conway, AZ October 17, 2019, Ottawa, ON Link to registration</p>
	<p>SUN Simulation User Network The Simulation User Network conferences offer best practices for simulation training programs across all healthcare disciplines. October 2-4, 2019 in Las Vegas, NV Link to conference</p>

MnSHEP Advisory Board Members

Thank you to the 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 Ph.D., RN, CNE, CHSE, Director of Simulation The University of Minnesota, School of Nursing	David J. Adriansen Ed.D, NREMT, 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 Director	Sue Field DNP, RN, CNE, Director of Health Education and Industry Partnerships – MN State Center of Excellence HealthForce MN
Jeanne Cleary MA, BSN,	Debra Lamb MS, RN,	Lisa Brown BSN, RN,	Molly Kellgren MSN, RN,

RN, Simulation Director at Ridgewater College at Willmar and Hutchinson, NLN Simulation Leadership Alum	Simulation Supervisor at Bethel University	Hennepin Healthcare Sim Center Manager	CNE, CHSE, NLN Simulation Leadership Alum, Project Manager of Accelerating to Practice at the National League for Nursing
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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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Minnesota State is an equal opportunity employer and educator. Individuals with hearing or speech disabilities may contact us via preferred Telecommunications Relay Service.

For questions or to submit news articles contact:
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