



iEXCELSM
Annual Report

July 2023 – June 2024

iEXCEL Vision

Improving Human Performance
and Effectiveness in Health Care.

iEXCEL

Executive Summary



Pamela Boyers, PhD
*Associate Vice
Chancellor, Clinical
Simulation, iEXCEL*

This Annual Report is presented with sincere gratitude for UNMC faculty, staff, students, community supporters of iEXCEL, UNMC leadership and all who have used iEXCEL to innovate and provide new methods of teaching and research. The Davis Global Center, with our talented iEXCEL staff, have continued to create a safe venue where essential clinical care skills can be learned and practiced. Thanks to this successful public-private partnership with the State of Nebraska and generous philanthropic support from the community, iEXCEL is proud to report that since opening in March 2020, over 180,000 attendees have been hosted in the Davis Global Center. These visitors include industry and military collaborators, as well as learners at all levels of training.

Global Recognition & Work Force Development: Throughout 2024, iEXCEL has continued to host visitors from around the globe, and most notably Ukraine, Rwanda, and Japan as well as engage with Nebraska leaders in many venues. With the addition of the Health Science Education Center II underway in Kearney, we have placed increased emphasis on statewide outreach, as well as a strong effort in offering STEM opportunities. Supporting workforce development efforts for a wide range of organizations has been high on the iEXCEL agenda as we reach out to, and host middle and high school students and local organizations to share the many job opportunities that modeling, simulation and visualization can offer, including careers in health care. It is with pride that we have supported 9 Scott Scholars who have quickly assimilated into the iEXCEL culture, adding their own brand of excitement and energies to our forward trajectory.

iEXCEL & Beyond—Moving Forward: To ensure UNMC remains on the cutting-edge of health professions training and research, iEXCEL has been working closely with University of Nebraska leadership and industry collaborators to address the welcome challenges that exponential growth offers. Therefore, the second half of 2024 has involved a deep and candid analysis of where iEXCEL is today and how to continue to ensure relevance in training, be efficient in our management of finite resources, as well as ensure the University of Nebraska Medical Center remains in the forefront of health professions education. This review is resulting in a new strategic initiative: iEXCEL 2.0 which will be implemented throughout 2025. With the academic mission as a primary focus, balancing the 3 iEXCEL missions (academic, business and statewide outreach) remains central. Growth opportunities abound! These include ensuring equitable access to interprofessional and experiential learning across the state of Nebraska; increasing accountability to the statewide training sites, including the new HSEC II in Kearney; advancing human performance outcome research; accelerating the adoption of immersive environments; advancing the business mission; and contributing to the University of Nebraska system-wide.

As always, the goal for iEXCEL is to provide exemplary interprofessional, experiential and immersive learning opportunities for our UNMC students, as well as Nebraska Medicine healthcare professionals so that they, in turn, provide extraordinary care.

A handwritten signature in black ink that reads "Pamela J. Boyers".

iEXCEL Team



LEADERSHIP

Pamela Boyers, PhD

Associate Vice Chancellor, Clinical Simulation, iEXCEL

Benjamin Stobbe, RN, MBA

Assistant Vice Chancellor, Clinical Simulation, iEXCEL

ADMINISTRATION

Frank Bogatz, BSBA

Associate Executive Director, Business & Data

Armalita Dosseh

Program Coordinator, iEXCEL/Interprofessional Education (IPE)

Michael Hollins, MPA, MA

Associate Executive Director, Community & Business Strategy

Moriah Loutsch-McCune

Community Engagement Coordinator

Jenni Bouckhuys, BMS

Director, Simulation Operations

Amber Mekush-Harter, BS

Database Systems Administrator

Elisabeth Barrett, MPA, MA

Marketing & Communication Supervisor

Betsy Lay

Customer Service Representative

Kelly Bates

Customer Service Representative

Priscila Rodrigues Armijo, MD

Educational Research Specialist

Jesse Carlberg

Web/Database Administrator

Mitchell Tillwick

Program Coordinator, iEXCEL Senior Administration

Kiley Dinsmore, BS

Simulation Operations Associate

Laurel Ybarra, BA

Program Associate, Administration/Marketing



VISUALIZATION

Bill Glass, MS, BFA
Artistic Director, iEXCEL Visualization

Paul Dye, MEd, BFA
Manager, Educational Technology & Design

Brian Curtis, BA
3D Animation Visualization Specialist

Wesley Fisher
3D Generalist – Basic

Neil Humphrey
UX Designer

Anthony Lanza, BS
3D Generalist I

Dheeraj Varandani, BFA
3D Generalist I

Jer Weann Ang, MS
Medical Illustrator

Jeremiah Wilt
Computer Programming Specialist

ADVANCED SIMULATION

Sarah Kriss, BS
Manager, Advanced Human Simulation Program

Randi Peavy
Manager, Surgical Simulation Program

Samantha Rogers, MSA, CHSOS
Manager, Clinical Simulation Program

Teena Foster, MBA
Advanced Simulation Specialist

Wayne Howell III, RT(R), ARRT
Advanced Surgical Simulation Specialist I

Chad Lingel, BMS
Human Simulation Program Associate

Jamie Olsen
Advanced Surgical Simulation Specialist II

Andrew Oxtoby
Advanced Simulation Specialist

Jess Nolker, BS
Advanced Human Simulation Specialist II

Kylie Schnell
Surgical Simulation Support Technician

Jeff Whannell, EMT-P, CHSOS
Advanced Simulation Specialist

Terri Williamson
Advanced Simulation Specialist I

iEXCEL

Oversight & Governance

The iEXCEL Advisory Board and Strategic Advisory Group provide critical insight and visionary leadership in bringing this transformational project to life.

Advisory Board

meets quarterly; provides oversight and guidance of iEXCEL and the Davis Global Center with a focus on fundraising, sustainability, business development and community relations.

Anne Barnes

Vice Chancellor for Business, Finance and Business Development, UNMC

Mogens Bay

Executive Chairman, Valmont Industries, Inc.

Pamela Boyers, PhD

Associate Vice Chancellor, Clinical Simulation, iEXCEL, UNMC

Jeffrey P. Gold, MD

President, NU System

Paul Hogan

Co-Founder & Chairman, Home Instead Senior Care

James Linder, MD

Chief Executive Officer, Nebraska Medicine

Susan Morris

Former President, Nebraska Philanthropic Trust

Connie Ryan

CEO & Chairperson, Streck

David Scott

Founder, Tetrad

Ben Stobbe

Assistant Vice Chancellor for Clinical Simulation, iEXCEL, UNMC

Amy Volk

Senior Vice President and Chief Development Officer, University of Nebraska Foundation

Michael Yanney

Chairman Emeritus, The Burlington Capital Group, LLC

Strategic Advisory Group

meets quarterly; engages UNMC Vice Chancellors, Deans and leaders, including representation from the University of Nebraska Foundation and Nebraska Medicine.

This group provides insight and strategic direction to ensure iEXCEL serves as a meaningful, interprofessional and experiential resource for faculty, staff and students.

Pamela Boyers, PhD

Associate Vice Chancellor, Clinical Simulation, iEXCEL, UNMC

Dele Davies, MD

Interim Chancellor, UNMC

Brian Boerner, MD

Assistant Professor, Internal Medicine, COM; Director, IAE

Emily Glenn, MSLS

Dean, McGoogan Library of Medicine, COM, UNMC

Gerry Kugel, DMD, PhD

Dean, College of Dentistry (COD), UNMC

Ken Bayles, PhD

Vice Chancellor, Research, UNMC

Keith Olsen, PharmD

Dean, College of Pharmacy (COP), UNMC

Benjamin Stobbe, RN, MBA

Assistant Vice Chancellor, Clinical Simulation, iEXCEL, UNMC

Kyle Meyer, PhD

Dean, College of Allied Health Professions (CAHP), UNMC

Karen Burbach, MA

Director, Communications & Engagement, UNMC

Bradley Britigan, MD

Dean, College of Medicine (COM), UNMC

Lepaine Sharp-McHenry, DNP, RN, FACDONA

Dean, College of Nursing (CON), UNMC

Devin Nickol, MD

Associate Dean, Interprofessional Education; Associate professor (COM), UNMC

Rodney Markin, MD, PhD

Director, UNeTech Institute and Assoc. Vice Chancellor for Business Development at University of Nebraska Medical Center

Carol Hasbrouck

iEXCEL IPE Consultant

Chandranth Are, MD

Associate Dean of Graduate Medical Education (DIO)

Beth Culross, PhD, RN, GCNS-BC

Assistant Professor, Director, LRC & IPAE, UNMC

Ali Khan, MD, MPH, MBA

Dean, College of Public Health

Jessica Janssen Wolford

Senior Director for Development, UNMC, University of Nebraska Foundation



4th annual iEXCEL Innovation Awards

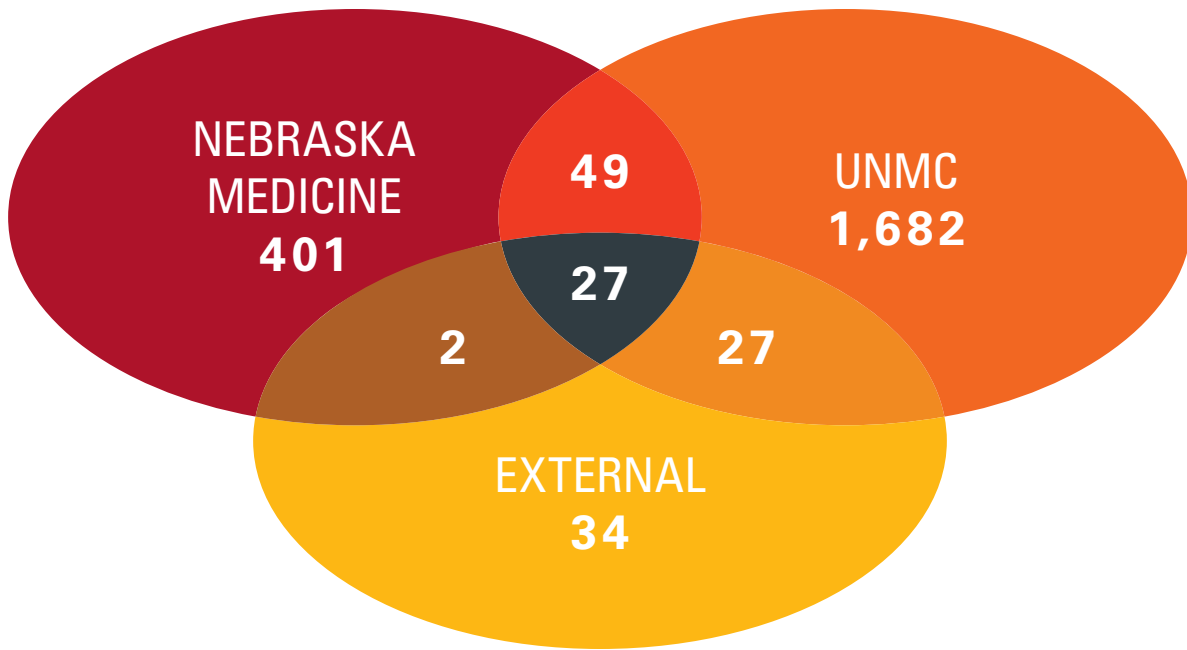
iEXCEL recognized faculty who created and implemented new ideas for teaching, research and scholarship using simulation technologies and the unique capabilities of the Davis Global Center.

- ✿ **ACADEMIC AWARD:** Cory Rohlfen, MD, assistant professor, UNMC College of Medicine, Development of HEAL OSTE, an innovative training preparing students on the teaching track through human simulation activities involving peer evaluation and self-reflection.
- ✿ **CLINICAL AWARD:** Emily Delaughter, Erica Dowling, Lisa Drew, Amanda Ellis, Amanda Jensen, Jacquelyn Kellar, Kari Nosal, Nebraska Medicine, Implementation of procedural nursing simulations through the creation of innovative iWall modules.
- ✿ **COLLABORATIVE INTERPROFESSIONAL EDUCATION AWARD:** Nicole Carritt, Kelli Jones Schneegass, UNMC Office of Rural Health Initiatives, Creation of an interprofessional activity involving UNMC rural pathways students, who connected from several UNMC campuses simultaneously using iWall technologies.
- ✿ **IMPACT AWARD:** Sean Figy, MD, assistant professor, UNMC College of Medicine, Development and implementation of interdisciplinary surgical simulations involving ENT and urology for complex cases.
- ✿ **NEBRASKA MEDICINE AWARD:** KP Gesch, Nebraska Medicine Women and Infant Service, Advancement of simulation within the Davis Global Center, including Nebraska Medicine nurse orientation, UNMC High School Alliance and UNMC College of Nursing interprofessional obstetrics simulations.
- ✿ **STUDENT AWARD:** UNMC Student Interprofessional Society, UNMC Interprofessional Education and UNMC Academic Affairs, Development of training modules highlighting bias in health care through realistic and engaging simulation scenario videos.
- ✿ **TEACHING TECHNOLOGIES AWARD:** Lisa Fuchs, EdD, associate professor, UNMC College of Allied Health Professions, Ongoing collaboration with iEXCEL to produce 3D interactive visualization modules that leverage multiple visualization technologies to establish a Master's in Respiratory Care program at UNMC.

iEXCEL

by the Numbers

INTERPROFESSIONAL SIMULATION PARTICIPANTS BY INSTITUTION 2024



320
IPE Sims









49,510
learners
in FY 2023-2024

2,394
activities
in FY 2023-2024

Busiest day to date:
04.20.24
involved 81
activities in DGC

Milestone reached!
160,000+
attendees since
DGC opening

SIMULATION ACTIVITIES FROM JULY 1, 2023 – JUNE 30, 2024

	Events	Learners/ Attendees	Hours
 Medicine	504	18,406	1,872.58
 Allied Health	421	8,046	1,320
 Dentistry	10	149	20.5
 Nursing	79	2,446	500.75
 Public Health	5	91	12.75
 Pharmacy	39	1,341	123.75
 Graduate Medical Education	400	4,551	1,261
 Nebraska Medicine	401	9,694	1,973.45

iEXCEL Operations & Data Strategy

Integrated into the Davis Global Center is a robust, comprehensive data capture system that tracks, analyzes and distributes data. Through tracking center usage and training outcomes, real-time feedback can be given to students and faculty. This comprehensive data capture model allows for simulation enhancement, improved training outcomes and a maximized return on investment for all stakeholders.

SimGHOSTS Conference



SimGHOSTS at iEXCEL

In the first week of August, nearly 400 simulation specialists from around the world gathered in Omaha for SimGHOSTS Conference 2023, hosted by the UNMC iEXCEL at the Davis Global Center. The four-day conference featured hands-on workshops, presentations, engaging vendor demonstrations and networking opportunities, all focused on the latest health care simulation technology and techniques.

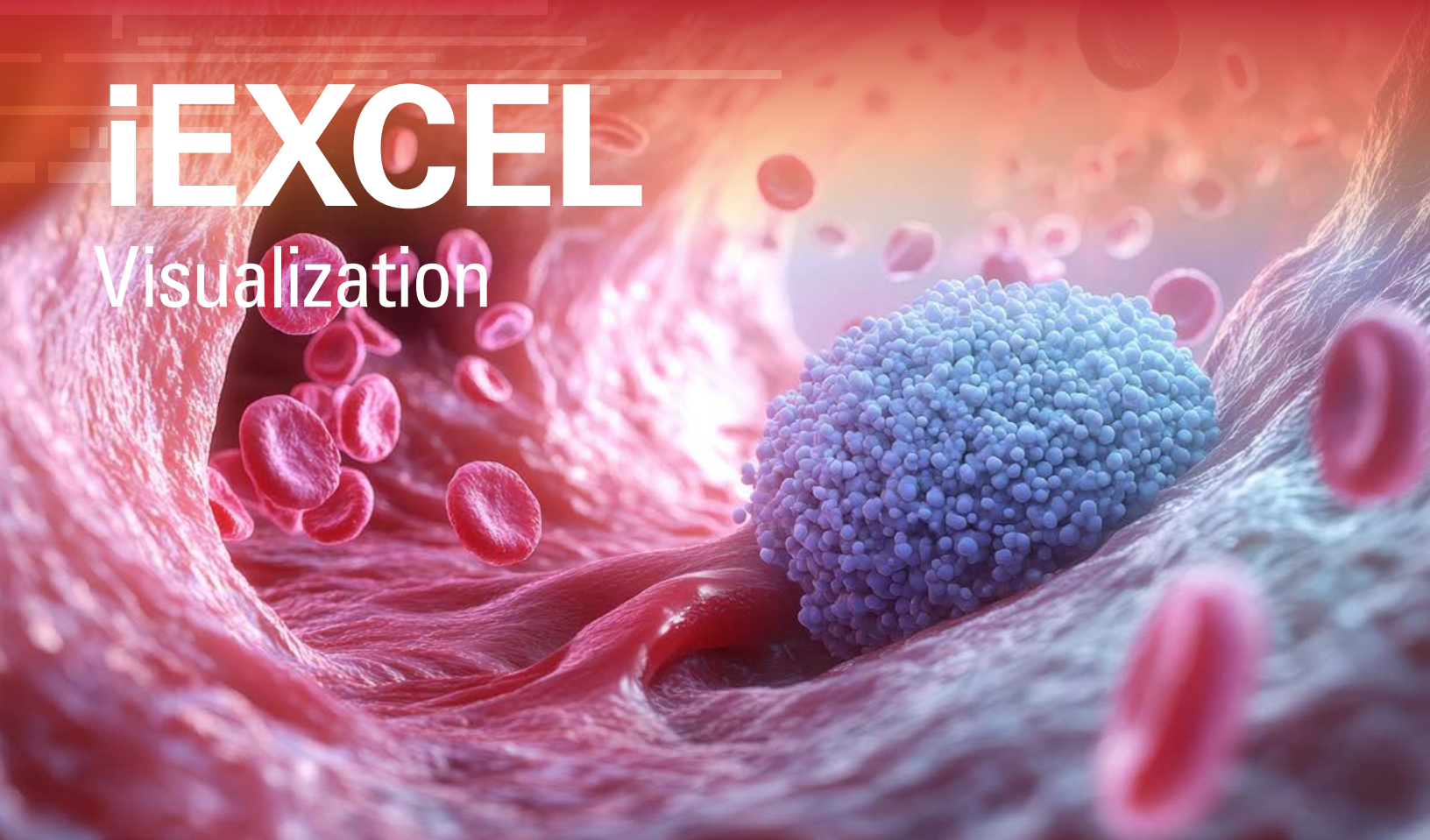
A significant highlight from the conference was the debut of live-streaming presenter holograms, showcasing cutting-edge advancements in visualization technology. The vendor fair also presented interactive demos involving the latest simulation technologies from more than 25 organizations to provide attendees insight into cutting-edge tools in the field.

Based on record breaking attendance and overwhelmingly positive feedback from speakers, attendees and organizers, this year's conference was the largest and most compelling SimGHOSTS gathering to date!



iEXCEL

Visualization



3D Brain Scan

Dr. Robert Norgren's neuroscience educational block embraced cutting-edge technology at iEXCEL to actually step inside 3D MRI scans to explore the brain in virtual reality.

Using head-mounted-displays (HMD), students are able to interact with 3D scans in entirely new ways to gain greater understanding of anatomical structures and neurological concepts.

A New Way to Train

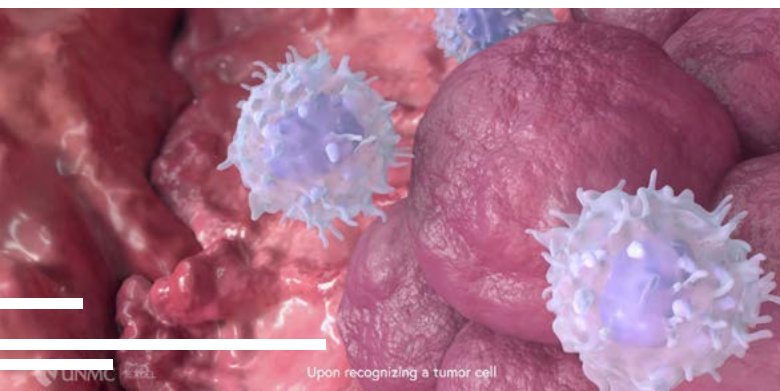
Nebraska Medicine nurses led by Karen Townsley and Caitlin Hagen adopted the iWalls to understand and learn to manipulate chest tubes. Session organizers worked with the iEXCEL visualization team to create interactive 3D models and a lesson plan that emphasized equipment part identification to better understand the various models of chest tube devices.





The **MAGICIANS** of **MEDICAL IMAGERY**

The Spring 2024 issue of Connect Magazine highlighted the iEXCEL Visualization team. This article explores the evolution of medical imagery while spotlighting the team of artists, animators and programmers who create ground-breaking teaching experiences for UNMC health care professionals. Congratulations to the team who works each day with faculty to create virtual and augmented reality experiences for our students, residents and faculty to bring learning to life.

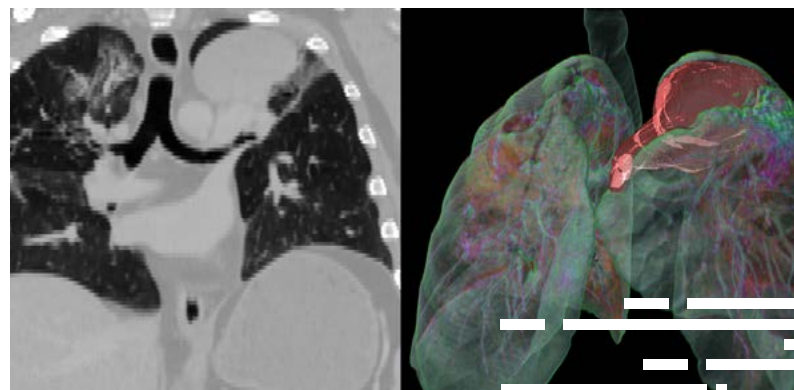


Content Creation and Awards for iEXCEL Visualization

Congratulations to the iEXCEL Visualization team who were presented the Premier Award in the Multimedia, Interactive Learning and Website Division by the BioCommunications Association for their NK Cell Toxicity animation. This project demonstrates the function of natural killer cells targeting diseased cells in the body highlighting the involvement of cytoplasmic granules in the process. The animation was created for medical students in cell biology class to supplement a self-paced eLearning module on blood cells.

iEXCEL Visualization CAHP

For this initiative led by Dr. Lisa Fuchs from the College of Allied Health Professions in collaboration with Nebraska Medicine physicians, iEXCEL 3D Generalist Wesley Fisher rendered a new visualization tool for learners. This 3D rendering of CT scans from a lung cancer patient helps students better comprehend complex oncological pathologies.



ADVANCED Clinical Simulation



Competencies Completed!

iEXCEL hosted a series of essential competency training sessions for Nebraska Medicine practitioners. Nurses practiced critical skills related to patient mobility and safety, while specialized teams, such as the Women's and Infant Services team, engaged in challenging simulations in creative ways—such as a water birth scenario set on an island. This unique approach to simulation allows learners to demonstrate both their skills and creativity.

Reaching Rural

Led by Dr. Kaitlin Dougherty, the Department of Emergency Medicine hosted a Rural Emergency Medicine course by creating hands-on activities in the Davis Global Center. Bringing health care providers from across Nebraska together ensured that participants engaged in high-fidelity simulations, ultrasound training and clinical skills stations. Interprofessional teams of physicians, nurse practitioners and physician assistants practiced a wide variety of procedures, enhancing their skills in adult and pediatric emergencies.



Disaster Drill – Outdoor Simulation

The Department of Emergency Medicine partnered with Gretna Fire & Rescue Department and LifeNet to create a realistic outdoor simulation scenario. The team practiced emergency lifesaving skills in critical situations including drowning, vehicular accidents and a mass tornado disaster. Residents led by Dr. Jason Langenfeld and Dr. Katherine Willet had to properly treat and care for patients while ensuring effective teamwork and communication skills with other emergency provider teams.



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HIGHLIGHTS



learners
41,418



activities
1,397

ADVANCED Human Simulation

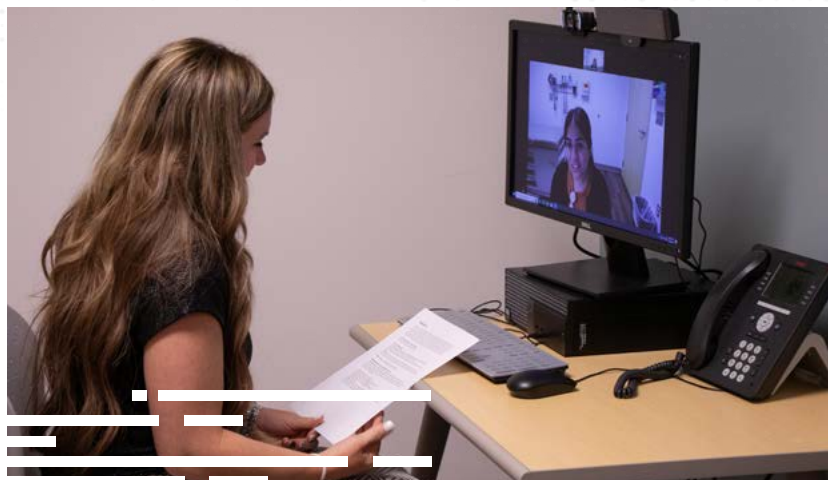


Physicists Practice Communication Skills

Dr. Megan Hyun and Medical Physics residents from the Department of Radiation Oncology collaborated with iEXCEL Standardized Patients to engage in simulated patient-provider communication exercises. Through this human simulation activity, physicists practiced articulating the intricacies of radiation treatment to oncology patients, fostering enhanced interactions, comprehension of the experience and patient care delivery.

HIGHLIGHTS

- 5 generations of SP actors
- SPs bilingual in the following languages:
 - › English
 - › Hindi
 - › Nepali
 - › Spanish
 - › Cantonese
 - › French
 - › West Africa dialects (Adja, Eve, Se, Fon, and Mina)
 - › Bengali
 - › Punjabi
 - › Igbo
 - › Portuguese
 - › French
 - › Vietnamese
- 566 virtual and in-person sessions statewide
 - › Oversaw 42 intercampus simulations
- 166 simulations utilized simulation capture system for video review and standardized patient grading
- 2,137 SP roles scheduled and filled



SP Expansion & Telehealth Learning

The iXCEL Standardized Patients program continues to grow! College of Nursing students practiced telehealth scenarios reaching across the state. Meanwhile, the College of Allied Health Professions' Physician Assistant students utilized Standardized Patients for genitourinary and rectal exams in Kearney and Omaha, ensuring experiential learning opportunities for students on both campuses.



In your Patient's Shoes

Led by Dr. Amy Cutright, residents from the Department of Emergency Medicine experienced the patients' perspective through navigating an appointment with a health care provider who did not speak their language. This exercise highlighted communication challenges in order to help health care professionals empathize with future patients.

ADVANCED Surgical Simulation



Engineers in the Surgical Lab

The iEXCEL team collaborated with UNL Biological Systems Engineering students on a capstone project to address challenges with cadaver placement during surgical simulations. Their objectives included securing cadavers in the lateral position to prevent tipping, minimizing sliding during procedures, and stabilizing the cadaver on the operating beds. The students developed a prototype device to enhance surgical simulation. This research-driven student project represents a valuable advancement in surgical simulation technology.

Residency Prep Course: Surgical Escape Room

Fourth-year College of Medicine students prepared for residency by putting their skills to the test with an escape room game! Created by the iEXCEL team in partnership with Dr. Jessica Veatch, students raced to the finish line solving challenges and demonstrating proper surgical techniques.





Father and Son Demonstrate Surgical Teamwork

Dr. Ned Amendola, a sports medicine surgeon at Duke University, was a guest lecturer for the UNMC Department of Orthopaedic Surgery and Rehabilitation. Following the lecture, his son, Dr. Richard Amendola, an orthopaedic surgeon at UNMC, joined him for a surgical simulation education session for residents. This special, intergenerational simulation featured the father-son surgical duo conducting an osteotomy lab for practicing clinicians and students.

HIGHLIGHTS



learners
5,876



activities
395

COMMUNITY and Business Engagement



Girls, Inc. Rad Girls

Girls, Inc. students visited UNMC with the College of Medicine’s Radiology Interest Group. Using iEXCEL technologies, UNMC students led the Girls, Inc. learners in experiencing hands-on instruction for both clinical and surgical radiology with the goal of exposing them to various career opportunities in the field.



Creating Training Content with Munroe Meyer Institute

iEXCEL partnered with the Munroe-Meyer Institute to develop a web platform that outlines protocols for care providers managing severe behavior situations. The module includes a series of instructional videos demonstrating each protocol, along with an interactive platform to guide users through various scenarios.



Impactful Patient Events

Through an event organized by the University of Nebraska Foundation, Dr. Jayme Dowdall unveiled her latest, groundbreaking visualization tools designed for tracheostomy and trach management for an audience of former patients and donors. These sessions facilitated connection and community building, as many of the patients involved had never met others living with trachs. Through these sessions, patients were able to connect, bond and support one another in their health care journeys.

HIGHLIGHTS



3,063
visitors



424
tours & events

This year's many partners include AIM Institute, Bio Nebraska, Omaha STEM Ecosystem, UNMC High School Alliance, UNMC UBEATS, Rural Pathways, SHPEP, Omaha Chamber of Commerce, Girls, Inc., NorthStar, North High School, Central High School, Omaha Public Schools, Bryan High School, Buena Vista High School, Millard Public Schools, Kiewit Luminarium, University of Nebraska – Omaha Scott Scholars, and more!

iEXCEL

Press and Media

- **Inquiring UNL retirees visit UNMC, Davis Global Center** - May 30, 2024
- **Hytens visit UNMC for tour with leadership** - May 23, 2024
- **iEXCEL awards honor excellence in clinical simulation** - March 27, 2024
- **UNMC: Creating a healthier future** - March 8, 2024
- **Retirees visit UNMC to tour cancer center, Davis Global Center** - February 23, 2024
- **Clinical perfusion simulation program recognized among best** - January 8, 2024
- **UNMC joins with Girls Inc. to showcase radiology field** - November 29, 2023
- **UNMC welcomes assistant secretary of defense for tour** - November 10, 2023
- **Simulating to Keep Patients Safe** - November 8, 2023
- **President's Advisory Council experiences UNMC's 'vision of excellence'** - November 8, 2023
- **UNMC pioneers combination of AI, simulations and extended reality** - October 24, 2023
- **Transforming the skywalk – and health care education** - October 4, 2023
- **UNMC hosts dean of Air Force School of Aerospace Medicine** - October 3, 2023
- **'Practice, practice, practice': UNMC students engage in tornado disaster training in Gretna** - September 21, 2023
- **Disaster simulation gives Nebraska Med students emergency experience** - September 21, 2023
- **Nebraska med students team up with first responders for emergency medicine simulation** - September 21, 2023
- **Posterboard to pixels: Med students keep up with digital trend** - August 17, 2023
- **iEXCEL showcases advances as host of simulation conference** - August 11, 2023
- **Summer health professions students see what's possible** - August 7, 2023
- **UNMC hosts medical simulation conference, drawing hundreds to Davis Global Center** - August 4, 2023
- **SimGHOSTS 2023 Hosted at UNMC iEXCEL: One of World's Best Healthcare Simulation Centers** - August 3, 2023
- **Global medical simulation conference coming to UNMC** - July 24, 2023
- **SIM-NE evolves, celebrates statewide training milestone** - July 17, 2023
- **UNMC partners in effort to retain and attract diverse grads** - July 17, 2023
- **Older adults help train fledgling medical pros** - July 1, 2023

SCHOLARLY PUBLICATIONS

- Homer, C. J., Carlson, K., Marshall, N., Peavy, R., Bingchang, C. M., McClain, J. & Dowdall, J. R. (2024). Mastering a Life-Saving Technique: Analysis of Learning from a Cricothyrotomy Workshop. *Educational Research: Theory & Practice*, 35(2), 60-67. ISSN 2637-8965
- Boyers, P.J., Gold, J.P., Wilroy, J. (2024). Teaming with the Metaverse and GenAI to Advance Remote Healthcare Delivery, *Defence Global*, 2024.
- Boyers, P. J., Misra, A., Stobbe, B., Gold, J. P., & Davies, D. (2024). Call for an interprofessional, experiential, performance-based model for health professions education. *International Journal of Healthcare Simulation*, doi:10.54531/ythz1756
- Boyers, P.J., Glass, B. (2024). Adoption of Virtual Reality in Health Professions Education: An Update. *Defense Global*, 2023.
- Samant, S., Bakhos, J. J., Wu, W., Zhao, S., Kassab, G. S., Khan, B., ... & Chatzizisis, Y. S. (2023). Artificial Intelligence, Computational Simulations, and Extended Reality in Cardiovascular Interventions. *JACC: Cardiovascular Interventions*, 16(20), 2479-2497.
- Siebler, J., Bouckhuyt, J., & Mormino, M., (2023). Orthopaedic Surgery First-Year Resident Surgical Skills Month Curriculum. *JBJS Open Access*, 8(2). doi: 10.2106/JBJS.OA.22.00058
- Kotcherlakota, S., Beam, E., Ricks, B., Swanson, R., Schuelke, S., Rodrigues Armijo, P., Glass, B., Wilt, J., & Siu, K. (2023). An interprofessional network approach to increase XR use in healthcare. In Cherner, T., & Fegely, A. (Eds). *Bridging the XR Technology-to-Practice Gap: Methods and Strategies for Blending Extended Realities into Classroom Instruction*, Volume 1 (pp.169-186). Association for the Advancement of Computing in Education (AACE).

PRESENTATIONS & ABSTRACTS

- Boyers, P. J., Stobbe, B. & Misra, A. Presenters. An Interprofessional, Experiential, Performance-based Model for Healthcare Professions. Webinar at HealthySimulation.com. 06/2024. Omaha, NE.
- Glass, B. Career Exploration Panel: Creative Arts & Design AFA. Panelist. Metropolitan Community College Career Exploration Panel. 05/2024. Elkhorn, NE.
- Stobbe, B. Using Data to Your Advantage: Demonstrating your ROI. Presenter. International Congress Healthcare Simulation: International Symposium in Operations. 05/2024. Buenos Aires, Argentina.
- Stobbe, B. Surgical Simulation Round Table: Surgical Simulation Operations. International Congress Healthcare Simulation: International Symposium in Operations. 05/2024. Buenos Aires, Argentina.
- Stobbe, B. Building, Maintaining and Celebrating Your Team: A Pathway to Success. Presenter. International Congress Healthcare Simulation: International Symposium in Operations. 05/2024. Buenos Aires, Argentina.
- Stobbe, B. Building a Simulation Program: Going from Organic to Organized. Presenter. International Congress Healthcare Simulation: International Symposium in Operations. 05/2024. Buenos Aires, Argentina.

- Rappolt, A. M., Boyers, P. J., Stobbe, B. B., Are, C., Lowndes, B. & Armijo, P. R. Interprofessional Education and Adoption of Simulation-based Training: Which Professions are Engaging and What is Being Assessed? Presenters. ACS Surgical Simulation Summit. 03/2024. Chicago, IL.
- Sullivan, J., Boyers, P. J., Stobbe, B. B., Are, C. & Armijo, P. R. Trends and Needs Assessment of Simulation-based Training in Rural Nebraska. Presenters. ACS Surgical Simulation Summit. 03/2024. Chicago, IL.
- Sullivan, J., Boyers, P. J., Stobbe, B. B., Are, C. & Armijo, P. R. Evaluation of the Simulation in Motion-Nebraska (SIM-NE) Training Program at iEXCEL-UNMC. Presenters. ACS Surgical Simulation Summit. 03/2024. Chicago, IL.
- Armijo, P. R., Pachunka, J., Kriss S., & Rohlfen, C. Impact of Observed Structured Teaching Exercises (OSTE) on Teaching Skills and Behavioral Change in a Clinician Educator Track Program. Presenters. 2024 Interprofessional Academy of Educator's Spotlight on Scholarship. 03/2024. Omaha, NE.
- Armijo, P. R., Barias, T., Liu, A., Fung, K., & Yuen, E. Building Interprofessional Cultural Competency: Using Simulation and Improvisation to Address Intergenerational Issues in Asian American Pacific Islander (AAPI) Families. Presenters. 2024 Interprofessional Academy of Educator's Spotlight on Scholarship. 03/2024. Omaha, NE.
- Boyers, P. J., Hollins, M. & Varandani, D. Bringing Learning to Life: A Paradigm Shift for Health Professions Education. Presenters. 8th Annual Virtual Reality and Healthcare Global Symposium. 03/2024. Tampa, FL.
- Hoffman, B., Koth, J., Michael, K., Sanderson, S., Stobbe, B. Innovative Clinical Fieldwork: Thinking out of the box (Part 2). ASAHP Webinar. 11/2023. Virtual.
- Hollins, M. iEXCEL Capabilities. TED Talk. Innovate Nebraska - Building the Healthtech Ecosystem. 09/2023. Omaha, NE.
- Armijo, P. R., Dye, P., Rogers, S., Peavy, R. & Kriss, S. Workshop: How to incorporate simulation and/or visualization into healthcare training. Presenters. InnovatED Symposium. 09/2023. Omaha, NE.
- Armijo, P. R., Dye, P. & Stobbe, B. Demystifying simulation-based education: An experiential iWall opportunity for Simulation Operations Specialists. Presenters. SimGHOSTS. 08/2023. Omaha, NE.
- Kriss, S., Nolker, J. & Lingel, C. Application of Video Communication in Telemedicine Simulation. Presenters. SimGHOSTS. 08/2023. Omaha, NE.
- Kriss, S., Nolker, J., Lingel, C. & Acharya, N. Application of Text-to-Speech Technology in Interpreter Simulation. Presenters. SimGHOSTS. 08/2023. Omaha, NE.
- Lockhart, T. J., Kriss, S. & Oxtoby, A. Utilizing Hybrid and Interprofessional Simulation to Improve Team Dynamics. Presenters. SimGHOSTS. 08/2023. Omaha, NE.
- Dye, P., Glass, B. & Varandani, D. Bringing Learning to Life: The iEXCEL Visualization Team - VR/AR, 3D & Holographic Visualization in Medical Education. Presenters. SimGHOSTS. 08/2023. Omaha, NE.
- Calberg, J. Analyzing a Simulation Center. Presenter. SimGHOSTS. 08/2023. Omaha, NE.

- Whannel, J. & Oxtoby, A. Low Cost No Cost Task Trainers. Presenter. SimGHOSTS. 08/2023. Omaha, NE.
- Staab, J. How Simulation in Motion-Nebraska is bringing Emergency Care Training to rural Nebraska. Presenter. SimGHOSTS. 08/2023. Omaha, NE.
- Rogers, S., Armijo, P. R., Langenfeld, J., Culross, B. & Kilstrom, J. Everything You Want to Know but Are Afraid to Ask - Conversations with Faculty. Presenters. SimGHOSTS. 08/2023. Omaha, NE.
- Oelschlager, P. Discover the Power of In-Situ Training and Standardized Patients in Healthcare! Presenter. SimGHOSTS. 08/2023. Omaha, NE.
- Rembrandt, R. Simulation Inoculation: Why using a child's thought process improves simulation. Presenter. SimGHOSTS. 08/2023. Omaha, NE.
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