

DR. EDWIN G. & DOROTHY BALBACH
DAVIS GLOBAL CENTER

iEXCELSM Annual Report

July 2021 – June 2022

The background features a teal horizontal bar on the left side. To the right of this bar, there are several wavy, horizontal stripes in shades of teal, olive green, and gold. The entire background is covered with a fine, light gray dot pattern.

iEXCEL Vision

Improving Human
Performance
& Effectiveness
in Health Care.

iEXCEL Executive Summary



Pamela Boyers, PhD
Associate Vice Chancellor
Clinical Simulation, iEXCEL

It is hard to believe that on March 1, 2023, iEXCEL will be entering Year 3 of operations! It is with confidence that the iEXCEL team can look back on the year as one of tremendous growth and expansion. We are witnessing significant acceleration in the adoption of interprofessional and experiential learning by the health science colleges, as well as Nebraska Medicine and external partners. Our multifaceted iEXCEL teams, including surgical, clinical and human patient simulation, visualization and the SIM-NE mobile units, continue to innovate with UNMC faculty, students and the broader health care community.

As we begin this third year of operations, it is becoming increasingly clear that we are entering a new phase of development. Through purposefully nurturing organic growth and innovation, iEXCEL has generated a high volume of participants and an extraordinary level of national and global interest, necessitating a highly functional infrastructure. This includes, developing a data capture system; reviewing processes for efficiencies; identifying staffing gaps; streamlining tours, and building a robust health professions performance assessment framework.

As I reflect on the past year, we highlight and give thanks to the incredible commitment of the interdisciplinary iEXCEL team who offer support with the transition to interprofessional, experiential learning. This group of simulation technicians, engineers, computer scientists, artists, content creators, graphic designers and business experts kept the Davis Global Center safely up and running throughout the pandemic. Many lessons learned throughout this time of great innovation are now being embedded in our daily offerings. These include significant use of the interactive digital walls that are connected statewide and working with faculty to encourage small groups for interactive, hands-on learning activities.

With the academic mission now underway, we will be placing emphasis on developing our business mission and expanding the opportunities available for iEXCEL.

We come to the close of this fiscal year with great sense of gratitude to all who saw the potential of iEXCEL and in transforming the learning environment for our students, faculty and clinicians. It is through your support that we continue to transform health professions education.

With sincere thanks,

A handwritten signature in black ink, which appears to read "Pamela Boyers". The signature is fluid and cursive, written on a light-colored background.



iEXCEL Team

Leadership

Pamela Boyers, PhD

Associate Vice Chancellor, Clinical Simulation, iEXCEL

Benjamin Stobbe, MBA, RN

Assistant Vice Chancellor, Clinical Simulation, iEXCEL

Administration

Frank Bogatz, BSBA

Associate Executive Director, Business & Data

Michael Hollins, MPA, MA

Associate Executive Director, Community & Business Strategy

Jenni Bouckhuys, BMS

Director, Simulation Operations

Elisabeth Barrett, MPA

Marketing & Production Coordinator

Kiley Dinsmore, BS

Simulation Operations Associate

Elizabeth Husmann, BA

Marketing/Administration Associate

Keely Lovgren, MA

Administrative Program Associate, iEXCEL/IPE

Nicholas Madson, BS

Program Coordinator, Senior Administration

Amber Mekush-Harter, BS

Database Systems Administrator

Jesse Carlberg

Web/Database Administrator

SIM-NE

Douglas Dekker, BS, NRP

Program Manager, SIM-NE

Lori Cooley

Program Associate, SIM-NE

Meg Davis, BS

Assistant Manager – Administration, SIM-NE

James Staab, Paramedic

Central Regional Coordinator

Lead Instructor, SIM-NE

CJ Prewitt, NRP, EMS-I

Northeast Regional Coordinator

Lead Instructor, SIM-NE

Robby Rhembrandt, NRP, EMS-I, FP-C, CCP

Western Regional Coordinator

Lead Trainer, SIM-NE

Phillip Oeschlager, NRP, FP-C, EMS

Southeast Regional Coordinator

Lead Field Trainer, SIM-NE

Visualization

Christine Allmon, BS

Director, Visualization Program &

Academy Operations

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

Data Visualization Artist

Maria Holloway

Production Assistant

Neil Humphrey, BSBA

UX/UI Designer

Anthony Lanza, BS

3D Generalist I

Nate Ryan

3D Generalist I

Dheeraj Varandani, BFA

Technical Artist

Jer Weann Ang, MS

Medical Illustrator

Jeremiah Wilt

Computer Programming Specialist

Advanced Simulation

Randi Peavy

Surgical Simulation Program Supervisor

Sarah Kriss, BS

Manager, Advanced Human Simulation Program

Samantha Rogers, MSA, CHSOS

Manager, Clinical Simulation Program

Anthony Brandner, MPA, RRT

Advanced Simulation Specialist

Austin Brake, EMS-1, NRP

Advanced Simulation Specialist

Andrew Oxtoby

Advanced Simulation Specialist

Jeff Whannell, AS, EMS-I, NRP

Advanced Simulation Specialist

David Hyde

Clinical Simulation Operations Technician

Jessica Nolker, BA

Simulation Operations Specialist

Wayne Howell III, RT(R), ARRT

Advanced Surgical Simulation Specialist I

Bethany Collins

Human Simulation Technician

Terri Williamson

Advanced Simulation Specialist I

Chad Lingel, BMS

Human Simulation Program Associate

Kylie Schnell

Surgical Support Technician

iEXCEL Interns

James Davis

Front End Web Design Intern

Jack Landon

Research & Database Intern

Charlie Roskins

3D Generalist Intern

Dillon Scott

Technology Hardware Intern

Shivani Varandani

3D Generalist Intern

iEXCEL Oversight & Governance

The iEXCEL Advisory Board, Executive Committee & Strategic Advisory Group provide critical insight & 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.

BOARD MEMBERS

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

Doug Ewald

Executive Associate Athletic Director & Chief Financial Officer, University of Nebraska System

Jeffrey P. Gold, MD

*Chancellor, UNMC
Executive Vice President & Provost, University of Nebraska System*

Paul Hogan

Co-Founder & Chairman, Home Instead Senior Care

Susan Morris

President, Omaha Philanthropic Trust

Connie Ryan

President, Streck, Inc.

Walter Scott

Chairman Emeritus, Peter Kiewit Sons', Inc.

Ben Stobbe

Executive Director, Clinical Simulation, iEXCEL, UNMC

Amy Volk

Senior Vice President, University of Nebraska Foundation

Michael Yanney

Chairman Emeritus, The Burlington Capital Group, LLC

Executive Committee

meets monthly; Provides strategic oversight for the iEXCEL business mission, including budget, business development opportunities and expansion of programmatic delivery. The committee ensures successful growth for iEXCEL in the development of educational and business applications for simulation and visualization.

COMMITTEE MEMBERS

Pamela Boyers, PhD

Associate Vice Chancellor, Clinical Simulation, iEXCEL, UNMC

Anna Maria Dowd

Co-Founder, Digital Innovation Engine

Doug Ewald

Executive Associate Athletic Director & Chief Financial Officer, University of Nebraska-Lincoln Athletics

Jeffrey P. Gold, MD

*Chancellor, UNMC
Executive Vice President & Provost, University of Nebraska System*

Lisa Roskens

Chief Executive Officer, The Burlington Capital Group, LLS

Ben Stobbe

Assistant Vice Chancellor, Clinical Simulation, iEXCEL, UNMC

Ken Swain

Global Advisor, FUTUR, LTD

Michael Yanney

Chairman Emeritus, The Burlington Capital Group, LLC

Strategic Advisory Group meets monthly; 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.

GROUP MEMBERS

Chandrakanth Are, MD

Associate Dean, Graduate Medical Education (DIO), UNMC

Pamela Boyers, PhD

Associate Vice Chancellor, Clinical Simulation, iEXCEL, UNMC

Brian Boerner, MD

Assistant Professor, Internal Medicine, College of Medicine, & Director, Interprofessional Academy of Educators, UNMC

Bradley Britigan, MD

Dean College of Medicine, UNMC

Karen Burbach

Senior Associate Director, Strategic Communications, UNMC

Beth Culross, PhD, RN, GCNS-BC

Assistant Professor & Director, LRC, IPAE, UNMC

H. Dele Davies, MD

Senior Vice Chancellor, Academic Affairs, UNMC

Carol Hasbrouck

iEXCEL Interprofessional Education Consultant

Janet Guthmiller, DDS

Dean, College of Dentistry, UNMC

Ali Khan, MD, MPH, MBA

Dean, College of Public Health, UNMC

Jessica Janssen Wolford

Senior Director for Development, UNMC, University of Nebraska Foundation

Meg Johnson

Assistant Vice President of Development, University of Nebraska Foundation

Jennifer Larsen, PhD

Vice Chancellor, Research, UNMC

Rodney Markin, MD, PhD

Director, UNeTech Institute & Associate Vice Chancellor for Business Development, UNMC

Emily McElroy

Dean, McGoogan Library of Medicine, UNMC

Kyle Meyer, PhD

Dean, College of Allied Health Professions, UNMC

Devin Nickol, MD

Associate Dean, Interprofessional Education & Associate Professor, College of Medicine, UNMC

Keith Olsen, PharmD

Dean, College of Pharmacy, UNMC

Juliann Sebastian, PhD

Dean, College of Nursing, UNMC

Benjamin Stobbe, MBA, RN

Assistant Vice Chancellor, Clinical Simulation, iEXCEL, UNMC



2nd Annual iEXCEL Innovation Awards

The second annual iEXCEL Innovation Awards recognized faculty who created & implemented new ideas for teaching, research & scholarship using simulation technologies & the unique capabilities of the Davis Global Center.



ACADEMIC AWARD

Jennifer Cera DNP, APRN-NP, WHNP-BC





iEXCEL Impact Award

Abbey Fingeret, MD, UNMC Division of Surgical Oncology, for the creation of a Residency Prep Course (RPC). Dr. Fingeret has been involved in multiple projects with iEXCEL including interprofessional telehealth simulations and student lead suture research, as well as the creation of Surgery Boot Camp and the RPC.



iEXCEL Nebraska Medicine Partnership Award

Angela Sivertson, Kristin Passler, Erin Herold, Catlin Hagen and Lisa Drew, for innovative use of iWalls by the Nebraska Medicine nursing staff.



iEXCEL Clinical Award

Kim Duncan, MD, UNMC Department of Surgery, for many surgical skills simulations held within the Davis Global Center.



iEXCEL Academic Award

Jennifer Cera, DNP, UNMC College of Nursing, for her 3D pelvic floor module.



iEXCEL Teaching Technologies

Justin Mott, MD, PhD, UNMC Department of Biochemistry and Molecular Biology, for laparoscopy and iWall mixed modality training sessions.



iEXCEL Collaboration Award

Liliana Bronner, UNMC Department of Family Medicine; Dean Collier, PharmD, UNMC College of Pharmacy; Kristen Cook, PharmD, UNMC College of Pharmacy; Pam Dickey, UNMC College of Allied Health Profession; Abbey Fingeret, MD, UNMC Department of Surgery; Mia Hyde, UNMC College of Allied Health Professions; Jannelle Reynolds, UNMC College of Allied Health Professions, for interprofessional telehealth human simulations.



iEXCEL Operations & Data Strategy

Integrated into the Davis Global Center is a robust, comprehensive data capture system that tracks, analyzes & distributes data. Through tracking center usage & training outcomes, real-time feedback can be given to students & faculty.

This comprehensive data capture model allows for simulation enhancement, improved training outcomes and a maximized return on investment for all stakeholders.

HIGHLIGHTS



Multi-platform

The data capture app is now compatible with a variety of devices including smartphones, tablets and personal computers via web browser.



Real-time

All information is updated as it happens, including up-to-the-minute statistics, charts, graphs, activities, attendees and value for all activities within the Davis Global Center.



Rapid Reporting

Users are empowered to generate multifaceted reports on demand with segmentable sections for groups of learners, training types and outcomes.

iEXCEL Simulation

Clinical Simulation

HIGHLIGHTS

First Responder Real-Life Practice

The iEXCEL simulation team worked with UNMC emergency medicine residents and Sarpy County Tactical Medical Team for training on life-saving procedures. Utilizing the Davis Global Center home unit, these interprofessional learners simulated a domestic dispute emergency and the transfer of care from the tactical team to health care providers.

We provide medical direction for the Sarpy County Tactical Team. Having that relationship, we provide oversight, education, training and it's one of those big education and training opportunities to make us the best prepared we can. Should something bad happen, all our folks are up to speed and know how to deal with those situations.

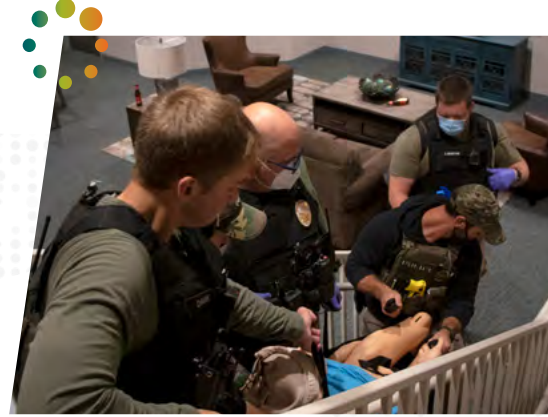
— Eric Ernest, Chief of Division of Prehospital and Emergency Medical Services at Nebraska Medicine

Remote Clinical Teaching

Occupational therapy students from the College of Allied Health Professions took advantage of the remote training capabilities in the Davis Global Center home unit to connect live with learners in Kearney. This hybrid approach involved distance learning with hands-on simulation to allow faculty member McKenzie Behrendt to simultaneously instruct students in both locations.

Ventilator Verification

iEXCEL partnered with Children's Hospital & Medical Center to test the effectiveness and accuracy of their pediatric ventilators. Leveraging the advanced capabilities of iEXCEL, mannikin simulators were used to safely test pediatric ventilators to ensure their readiness in emergency situations.



HIGHLIGHTS



1,963

Standardized Patient Roles

395

Events



395

Telehealth Events



Standardized Patient Training Sites

UNMC

- Davis Global Center
- Sorrell Simulation Lab
- College of Pharmacy
- Wittson Hall
- College of Nursing
- Center for Nursing Science
- Bennett Hall

Nebraska Medicine

- Fred & Pamela Buffett Cancer Center
- Village Pointe

UNO

Clarkson College
Telehealth
CHI Hospital
VA Hospital
Louisville Fire Department

iEXCEL Simulation

Human Simulation

Advanced Human Simulation trains medical professionals to successfully work with people of different backgrounds, ages, genders & cultures.



A diverse team of actors, referred to as *standardized patients*, portray patients, family members or other health care providers involved in various simulated scenarios. These actors are trained to provide communication-focused feedback to learners. Advanced Human Simulation sessions on UNMC campus take place in the Davis Global Center, Sorrell Clinical Skills Lab and the Pharmacy Simulation Lab, where realistic clinical environments and equipment add to learner immersion for improved outcomes. Advanced Human Simulation also collaborates with outside health care systems and external partners to enhance simulation-based learning throughout the state of Nebraska and beyond.



HIGHLIGHTS

Statewide Expansion

Standardized patients have expanded their reach to work with students at UNMC campuses across Nebraska. The Colleges of Dentistry and Nursing in Lincoln held in-person experiential learning sessions while Scottsbluff and Kearney campuses connected for remote telehealth training.

Telehealth

Standardized patient simulations enhanced students' understanding of the challenges and best practices for virtual and telehealth communication as it becomes increasingly critical to effective patient care.

Playing More Than Patients

Standardized patient roles are ever-expanding to meet the needs of our learners. This year, many of our human actors simulated roles other than the patient, often playing the part of spouses, parents and other loved ones during emotionally charged scenarios. Standardized patients are key in facilitating this practice of interpersonal skills and navigating difficult interactions in a safe space for learners.



iEXCEL Simulation

Surgical Simulation

HIGHLIGHTS



Emergency Surgical Course

Dr. Jayme Dowdall led a course for medical students, along with otolaryngology (ENT) and emergency medicine residents to practice an emergency cricothyrotomy. Practice makes perfect in this emergency procedure that can be a lifesaving intervention for opening patient airways.



Three-Day Sinus Course: ENT & Neurology

ENT and neurology students conducted a breakthrough course that included ten different simulation stations spanning three days of training. ENT and neurology residents worked side by side in practicing sinus, septal and endonasal orbital surgeries, as well as maxillectomies. Trainees practiced with the latest tools and technologies including drills, shavers, navigation and instrumentation to ensure mastery of these complex procedures.















Breakthroughs in Oral Surgery

Dr. Valmont Desa from the UNMC Department of Oral & Maxillofacial Surgery was joined by a team of surgeons to practice orthognathic and facial trauma procedures with iEXCEL. Utilizing the Davis Global Center's operating room and equipment made practicing these high-risk emergency scenarios an informative and engaging experience for everyone involved.



Clinical, Human Patient & Surgical Simulation Activities July 1, 2021 – June 30, 2022

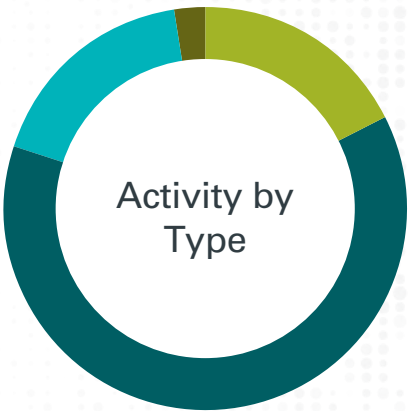


Categories		Events	Learners*
	Medicine M1, M2, M3 & M4 Students	 479	20,659
	Allied Health Physician Assistants, Physical Therapy, Diagnostic Medicine & Genetic Counseling	 386	8,080
	Colleges of Nursing, Pharmacy, Public Health & Dentistry	 540	5,670
	Nebraska Medicine MDs, Nurses & Respiratory Therapists	 298	5,212
	Graduate Medical Education Residents & Fellows	 379	4,139
	External Global Center for Health Security, ATLS, ACTN, FLS/FES Testing, etc.	 356	356

*May include repeat learners attending a new event.



- COPH
- COM
- COD
- CON
- COPH
- COP
- GME
- NM
- UNMC
- AA
- External




- Tours
- Education/Training
- Meetings
- Planning Sessions



iEXCEL Visualization

The iEXCEL visualization team is comprised of expert designers, artists & animators who produce highly accurate medical content for the 3D & virtual worlds. This team collaborates with subject matter experts including faculty, students & clinicians to create unique educational experiences utilizing state-of-the-art technologies within the Davis Global Center.

HIGHLIGHTS

-  **Educating Everyone – Public Press Conferences**
3D highly infectious disease training content developed for the federal government and ASPR was used for multiple press conferences featuring subject matter experts from the University of Nebraska and Nebraska Medicine. In one of these press conferences from December, Dr. James Lawler and Dr. Peter Angeletti highlighted the Omicron variant of the COVID-19 virus. Broadcast live from the Davis Global Center, this segment showcased 3D models and animations created by the iEXCEL visualization team. The broadcast explained how COVID mutates to create variants and why public health guidelines such as masking, vaccination and de-densification are important public safety measures for mitigation.

New Approach to COM Neuroblock

Dr. Robert Norgren collaborated with the iEXCEL team to enhance first-year College of Medicine students' curriculum with interactive technology and experiential learning. Participants experienced holographic neurological structures, interacted on iWalls to identify anatomy, and dissected virtual brain models via 3D workbenches before heading to the surgical simulation floor for craniotomies on cadaveric tissue.

Hillrom Digital Twin

iEXCEL was engaged by external industry collaborator, Hillrom, to develop a digital twin of the TS7000dV Surgical Table. The table was recreated as a virtual 3D model contextualized for web-based training, complete with a fully functioning digital remote control and user interface. Learners can practice operating the device in an open-ended fashion, while tutorials and narrated videos highlight specific features and capabilities of the TS7000dV used to improve clinical care.

Pediatric Hearts

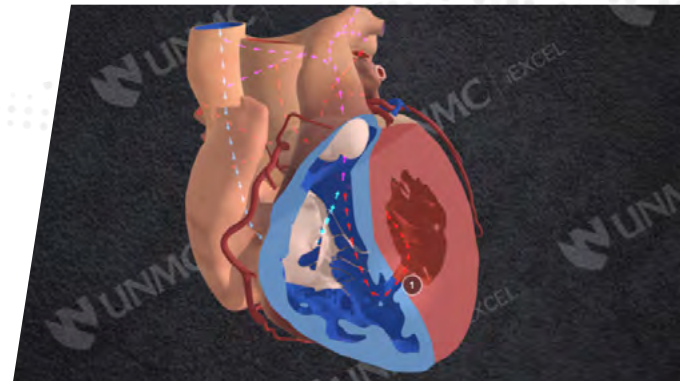
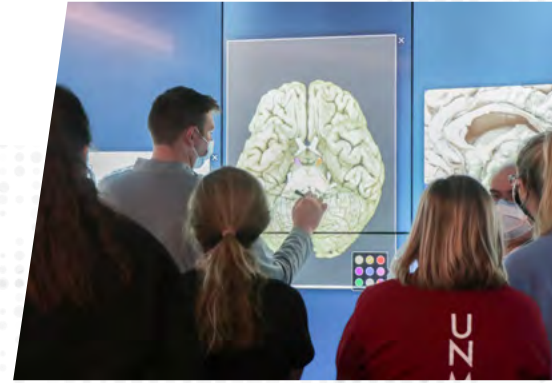
UNMC's College of Nursing and Cardiologists from Children's Hospital worked with iEXCEL to create a visual database of pediatric congenital heart defects. This interactive, online module illustrates structural features and bloodflow circulation within a variety of pediatric heart abnormalities. While countless UNMC students continue to learn from this content on a variety of 2D and 3D platforms within the Davis Global Center and on their own devices, clinicians at Children's Hospital intend to utilize these same visualizations for patient and parent education.

Visualization & Patient Care

The UNMC Departments of Psychiatry, Neurological Sciences, Neurosurgery and the McGoogan Health Sciences Library partnered with iEXCEL to improve patient care and reduce anxiety during deep brain surgery.

During deep brain surgery, patients remain awake and responsive to surgeons throughout the procedure. Patients wear a stereotactic cranium frame to stabilize their head while a plastic attachment, called a fiducial localizer box, obscures their view. These pieces of medical equipment are costly and not available until the procedure commences. Lack of patient familiarity with this cumbersome, intimidating device often causes anxiety and panic.

In order to help users adjust to the head frame, iEXCEL helped create an inexpensive, readily available 3D printed version that patients can try on prior to surgery to familiarize themselves with the procedure.





Simulation in Motion-Nebraska

Simulation in Motion – Nebraska (SIM-NE) seeks to enhance the quality & accessibility of emergency medical education to rural/frontier areas by delivering high-quality, technologically advanced simulation training to the Emergency Medical Care Providers in Critical Access Hospitals & ambulance services across the entire state.

SIM-NE Activities January 1, 2017 – June 30, 2022



4,597

Virtual Training
Attendees



89

Counties
Reached



78

Virtual Training
Events



682

In-Person Training
Events



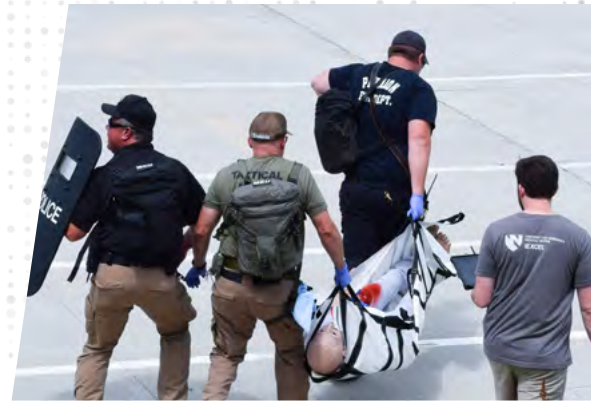
9,332

Health Care
Professionals Trained

HIGHLIGHTS

✚ SIM-NE in the Field

In June, SIM-NE led a training for the Sarpy County Tactical Medical Team. The SWAT team's busy day of practice scenarios included poly-trauma patient care, extraction of an injured individual from incident hot zones, cardiac arrest response, as well as heat exhaustion and stroke care.



✚ Priority Training for School Emergency Responders

SIM-NE visited rural primary and secondary schools to provide critical training to teachers and emergency responders. In expecting the unexpected, teachers trained on AED usage, asthma management, allergic reactions and anaphylaxis treatment among other scenarios. This training allows school systems and teachers to proactively plan for emergency situations and practice life-saving procedures so they are ready to act when the moment arises.



✚ Practice Produces Real Results

When the SIM-NE team visits a community on the road, they practice a comprehensive range of emergency skills, including labor and delivery. Despite not responding to an emergency delivery for over 20 years, Hildreth Fire & Rescue practiced the skill and within 48 hours received a call to put their practice to the test! Due to the training with SIM-NE, the Hildreth team delivered a healthy baby boy in the back of an ambulance!





iEXCEL Community & Business Engagement

Connecting with the community & area businesses is an important, ongoing effort to share the vision & impact of iEXCEL with engagement from local, national & global stakeholders.

HIGHLIGHTS

iEXCEL in the Community

Throughout the year, iEXCEL welcomed students from around Nebraska and the nation. Community engagement groups included Science Education Partnership Award (SEPA), Summer Health Professions Education Program (SHPEP) and the Ponca Youth Academy. At the Davis Global Center, students experienced how hands-on, interactive technology is used to train health care professionals. iEXCEL also took educational tools on the road, visiting K-12 schools in Waverly and Columbus as well as community events such as the NE SciFest at the Durham Museum.



Engaging Student Groups

iEXCEL collaborated with the UNMC Student Interprofessional Society to highlight racial bias in healthcare through simulated scenarios and a hybrid online/in-person seminar discussing disparities in health care.

Additionally, the iEXCEL Student Society hosted tours of the Davis Global Center to showcase the facility's visualization technologies for interprofessional education.

Holographic Creation

In addition to new holographs of notable figures including Dr. Stanley Truhlsen, Walter Scott Jr., Dr. Jeffrey Gold, President Ted Carter and more, iEXCEL expanded holographic content creation and student usage with Dr. Robert Norgren from the UNMC Department of Genetics, Cell Biology & Anatomy. In this new holographic introduction to his simulation class, students learn how the brain functions by showcasing spatial relations of major neurological structures in an immersive 3D format.



Statewide Broadcasts & Video Production

This year, iEXCEL collaborated on broadcast and video productions with internal partners including UNMC's Interprofessional Education Department (IPE), Office of Diversity, Equity & Inclusion (DEI), and Monroe-Meyer Institute (MMI), as well as external collaborators such as the American Heart Association (AHA).

Another major highlight was the production of a live virtual event entitled, *Digital Work Force Preparedness for a Changing World*. Streamed live from the Davis Global Center, this interactive panel featured leaders from government, military, industry and the University of Nebraska broadcasted to a national audience. This interdisciplinary panel of stakeholders identified challenges and opportunities facing the next generation of educators and learners amidst an ever-changing world.



Community & Business Engagement Activities July 1, 2021 – June 30, 2022



VISITORS

15,818

FY 16 – 22

3,291

FY 21 – 22



TOURS & EVENTS

732

FY 16 – 22

297

FY 21 – 22



ENGAGEMENT SESSIONS

71

Business &
Community

40

Philanthropy

134

University of
Nebraska

52

Government &
Military

iEXCEL Press

LOCAL & NATIONAL MEDIA

- BizNews Post Simulation tech played key role in staff training at this academic medical center during Covid-19, *MedCity News*, July 2021
- NewsBlock Simulation technology played a key role in training staff at this academic medical center during Covid-19, *NewsBlock*, July 2021
- HealthWatch: Avoid COVID Test Injury — ONPACE, *We Are Green Bay*, July 9, 2021
- Simulation tech played key role in staff training at this academic medical center during Covid-19, *MedCity News*, July 12, 2021
- ACS accreditation a 'crown jewel' for UNMC, *UNMC Today*, July 14, 2021
- State's fiscal analyst tours UNMC, *UNMC Today*, July 26, 2021
- Simulation in Healthcare: Bringing XReality to Healthcare Education, Training & Patient Care, *Defense Global*, Aug. 2021
- UNMC Dr. James Lawler, 'It's just like, here we go again': Doctors and nurses fear delta variant, *KETV Ch 7 Omaha*, Aug. 14, 2021
- UNMC Dr. James Lawler, COVID-19 delta variant: UNMC doctor explains what you need to know, *WOWT Ch 6 Omaha*, Aug. 5, 2021
- UNMC Dr. James Lawler, UNMC infectious disease specialist illustrates what you need to know about the delta variant, *KMTV 3 News Now O*, Aug. 5, 2021
- UNMC Dr. James Lawler, UNMC expert explains why delta variant of COVID is so infectious, *Omaha World Herald*, Aug. 5, 2021
- Two inmates died of COVID-19 on Thursday (iEXCEL Visualization Media Usage), *WOWT Ch 6 Omaha*, Aug. 13, 2021
- Making Omaha a medtech destination, *Modern Healthcare*, Sept. 7, 2021
- Dr. Boyers inducted into national simulation Hall of Fame, *UNMC Today*, Sept. 15, 2021
- UNMC and first responders use simulated domestic dispute to train agencies and advance skills, *KMTV 3 News Now*, Nov. 18, 2021
- Virtual Reality, 3D and 2D Learning: A study in Visual, Interactive Tools in the Field of Medicine by Paul Dye. Innovate Learning Summit. *Association for the Advancement of Computing in Education (AACE)*. Nov. 2021
- Drs. James Lawler & Peter Angeletti Ricketts, top doctors urge Nebraskans to get COVID vaccines tests, *Omaha World-Herald*, Dec. 20, 2021
- Drs. James Lawler, Peter Angeletti Nebraska medical experts give update on COVID-19 omicron variant, *WOWT Ch 6 Omaha*, Dec. 20, 2021
- Drs. James Lawler, Peter Angeletti Q&A on Omicron, masks, mandates, and more! *KPTM Ch 42 Omaha* Dec. 20, 2021
- Drs. James Lawler, Peter Angeletti It is more transmissible: UNMC doctors urge vaccination as experts learn more about omicron, *KETV Ch 7 Omaha*, Dec. 20, 2021
- Model-Based Systems-of-Systems Healthcare: Coordinating the Coordinators by Dr. Pamela Boyers. *In Recent Trends and Advances in Model Based Systems Engineering*, 2022

- SIM-NE cruises past 500th onsite training, *UNMC Today*, March 11, 2022
- iEXCEL honors innovation in health care, *UNMC Today*, March 17, 2022
- An iEXCEL iXR Visualization Academy: Preparing the Future Digital Workforce, Creating the Leaders of Tomorrow, *Defense Global*, May 2022
- Combating Anxiety With Innovation, *UNMC Today*, June 1, 2022

PRESENTATIONS & CONFERENCES

- Omaha STEM Ecosystem Panel presentation by Michael Hollins, *Heartland Developers Conference*, Nov. 1–3, 2021
- International Meeting on Simulation in Health Care (IMSH) presentation by Dr. Jason Langenfeld, *Society of Simulation Healthcare Summit*, Jan. 18, 2022
- Digital Work Force Preparedness for a Changing World presentation by Dr. Pamela Boyers, *UNMC campus in Omaha, Neb.*, March 3, 2022
- National Patient Safety Board Discussion Panel presentation by Dr. Pamela Boyers, *HealthySim Virtual Conference*, April 18, 2022
- Innovation in Global Health keynote presentation by Dr. Pamela Boyers, *Middle East Northern Africa (MENA) Conference in Gazianstep, Turkey*, May 30, 2022
- How to Have Effective Partnerships Discussion Panel presentation by Michael Hollins, *Nebraska Arts Council Virtual Statewide Conference*, Aug. 17, 2022

Web & Social Media



WEBSITE TRAFFIC

35,121
visits



REFERRAL TRAFFIC

1,251
visitors



SOCIAL MEDIA

315,167
impressions

Thank you to all our supporters who have made
iEXCEL and the Davis Global Center a reality.