iEXCEL Vision
Improving Human Performance & Effectiveness in Health Care.
As we entered the second year of operations in the Davis Global Center, preparations were well underway to celebrate the dedication of this world-class training and research facility. Thanks to the creativity of our colleagues from the NU Foundation and Strategic Communications, a series of virtual events was created to mark this important milestone. These events gave us wonderful opportunities to recognize the many who had given so generously of their time and resources to ensure the Davis Global Center was aesthetically stunning and supported by cutting edge technologies.

As I reflect on the past year, it is extremely important to highlight and give thanks to the incredible commitment of the iEXCEL team. This multidisciplinary group of simulation technicians, computer scientists, artists, content creators, graphic designers and business experts selflessly kept the Davis Global Center safely up and running throughout the pandemic. It was their absolute commitment to our faculty and students that made the year so successful. Throughout this academic year, the team continued to mature and expand their skills as “teams within a team.” Hence, a wide range of educational offerings emerged, resulting in novel experiential learning, new visualization models and live virtual broadcasts. Additionally, the team hosted significant and served as a key tool for recruitment and retention.

Community outreach was also a major focus for iEXCEL as the team became involved in many STEM activities for local schools and nonprofit organizations. Due to the efforts of each person in iEXCEL, exceptional administrative support, and partnering with innovative faculty and students, the adoption of simulation surged.

With the academic mission well underway, we purposefully began to focus on building the operational infrastructure. To fulfill the iEXCEL vision — improving human performance and effectiveness in health care — we are creating a unique data capture system that measures educational and training outcomes, community engagement activities and statewide outreach, as well as track the financial return on the significant investment.

We close out this academic year with pride of accomplishment and extreme gratitude to all who saw the potential of iEXCEL in transforming the learning environment for our students, faculty and clinicians. The future looks bright indeed for this new model of health professions education!

With sincere thanks,

Pamela Boyers, PhD
Associate Vice Chancellor
Clinical Simulation, iEXCEL
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
Director, Business Operations
Michael Hollins, MA
Director, Community & Business Engagement
Asit Misra, MD
Simulation Research Scientist
Elisabeth Barrett, MPA
Program Associate
Alex Erlandson, MS
Program Coordinator, iEXCEL Senior Administration
Beverly Luma, BMS
Administrative Program Associate, iEXCEL/IPE
Camilla Luma, BS
Administrative Program Associate
Amber Mekush-Harter, BS
Program Associate
Jennifer Tworek, BS
Administrative Associate II
SIM-NE

Douglas Dekker, BS, NRP
Program Manager, SIM-NE

Lori Cooley
Program Associate, SIM-NE

Meg Davis, BS
Assistant Manager, Administration/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

James Staab, Paramedic
Central Regional Coordinator
Lead Instructor, SIM-NE

Visualization

Christine Allmon, BS
Director, Visualization Program & Academy Operations

Bill Glass, MS
Artistic Director, iEXCEL Visualization

Brian Curtis, BA
3D Animation Visualization Specialist

Paul Dye, BFA
Graphic Arts Visualization Specialist

Wesley Fisher
3D Generalist – Basic

Maria Holloway
Production Assistant

Neil Humphrey
UX Designer

Anthony Lanza, BS
3D Generalist I

Duc Le, BS
Web Developer

TJ Nuckolls, BS
3D Generalist I

Nate Ryan
3D Generalist I

Dheeraj Varandani, BFA
3D Generalist I

Jeremiah Wilt
Computer Programming Specialist

Advanced Simulation

Jenni Bouckhyt, BMS
Surgical Simulation Program Supervisor

Sarah Kriss, BS
Advanced Human Simulation Program Supervisor

Samantha Rogers, MSA, CHSOS
Clinical Simulation Program Supervisor

Anthony Bradner, MPH, RRT
Advanced Simulation Specialist

Austin Brake, ASEMS, EMS-1, NRP
Advanced Simulation Specialist

Tabitha Mora
Advanced Surgical Simulation Specialist I

Andrew Oxtoby
Advanced Simulation Specialist

Randi Peavy
Advanced Surgical Simulation Specialist II

Jeff Whannell
Advanced Simulation Specialist
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**

**Mogens Bay**  
Chairman, Valmont Industries, Inc.

**Jeffrey P. Gold, MD**  
Chancellor, University of Nebraska Medical Center & University of Nebraska at Omaha

**Paul Hogan**  
Co-Founder & Chairman, Home Instead Senior Care

**James Linder, MD**  
Chief Executive Officer, Nebraska Medicine

**Susan Morris**  
President, Heritage Services

**Walter Scott, Jr.**  
Chairman Emeritus, Peter Kiewit Sons’, Inc.

**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**

**Jennifer Bartholomew**  
Director, Facilities Planning & Construction, University of Nebraska Medical Center

**Pamela Boyers, PhD**  
Associate Vice Chancellor, Clinical Simulation, iEXCEL, University of Nebraska Medical Center

**Jeffrey P. Gold, MD**  
Chancellor, University of Nebraska Medical Center & University of Nebraska at Omaha

**Ken Hansen**  
Associate Vice Chancellor & Director, Campus Facilities, University of Nebraska Medical Center

**Amy Jenson**  
Executive Director, Healing Arts Program, Business & Finance, University of Nebraska Medical Center

**Christopher Kratochvil, MD**  
Associate Vice Chancellor, Clinical Research, University of Nebraska Medical Center

**Bill Lawlor**  
Assistant Vice Chancellor, Business & Finance, University of Nebraska Medical Center

**Doug Ewald**  
Vice Chancellor, Business, Finance & Business Development, University of Nebraska Medical Center & University of Nebraska at Omaha

**Bill O’Neill**  
Director, Public Relations, University of Nebraska Medical Center

**Cindy Smith**  
Smith, Bourne & Associates

**Benjamin Stobbe**  
Assistant Vice Chancellor, Clinical Simulation, iEXCEL, University of Nebraska Medical Center

**Amy Volk**  
Senior Vice President, University of Nebraska Foundation

**Michael Yanney**  
Chairman Emeritus, The Burlington Capital Group, LLC

**Lisa Roskens**  
Chief Executive Officer, 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

Christine Arcari, PhD  
Associate Dean, Academic & Student Affairs, College of Public Health, University of Nebraska Medical Center

Pamela Boyers, PhD  
Associate Vice Chancellor, Clinical Simulation, iEXCEL, University of Nebraska Medical Center

Bradley Britigan, MD  
Dean, College of Medicine, University of Nebraska Medical Center

Karen Burbach  
Senior Associate Director, Public Relations, University of Nebraska Medical Center

H. Dele Davies, MD  
Senior Vice Chancellor, Academic Affairs, University of Nebraska Medical Center

Janet Guthmiller, DDS  
Dean, College of Dentistry, University of Nebraska Medical Center

Ken Hansen  
Associate Vice Chancellor & Director, Campus Facilities, University of Nebraska Medical Center

Meg Johnson  
Assistant Vice President of Development, University of Nebraska Foundation

Greg Karst, PT, PhD  
Executive Associate Dean, College of Allied Health Professions, University of Nebraska Medical Center

Daren Knoell, PharmD  
Chair & Professor, Department of Pharmacy Practice, College of Pharmacy, University of Nebraska Medical Center

Jennifer Larsen, PhD  
Vice Chancellor, Research, University of Nebraska Medical Center

Rod Markin, MD, PhD  
Associate Vice Chancellor, Business Development & Chief Tech Officer, University of Nebraska Medical Center

Kyle Meyer, PhD  
Dean, College of Allied Health Professions, University of Nebraska Medical Center

Devin Nickol, MD  
Associate Professor, Department of Internal Medicine–General Medicine-Academic, College of Medicine, University of Nebraska Medical Center

Juliann Sebastian, PhD  
Dean, College of Nursing, University of Nebraska Medical Center

Benjamin Stobbe, MBA, RN  
Assistant Vice Chancellor, Clinical Simulation, iEXCEL, University of Nebraska Medical Center
In October 2020, iEXCEL and the University of Nebraska Foundation hosted the official dedication ceremony of the Dr. Edwin G. & Dorothy Balbach Davis Global Center. Multiple engagements marked the occasion highlighting military and industry collaborators, faculty innovators and institutional stakeholders who made the project a reality.
Davis Global Center Dedication Week Activities

DEDICATION CEREMONY
Speakers from around the country highlighted the impact of the iEXCEL program and Davis Global Center as a transformational model for education, training and research.

Speakers:

Ted Carter  
President, University of Nebraska

Jeffrey P. Gold, MD  
Chancellor, UNMC

John E. Hyten  
General, U.S. Air Force

Robert Kadlec, MD  
Former Assistant Secretary for Preparedness & Response, U.S. DHHS

Jim Linder, MD  
CEO, Nebraska Medicine

Jim Pillen, DVM  
Chairman, Board of Regents, University of Nebraska

Pete Ricketts  
Governor, State of Nebraska

Chas Richard  
Admiral, U.S. Navy

Jean Stothert  
Mayor, City of Omaha

UNMC faculty, staff & students

NATIONAL TRAINING & SIMULATION ASSOCIATION (NTSA) PRESENTATION
Broadcast live from the Davis Global Center Holographic Theater, iEXCEL hosted an interdisciplinary panel titled, The Impact of COVID-19 on Health Care Training. Military and industry experts joined UNMC leaders to examine challenges, opportunities and innovations in simulation training throughout the pandemic.

Panelists:

Pamela J. Boyers, PhD  
Associate Vice Chancellor, Clinical Simulation, iEXCEL

Christopher J. Kratochvil, MD  
Associate Vice Chancellor for Clinical Research & Chief Medical Officer, UNeHealth

Michael Wadman, MD  
Chairperson & Professor, Emergency Medicine

Christie Barnes, MD  
Assistant Professor, Department of Otolaryngology – Head and Neck Surgery
iEXCEL Innovation Awards

The inaugural 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.

**iEXCEL Impact Award (COVID-19 Response)**
Christie Barnes, MD; Kristy Carlson, PhD; Jayme Dowdall, MD; & Samuel Pate, MD
Department of Otolaryngology Team Award
The team developed and facilitated nasopharyngeal swab and PPE training for more than 400 Nebraska Medicine clinicians, created evidence-based instructional videos on COVID-19 related procedures and hosted a live virtual event from the Davis Global Center that reached 4,405 individuals.

**iEXCEL Nebraska Medicine Partnership Award**
Justin Siebler, MD
Associate Professor & Chief of Orthopaedic Trauma
Dr. Siebler redesigned his curriculum for enhanced simulation, including a visualization module incorporating a virtual tibial nail orthopedic suite in addition to hands-on cadaver labs.

**iEXCEL Clinical Award**
Yiannis Chatzizisis, MD, PhD
Professor, Internal Medicine
Dr. Chatzizisis worked with iEXCEL to create an immersive cath lab application featuring virtual reality (VR) simulations of C-Arm operations, as well as volumetric 3D visualizations for stent design and deployment.

**iEXCEL Academic Award**
Amy Cutright, MD
Assistant Professor, Emergency Medicine
Dr. Cutright helped lead the Acute Care Block, a two-week session that prepares M3s for clerkships. The curriculum involved a mix of simulations, lectures, demonstrations, hands-on procedures and an objective structured clinical examination. The block also included a series of trainings pertaining to airway and procedure labs, as well as trauma and shock simulations.

**iEXCEL Collaboration Award**
Jason Langenfeld, MD
Assistant Professor, Emergency Medicine
Dr. Langenfeld led multiple simulation activities inside the Davis Global Center for emergency medicine residents monthly. He also contributed extensively on simulation design and instruction during the Acute Care Block. Additionally, Dr. Langenfeld was involved with numerous activities including an escape room, outdoor sim day, Halloween simulation, mock emergency department, COVID-19 PPE training and more.
iEXCEL Data Capture

Integrated into the Davis Global Center is a robust, comprehensive data capture system that tracks, analyzes & 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.

HIGHLIGHTS

- Mission-Driven Analytics Direct Data Decisions
  Created mission-based data model to influence decision-making processes

- Machine Learning & Predictive Analytics
  Improved program efficiencies and reduced operational spending

- Data Quality Improvement & Governance
  Increased quality of data sets through strict governance and analytics

- Implemented Data Visualization
  Created illustrations for macro and micro data into consumable, comprehensive reports

- Empowered End Users
  Enabled leadership, staff and learners to improve training and outcomes by offering real-time data on multiple devices
iEXCEL Simulation

ACS Accreditation

UNMC’s iEXCEL program & Department of Surgery received one of the nation’s most prestigious recognitions, having recently earned a five-year accreditation as a Comprehensive Accredited Education Institute (AEI) by the American College of Surgeons (ACS).

The overall goals of the ACS-AEI program are to enhance patient safety, address competencies that all learners must achieve and enhance access to hands-on comprehensive education. AEIs also conduct innovative research to advance simulation-based education.

There are two levels of accreditation, “Comprehensive” and “Focused,” each with specific requirements. The level of accreditation status differs based on the educational program’s focus, learners served, curriculum offered, technological capacity and resources available. In recently earning the top level status as a Comprehensive ACS-AEI program, iEXCEL has demonstrated its ability to develop original curricula, offer a broad spectrum of training programs and maintain the facilities, technology and expertise to conduct education and research activities maintaining a high standard of excellence.
We had a patient come in post-arrest to the Children’s ED with the LUCAS on. I was up at the head of the bed doing the initial assessment and I heard someone ask if anyone knew how we got the LUCAS off. I quickly instructed them to pull up on the yellow tabs and that it was a little heavy when removing it. Knowing how to do that definitely alleviated what could have been a very stressful situation, especially when it involves a child and emotions are already running high. No one else in the trauma bay knew how to remove the LUCAS and after they talked about how they want to have similar training for familiarity with the LUCAS. Overall, very, very thankful for the training because I wouldn’t have known how to remove it without the EMS day.

— Emergency Medicine Resident
C-STARS HOLDS INAUGURAL BIOCONTAINMENT CARE COURSE
In partnership with UNMC, Nebraska Medicine and the U.S. Air Force, Center for Sustainment of Trauma Readiness Skills (C-STARS) Omaha worked with iEXCEL to train in the Davis Global Center. Military health care professionals simulated caring for patients with highly infectious diseases in clinical and austere settings.

This is an incredible opportunity for the U.S. Air Force to partner with UNMC and Nebraska Medicine, world-renowned for their expertise in biocontainment care, innovative research and exceptional commitment to advancing quality health care and education. I feel very fortunate to be a part of this important project to enhance the preparedness of U.S. Air Force medical personnel.

— Lt. Col. Elizabeth Schnaubelt, MD

COLLEGE OF MEDICINE’S RESIDENCY PREP COURSE (RPC)
This new course provided UNMC graduates with the advantage of tailored simulation training to prepare for their upcoming residency specialties. Group learning sessions focused on clinical procedures, professional development, rapid team response, soft-skills and communication to supplement more individualized training per specialty areas through simulations involving manikins, standardized patients and interactive didactics.
Advanced Human Patient Simulation

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

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 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.
HIGHLIGHTED SCENARIOS

**Soft Skills**
- Interprofessional communication & coordination
- Multilingual, informed consent, non-verbal interactions
- Discussing medical errors, delivering bad news

**Telehealth**
- Interprofessional care, virtual interviews & interactions

**Counseling**
- Genetic, smoking cessation, drug & opioid addiction
- LGBTQIA+ sexual health, body dysmorphia

**Clinical**
- Psychological, COVID-19, transitional care
- Geriatric
- Neurology – stroke & epilepsy
- ADD & ADHD, bariatric weight loss
- Radiation, ultrasounds, trauma
- OBGYN & women’s health
iEXCEL Simulation
Advanced Surgical Simulation Highlights

ORTHOPEDIC PGY1 CURRICULUM
In February 2021, Dr. Justin Siebler implemented a brand new Orthopedic PGY1 curriculum. Each day of the month focused on a different skill led by a faculty expert, such as cadaveric tissue and dry labs utilizing sawbones. Learners also practiced sterile technique, fluoroscopy and casting in focusing on several specialty areas of orthopedics. Additionally, participants and instructors provided daily feedback to improve the course as it becomes an annual offering.

ROBOTIC SURGICAL SIMULATION
Robotic surgery has been a major focus in the Davis Global Center throughout the past year. iEXCEL recently collaborated with industry leader, Intuitive, who hosts quarterly trainings for the DaVinci robotic system within the Davis Global Center to provide certification for local, regional and national clinicians.

DEMOS & TECHNOLOGY SELECTION
Nebraska Medicine faculty and residents also participated in an interactive demo with the Intuitive ION Robot, a robotic-assisted bronchoscopy device. iEXCEL hosts these sessions to ensure subject matter expert insight and feedback to help guide robotic technology selection moving forward.

ROBOTIC CERTIFICATION SESSIONS
iEXCEL collaborated with Medtronic to bring the Mazor X Stealth Edition to the Davis Global Center. Nebraska Medicine neurosurgeons and UNMC faculty had the opportunity to go hands-on with this cutting-edge spinal robotic surgery system and achieve certification on the device.

Zimmer Biomet held a certification course that showcased the ROSA (Robotic Surgical Assistant) to perform total and partial knee replacement procedures. This two-day course offered certification opportunities for faculty as well as orthopedic residents.
Smith & Nephew hosted sessions on the NAVIO surgical system to facilitate total and partial knee replacement. The course allowed internal and external surgeons to train on this robotic system in the Davis Global Center before performing robotic-assisted arthroplasty in the operating room.

### Clinical, Human Patient & Surgical Simulation Activities July 1, 2020 – June 30, 2021

<table>
<thead>
<tr>
<th>Categories</th>
<th>Events</th>
<th>Learners</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medicine</td>
<td>408</td>
<td>13,631</td>
</tr>
<tr>
<td>All (M1, M2, M3 &amp; M4 Students)</td>
<td>408</td>
<td>13,631</td>
</tr>
<tr>
<td>Allied Health</td>
<td>212</td>
<td>4,538</td>
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<tr>
<td>Physician Assistants, Physical Therapy, Diagnostic Medicine &amp; Genetic Counseling</td>
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<td>4,538</td>
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<tr>
<td>Colleges of Nursing, Pharmacy, Public Health &amp; Academic Affairs</td>
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<td>1,625</td>
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<td>External Users</td>
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<tr>
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<td>1,562</td>
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<tr>
<td>MDs, Nurses &amp; Allied Health Professionals</td>
<td>110</td>
<td>1,562</td>
</tr>
<tr>
<td>Graduate Medical Education</td>
<td>389</td>
<td>3,056</td>
</tr>
<tr>
<td>Residents &amp; Fellows</td>
<td>389</td>
<td>3,056</td>
</tr>
<tr>
<td>External</td>
<td>152</td>
<td>839</td>
</tr>
<tr>
<td>Global Center for Health Security, ATLS, ACTN, FLS/FES Testing, etc.</td>
<td>152</td>
<td>839</td>
</tr>
</tbody>
</table>
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 & clinicians to create unique educational experiences utilizing state-of-the-art technologies within the Davis Global Center.

COAGULATION CASCADE
Working closely with subject matter experts Dr. Scott Koepsell and Dr. Heidi Keeler, the visualization team created a new, fully animated coagulation cascade. This 3D animation allows learners to engage with the content at a micro-level. Participants can also step into the Laser CAVE-5 at the Davis Global Center to interact with organic structures such as proteins and blood cells to gain a deeper understanding of this complex coagulation process.
PELVIC MODULE
Dr. Jennifer Cera collaborated with iEXCEL to create an anatomical 3D pelvic model for interprofessional education across nursing, medicine and allied health professions. Created with an emphasis on pelvic pathology and organ prolapse, this virtual reality ready model permits non-contact clinical knowledge of urogenital, musculoskeletal and neurovascular systems with appreciation of pelvic alterations. This platform agnostic content can be utilized by learners across devices ranging from smart phones and desktops to 3D CAD Walls, iWalls and 3D Workbenches in the Davis Global Center.

TSQC DISINFECTION APPLICATION
Users wear a virtual reality headset that tracks and projects the participants’ hands into the scenario of cleaning and disinfecting surfaces within a patient room. Contamination is illustrated through viral particles and handprints to demonstrate proper cleaning techniques involving concepts such as visibility, chemical properties of cleaning solutions, drying time and sequential steps for decontamination. This application was developed in collaboration with the Global Center for Health Security to prepare learners for safe interactions when caring for patients with highly infectious diseases.

Visualization July 1, 2020 – June 30, 2021

39 Video Productions
34 Projects Completed
1,900 Models Created

The Global Center for Health Security (GCHS) is a state-of-the-art facility also housed in the Davis Global Center. It includes a six room simulated biocontainment unit for advanced experiential training and the nation’s only 20 bed federal quarantine unit.”
Simulation in Motion-Nebraska

As with all other aspects of the world, Simulation in Motion-Nebraska (SIM-NE) was significantly impacted by COVID-19. Onsite training events were suspended with the health & safety of learners & SIM-NE staff taking top priority.

**SIM-NE Activities 2016 – June 30, 2021**

- **2,000+** Virtual Training Views
- **88** Counties Reached
- **151** Virtual Training Events
- **637** In-Person Training Events
- **3,617** Health Care Professionals Trained
EXPANDING VIRTUAL EVENTS
When the pandemic hit, the method of SIM-NE instruction adapted to ensure accurate and timely training. Throughout the past year, SIM-NE offered over 50 virtual trainings and five Facebook Live broadcasts reaching a total of 1,600 learners through these valuable online sessions. Participants in the virtual engagements represented more than 178 different health care agencies from across the country. The SIM-NE video repository of past online trainings also continues to grow its audience, with over 20,000 views across all videos since March 2020.

STATE OF NEBRASKA EMERGENCY HEALTH SYSTEMS COLLABORATION
SIM-NE expanded its onsite training menu through a new partnership with the State of Nebraska Emergency Health Systems (EHS). The Nebraska EHS was awarded a multi-year grant to distribute over 2,500 AEDs to law enforcement agencies across the state. The organization partnered with SIM-NE to design and deliver more than 200 supplementary training sessions reaching over 3,000 officers to provide hands-on onsite AED education.

SIM-NE HITS THE ROAD... AGAIN!
SIM-NE suspended in-person training as soon as the pandemic began to ensure safety for all instructors and participants. While this shift in program delivery facilitated great innovation in developing online and asynchronous training materials, SIM-NE was unable to visit rural critical access hospitals and EMS sites throughout the state. Beginning on June 1, 2021, SIM-NE resumed onsite training to re-engage the trucks statewide. This return marked a busy month, as 18 events involving 179 attendees occurred across multiple sites throughout the month of June.
iEXCEL Community & Business Engagement

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

Highlights

VIP VISITORS
Following the opening of the Davis Global Center, iEXCEL welcomed notable high-priority guests, including Second Lady Karen Pence, Deputy Secretary of Health and Human Services Eric Hargan, Assistant Secretary for the Department of Homeland Security David Richardson and many more. Each of these visits advanced strategic partnerships between UNMC, iEXCEL and government institutions.

UNO STRATCOM INTERACTIVE TOUR
A special University of Nebraska at Omaha (UNO) Strategic Command (STRATCOM) cohort visited to gain insight into simulation capabilities of the Davis Global Center. These high-level military leaders consulted with iEXCEL to learn best practices for optimizing high-fidelity training environments while advancing collaboration initiatives between the institutions.
SUMMER WORKSHOPS & VIRTUAL RESOURCES
This year, iEXCEL continued to adapt and engage hundreds of students from across the Omaha community and beyond. Through the creation of new online activities, including 3D content creation tutorials and interactive virtual escape rooms, iEXCEL partnered with AIM Institute, Emerging Ladies Academy, Highlander Code Camp, Nebraska 4-H, Omaha STEM Ecosystem, UNMC SHEPEP, Urban League of Nebraska and many more to help students explore careers in health care and STEM.

Community & Business Engagement Activities July 1, 2020 – June 30, 2021

VISITORS
12,527
FY 16 – 21
4,421
FY 20 – 21

TOURS & EVENTS
943
FY 16 – 21
177
FY 20 – 21

ENGAGEMENT SESSIONS
99
Business & Community
32
Philanthropy
80
University of Nebraska
20
Government & Military
HIGHLIGHTS OF LOCAL & NATIONAL MEDIA FEATURING iEXCEL/DAVIS GLOBAL CENTER

• Karen Pence rallies women to support Don Bacon during Omaha visit
  Omaha World Herald, August 20, 2020

• UNMC subscription to VisualDx renewed
  UNMC Today, August 26, 2020

• UNMC health care report shows rural communities need more health care professionals
  Nebraska TV, October 6, 2020

• UNMC experts warn Nebraskans of ‘potential perfect storm’ as coronavirus cases rise
  Omaha World Herald, October 6, 2020

• Only limited by our imaginations: Emerging technology enhances learning at Davis Global Center
  KETV, October 12, 2020

• Exclusive: Step inside new Davis Global Center, an advanced simulation facility on UNMC campus
  KETV, October 12, 2020

• UNMC dedicates $121.8 million health care training, simulation center in virtual ceremony
  Omaha World Herald, October 13, 2020

• A community that can do anything: How public-private partnerships made the Davis Global Center possible
  October 13, 2020

• UNMC, local and state leaders dedicate world renowned Davis Global Center
  KLIN, October 13, 2020

• Leaders from U.S. Dept. of Health and Human Services tour UNMC
  KPTM, October 24, 2020

• UNMC pandemic expert fears dramatic increase in Nebraska’s COVID-19 deaths
  Omaha World Herald, November 1, 2020

• Infotec 2020 virtual conference connects tech talent and companies this Friday
  Silicon Prairie News, November 10, 2020

• UNMC Unveils The Teaching Hospital of the Future
  Science Times, November 13, 2020

• UNMC aims to improve training for nasal swab testing
  January 11, 2021

• UNMC training model will aid accurate COVID testing
  UNMC Today, January 11, 2021

• Chronicle: The Future for UNMC
  KETV, January 17, 2021

• UNMC hopes to renovate industrial property to create ‘innovation hub’
  Omaha World Herald, March 26, 2021

• Why Healthcare Simulation is About to Become One of the World’s Most Important Industries
  Healthysimulation.com, April 21, 2021

• Simulation in Healthcare: “Just in Time Training” — Innovation in Response to COVID-19
  Defence Global, May 2021

*Written by Pamela Boyers, PhD
PRESENTATIONS & CONFERENCES

- HIPE Conference
  July 25, 2020
- Middle East North Africa Conference
  August 6, 2020
- Heartland Developers Conference
  September 24, 2020
- NTSA Round Table
  October 14, 2020
- NeVRNER Annual Meeting
  October 23, 2020
- FIEA Games & Simulation
  November 30, 2020
- VSFX Lecture Series, Savannah College of Art & Design
  February 5, 2021
- NE Association for Healthcare, Quality, Risk and Safety
  February 5, 2021
- Society for Simulation in Healthcare Annual Conference
  February 23, 2021
- US Ignite AR Challenge Conference
  May 1, 2021
- HealthySimulation.com Panel
  May 10, 2021

Web & Social Media

WEBSITE TRAFFIC
10,139 visits
new user average session time
1:38

SOCIAL MEDIA
315,167 impressions

REFERRAL TRAFFIC
1,251 visitors
Thank you to all our supporters who have made iEXCEL and the Davis Global Center a reality.