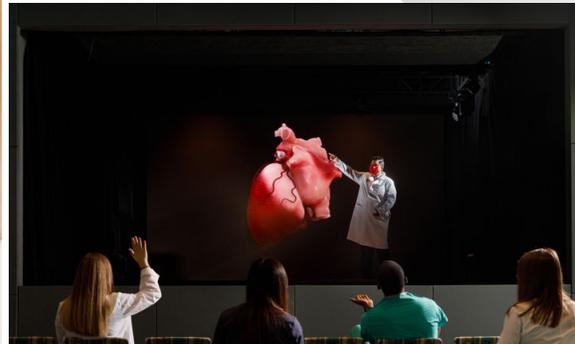


# iEXCEL<sup>SM</sup> Program in the Davis Global Center

*Global leadership in improving human performance  
and effectiveness in health care*



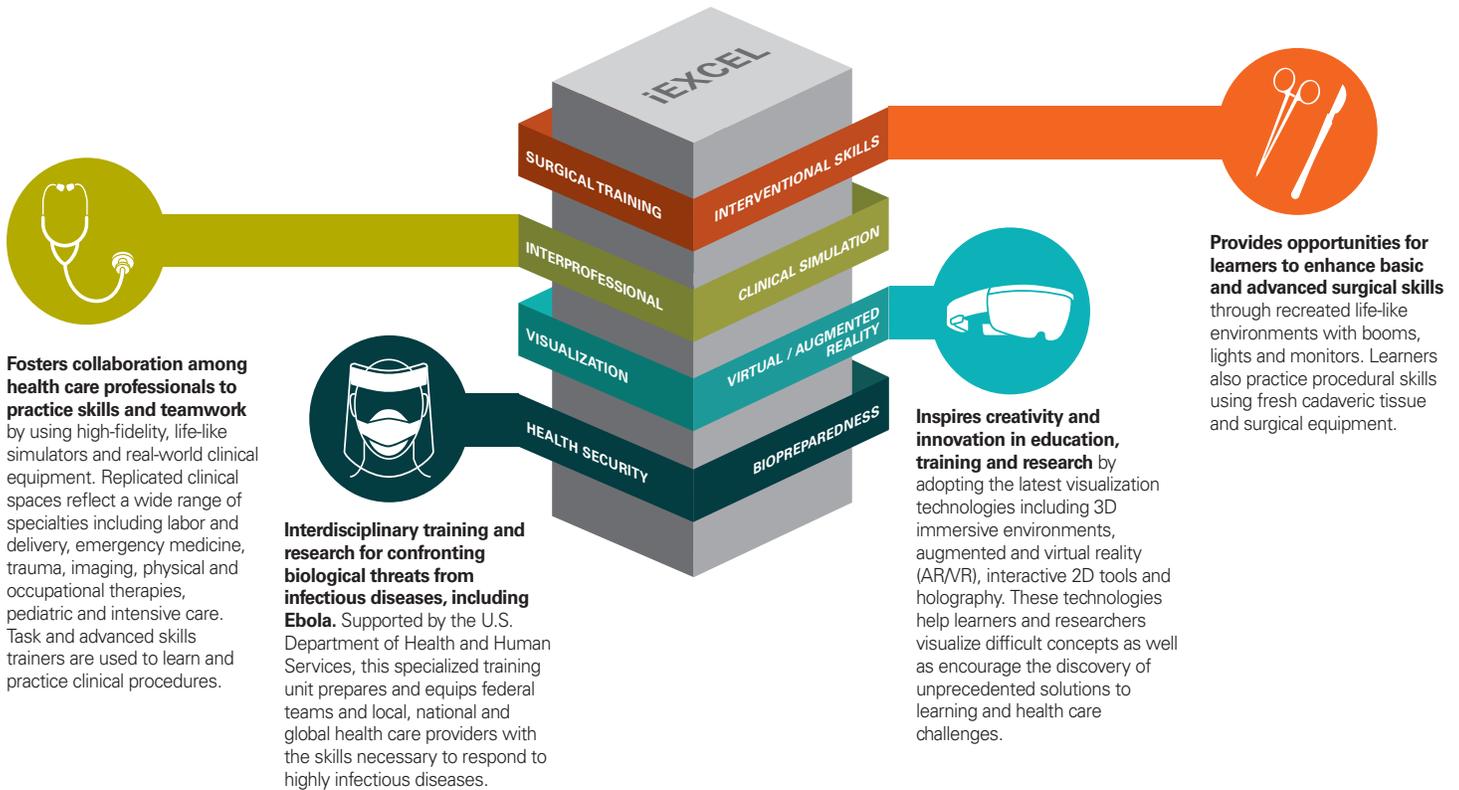
iEXCEL is distinguishing Nebraska by creating a transformational model for health professions education, training and research. This model incorporates a wide range of modeling, simulation and visualization technologies set in safe, simulated health care settings. The aim is to provide the safest and highest quality of patient care through precision training for all health care professionals, at all levels of training.

iEXCEL aims to:

- Improve patient outcomes by reducing medical errors and improving the safety, quality and costs of health care
- Create an educational model for the health professions that serves the new generation of digital learners
- Address health care provider and technology (STEM) shortages by offering specialized and advanced training courses
- Stimulate unique workforce and economic development opportunities for Nebraska
- Drive global innovation, commercialization and tech transfer opportunities

The Dr. Edwin G. & Dorothy Balbach Davis Global Center (Davis Global Center) serves as the headquarters for iEXCEL. This multi-level, 192,000 sq. ft. clinical simulation facility became fully operational in March 2020 on the University of Nebraska Medical Center campus in Omaha, Nebraska. iEXCEL collaborates with the Global Center for Health Security located within the Davis Global Center, thus sharing simulation, visualization and data capture assets, as well as simulation expertise.

The Davis Global Center serves as the hub for a statewide network of interconnected simulation centers. These conjoined centers (Scottsbluff, Norfolk, Kearney, Lincoln and Omaha) promote experiential training opportunities and stimulate new and unique research endeavors made possible by the availability of advanced modeling, simulation and visualization technologies. Collectively, these technologies will accelerate the development of a transformational model for individuals and interdisciplinary teams, at all levels of training and skills refreshment.



### iEXCEL and the Davis Global Center:

- Contribute to the Nebraska workforce and economic development.
- Create well-paying jobs and projecting revenue generation of \$39.3 million annually in economic impact for Nebraska. (Tripp Umbach, 2016)
- Attract new businesses and industries to Nebraska.
- Offer specialized training opportunities in simulation technology, 3D and augmented/virtual reality (AR/VR) content development.
- Collaborate with industry and the community to provide new research and development opportunities for faculty and learners.
- Result in new and relevant learning methods, including 3D and AR/VR content, clinical and surgical training modules, and research and development opportunities.
- Provide ongoing training and develop new health care processes and products in partnership with Nebraska Medicine to benefit health care professionals and improve patient outcomes.
- Ensure proficiency in training, education and practice, meeting the needs of learners of all levels of training.
- Dedicated to rural outreach using advanced collaboration technologies and simulation mobile units.

