



## HEALTH SCIENCES SIMULATION CENTER & COLLABORATION HUB

### THE NEED

This project will allow the university to address Kentucky's critical need for skilled health care workers—particularly nurses—and expand multidisciplinary research opportunities.

Kentucky has a severe statewide shortage of health care providers. In 2019, 113 of 120 counties had Health Professions Shortage Areas (HPSA) designated primary care shortages, 80 had dental shortages, and all counties had mental health care shortages. The nursing shortage is particularly acute. **Kentucky needs 6,000 more nurses**, a figure that is expected to grow. In addition, nearly one-third of all acute care hospitals in the Commonwealth are designated as Critical Access Hospitals. Optimizing collaborative work in health care and health care education can make an impact in addressing this critical issue. The HSC Collaboration Hub exemplifies UofL's commitment to academic and research excellence, patient-driven care, innovation and responsible health care entrepreneurship, and its vital role in shaping the future of education and health care in Kentucky.

The University of Louisville Health Sciences Center (HSC) is at the heart of Louisville's downtown LOUMED District, and the epicenter of UofL's medical center. Home to the Schools of Medicine, Nursing, Dentistry and Public Health & Information Sciences, the HSC engages thousands of health care learners from across the globe. Flanked by UofL Health's Jewish Hospital and Frazier Rehabilitation Institute, Brown Cancer Center, Kentucky Lions Eye Institute, UofL Hospital, Cardiovascular Innovation Institute, UofL Health Heart Hospital, and the Center for Translational Research, the HSC represents a wide range and unique blend of academics, research and patient care.

As the state's oldest medical teaching university, the University of Louisville HSC boasts expertise unlike any other. With its urban-based roots and proud rural reach, the HSC has provided exceptional care to the most complex issues across the Commonwealth and beyond.

## LEGISLATIVE BUDGET PRIORITIES 2024:

### HEALTH SCIENCES SIMULATION CENTER & COLLABORATION HUB

Our doctors, dentists, nurses and public health experts encounter every aspect of health care needs—from the mundane to the most life-threatening—making the UofL HSC a hub for community-based compassionate care that is deserving of the most state-of-the-art facilities and experiences in the state.

Our nursing school produced more bachelor's degree-prepared nurses than any other Kentucky university in 2022. And more than 82 percent of UofL nursing graduates remain in the Commonwealth.

Using the newest and most innovative design concepts, the University of Louisville will transform the downtown HSC landscape into a Collaboration Hub where health care students, professionals, patients, city and state officials, learners and researchers can diagnose, investigate and treat the most complex issues facing Kentuckians and the world. Through a multifunctional interprofessional academic building that offers cross-mission learning and opportunities for serving the urban and rural academic medicine needs, HSC will expand care, promote student engagement and lead scientific discoveries.

The Health Sciences Simulation Center and Collaboration Hub will:

- **Enable our School of Nursing to grow by more than 50 percent**, helping address the critical nursing shortage in the Commonwealth.
- Provide a state-of-the-art simulation learning center to support interprofessional education (IPE). As health care is truly delivered in a team model, the simulation center will provide space, equipment, and technology to support collaborative learning. Students in nursing, medicine, dentistry, public health, social work and other fields can learn to provide collaborative high-tech, high-touch care in inpatient, outpatient and community settings.
- Include research laboratories. This will bolster UofL's reputation as a center for academic and research excellence in health care that will attract new faculty, research grants and partnerships, and advance regional economic growth and technological advancements.
- House various academic departments and units, student and staff services and dining options. This new complex also will include a much-needed, ADA-accessible auditorium and revenue-generating opportunities.

### About the space

The Collaboration Hub site includes vacant property previously occupied by the Medical Dental Apartments and KDP Building and is adjacent to the current School of Public Health and Information Sciences and the UofL Physicians Outpatient Center Parking Structure. The proposed site fronts South Preston Street to the west and is bordered by Gray Street to the south and Chestnut Street to the north. The centrality of the site will serve all HSC campus constituents as well as nearby public offices and residents.

### RESEARCH LABORATORIES

Home to 17 centers and institutes conducting research in fields ranging from bioethics and health hazard prevention to genetics, molecular medicine, cellular therapeutics, and spinal cord injury, an important element of the Collaboration Hub will be to provide needed research labs to support the research-intensive academic health sciences.

CONCEPTUAL IMAGES





## LEGISLATIVE BUDGET PRIORITIES 2024:

### HEALTH SCIENCES SIMULATION CENTER & COLLABORATION HUB

#### SIMULATION CENTER

A critical piece of preparing Health Sciences students for real-world situations and improving safety within patient care is an advanced and integrated simulation center. Here, current and future health care professionals can hone their diagnostic and patient care skills, refine advanced techniques and learn valuable therapeutic interpersonal patient communication strategies. This facility will be engineered for simulations that include teams from across the health care training spectrum, from operating rooms and intensive care units to telehealth, community-based and virtual education.

#### COMMON SPACE

One of the primary aspirations of the proposed Health Science Collaboration Hub is to provide a facility where faculty and students from the Schools of Medicine, Dentistry, Nursing, and Public Health & Information Sciences can come together and benefit from their shared mission of education, research and clinical care.

#### PLAZA

The introduction of a pedestrian plaza along South Preston Street will emphasize and enrich the building entrance experience while creating a building identity appropriate to its importance within the HSC campus, energizing and activating the streetscape experience as well as projecting the significance of the Collaboration Hub within the overall HSC campus.

#### CONFERENCE CENTER

Technology-rich spaces designed to foster innovation and promote transdisciplinary collaboration will be key features of the Collaboration Hub. The conference center will create a prominent front door to HSC campus for the Louisville health and business communities to convene programming that connects learners, industry, researchers and community to advance and improve health care, including innovation, quality and access.

#### CONCEPTUAL IMAGES



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**PROJECT BUDGET:** \$280,000,000



OFFICE OF THE MAYOR  
CRAIG GREENBERG

October 13, 2023

President Kim Schatzel  
University of Louisville  
Louisville, KY 40292

Dear President Schatzel:

Louisville Metro Government enthusiastically supports the University of Louisville's 2024 budget request to create a Health Sciences Simulation Center and Collaboration Hub. The university is an important partner, developing a top-of-the-line workforce that can compete in today's economy and meet the needs of local employers. This new facility will help us address Louisville's skilled health care employee shortage.

The University of Louisville Health Sciences Center (HSC) campus is at the heart of Louisville's burgeoning downtown LOUMED District, where four dynamic institutions are collaborating on breakthroughs in health, science, and education. The HSC is home to UofL's Schools of Medicine, Nursing, Dentistry and Public Health & Information Sciences, and engages thousands of health care learners from across the globe. This project will result in a state-of-the-art facility that enhances office, laboratory, simulation, and conferencing capability as well as collaboration spaces for all HSC schools.

This facility will provide unprecedented scientific, educational, research and community engagement opportunities. Using the newest and most innovative design concepts, UofL will transform the current HSC landscape into a Collaboration Hub where health care professionals, patients, learners, and researchers can diagnose, investigate, and treat the most complex health issues facing Kentucky and the world. This is the right time for this investment, as it will leverage the multi-year JCTC renovation project launched in August 2023 to transform the student experience, the UofL Health Hospital expansion project, and the anticipated LOUMED Gardens project. Exciting developments in the LOUMED district will help catalyze the revitalization of our entire downtown.

The Health Sciences Simulation Center and Collaboration Hub will create a prominent front door for the Louisville health and business communities to advance and improve health care, including innovation, quality, and access. The impact this building would have on Louisville and the many healthcare providers across the city would be tremendous and will represent a signature space in our LOUMED district. It is our privilege to offer support for this project.

Sincerely,

A handwritten signature in blue ink, appearing to read "C. Greenberg", is written over the typed name.

Craig Greenberg  
Mayor

[WWW.LOUISVILLEKY.GOV](http://WWW.LOUISVILLEKY.GOV)

LOUISVILLE METRO HALL | 527 WEST JEFFERSON STREET | LOUISVILLE, KENTUCKY 40202





October 13, 2023

President Kim Schatzel  
University of Louisville  
Louisville, KY 40292

RE: University of Louisville Health Sciences Simulation Center and Collaboration Hub Budget Request

Dear President Schatzel:

UofL Health is writing to express our support for the University of Louisville's 2024 budget request for a Health Sciences Simulation Center and Collaboration Hub. This facility will allow the university to expand student offerings and help address Kentucky's skilled health care employee shortage.

Like many other hospital systems across Kentucky, UofL Health has been negatively impacted by the state's shortage of health care providers. Finding and attracting talented employees in many health professions has become one of the more challenging parts of running a health care system.

The proposed Health Sciences Simulation Center and Collaboration Hub will be an important step forward to developing more of these needed health care professionals that can serve in our community and across the commonwealth. The opportunities for clinical collaboration, growth of the UofL nursing school and other critical healthcare professionals for our system, city and state are of paramount importance.

This proposed facility also will have a significant economic impact on downtown Louisville. Flanked by UofL Health's Jewish Hospital and Frazier Rehabilitation Institute, Brown Cancer Center, Kentucky Lions Eye Institute, UofL Hospital, Cardiovascular Innovation Institute, UofL Health Heart Hospital, and the Center for Translational Research, the UofL Health Sciences Center represents a wide range and unique blend of academics, research and patient care. Coupled with the UofL Health Hospital expansion project improving vital health care resources, a multi-year JCTC renovation project, and the anticipated LOUMED Gardens project, this Health Sciences Simulation Center and Collaboration Hub will significantly enhance downtown development in the LOUMED district.

This facility would have a huge impact on Louisville and UofL Health. We enthusiastically support this project.

Sincerely,

A handwritten signature in black ink, appearing to read "Tom Miller", written over a horizontal line.

Tom Miller, CEO  
UofL Health



P.O. Box 35070  
Louisville, KY 40232-5070  
(502) 629-8025

October 30, 2023

President Kim Schatzel  
University of Louisville  
Louisville, KY 40292

RE: University of Louisville Health Sciences Simulation Center and Collaboration Hub Budget Request

Dear President Schatzel:

Norton Healthcare is writing to express our support for the University of Louisville's 2024 budget request for a Health Sciences Simulation Center and Collaboration Hub. This facility will help address Kentucky's skilled health care employee shortage.

Like many other hospital systems across Kentucky, Norton Healthcare has been negatively impacted by the state's shortage of health care providers. Finding and attracting talented employees in many health professions has become one of the more challenging parts of running a health care system.

The proposed Health Sciences Simulation Center and Collaboration Hub will be an important step to developing more of these needed health care professionals that can serve in our community and across the commonwealth. The opportunities for clinical collaboration, growth of the UofL nursing school and other critical healthcare professionals for our system, city and state are of paramount importance.

This proposed facility also will have a significant economic impact on downtown Louisville. We have made important investments in the LOUMED district and this will be a complement to those investments. This Health Sciences Simulation Center and Collaboration Hub will significantly enhance downtown development in the LOUMED district.

This facility would have a huge impact on Louisville and our healthcare community. We enthusiastically support this project.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Russell F. Cox', written over a circular blue stamp.

Russell F. Cox  
President and Chief Executive Officer  
Norton Healthcare



October 13, 2023

President Kim Schatzel  
University of Louisville  
Louisville, KY 40292

**Dr. Ty Handy**  
**President**  
109 East Broadway  
Louisville, KY 40202  
P: (502) 213-5333  
jefferson.kctcs.edu

**RE: *University of Louisville Health Sciences Simulation Center and Collaboration Hub Budget Request***

Dear President Schatzel:

Jefferson Community and Technical College (JCTC) is writing to express our support for the University of Louisville's 2024 budget request for a Health Sciences Simulation Center and Collaboration Hub. This facility will help address the skilled health care employee shortage across the commonwealth.

In addition to workforce development and community engagement opportunities for the Louisville area, this project will provide significant educational benefits not only to UofL, but also to other area students, including many attending Jefferson Community and Technical College.

JCTC and UofL share a long-standing collaborative relationship including the Ultra program, which provides a seamless pathway transfer plan from JCTC to UofL. This program would include students that would have the opportunity to learn and collaborate in this Health Sciences Simulation Center and Collaboration Hub.

The advanced learning opportunities created for our JCTC students, through the next step in their academic career at UofL, will enhance our students' skills and marketability as they enter the health care fields, and it will ensure the best of care for patients in our community and throughout the commonwealth.

It is our privilege to offer support for this project.

Sincerely,

Dr. Ty J. Handy  
President  
Jefferson Community and Technical College





President Kim Schatzel  
University of Louisville  
Louisville, KY 20292

RE: University of Louisville Health Sciences Simulation Center and Collaboration Hub Budget Request

Dear President Schatzel:

LOUMED is writing to express our support for the University of Louisville's 2024 budget request for a Health Sciences Simulation Center and Collaboration Hub.

This initiative will help further our mission to make the LOUMED district one that is a safe, clean, and inviting for our health care professionals, students, visitors, and community. Along with other major enhancements happening in the district, i.e., Jefferson Community and Technical College master plan deployment, the LOUMED Garden and Chestnut Street corridor project, and the U of L Health new patient bed tower, the proposed Health Sciences Simulation Center and Collaboration Hub will continue the overall effort to redefine the central spine of the district as a center of healthcare excellence.

A project of this magnitude coupled with the other urban development projects within the district will undoubtedly serve as a catalyst to attracting talented employees, providers, and students by demonstrating the support and dedication that the University of Louisville has to not only create opportunities and spaces for clinical collaboration, but to invest in the community surrounding it. This ultimately will have a significant economic impact on downtown Louisville.

LOUMED is in full support of this project.

Sincerely,

*Nadareca Thibeaux*

Nadareca Thibeaux,  
Executive Director  
LOUMED