

Simulation and Education Center at Northwestern Medicine Lake Forest Hospital

Northwestern Medicine is a leading healthcare system because of the exceptional care that occurs here, and because of the outstanding generosity of caring people like you. The steadfast support of our donors enables us to expand our technological capabilities and enhance our expertise to offer better care.

Philanthropic support is needed to help establish a Simulation and Education Center at Northwestern Medicine Lake Forest Hospital on the ground floor of the 600 building (the former Hunter Building) at Lake Forest Hospital. The support of our community will help fuel leading-edge innovation to achieve the best possible outcomes for countless patients when they need us most.

A leader in improving the health and future of the Lake Forest Community, the Women's Board of Northwestern Lake Forest Hospital has pledged \$1 million toward the \$3 million total philanthropic commitment required to turn our vision for the Simulation and Education Center at Northwestern Medicine Lake Forest Hospital into reality.

Leading-edge education excellence that powers high-quality care

Lake Forest Hospital is committed to delivering world-class care. As an Illinois Emergency Medical Services (EMS) Resource Hospital, Lake Forest Hospital provides educational resources to achieve the greatest impact and meet the needs of our community. Some of these resources are designed to ensure patients receive high-quality care before they even enter our doors.

Plans are underway to create a 14,000-square-foot Simulation and Education Center at Northwestern Medicine Lake Forest Hospital, which will lead the way in establishing a new level of excellence in healthcare education in the region. The center is being designed to enhance training, development and competence to improve safety and quality outcomes and reduce medical errors.

Clinicians and first responders will develop life-saving competence in patient care, team collaboration and staff disaster preparedness in a realistic, safe setting without risk to the patient. For example:

- Staff will engage in customized, controlled opportunities to practice skills and coordinate treatment plans on mannequins that replicate patient behaviors and medical conditions, such as blinking, moaning, crying, bleeding, sweating, giving birth, having seizures or experiencing cardiac arrest.
- Learners will receive immediate feedback during debriefing that fuels active learning and deliberate practice.
- Freedom to learn from mistakes will improve critical thinking, problem solving and clinical judgment.
- Opportunities for repetitive practice will strengthen communication, teamwork and collaboration.



The new Simulation and Education Center at Northwestern Medicine Lake Forest Hospital will provide an innovative education environment for healthcare professionals at all levels, including nurses, patient care technicians, physicians, EMTs, paramedics and nursing students, as well as community partners.

State-of-the-Art Simulation Technology to Improve Lives

Simulation is vital to keeping pace with rapidly changing methods of medical care delivery. Simulation technology will include:

- An **ambulance simulator** built to actual road-ready specifications, enclosed to represent the reality of the ambulance workspace, and moving on pneumatics that precisely mimic conditions encountered in the field.
- **Hospital, emergency and operating rooms** equipped with the latest medical devices and technology that simulate a wide variety of patient care, emergency, trauma and surgery scenarios.
- **Innovation laboratory** for the development of prototypes and pilot of new technologies for patient care.
- **Black box rooms** equipped with projectors enabling versatility to create immersion scenarios that provide a 360-degree learning experience in care spaces, such as a living room, business office or other nonmedical setting.
- **Skill labs** in which learners utilize training devices that replicate specific anatomy to practice technical skills ranging from intubation to central line placement.
- **Control rooms** for recording simulations in progress and conducting real-time evaluation.
- **Debriefing rooms** for timely review of recordings, reflection on actions and discussion of key learning points for application to real-life situations.
- **Adaptable conference and classroom space** for educational sessions.

The Power of Partnership

The investment by Northwestern Medicine in partnership with donors will make an extensive impact.

Together, we can:

- **Transform our clinical orientation program** by providing dynamic educational programming designed to improve patient experience, safety and outcomes, from physicians conducting complex procedures and nurses delivering care at the bedside to new employees actively building competencies and confidence.
- **Strengthen our nurse residency program and nursing student clinical rotations** by preparing and retaining a well-educated nursing workforce, and providing a unique opportunity to partner with colleges of nursing in expanding educational capacity.
- **Fortify our journey to Magnet® re-designation** by fostering a culture of empowered, professional nurses skilled in communication, collaboration and decision making, and supporting development of excellence in nursing practice that is the hallmark of this recognition from the American Nurses Credentialing Center.
- **Improve the quality and safety of care delivery** by providing the most authentic training tools for managing the rigors associated with patient care and responding to medical emergencies. This will improve outcomes for patients who turn to Lake Forest Hospital and for members of the broader community who depend upon the lifesaving skills of EMTs and paramedics.



On behalf of our physicians, nurses and staff, we are grateful for your interest in advancing innovative, dynamic educational strategies that directly impact our ability to achieve the best outcomes for patients.

To learn how you can be part of bringing better care to the Lake Forest community through the Simulation and Education Center at Northwestern Medicine Lake Forest Hospital, contact Karin Mohar, 847.535.6921 or email kmohar@nm.org.