



Building for the Future

Patient-centered design drives planners' vision for the new **Parkland Hospital**

Parkland Memorial Hospital has a rich history as Dallas County's public hospital. Built in 1954, it was the first Level I trauma center in Texas and has one of the busiest emergency rooms in the country. Today, Parkland's 672-bed hospital and 12 primary-care clinics operate at full capacity. With Dallas County's population projected to double by 2025, the hospital couldn't meet future demands. Add to that, changes in healthcare delivery over the building's past 50 years mean Parkland needed to change to address the city's current and future needs.

Dallas voters agreed, providing 82% approval for the bond proposition to fund the new facility. Scheduled to be completed in 2014, the new Parkland hospital is the largest hospital construction project in America. The main facility will encompass 2.5 million square feet, adding desperately needed space particularly in critical areas such as the emergency room, operating room and the burn and neonatal intensive care units.

«We are changing Parkland from a hospital of last resort to a hospital of choice.»

—David Graham, LEED AP, Project Director



Designing with Vision

It's hard to envision what changes will take place over the next five years in health care—let alone the next 50. Therefore, the planners have designed the new Parkland Hospital to grow and adapt as the medical needs of its community change over time. As a state-of-the-art teaching hospital, it will promote excellence in clinical care, training and research in a technologically advanced and thoughtfully designed facility.

Using a patient-centered approach, the new Parkland Hospital features an “on-stage/off-stage” model where patient services and support functions take place away from public areas to provide greater comfort for patients and their families and efficiency for staff. Among the goals of the project is to put the ‘park’ back in Parkland. This is evidenced through the sustainable design and use of green building methods and energy sources as well as environmentally friendly building materials. This green motif is repeated in designs throughout the new facility and in the park space being built outside the main lobby.



«The entire hospital is designed with the patient in mind. This patient-centered approach creates a more healing environment with single patient rooms, natural light and windows, as well as more space for family and visitors.»

— Jodi Donovan, RN, MSN, PMP, EDAC,
Director, Hospital Replacement Project





Delivering Safety

Aside from meeting future growth needs, the new Parkland Hospital is designed to deliver better patient care. Technology incorporated into the new facility promotes best practice in medication management, system integration and material handling. Parkland Hospital chose a suite of Swisslog Healthcare hospital automation to achieve its vision. Its new inpatient pharmacy features the **PillPick®** Automated Packaging and Dispensing System and the **BoxPicker®** Automated Pharmacy Storage System to ensure the safe packaging, labeling, storage and dispensing of medications.

The Swisslog Healthcare **TransLogic®** Pneumatic Tube System is the key to making this new campus work as it will connect multiple buildings, including the old facility. The new tube system is a critical lifeline for Parkland, supporting the main lab, which performs over nine million tests a year—and integrating with the existing system at the original facility to provide a seamless campus-wide transport solution. Along with the hospital, the pneumatic tube system has been designed to accommodate future growth, as Parkland continues to surpass projections for patient volumes.

Swisslog Healthcare was an easy choice as a technology partner for the new Parkland Hospital. Its inpatient pharmacy automation and automated material handling solutions were in use at the existing facility and project planners were familiar

with their specifications. With an outstanding reputation and experienced and knowledgeable service technicians, Swisslog Healthcare solutions met the project's goals for durability and safety. Currently, the Parkland System features nearly five miles of pneumatic tube system tubing. Additional piping to support the new building brings that total to seven miles and beyond, as other buildings are commissioned. The TransLogic pneumatic tube system was chosen for its speed and throughput; as it planned to process 8,800 daily transactions once the hospital opened.

By the Numbers

In 2015, Parkland moved into the new 2.5 million-square-foot facility across from the old building and is licensed for 983 beds.

Fiscal Year 2021

- Total Discharges: 66,595
- Pathology Procedures: 13,070,350
- Prescriptions Filled: 10,635,881
- Deliveries: 11,286
- Surgeries: 19,989
- Outpatient Visits: 1,171,953
- Emergency Patients Treated: 205,548



Defining the Standard of Excellence

The importance of building the new Parkland Hospital goes beyond numbers. It represents Parkland's commitment to serving the residents of Dallas County for generations to come—training tomorrow's healthcare providers and delivering not just adequate care, but redefining the standard of excellence for public health care by building a facility that provides more patient-centered care in a healing environment that is second to none.

CONTACT

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