The Amazing New Standard of Care

MidMichigan Medical Center
Midland
Medical Center Expansion Designed For Patient Safety, Quality and Advanced Care

Advancing the Region’s Medical Care
The project was driven by the desire to advance medical care in the region – the same motivation that, in the 1940s, led to construction of the hospital that preceded today’s Medical Center.

As MidMichigan Medical Center–Midland expanded its heart program in 2007 to provide the region with better access to cardiovascular services, the increasing demand for these procedures underscored the need for more operating rooms and accompanying patient rooms.

“New technology and a better understanding of the healing environment have opened doors to better care,” said William W. Henderson, outgoing chair of the MidMichigan Health Board of Directors. “The expansion and renovation is a wonderful example of acting on our commitment to the Mission of MidMichigan Health by putting new tools and knowledge to work for our patients and our communities.”

Providing the best in clinical quality, safety and customer service was the inspiration for the project. “Excellent facilities go hand-in-hand with excellent care. By making every patient room private, we help to support a safer, more family-centered healing environment, which allows our patients to get better rest and recover faster,” said Michele K. Wood, vice president of nursing for the Medical Center in Midland.

Close to Home With the Latest and Best
With the expansion and renovation complete, patients can continue to stay close to home while having the benefits of the latest technology, the best healing environment and top-notch, quality care. Importantly, in these completely modern surroundings, they can be assured that design, equipment and support for patient safety have been a fundamental focus of the project at every step.

MidMichigan Health’s Mission:
To provide excellent health services to improve the quality of life for people in our communities.

MidMichigan Medical Center–Midland’s Vision:
As part of a premier integrated health system committed to superior quality, innovation and value, we are the preferred referral center in the region for advanced specialty care.

“MidMichigan Medical Center–Midland is even stronger in meeting the high expectations of clinical quality, safety and service for the region as the flagship hospital of MidMichigan Health,” said Robert L. LoFiego, incoming chair of the MidMichigan Medical Center–Midland Board of Directors.

Moving forward with the 280,000-square-foot project has been the responsibility of Gregory H. Rogers, president and CEO of the Medical Center. “Completion of the facility represents the outstanding work of many teams, with great leadership from Mike Erickson, vice president of facilities and construction since 2008, and Tom Lind, his predecessor, who, under the direction of Rick Reynolds, initiated the project during his tenure,” Rogers said.

We invite you to enjoy the following pages as we look back on our Journey to Wellness.

1940
Plans for construction of the hospital were under way. The selected site, located at the corner of Sugnet Road and Sturgeon Avenue, was donated by Grace A. Dow. Alden B. Dow, Inc., was selected as architect for the building.

A new environment of care is officially opening its doors. The expansion and renovation at MidMichigan Medical Center–Midland enhances our region with bigger and better facilities for surgery, patient care and medical services. The Medical Center is the flagship of MidMichigan Health, a family of hospitals, health parks, home care, nursing homes, urgent care, physician services, managed care programs and other services.

This historic project began when ground was broken in April 2008. “Taking this significant step on our Journey to Wellness required foresight and commitment in an era that challenges all of us to bring tangible value to every effort,” said Eric P. Blackhurst, outgoing chair of the MidMichigan Medical Center–Midland Board of Directors and incoming chair of the MidMichigan Health board.

Despite the changing economic climate, it was the right time to do this project, according to Richard M. Reynolds, president and CEO of MidMichigan Health. “The reasons for the expansion were not going to change,” he said. “We needed to meet the standards our patients seek and deserve, ensuring that our facility is up-to-date for the utmost safety and quality and that we offer the latest in advanced technology and physician expertise.”

Our Journey to Wellness
Inside the Expansion and Renovation

Building a Great Medical Center
Over the past four years, the efforts of hundreds of people brought the expansion and renovation to completion to serve our region.

The $115-million project, the largest investment made in any MidMichigan Health facility, expanded and updated the 1974 Harlow Building at MidMichigan Medical Center—Midland, which houses the Medical Center’s inpatient services.

MidMichigan contracted with an internationally recognized health care design firm, HDR Architecture, Inc., of Chicago, for this project. Skanska USA Building, Inc., of Portage, Mich., managed the construction.

The building includes six new operating rooms, three new floors with 36 private patient rooms each, a new lobby and front entrance, and renovations to other clinical areas. A new, energy-efficient power plant was installed that will eventually serve the entire campus.

Private Patient Rooms Are The New Standard
At MidMichigan Medical Center—Midland every patient room is now a private room. Although the expansion did not add more patient beds, it simply reconfigured existing ones to an all-private-room environment, maintaining the overall total of hospital beds at 265.

MidMichigan is the only Medical Center in the Great Lakes Bay Region to have all private rooms. Private rooms are also available at MidMichigan Health’s affiliate, MidMichigan Medical Center—Gratiot in Alma.

Patient rooms in the new patient tower are a generous 350 square feet and include a single patient bed, a private bathroom with shower, and a family area with a recliner and a sofa that converts to a bed.

The room is designed for ease of use by staff, patients and families. In the compact headwall, medical equipment and computers for documentation, patient verification and medical records are stored conveniently without being intrusive.

The seating near the large window creates a comfortable family zone. The wall at the foot of the bed has a built-in desk with down-lighting that won’t disturb a sleeping patient. Internet access, telephone and a flat-screen TV let patients and visitors stay as informed and connected as they desire.

So that hospital caregivers can be at the bedside as much as possible, small computer bays in the hall between patient rooms let staff input patient data without the need to return to the nursing station.

In addition to regular patient rooms, every floor has four rooms that are fully handicapped accessible, with lifts in the ceiling to move disabled or obese patients with maximum safety.

The rooms’ soft colors create a calming environment, and a large window is designed to let in plenty of natural light while preserving privacy. Current patient rooms have been renovated with similar décor and amenities.

Health insurance will cover the cost of the private rooms the same as it did semi-private rooms in the past. Patients will not be billed for a private room differential.
Lobby and Main Level
Filled with natural light, the new, 40-foot-high, atrium-style entrance and lobby greets visitors coming into MidMichigan Medical Center–Midland through the new, covered hospital entrance.

On the main level, services and amenities are grouped for convenience and ease of use by patients and families, employees, medical staff, residents and students, and members of the community.

Community Education Rooms
Two community education rooms down the hall to the left of the welcome desk will make attending a health information class, support group, or speaker presentation convenient. Fully AV-equipped, the comfortable rooms can be combined to seat 50 people and are near restrooms, a coatroom, storage and food preparation areas.

Patient & Family Services
To the right of the welcome desk, beyond the main elevators, a curving expanse of etched glass reveals the new Patient & Family Services area, including patient relations, social work and transition planning, patient accounting, medical records and Medical Center chaplains. Grouping the services minimizes time and steps for a patient or family member when they check out of the Medical Center or return with any needs or questions. The other benefit is being able to connect people quickly to services that can make a big difference for them.

The suspended lobby sculpture, created by Michigan artist Brian Alexander, is 27 feet high and 12 feet in diameter.

The work is made from more than 2,000 individually designed pieces of thin, shaped metal suspended on clear monofilament. As air currents and sunlight make the elements shimmer, the sculpture’s overall shape changes as viewed from the lobby or upper floors.

Dedicated to the Medical Center’s volunteers, the piece recognizes more than 66 years of volunteer service to MidMichigan Medical Center–Midland. The Medical Center’s volunteer organization was offered a place of honor for a monumental art piece, and the volunteers pledged $50,000 to purchase the sculpture. Below is a concept sketch of the sculpture.
Spiritual Care Center
The Spiritual Care Center offers room enough to host multiple activities, and three private carrels offer space for personal prayer and reflection. Drawers nearby hold faith-specific items for use in the carrels.

Stained Glass in the Spiritual Care Center was designed by artist Elizabeth Kolenda. The beautiful front wall, doors and dividers for the carrels are designed to “evoke the feeling of comfort and healing,” the artist said. Another signature art piece is a moveable altar of wood and glass created by artist Larry Fox of Omena.

Home Medical Equipment
The convenient location of the Home Medical Equipment showroom offers patients and staff all kinds of useful items and help from trained customer service representatives. MidMichigan Home Care will continue to take needed devices and supplies directly to patient’s rooms or deliver large items to their homes. The showroom next to MidMichigan Urgent Care also remains open.

Health Sciences Library
The Health Sciences Library is a specialized knowledge center for health care professionals. The library offers current medical information with tailored literature searches, online books and journals, and a medical textbook reference collection. The library primarily serves physicians, nurses, allied health professionals and health science students. It is also a resource for current medical students of Michigan State University College of Human Medicine Midland Regional Campus and those to come from Central Michigan University’s College of Medicine in 2012.

Physician Services
Physician Services includes areas for the medical support staff, physician leadership and medical education. Continuing medical education keeps our medical staff abreast of the latest techniques and advancements in medicine. It is also integral to the Family Medicine Residency Program of MidMichigan Medical Center—Midland, which trains new family doctors, to MidMichigan’s MSU College of Human Medicine Midland Regional Campus, now based at the Medical Center, and to medical students of Central Michigan University College of Human Medicine, as the Medical Center becomes their Midland Regional Campus in 2012. The new medical staff conference room hosts the most up-to-date AV technology for our medical staff to teach and view operations in real time as they occur in the operating rooms.

The Gift Shop
The stylish new gift shop is a fresh retail space almost twice the size of the previous location. Staff and visitors can find brand-name gift items, greeting cards and bouquets (flower and balloon), toys and baby gifts, magazines and books, jewelry, clothing, notions, snacks, and even postage stamps. Medical Center volunteers operate the not-for-profit shop, which in 2010 contributed nearly $71,000 to purchase medical equipment.

1953
A new addition opened in December, adding 100 beds. The new wing contained the Obstetrical Department, an enlarged Medical Department, interns’ quarters, a cafeteria, a medical library and kitchens. The wing created a total of 165 beds for the hospital.

1960-1961
A pediatrics wing opened. The lobby, Emergency Department and outpatient facilities were also enlarged. The capacity of the hospital became 220 beds with 32 bassinets. Funds were raised for a new construction program. A medical-surgical wing opened.
Construction Fast Facts

The friendly face of Scout, MidMichigan’s construction mascot, helped visitors get where they needed to go during campus construction.

The MidMichigan Medical Center–Midland expansion required approximately:

• 12,500 cubic yards of concrete, equal to 1,390 truckloads
• 29,500 square feet of exterior brick, or 50,000 bricks
• 30,000 sheets of drywall
• 9 miles of pipe
• 422 dump truck loads of dirt moved during excavation
• 104,500 pounds of rebar for concrete reinforcement
• 47 miles of electrical wire, not including telephone or data wire
• 728,000 man-hours of field labor
• 952 days of construction
• 15 to 250 workers on-site

In May, construction of the Harlow Building was complete. Many of the patient units were located here, as well as a new pharmacy, health science library, physical therapy, skilled care, medical records, occupational therapy and other patient-related departments. Midland Hospital became Midland Hospital Center.
Medical Center Floor Maps

From A, B, C to 1, 2, 3
As part of the expansion project, a new numbering system was applied to all of the existing and new patient tower, as well as the Orchard Building. This important change affected several systems including patient billing, phone, nurse call and fire alarm systems. Room numbers have now been assigned an “H” for Hospital or “O” for Orchard, followed by the floor level and room number.

1986
Phase 1 of the hospital’s master site plan was completed and included a new Ambulatory Surgery Unit, Intensive Care Unit and expanded Food Service Department. The cafeteria reopened as the Plane Tree Café.

1993-1994
In 1993, Wellness Drive was constructed connecting the campus to a new north entrance off Saginaw Road. The Medical Center celebrated its 50th anniversary in 1994.
Six New Operating Rooms, Patient Prep and Recovery
The new Surgery Unit on Floor 2 opened in December 2010, with 23 rooms for surgical patient preparation and recovery and six of the most technologically advanced operating rooms in the region.

In the ORs, video monitors enable all surgical team members to see what is happening on the operating table using cameras mounted in the surgical lights, for excellent communication, efficiency and safety. The monitors can also be used during surgery to call up surgical images, X-rays and patient vital signs for the most effective treatment planning and guidance.

The ORs are also equipped to add remote collaboration, consulting and teaching.

The ceiling-mounted Skytron® Equipment Boom System supports efficiency and safety in the operating room. The system can position surgical lights, flat-screen monitors, anesthesia gases and other equipment anywhere within a 16-foot circle around the patient treatment area with no power cords or equipment clutter. Equipment and monitors are ideally positioned for each type of surgery, and everything else can be moved out of the way for barrier-free movement of the surgical team.

Ultra-efficient Aurora LED surgical lights use pods of light-emitting diodes to produce the brightest light, with no heat, no glare, excellent shadow control and adjustable color temperature.

TotalCare® Connect Beds meet the special needs of critical-care patients. For enhanced patient safety, the Philips Central Patient Monitoring System enables nurses to check patient vitals either from the bedside or at the nursing station to closely monitor patients in the invasive imaging prep and recovery area throughout their stay.

Surgical Services Admitting And Patient Rooms
The new Surgical Services admitting and patient rooms provide state-of-the-art equipment to care for our patients. Having these private rooms adjacent to the operating rooms allows for the patient’s support group to stay with them until the staff take the patient to the operating room.

The Journey to Wellness Campaign invited the community to contribute toward technology for the new expansion and resulted in contributions of $100,000. If you would like to make a donation to any MidMichigan Health affiliate, visit www.midmichigan.org/about/donations/make-a-donation.
New Areas Opened This Fall
Opening in October 2011 were the Progressive Care Unit (PCU), Intensive Care Unit (ICU), Invasive Imaging area, and Surgical Services and Invasive Imaging Waiting Room. The ICU, with eight beds, and the PCU, with 16, are on Floor 3 in the new patient tower, which also contains a new Pediatrics Unit.

The new surgery waiting area seats 117 in a multi-zoned space where those waiting can read or rest, watch TV, or check email at one of two computers. An electronic tracking board enables family members to follow a patient’s progress through prep, surgery and recovery using a private PIN number. The area provides a dramatic view of the atrium lobby.

Invasive Imaging Intake and Recovery Area
Patients coming for cardiac catheterization, electrophysiology or interventional radiology services will receive all admission, pre-procedure care and post-procedure recovery services in a new, expanded Invasive Imaging Department.

The area offers 18 private rooms, centralized patient monitoring, computerized charting and comfortable amenities for both patients and visitors. Directly adjacent to the procedure rooms, the new area provides the latest in technology in an environment designed to efficiently meet our patients’ needs. Private patient rooms, enhanced with natural light, provide the highest level of privacy and comfort available.
Creating a Timeless Look With Practical Materials

Practical and durable materials are combined with enduring design in the expansion and renovation. Some elements make a visual statement, but the overall aesthetic is created to be effective for the 20 to 30 years of use typical for a health care facility.

Natural Environmental Themes
Suggested by the Medical Center’s beautiful 145 acres of wooded campus, the building’s colors, materials, surfaces, furnishings and art have been carefully coordinated to reflect the natural environment and create a comforting and calm atmosphere.

Flooring, countertop and walls are practical materials that harmonize with surroundings. Manufactured solid surfaces, tile or granite were chosen for areas that are typically wet, are subject to a constant traffic, or if code requires cleanability and no scratches. Cost-conscious laminates were chosen for areas of lighter use.

Sheet rubber floors in patient areas can be damp-mopped and will never require stripping and refinishing. The low maintenance keeps from interrupting round-the-clock operations. The environment benefits because rubber is a renewable material and, with no refinishing required, there are no volatile organic compounds. For staff working long shifts, there’s also less fatigue versus walking on hard floors.

Attractive Exterior Accents
Outside the building, the two-toned brick exterior features trim and accents of engineered stone, a composite of rock and resin. The top floor is clad with an exterior finishing insulation system (EFIS), combining insulation and a colored coating that resembles stone, but is lighter in weight and more cost-effective.

In direct view of the main lobby, four blue spruce trees will serve as additional Love Light Trees, giving the option for future tree-lighting ceremonies to be held indoors.

Walkways of exposed colored aggregate serve the visitor drop-off and handicapped parking areas, as well as the hospital, maternity and employee entrances. These areas also include the welcome feature of automatic snow-melting to reduce potential for slips and falls in winter weather.

Germ-Fighting Door Handles
Every door handle in the new building has an antimicrobial coating that inhibits the growth of surface bacteria. The special handles were a significant investment in increased safety for all who use the building.
Hundreds of works of art enhance public spaces, staff areas and patient rooms. Original works from Michigan artists are featured along with carefully chosen reproductions, all with cleanable surfaces. Positive, restorative, stress-reducing images of the natural environment are the common thread. The art committee also agreed the facility should look like Michigan.

Furniture and fabric choices had to be durable, cleanable, and work well for all. For example, waiting room chairs seat people of all sizes, including those who can’t move easily. Sturdy arms have open sides with a molded, non-upholstered grip to help people boost themselves to a standing position.

Building Systems Go Green

The project called on design and building standards from the U.S. Green Building Council’s program for Leadership in Energy and Environmental Design (LEED®).

Sophisticated new building systems protect air in operating rooms with a three-stage germicidal and air cleaning process. Custom-produced glazing gives windows an insulation value of R-30, typical of a well-insulated wall. The new, energy-efficient power plant will enable expansion and, eventually, will heat, cool and circulate air throughout the entire Medical Center using less energy than the plant in use today.

In planning the building, dozens of separate decisions had to be right the first time. It would be cost-prohibitive, difficult or impossible to retrofit these systems after the fact, and they are likely to be even more important in the future than they are today.

“Keeping patient safety and comfort in the forefront, we’ve built a facility that balances long-term and immediate needs, reduces the impact environmentally and financially, and continues to deliver the best care for our patients ... without compromise,” said Mike Erickson, vice president of facilities and construction for MidMichigan Medical Center–Midland.

Mike Erickson stands in front of the custom manufactured air handling system. It utilizes a state-of-the-art “green design” fan wall system that uses less energy than other models.

LEED is a registered trademark of the U.S. Green Building Council.
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A Lifetime of Trusted Care

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We’ve Gone Social: Connect with MidMichigan Health