Concern for children prompted the University of Michigan Health System, based in Ann Arbor, to open its first children’s hospital in 1903. Today, that concern has produced the new, 348-bed, 12-story (inpatient wing) and 9-story (outpatient wing), 1.1-million-square-foot University of Michigan C.S. Mott Children’s Hospital and Von Voigtlander Women’s Hospital, designed by HKS. The striking design combines such family-centered features as all-private inpatient rooms with sleep space for parents, a breathtaking two-story lobby adjoining an outdoor garden park and reflection area, dining facilities offering in-hospital and take-out service, gift shop, 24/7 family center, indoor playground and in-hospital Ronald McDonald House, along with state-of-the-
art clinical facilities highlighted by 16 operating rooms, including robotic surgery capabilities and an intraoperative MRI OR, blood and marrow transplant suite with on-site infusion pharmacy, Michigan Congenital Heart Center, all private ICUs, and pediatric emergency department and urgent care center. Similarly, Von Voigtlander Women’s Hospital, located within the Children’s Hospital, provides seamless care for mother and baby with a birthing center, perinatal assessment center, high-risk labor and delivery area, NICU and fetal surgery program. Hospital executive director Patricia Warner, MPH, proudly notes, “We are extremely pleased to offer our patients a beautiful facility that incorporates a healing, family-centered environment and the latest in technology and care.”

A: Lounge in main lobby  
B: Intraoperative MRI operating room  
C: Nurses station
Breakthrough design concepts can transform hospitals no less than advances in medical technology, as the new, 103-bed, four-story, 182,000-square-foot Texas Health Presbyterian Hospital Flower Mound, in Flower Mound, reveals. The award-winning acute care hospital, designed by HKS for fast growing southern Denton County, introduces an inviting, patient-centered healing environment equipped with state-of-the-art equipment, a full scope of diagnostic services, six surgical suites, nine PACU, catheterization laboratory and 12-bed emergency department. As developed by Texas Health Resources, the facility demonstrates the power of smart planning, smart design and smart construction. “For four months prior to design, we reviewed the entire flow and process within the hospital,” recalls Krystal Mims, THP president, “working with doctors as well as the architect, contractor, MEP consultant and members of the community.” The result is a structure that is nearly 600 gross square feet per bed smaller than today’s standard 100-bed hospital, saving space, reducing footsteps, and focusing on improved processes. In addition, because the construction reflects the latest green building concepts, it may receive LEED Silver certification. Finally, the hospital employed Integrated Project Delivery to open on time and below its targeted cost, freeing up funds for more medical equipment. “Today,” Sims happily reports “doctors, staff, patients and community members call the building ‘their’ hospital.”

A: Exterior  B: Lobby  C: Main entrance
Photography: Blake Marvin/HKS, Inc.
A: Courtyard  B: Labor and delivery room  C: Internal street connecting dining patio and courtyard
Hospitals have historically promoted the convenience of caregivers, leaving many patients and families unprepared for institutions such as Capital Health Medical Center Hopewell, a new, 223-bed, five-floor, 900,000-square-foot community hospital in Pennington (Hopewell Township), New Jersey. Designed to optimize patient care with architecture from HKS (who had to work with the HUD-approved budget, scheduling, cost review, construction close-out, payments and bonding requirements) and interior design from Array Healthcare Facilities Solutions, the hospital places state-of-the-art medical technology in a healing environment inspired by the hospitality industry. Thus, besides such services as the Center for Digestive Health, CyberKnife® radiosurgery, pediatric emergency care, DaVinci® robotic surgery, advanced orthopedic services, and oncology center with TrueBeam™ linear accelerator, there are attractive, hotel-style interiors that give the lobby, all-private patient rooms, gift shops, coffee shop, spa, public resource library and business center a warm, regional feeling and easy wayfinding. Yet the patient experience is more than skin deep. Capital Health began the development by inviting
focus groups to examine relevant design issues facing the new hospital, sharing insights from patients, families, staff and volunteers with the project team. Thus, its new hospital can truly promise families, “This new medical center will transform the way healthcare is delivered by providing amenities that take care of you so you can take care of your health needs or those of your loved ones.”
As Fort Hood, Texas, changes in response to the Army’s evolving requirements, its on-site hospital has developed accordingly. Darnall Army Community Hospital opened in 1965 to replace World War II-era Fort Hood Hospital, becoming the first of three permanent Army 200- to 300-bed hospitals. With Fort Hood expanding from a one-division installation to a full-fledged Corps, Darnall underwent a massive addition and reconstruction in 1984 that doubled its size. Today, Darnall—redesignated Carl R. Darnall Army Medical Center in 2006—serves over 42,000 active duty personnel and more than 145,000 retirees and family members in a 40-mile radius, including wounded and ill soldiers evacuated from Iraq and Afghanistan. The upcoming, five-story, 947,000-square-foot replacement hospital, designed by HKS, will provide world-class healthcare within an innovative healing environment. On the exterior, its contemporary architecture will reflect the Army’s desire for simple appeal, with its various structures incorporating Texas limestone and other local materials and harmonizing with the topography, views, access and solar orientation. Inside, circulation will be a central design theme linking functional groupings of services into “portals of care” along a concourse that runs the length of the facility.
while daylight and outdoor views will complement interiors whose clean, modern lines and matching furnishings reflect “What Makes the Army Strong.”

_A: Exterior at main entrance  B: Family health clinic_