

2020 VISION LIFE EXPANDED



Penn Medicine
Chester County Hospital



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This construction project is the largest ever in the hospital's history and propels it into the vanguard of 21st century health care.

In 2020, the hospital will complete a **250,000-square-foot expansion** and 26,000-square-foot renovation plan that will make world-class health care accessible to all of Chester County.

THE PROJECT INCLUDES:

- NEW MAIN ENTRANCE/LOBBY
- RETAIL PHARMACY
- BISTRO
- GIFT SHOP
- CONFERENCE ROOMS
- INTERIOR COURTYARD
- EXPANDED EMERGENCY DEPARTMENT
 - 13 ADDITIONAL ROOMS
- 99-BED TOWER FEATURING PRIVATE ROOMS FOR PATIENT CARE
- MODERN PROCEDURAL PLATFORM
 - 15 STATE-OF-THE-ART OPERATING ROOMS
 - 3 HIGH-TECH LABS FOR CARDIAC CATHETERIZATION AND ELECTROPHYSIOLOGY
- NEW SPACES FOR INTERVENTIONAL CARDIOLOGY AND PRE-ADMISSION TESTING
- ROOFTOP HELIPAD

This history-making expansion occupies the hospital's current front yard. LF Driscoll's construction methods protect the hospital both while it is under construction and well into the future.

To facilitate construction of the new building, the expansion team started by upgrading the historic South entrance to Chester County Hospital's campus, allowing the main entrance to be closed. Phasing and construction have been carefully coordinated with the multispecialty teams to minimize disruption to hospital operations. The majority of the construction required to prepare for the expansion was completed at night. Dust and vibration control measures have been taken throughout the process to ensure that the hospital operates safely while new spaces are built.



Planning for an expansion of this size and complexity requires consensus building among multiple stakeholders to answer critical questions.

FROM BIG PICTURE IDEAS:

- What will health care look like in 10 years? In 30 years?
- Who are our patients now and in the future?
- Who will our clinicians and caregivers be?
- What will motivate them?
- What do we value most about our current institution?

TO THE IMPORTANT DETAILS:

- What is the optimal size for a hospital room?
- What materials are both durable and beautiful?
- What type of ceiling system should be used in the procedure rooms?

Chester County Hospital adopted an open-door policy for planning. With the help of Ballinger architects, the hospital engaged multiple stakeholders with innovative design techniques throughout the process. Both 3D models and full-scale mock-ups were utilized to test and ensure that the design of the rooms was optimized for the experience of both the medical provider and patient.

The architects also incorporated concepts from evidence-based design research to plan for the ultimate healing environment. For example, operational flow mapping from the patient experience perspective revealed opportunities to eliminate unnecessary steps, allowing caregivers to provide more effective direct patient care.



The ambitious new expansion project is transformational while staying true to Chester County Hospital's architectural roots.

A NEW PAVILION DESIGN: COURTYARDS AND CONNECTIONS

The simplicity of the new glass elements and courtyards will complement the white stucco and terra cotta roofs of the existing campus and new bed tower. These features will allow for intuitive wayfinding while providing access to daylight and nature. Patients, family and staff have access to exterior courtyards and the surrounding landscape.

A new ground floor courtyard will serve as a verdant extension of the lobby, with places to sit under a canopy of Ginkgo trees. Two beautiful conference rooms and a modern elevator lobby will look into this courtyard. At the upper level, private relaxing spaces will be filled with the color and fragrance of perennials to create a healing garden for calm reflection.

The building is designed with LEED Silver certification as the goal. The vegetated green roof above the procedural platform will enhance patient room views and the hospital's sustainability.

An adjacent parking garage, which opened in 2016, allows for better access to care.



A NEW FRONT DOOR IS THE GATEWAY TO ADVANCED CAPABILITIES AND AMENITIES



A welcoming arrival court and distinct entrance will enrich the patient experience. Once inside, patients will be greeted with an inviting light-filled lobby and panoramic views. In fact, the lobby will feel like an extension out into the courtyard and beyond.

Careful consideration has been given to the material palette to ensure that it is warm and inviting but also durable.

The positioning of the entrance is purposefully separate from the busy Emergency Department entrance, allowing for a more tranquil approach.

Across the campus, visitors will experience a living landscape featuring meadow gardens of grasses and wildflowers. A sculptural landform will rise up out of the arrival court and provide a focal point. Asters, Bee Balm, Little Bluestem and other species native to Chester County will attract pollinators and birds, bringing color, life and seasonal change to the meadow gardens.





The construction team is part of Chester County Hospital's community and that alignment informs everything from specific construction decisions to communication measures.

During construction, the team uses disinfection and wall closure techniques that mitigate future issues once the walls in the new tower are finished. Extensive quality control measures ensure the building's exterior envelope does not allow outside air or moisture into the building. United by its mission of bringing progressive care to the Chester County community, the construction, architecture and medical teams work in harmony to deliver this leading-edge expansion to Chester County Hospital.

NOTEWORTHY DESIGN ASPECTS TO TAKE EFFECT IMMEDIATELY UPON OPENING ARE:

- **Private inpatient, prep/recovery and emergency rooms**
- **Co-location of surgical and interventional for collaboration and future flexibility, a major accomplishment for a community hospital**
- **Smart technologies are embedded throughout the facility**
- **Flexibility to become a trauma center**
- **A new rooftop helipad**



The design is future-thinking with the ability to change. While no one can predict the future, good facility design can enable it. Implementing programmatic innovation today provides the flexibility to be ready for tomorrow.



An architectural rendering of the Chester County Hospital building at dusk. The building is a multi-story structure with a light blue facade and numerous windows, some of which are illuminated from within. The entrance area features a glass-fronted canopy with the text "Chester County Hospital" and the Penn Medicine logo. The foreground shows a landscaped area with green grass and a paved walkway. The sky is a deep blue with some light clouds.

DESIGNING A BETTER SPACE FOR HEALING

We are building an environment that fosters healing by giving patients and their families choice and control, and offers care providers a compelling place to work.

This new space will resonate with the needs of patients, families and medical providers and will support the values of a community-based hospital. Chester County will benefit from having urban innovation right here in the suburbs. The expansion will allow more space for the most sophisticated medical procedures, provide more personalized care for in-patients, increase the patient care space in the Emergency Department and allow local residents and the surrounding communities to stay close to home to receive the highest quality of care.

It is an elegant, forward-looking design rooted in the hospital's architectural tradition as well as its lasting mission: To be the leading provider of care in the region and a national model for quality, service excellence and fiscal stewardship.



THE *New Lease on Life* Cancer Center

Bringing the full power of Penn Medicine home.

WE'VE ADDED SPACE—

by 14,000 square feet, to be exact. But in the process, we've added much more.

The Abramson Cancer Center at Chester County Hospital brings the full power of Penn Medicine home. With a world class team of oncologists, specialists and researchers. All in one place. All working to create the world's most advanced cancer therapies, right here at home. Where you'll grow and flourish.

HIGHLIGHTS:

- Completed in late spring of 2018, the expansion unfolded over three phases and effectively doubled the size of the cancer center.
- The first floor now hosts 25 exam rooms, a new intake area, two nursing stations, three phlebotomy stations (to take blood), an on-site laboratory, and an elevator to take patients to infusion services.
- The second floor houses 24 spacious infusion bays, including private rooms with space for loved ones in addition to community areas. A new state-of-the-art conference room has also been added, serving two critical roles: as a public education forum and communication hub for physicians and advanced practice providers.
- The expansion has allowed the cancer center to host more specialty surgeons under one room, facilitating a more seamless coordination of care.

Life Delivered

The Moore Neonatal Intensive Care Unit (NICU)

A level III NICU providing specialized care for newborn babies.

The Moore NICU at Chester County Hospital is located in the heart of our maternity unit to manage the care of premature or full term babies who have special medical concerns. Led by a team of Neonatologists from the Children's Hospital of Philadelphia (CHOP) on staff at Chester County Hospital and complemented by skilled nurses, our Level III NICU is designed to care for the most complex and severely ill newborns at any gestational stage.

Chester County Hospital has the highest ranked level NICU in the county as awarded by the Pennsylvania Department of Health and receives many newborns transferred to our care.



HIGHLIGHTS:

- The Moore NICU can accommodate up to 15 infants. Clinically advanced specially sized equipment allows us to closely monitor the condition of our littlest patients at all times.
- One of the first things parents notice when they arrive is the family-friendly atmosphere. It is a warm and comforting place, with a lounge for visitors, a comfortable private breastfeeding area, and accommodations for parents who wish to stay overnight.

