

Nemours Children’s Hospital, Delaware

3T MRI Purchase

April 23, 2026

NEMOURS
CHILDREN'S HEALTH

Agenda



- About Nemours
- Project Background
- Review Criterion

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About
Nemours Children’s Hospital, Delaware

Nemours Children's Hospital, Delaware

- **260 Licensed Beds**
  - Delaware's **only freestanding children's hospital**
  - Delaware's **only pediatric Level I Trauma Center**
  - Delaware's **only Level IV NICU**
  - Lisa Dean Moseley Institute Center for **Childhood Cancer & Blood Disorders**
  - Institute for **Maternal Fetal Health**
- 3x **Magnet** Designation
- Top 10 USNWR Children's Hospital in the Mid-Atlantic, **recognized in 8 specialties**
- Honored by NRC Health with **2024 Excellence in Patient Experience Award**



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Nemours Children’s Hospital, Delaware

3T MRI Purchase

3T MRI Purchase—Project Highlights

- As Delaware's children's hospital, and with three MRI scanners already in service, Nemours Children’s Hospital is **the state's preferred pediatric MRI provider**.
- **Expand pediatric MRI access and availability** to support clinical program growth and meet current and future patient demand.
- The expansion of our MRI services supports **Nemours' vision to raise the healthiest generations of children** by advancing world-class clinical programs that produce optimal results.

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3T MRI Purchase—Addressing the Need

- National data indicate that **18–25% of children** will require at least one MRI before age 18, with utilization rates even **higher among those with congenital heart disease and other complex conditions**.
- Demand for additional 3T MRI capacity is also **driven by several strategic programs/services**:
  - The addition of **laser interstitial thermal therapy** that uses real-time MRI imaging to guide a laser to destroy specific tissue in the brain.
  - A growing **maternal fetal medicine** program that can diagnose problems during pregnancy and deliver babies who will need immediate and complex care immediately after delivery.
  - An **advanced cardiac center** that offers the highest level of expert, personalized heart and vascular care for children from birth into adulthood.
  - The **Lisa Dean Moseley Foundation Institute for Cancer & Blood Disorders** was established to improve the health of children and adolescents diagnosed with cancer, sickle cell disease and other blood disorders.

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3T MRI Purchase—Project Objectives

- The **prioritized objectives** of this project include the following:
  - **Capacity:** Reduce wait times and increase throughput. Conservative projections demonstrate this project will allow for 1,250 scans per year.
  - **Quality and Safety**: Improve clinical outcomes by offering higher resolution images, which are critical for accurate diagnosis in fetal and cardiac imaging. This technology will also decrease the need for sedation by minimizing motion-related imperfections in the image, thereby reducing the potential for complications associated with anesthesia.
  - **Standards of Care:** Both fetal and cardiac imaging involve significant motion. Therefore, the standard of care for these scans requires a 3T MRI capable of controlling that motion. Cardiac scans are particularly difficult because the heart is always moving.
  - **Family and Patient Satisfaction:** Expanding timely access to MRI scans for pediatric patients will improve the family experience and ensure that our pediatric patients can be diagnosed quickly and begin a plan of treatment as soon as possible.
  - **Enabling Patients to Stay in Delaware:** As Nemours continues to build out our tertiary and quaternary levels of care, we are ensuring that any Delaware child who requires this level of care can receive it in their home state.

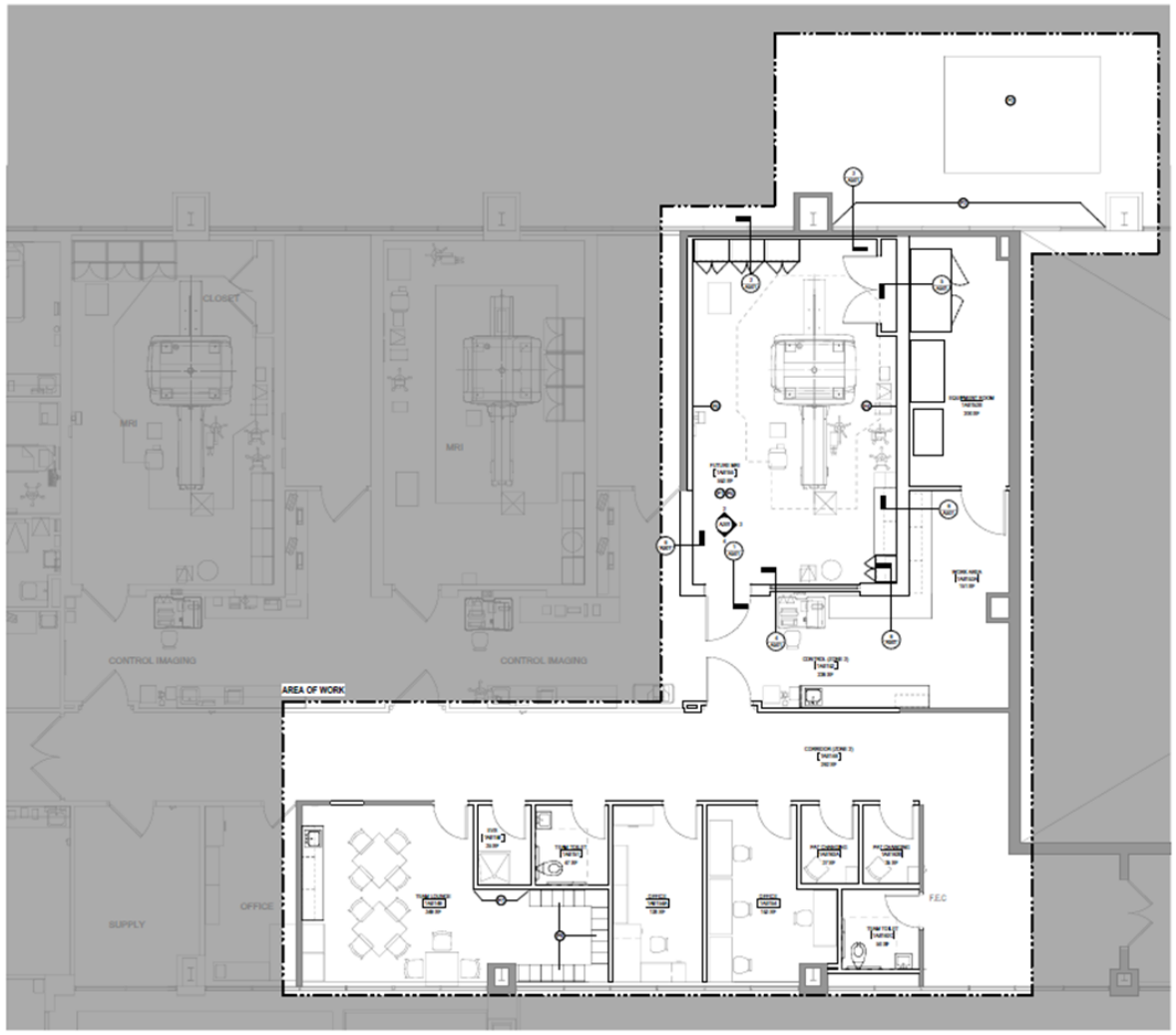
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3T MRI Purchase—Project Details

- This specific project includes **retrofitting an existing interventional radiology suite** within the current MRI area to accommodate installation of a new 3T MRI.
    - **Preparatory site work includes:**
        - Pouring a new concrete slab outside the hospital to accommodate the chiller for the new MRI
        - Replacing existing lead lined walls with copper shielding and installing new metal panels on the hospital exterior wall to block external radiofrequency signals from interfering with the MRI scanner and to contain the MRI scanner's magnetic field.
        - Adding medical gas outlets to the room.
        - Building additional staff lockers and patient changing areas.
- Purchase and installation of new **Siemens 3T MRI scanner** and **pediatric-specific software package**.

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3T MRI Purchase—Project Details









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3T MRI Purchase—Project Cost

- **Total capital expenditures are budgeted at $7.3M**, inclusive of purchasing the MRI (~$3M), space renovation and infrastructure costs, other clinical equipment, and furnishings.
- Nemours will **not be taking on any short or long-term debt** to support either the construction or related operating expenses including, but not limited to, salary and related expenses.
- The MRI purchase and installation will **not require the hospital to add licensed beds**.

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3T MRI Purchase—Project Impact on Health Care Costs

- Projected first full year of operations is **2027**.
- **No direct impact on the costs and charges of existing health services** being provided within Nemours or the larger healthcare system.
- Children requiring advanced MRI often face two **costly alternatives**: traveling out of state for imaging or receiving care in less specialized settings.
- Both options can lead to **higher expenses for families and payers**, fragmented care, and potentially poorer outcomes that drive up long-term healthcare costs.
- By providing high-resolution imaging in-house, Nemours ensures **timely diagnosis and treatment planning**, which can prevent complications and reduce downstream costs associated with prolonged hospital stays or repeat imaging.

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3T MRI Purchase—Project Impact on Healthcare Quality

- Adding a 3T MRI at Nemours Children's Hospital, Delaware **elevates Delaware's pediatric care standards**, **aligns with value-based care goals**, and ensures the state's most vulnerable children have **access to world-class imaging close to home**.
  - **Improved Diagnostic Accuracy**: superior image resolution and advanced capabilities, enabling earlier and more precise detection of complex conditions
  - **Comprehensive, Coordinated Care**: Integrating advanced imaging within Nemours' pediatric ecosystem ensures continuity of care, reduces fragmentation, and supports multidisciplinary teams in managing complex cases effectively.
  - **Enhanced Access and Equity**: Eliminates the need for out-of-state travel, reducing delays, and improving convenience—especially critical for high-risk pregnancies and children with chronic conditions.
  - **Better Outcomes and Safety**: Faster scan times reduce anesthesia exposure for young patients, while accurate imaging supports timely interventions and reduced complications.
  - **Supports Growth in Specialized Services**: Nemours' Institute for Maternal Fetal Health relies on high-resolution imaging for prenatal diagnosis and surgical planning.

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3T MRI Purchase—Conformity With Review Criteria

- ✓ Criterion I: relationship of the proposal to the health resources management plan
- ✓ Criterion II: the need of the population for the proposed project
- ✓ Criterion III: alternatives to the project
- ✓ Criterion IV: relationship to the existing healthcare delivery system
- ✓ Criterion V: access to financial, management, and other necessary resources
- ✓ Criterion VI: effect of project on costs and charges of health care
- ✓ Criterion VII: effect of project on quality of health care

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Thank You

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Appendix

Our Journey Began in 1936



"It has been my firm conviction throughout life that it is the duty of everyone in the world to do what is within his power to alleviate human suffering."

— Alfred I. duPont

NEMOURS CHILDREN'S HEALTH

One of the Nation's Leading Pediatric Health Systems



2 Hospitals
71 Care Locations in **6** States

20 Collaborating Hospitals

$1.9 Billion in Annual Revenue

2.2 Million Patient Encounters Annually

137.4M Visits to Kidshealth.org

9,850 Associates

1.070 Employed Physicians

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Alfred I. duPont Institute









Nemours Children’s Hospital, Delaware







Our Extended Delaware Footprint

- 12 **Primary Care** Practices serving 61k+ patients
- 3 **Specialty Care** Practices
- 17 **School Based Health** Centers
- 7 private practices participating in our **Kidwell Network**
- **Partnerships** with all 5 Delaware community hospital systems





KidWell NETWORK

NEMOURS CHILDREN'S HEALTH

Training the Next Generation of Pediatric Specialists

- **Educational partnerships**:
  - Sidney Kimmel Medical College/TJU
  - ChristianaCare
- 5 **Pediatric Residency Programs** including Dental and Pharmacy
- 18 **Clinical Fellowship** Programs
- 3 **Research Fellowships**



Our Success

In 2024, Nemours Children's Health provided training to **370 medical students** and **770 visiting residents & fellows**

Since 1996, Nemours Children's Health in Delaware has successfully graduated more than **900 physicians** who have completed residency and fellowship training.

NEMOURS CHILDREN'S HEALTH

Pediatric Research

130+ Clinical Trials

400+ Peer Reviewed Articles
(2024)

4 Core Research Labs

Biobank & Molecular Analysis
Bioinformatics
Cell Science
Histochemistry & Tissue Processing

$24M External Research Funding
(2024)

Delaware Health Sciences Alliance

DELAWARE BIOTECHNOLOGY INSTITUTE®

DelawareINBRE
Delaware's Biomedical Research Catalyst

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2024 Community Benefit

2024 Delaware Valley Community Benefit: **$113,088,925***

$38,782,129 | Uncompensated Care
$37,505,605 | Research & Discovery
$10,245,867 | Subsidized Health Services
$18,754,513 | Prevention & Influencing Health
$2,449,753 | Education & Training
$5,351,036 | Donations

**Total amount of 2024 Community Benefit not including Unreimbursed Medicaid: $95,475,915.60*

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3T MRI Purchase—Conformity With Review Criteria

- CRITERION I: RELATIONSHIP OF THE PROPOSAL TO THE HEALTH RESOURCES MANAGEMENT PLAN
  - This application **expands pediatric MRI access and availability** in Delaware consistent with the principles of the Health Resources Management Plan
- CRITERION II: THE NEED OF THE POPULATION FOR THE PROPOSED PROJECT
  - Enhanced access to 3T MRI imaging is critical for Delaware's children and families because it **enables earlier, more accurate diagnosis of complex conditions, reduces the need for out-of-state referrals, and ensures care continuity** within a single, coordinated pediatric system.

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3T MRI Purchase—Conformity With Review Criteria

- CRITERION III: ALTERNATIVES TO THE PROJECT
  - Based on publicly available data, **Delaware currently has only one non-Nemours 3T MRI scanner**, located in an outpatient imaging center. While this resource may serve routine imaging needs, it is not designed for the highly specialized, multidisciplinary care required for many pediatric cases.
- CRITERION IV: RELATIONSHIP TO THE EXISTING HEALTHCARE DELIVERY SYSTEM
  - The addition of a new 3T MRI **elevates Delaware's pediatric care standards, aligns with value-based care goals, and ensures children have access** to world-class imaging close to home.

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3T MRI Purchase—Conformity With Review Criteria

- CRITERION V: ACCESS TO FINANCIAL, MANAGEMENT, AND OTHER NECESSARY RESOURCES
  - The proposed 3T MRI purchase will be funded through operating capital. **Nemours will not take on any short or long-term debt** to support either the construction or related operating expenses including, but not limited to, salary and related expenses.
- CRITERION VI: EFFECT OF PROJECT ON COSTS AND CHARGES OF HEALTH CARE
  - There will be **no increase in the costs or charges** of existing services at Nemours or across the broader healthcare system because of this project. Instead, the addition of this scanner will **enhance efficiency and reduce indirect costs** by minimizing delays and avoiding unnecessary transfers.

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3T MRI Purchase—Conformity With Review Criteria

- CRITERION VII: EFFECT OF PROJECT ON QUALITY OF HEALTH CARE
  - Adding a 3T MRI at Nemours Children's Hospital will have a significant **positive impact on the quality of health care in Delaware** through improved diagnostic accuracy, enhanced in-state access, better health outcomes, and the potential to provide advanced levels of care.

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