

2020-2021

Pediatric Residency Program



Our mission:

To Serve.
To Heal.
To Educate.

Cooper
University Health Care



Cooper Medical School
of Rowan University

Welcome to the Pediatric Residency Program



Welcome



Michael H. Goodman, MD, MMM
Department Chief



William R. Graessle, MD
Program Director

Thank you for your interest in the Pediatric Residency Program at Cooper University Health Care. The field of pediatrics is an exciting and rewarding one. There is great joy in working with children and their families.

With an expansion of services, Cooper has become stronger in its role as the academic medical center of South Jersey. The Children's Regional Hospital at Cooper accredited Pediatric Residency Program will provide you with the knowledge and clinical experience necessary to become a successful pediatrician. Our full-time faculty is energetic, enthusiastic, and committed to teaching. We have earned an excellent reputation by providing quality medical care in a family-centered environment. We have worked equally hard within our medical education program to create a friendly atmosphere that is conducive to learning.

Our teaching program in pediatrics has undergone a number of changes over the past several years. Most of those changes have been generated by feedback from residents and graduates. The result is a program that focuses on resident-directed education and lifelong learning. The program uses several different interactive conferences to accomplish this. You will find the details of these conferences on the pages that follow.

We invite you to visit and learn more about our program.

Please call our Medical Education Office at 856.757.7904 if you have any questions.

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Pediatric Residency Experience



Program Aims

- To provide residents with a strong foundation in general pediatrics and the knowledge and skills necessary to enter inpatient or outpatient practice or to pursue further training in a subspecialty fellowship.
- To encourage self-directed learning through conferences and independent learning activities, and to provide the necessary skills, evidence-based medicine for example, for residents to become lifelong learners.
- To foster and develop compassionate and collaborative pediatricians who are culturally competent and who are physician advocates for their patients and community.
- To foster an environment that encourages each resident's strengths, aiming to maximize their potential to become the best pediatrician, teacher, and mentor they can, and to help improve the program by engaging residents in self-evaluation and program evaluation.

The pediatric residency experience at the Children's Regional Hospital at Cooper will provide you with a balanced exposure to both primary care pediatrics and the pediatric subspecialties. We not only have a well-established role as a regional center for pediatric tertiary care, but also have a long-standing commitment as primary caregivers to children in the city of Camden. In addition to primary care pediatrics, your residency experience will expose you to the full array of pediatric subspecialty and support services. These include: adolescent medicine, allergy and immunology, cardiology, critical care medicine, dermatology, developmental and behavioral pediatrics, endocrinology, gastroenterology, genetics, infectious diseases, neonatology, neurology, pulmonary medicine, and psychiatry. Pediatric surgical subspecialties include adolescent gynecology, craniofacial surgery, general pediatric surgery, ophthalmology, otolaryngology, and plastic and reconstructive surgery.

Other departments within the hospital with pediatric subspecialists include anesthesiology, physical and rehabilitative medicine, radiology, and emergency medicine.

A pediatric residency at Cooper can provide you with some unique clinical opportunities. Cooper's location in an urban setting provides exposure to a broad range of patients needing primary care. Our role as a regional tertiary referral center brings a diversified patient mix, since we draw patients from a 10-county area that includes urban, suburban, rural, and resort communities. Many of our programs have been designated by the NJ State Department of Health as the regional providers of their respective services. In addition, many of our divisions provide the only subspecialists of their kind practicing full-time in southern New Jersey. Cooper's Level I Trauma Center is the only state-designated trauma center for southern New Jersey and the only trauma center certified for pediatric trauma by the American College of Surgeons. We are also one of only two regional perinatal centers in the seven southern-most counties of New Jersey.

to serve

Pediatric Residency Program



Program Strengths

- Close interaction with faculty
- Autonomy in patient management
- Graduates well-prepared for any practice path (fellowship, hospitalist, outpatient)
- Many opportunities to teach and mentor students

Our current inpatient facilities include 56 neonatal/infant beds: 23 in the intensive care nursery, 12 in the intermediate care nursery, and 24 for newborns who room in with their mothers. In addition, there are 38 beds for children: 32 for general pediatric and medical and surgical care and six for pediatric intensive care.

Our current outpatient facilities include four suburban sites in addition to the ambulatory center located on our Camden campus. One of the suburban sites, the Children's Regional Center in Moorestown, is devoted to pediatric medical subspecialty care. However, the Children's Regional Center in Voorhees offers both surgical and medical pediatric subspecialty care. Pediatric residents on subspecialty electives rotate through these suburban facilities. Our locations in Burlington, Moorestown, and Washington Township are primary care facilities.

One of the goals of our medical education program is to expose our residents to a diversity of experience. Our faculty's varied backgrounds in academic medicine and private practice offer our residents a unique perspective on pediatrics that prepares them for careers in either setting. Approximately 35 percent of our graduates pursue careers in the pediatric subspecialties.

A second goal of our medical education program is to keep the process as personalized as possible. Both our full-time subspecialists and our general pediatricians are accessible and available to residents. Our program is built on a foundation of regular one-to-one interaction between house staff and attendings. This allows for the development of a mentoring relationship between our residents and faculty. In addition, it opens opportunities for our residents to join in our faculty's ongoing quality improvement and research projects. We also encourage mentoring relationships between our residents and medical students. As the clinical campus of Cooper Medical School of Rowan University, we have medical students participating in the care of our pediatric inpatients and outpatients. Part of your responsibility as a pediatric resident will include the supervision and teaching of these students.

We have 24 approved categorical pediatric residency positions, eight each at the PGY-1, PGY-2, and PGY-3 levels.

to heal

Training Sequence



Program Schedule/Electives

PGY-1	PGY-2	PGY-3
Inpt	ED	Inpt*
Inpt	Elective	Outpt*
NICU	PICU	Elective
Inpt	Outpt	Elective
ED	NICU	Elective
Outpt	Elective	FTN/NF*
Inpt	NICU	Outpt/ NF*
Outpt	Adol Med	Inpt*
Inpt	NICU	FTN/NF*
Com Peds	Inpt*	ED
FTN	Elective	Elective
DP	PICU	Elective

Each rotation represents one month.

Key

Inpt	Inpatient General Pediatrics
DP	Developmental Pediatrics
Outpt	Outpatient General Pediatrics
FTN	Full-Term Nursery
*	Supervisory Role
ED	Emergency Department
Com Ped	Community Pediatrics
NF	Night Float

The American Board of Pediatrics requires that every pediatric resident complete three years of training. Our program offers the following rotation schedule:

PGY-1

The "intern" year is designed to expose the resident to a wide range of pediatric cases. The first-year resident is considered the primary caregiver for those patients who are on his or her service. The NICU experience is devoted to gaining familiarity with premature and other ill newborn patients and their management. Initially, the intern is closely supervised by a senior resident, and given increasing autonomy as the year progresses. Interns are responsible for supervising medical students on the inpatient units.

PGY-2

The second year involves managing increasingly ill children, especially in the PICU and the NICU. The role of the PGY-2 resident on the inpatient units is that of a supervisor. Several months of required and elective subspecialties are provided to expose the resident to more specific and difficult pediatric cases.

PGY-3

The final year of pediatric training is geared toward preparing the resident for his or her future career, be it in primary care pediatrics or fellowship training. The inpatient and outpatient experiences are supervisory in nature, with a considerable amount of time devoted to teaching the junior residents, interns, and medical students. The residents have a great deal of autonomy in managing the general pediatrics inpatient unit along with both the PICU and NICU. Several months of elective time are provided to ensure a well-rounded education prior to leaving Cooper.

to educate

Pediatric Primary Care and Community Health Track



The goal of the Primary Care and Community Health Track of the pediatric residency program is to train pediatricians who receive focused education in primary care, community health, advocacy, and the medical home concept. This program has been funded by a grant from HRSA and is designed to provide more longitudinal education in primary care and multiple opportunities for involvement in community outreach.

The program is structured into three-month blocks. Two blocks each year are dedicated to ACGME-required inpatient experiences and are alternated with three-month primary care blocks. These blocks are structured to have longitudinal experiences in general and pediatric subspecialty care.

The Pediatric Primary Care and Community Health Track is accredited by the ACGME. Two positions per year are designated for this program.

If you are interested in this program, please email the coordinator or program director (or indicate on application).

Resident Curriculum includes the following elements:

- Organized by systems
- Case-based interactive discussions (morning report and chief rounds)
- Independent study with quizzes

Rotation Schedule

PGY-1	PGY-2	PGY-3
Inpt — 3 months	PICU — 2 months	Inpt — 2 months
NICU	NICU	Night Float
ED	Inpt	ED
Term Nursery	Adolescent Med.	NICU
	Dev. Behav. Peds.	Term Nursery
Primary Care Block — 6 months	Primary Care Block — 6 months	Primary Care Block — 6 months

Training Rounds and Conferences



Electives

The Accreditation Council for Graduate Medical Education requires that a minimum of four one-month rotations be completed by each resident, selected from among the following core pediatric subspecialties:

- Allergy/Immunology
- Infectious Diseases
- Cardiology
- Endocrinology/Metabolism
- Neurology
- Gastroenterology
- Pulmonology
- Genetics
- Hematology/Oncology

In addition, our full-time faculty offers pediatric electives in:

- Anesthesia
- Pediatric Radiology
- Child Psychiatry
- Pediatric Surgery/Urology
- Dermatology
- Otolaryngology

Other rotations may be chosen in specialties not offered at Cooper (nephrology and rheumatology).

Our program is built upon daily teaching opportunities that are both formal and informal in nature. Our schedule integrates bedside learning with a comprehensive program of structured conferences. Conferences attended by all residents, year-round, include:

Pediatric Grand Rounds

A weekly conference, these rounds feature topics presented by both full-time faculty and visiting professors. Attendees include house staff, faculty, pediatricians in private practice, nurses, medical students, and a variety of ancillary support staff.

Chief's Rounds

Occurring weekly, this conference is run by the residents and offers the opportunity to present an interesting case to the residents and faculty. This exercise teaches the residents to generate a differential diagnosis and management strategy.

Friday Conference

A 90-minute session designed to cover the majority of topics in pediatrics and to make residents more independent learners. Assigned reading and questions are completed by each resident prior to the session, where they are discussed with faculty in an interactive fashion. This conference has been very well received by the residents.

Morbidity and Mortality Conference

This monthly conference is presented by a third-year resident. The goal of this conference is to identify systems issues and make recommendations for changes in the system that improve patient safety.

Pediatric Radiology

Images are available digitally and reviewed on rounds for each inpatient unit. Studies are reviewed with one of the pediatric radiologists on a regular basis. A formal conference where interesting cases are discussed occurs quarterly.

Training Rounds and Conferences (continued)



Competency-Based Evaluation

The program has a series of evaluations and tasks that are completed for each resident to evaluate a resident's competence. The process includes assembling a portfolio of these tasks each year and reflecting on what has been accomplished by completing a self assessment. Residents meet with their advisor and the program director to review their progress and to make goals for the next six months.

Journal Club

Based on the principles of evidence-based medicine, this series of conferences is designed to teach residents to critically evaluate and apply the medical literature to patient care. Each second- and third-year resident presents Journal Club. Faculty are actively involved to guide the residents through the process.

Retreats

Two resident retreats are held annually at an off-site location. One retreat is designated as a learning retreat and one for camaraderie and relaxation. Recent topics for retreats have included evidence-based medicine, teaching residents to be effective teachers, and resident wellness.

Morning Report

Morning Report is held two times per week and is a forum for discussion of admissions to all services. In addition to the residents on the inpatient service, all residents on-site are required to attend. General pediatrics and subspecialty faculty are present for the discussion.

Resident Rounds

The floor team, which consists of two senior residents, two to three interns, and medical students, is responsible for conducting rounds and determining patient management. These rounds are led by the senior residents, with assistance from faculty.

How to Apply



The Pediatric Residency Program at Cooper University Health Care participates in the Electronic Residency Application Service (ERAS), and all information is processed through this system without exception. Information regarding the ERAS application process and timeline is available on the website listed below.

Association of American Medical Colleges

www.aamc.org/eras

ERAS applications must contain the following information in order for your application to be considered:

- Common application form
- Curriculum vitae
- Medical school transcript
- Three recommendation letters
- Dean's letter
- Personal statement
- USMLE reports (1, 2 and 3)
- COMLEX reports (1, 2, and 2 PE)

In addition to above, applicants interested in the Primary Care Track should send a short paragraph summarizing their interest in primary care.

The application deadline for the 2020-2021 academic year is October 30, 2019.

Contact Information

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The Cooper Campus and Surrounding Area



**The expansion project
at Cooper is a direct
reflection of the growth
in services that Cooper
has experienced over
the past several years.**



Cooper University Health Care is the leading academic health system in South Jersey. Since 1887, Cooper has been providing quality health care to the people of Camden County and South Jersey. When it comes to care, Cooper's experts treat minor problems, critical illnesses, and major traumas with the same level of excellence. These experts will train you – the medical professionals of the future – while together as colleagues providing our patients with comprehensive, compassionate care today. It's more than just medicine, it's our mission.

Located across the Delaware River from Philadelphia, Cooper University Health Care has more than 7,500 employees, including more than 1,250 nurses and 630 physicians in more than 75 specialties. As one of the most trusted health systems in the region, Cooper offers patients quality health care from primary care to specialty care in one or more of its premier Institutes and Centers of Excellence. In 2018, Cooper received 28,716 hospital admissions, 80,802 Emergency Department visits, 46,511 visits to our Urgent Care Centers, and more than 1.6 million outpatient visits. Our teams saw 23,110 surgical cases, 3,766 trauma cases, and more than 123,000 combined inpatient and outpatient cancer visits.

Cooper University Hospital is the center of a growing Camden Health Sciences Campus that includes MD Anderson Cancer Center at Cooper, Sheridan Pavilion at Three Cooper Plaza medical offices, Cooper Medical School of Rowan University (CMSRU), internationally acclaimed Coriell Institute for Medical Research, and the Ronald McDonald House of Southern New Jersey. Cooper is proud to be a catalyst working to transform our community for the better.

The hospital's 312,000-square-foot, 10-story Roberts Pavilion features technologically advanced operating room suites with hybrid imaging capabilities, an advanced laboratory automation facility, and the 25,000-square-foot Dr. Edward D. Viner Intensive Care Unit—featuring 30 private patient rooms equipped with the latest in advanced technology, and allowing 360-degree patient access. Five patient rooms are capable of negative pressure isolation, and five rooms have chambered isolation alcoves. In addition, an enlarged room with operating room-caliber lighting is outfitted to perform bedside exploratory laparotomy in patients considered too medically unstable for transport to the operating room. We are proud to be the first in the nation to provide advanced surgical trauma training to the United States Army Elite Forward Resuscitation Surgical Team.

As South Jersey's only Level 1 Trauma Center and Level II Pediatric Trauma Center, Cooper provides critically ill patients with life-saving care. Cooper's two medical transport helicopters have 24/7 access to a helipad with the latest lighting, snow-melting capabilities, and automatic drainage to prevent icing. Our recently-expanded Emergency Department includes state-of-the-art exam rooms and an iTrack system to improve the flow of patients through the ED, reducing patient wait times. Additionally, designated floors within the hospital serve specific patient populations, including those needing advanced surgical and heart care, along with South Jersey's only dedicated 30-bed inpatient cancer unit.

The Cooper Campus and Surrounding Area, continued



Cooper University Health Care and MD Anderson Cancer Center in Houston, Texas, partnered in 2013 to create MD Anderson Cancer Center at Cooper. Our partnership is a full clinical integration between the two programs. MD Anderson at Cooper physicians adhere to the same philosophy, protocols, and guidelines set by MD Anderson in Houston, and patients receive the same proven practice standards and treatment plans provided at MD Anderson. Today at MD Anderson at Cooper, patients have access to more clinical trials for more types of cancer than ever before, as well as a full range of supportive care services. Additionally, Cooper's Center for Special Diagnostics, located in our Education and Research Building, includes molecular pathology, flow cytometry, and cytogenetics, enhancing Cooper's ability to provide genomic testing for cancer patients at Cooper.

CMSRU's Medical Education Building is located on the Cooper Health Sciences Campus on South Broadway, between Benson and Washington Streets. The medical school, which opened in July 2012, was designed to support an innovative curriculum that integrates knowledge of basic science concepts, early clinical experience and patient care, self-directed learning, teamwork, and medical and non-medical activities for the greater community's benefit. It was featured in U.S. News and World Report's ranking of the 10 U.S. medical schools with the lowest acceptance rates in fall 2018. It received 6,708 applications and admitted only 203 students, for an acceptance rate of 3%. In 2019, 100% of medical students matched with a residency program.

The Cooper Health Sciences Campus is located in the heart of Camden's business district. The academic medical center campus is easily accessible by car or public transportation via the PATCO and bus terminal adjacent to the hospital. Public transportation options offer convenient access to Philadelphia's cultural, culinary, and historic venues, as well as a range of living and entertainment options in South Jersey, including walkable communities such as Haddonfield and Collingswood.

Cooper is a short walk or drive from the exciting Camden waterfront, which includes a magnificent waterfront park and marina; the Adventure Aquarium; and the BB&T Pavilion, which hosts nationally renowned entertainment throughout the year. Nearby are the 76ers Training Complex, L3 Communications complex, Rutgers University Camden Campus, Rowan University, and Camden County College. There are expected to be \$350M in transportation and infrastructure improvements within the next four to five years to handle the influx of thousands of new employees to the area and students at nearby growing academic campuses.

Cooper is proud to be part of the transformation of our community. Employment in the city of Camden has increased 24.7% in the past few years, with 55.4% of those jobs in the health care and education sectors. And our neighborhoods are safer: the crime rate is at a 50-year low, thanks to an aggressive community policing program.

Cooper University Health Care is growing and changing lives. We invite you to be part of our mission: To serve. To heal. To educate.

Cooper Camden Campus Map



The most up-to-date directions to Cooper University Hospital are available at:
CooperHealth.org/Locations



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Hospital Main Number: **856.342.2000** Graduate Medical Education: **856.342.2922**