



# Community Health Needs Assessment 2022

*Florida Progress Report*



**NEMOURS**  
CHILDREN'S HEALTH.

Well Beyond Medicine

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# About Nemours Children's Health



# About Nemours Children's Health

We are one of the nation's largest multistate pediatric health systems, which includes two free-standing children's hospitals and a network of nearly 75 primary and specialty care practices. We seek to transform the health of children by adopting a holistic health model that utilizes innovative, safe and high-quality care, while also caring for the health of the whole child beyond medicine. We also power KidsHealth.org from Nemours KidsHealth — a pioneer and leader in pediatric health content, trusted by millions worldwide for more than 25 years to help keep families healthy.

From our beautiful location in Orlando's Lake Nona Medical City to specially designed play areas, Nemours Children's Hospital, Florida is like no other hospital in the region. Some of the signature services offered include:

- Cardiac Center offering expert testing, condition management, inpatient critical care and surgery
- Award-winning Center for Cancer and Blood Disorders
- Center for Fetal Care for high-risk babies
- Our interventional radiology services include the only dual-trained pediatric diagnostic and interventional radiologists in North and Central Florida. And our's was the first muscular dystrophy program in Central Florida certified and approved by the Muscular Dystrophy Association (MDA).

Nemours Children's also offers families access to primary, specialty and urgent care throughout much of Florida. Our mission is to provide leadership, institutions and services to restore and improve the health of children through education and programs not readily available, with one high standard of quality and distinction regardless of the recipient's financial status. We are committed to providing patient- and family-centered health care; educating the next generation of health care providers through a variety of education affiliations; offering extensive online and in-person continuing medical education; providing health and wellness information for kids, teens, parents and educators via Nemours KidsHealth; and offering families 24/7 access to virtual consults with our pediatricians using computers and mobile devices.

Our health system has been recognized as a model of, and an advocate for, transforming pediatric health care from a focus on sickness to a focus on wellness, often in collaboration with community and health care partners. Our leaders and associates serve on numerous boards of organizations addressing health and children's issues. A wide range of community organizations receive our support as part of our commitment to support those who support children. We are also focused on bringing our standard of care — and better health— to local communities. We do this not only by providing both primary and specialty care at various locations throughout the region, but by continuously seeking answers to the most vexing problems in children's health.

# Community Health Needs Assessment



# Community Health Needs Assessment

The Affordable Care Act requires a hospital organization to conduct a community health needs assessment (CHNA) every three years and to adopt an implementation strategy to meet the community health needs identified through the CHNA. During 2012-2013, Nemours Children’s Health embarked on our first journey to identify the child and adolescent health needs of the community. Nemours Children’s engaged Professional Research Consultants, Inc. (PRC) to conduct a Child & Adolescent Health Needs Assessment (CHNA) with the goal of gathering data to assist in determining the health status, behaviors and needs of children and adolescents in the service area which has been defined as households with children in Brevard, Orange, Osceola and Seminole counties in Florida. The assessment was comprised of both qualitative and quantitative data. During the last decade, Nemours Children’s Hospital, Florida has conducted four CHNAs (2013, 2016, 2019 and 2022) and worked with PRC to ensure the changing needs of the community are captured in the CHNA. As the result of Nemours Children’s growth, we expanded our catchment focus to add Polk County to the Target Service Area for the 2019 and 2022 assessments. The following areas of opportunity metrics represent the significant health needs of children and adolescents in the community, based on the information gathered through this study in 2022:

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## AREAS OF OPPORTUNITY

- Access To Health Services
- Allergies
- Infant Health
- Injury and Violence
- Neurological Conditions
- Nutrition, Physical Activity and Weight
- Asthma
- Bone, Joint And Muscle Conditions
- Cognitive and Behavioral Conditions
- Mental Health
- Vision, Hearing and Speech Conditions
- Tobacco, Alcohol and Other Drugs
- Potentially Disabling Conditions
- Diabetes
- Oral Health
- Sexual Health

The 2019 Community Health Needs Assessment (CHNA) for Nemours Children’s Hospital, Florida (Nemours Children’s, Florida) identified the following top priorities to address in improving the health of the community’s children:

- **Access to Health Services**
- **Prenatal and infant health**

Our three-year focus will be on these top two priorities identified through the evaluation process. Through direct services, or through partnership with other health care or community leaders in the area, we are committed to addressing the health and well-being needs identified for children across Central Florida. .

# Access to Health Services



# Access to Health Services

## OVERVIEW:

According to the CHNA, 7.4% of children in the total service area (TSA) lack health care insurance coverage, comparable to the national benchmark. However, this percentage increases significantly among children living below 100% of the poverty level (18%). Of those parents with children who have health care coverage, 10.7% report that their child was without coverage at some point in the past year.

In addition to insurance instability, the two greatest barriers to access to health care reported in the study were **inconvenient office hours** and **scheduling a doctor's appointment**. In the TSA, 40.2% reported difficulty or delay in obtaining health care services for their child, less favorable than the national benchmark (28.4%). The barrier of inconvenient office hours is unfavorably high for parents living in Orange County and difficulty getting appointments is unfavorably high for parents living in Polk County.

### Initiative

- Provide coordinated, comprehensive and culturally appropriate care to children and families of Central Florida in a way they can understand.

### Goals

- Expand services to increase access to pediatric care.

### Metrics (2021, 2020 data)

- # of patients seen at Nemours Primary Care locations
  - **2022: 63,050 patients were seen at Nemours Primary Care locations. (60,000; over 39,000)**
- # of patients seen at Nemours Urgent Care locations
  - **2022: 34,500 patients were seen at Nemours Urgent Care locations. (20,900; over 15,000)**
- # of patients seen at Nemours Specialty Care locations
  - **2022: 47,150 patients were seen at Nemours Specialty Care locations. (42,500; 30,000)**
- # of patients enrolled and seen using Nemours Children's Telehealth
  - **2022: 23,115 Specialty Care video visits**
  - **2022: 9,321 Urgent Care video visits (7,000; 11,000),**
  - **2022: 277 Providers**
  - **2022: 109,900 active Nemours app users (60,000; 124,600).**

Nemours Children's, Florida provides and improves pediatric health care at all levels of care, from minor injuries to the most complex conditions, through coordinated patient-centered medical services, biomedical research, education, prevention and advocacy — ensuring that patients experience care that is safer as well as more reliable, responsive, integrated and available. Nemours Children's, Florida has earned The Joint Commission's Gold Seal of Approval for accreditation by demonstrating compliance with their national standards for health care quality and safety in hospitals. As we continue to fulfill our mission and vision in Central Florida, we are proud to bring the highest quality of care to the community we serve by offering many pediatric specialties and subspecialties.

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## NEW MODELS OF CARE AND NEW TECHNOLOGY

In response to the evolving health care landscape, we recognize the need for improving health care quality, as well as increasing access and equality for all children in Central Florida. One method of improving access is through application of innovative models or technologies that better coordinate care and information sharing for all patients.

### Patient-Centered Medical Homes

Our primary care locations are nationally certified as Patient-Centered Medical Homes (PCMHs). The PCMH is a model of primary care that combines patient-centered access, team-based care, population health management, care coordination, and quality improvement to enhance care delivery. This model provides patients with enhanced access to care and the ability to develop and sustain quality relationships with their provider and health care team, as well as opportunities to build relationships with specialists who expand care in the community. The PCMH model also allows Nemours Children's to be proactive in the care of patients and shift the focus from treatment and emergency care to prevention and health promotion.

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## GROWING TO INCREASE ACCESS

### Primary Care

To meet the need for primary and preventive care in the community, we established an ever-growing network of pediatric primary care practices in 20 Central Florida locations. Our highly qualified primary care pediatricians and staff provide general pediatric and preventive health services in a PCMH setting. Services provided include care for routine illnesses and everyday bumps and bruises, vaccinations and wellness checkups. We are helping children — from the tiniest newborns through age 18 — reach their full potential. Sick care is also available on Saturdays, 8 a.m. to noon at designated locations.

### Urgent Care

Of the CHNA respondents who took their child to the Emergency Department in the last year, more than half reported the visit was for something that could have been treated in a physician's office. For this reason, we have expanded our urgent care hours throughout the TSA. Our Urgent Care offers immediate, advanced pediatric care to patients who range from newborn to 18 years of age. Care is provided as early as 10 a.m. on weekdays at one of our three locations, and at noon on the weekends. It is available until 8 p.m. at every location, every day, including holidays. Patients can now reserve their spot in line with an online check-in system, allowing the patient and their family to wait more comfortably at home — or wherever is convenient — until their estimated visit time. Our pediatricians are board-certified in pediatrics, with specialized experience in emergency medicine and urgent care, bringing expertise closer to home for children in Kissimmee, Lake Nona and Waterford Lakes (East Orlando).

### Satellite Operations

To meet access needs of children and families in our community, we operate outpatient pediatric clinics providing specialized pediatric care for families in Central Florida as far west as Lakeland in Polk County along the I-4 corridor and as far south as Vero Beach in Indian River County. We rotate a multitude of specialists throughout our specialty care network, offering appointments in cardiology, pulmonology, GI, urology, endocrinology, orthopedics, general surgery and many others.

### Telehealth

When their regular pediatrician is not available, parents can receive care from a Nemours Children's board-certified pediatrician or advanced practice registered nurse through the Nemours app. Care for minor illnesses and injuries is available daily 6 a.m. to midnight. Parents can use their smartphone, tablet or computer to have a face-to-face video visit whether they're home or on the go. A summary of the visit will be sent to the child's pediatrician, so their medical record is complete. Telehealth is one more way to help children feel better faster and avoid unnecessary visits to the Emergency Department.

### Hospital Partners

To further demonstrate our organizational commitment to provide access to world-class pediatric health care for all children and families in Central Florida, Nemours Children's partners with community hospitals throughout the region and beyond to provide pediatric subspecialty care close to home. We provide a variety of support for these partners, including hospital-based services, subspecialty consults and, in some cases, outpatient clinics.

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## OTHER PROGRAMS

### **Pediatric Critical Care Transport**

We offer 24/7 neonatal and pediatric intensive care transport. Our transport program plays a vital role in getting infants and children to and from our hospital by providing a mobile intensive care unit environment so critical care can begin immediately. Our ground transport includes a fully equipped pediatric intensive care ambulance plus a Nemours Children's-owned, custom-designed mobile intensive care unit (the size of a fire truck) that features space to care for two newborn or pediatric patients at once. Our transport vehicles allow us to be there for children and families throughout the region at moments when they need us the most. In some cases, we may arrange helicopter or fixed-wing aircraft transport.

### **Ronald McDonald House**

Since 2012, Nemours Children's has provided families throughout the region, from across the U.S., and internationally with medical care for children with rare and unique conditions. For families to have access to these relatively rare medical resources, they require a place to stay while their child is receiving care. Ronald McDonald House provides a "home away from home" for families of seriously or chronically ill or injured children receiving treatment at area hospitals, offering nurturing and supportive environments where families can stay together and find comfort.

### **Financial Assistance Plan and Uninsured Discount Program**

Since opening our doors, we have remained committed to providing our patients and families with the care they need and want, when they need and want it. We provide charity care services in Florida so that children needing care can receive it without financial barriers.

### **Inpatient Rehabilitation Unit**

Our Inpatient Rehabilitation Unit is currently a five-bed unit. It's the first pediatric inpatient rehabilitation unit at a free-standing children's hospital in Florida. The unit admits patients from 3 months to age 17. Our unit offers intensive physical, speech and occupational therapy, as well as 24-hour inpatient medical and nursing care.

### **Language/Interpreter Services**

Nemours Children's believes that one of the most important aspects of delivering family-centered care is making sure families are informed, in a way they can understand, about what is happening with their child's health at every step. To help families be the very best advocates for their child's care, we offer a variety of language and interpreter services, including:

- **Video remote interpreting service:** iPad carts stationed throughout the hospital can be used to reach a live interpreter in almost every language via live video stream.
- **Phone interpreter service:** Our phone interpreter service is available in almost every language — 24 hours a day, seven days a week, for both inpatients (staying at the hospital) and outpatients (coming in for an appointment or procedure then going home).
- **American Sign Language (ASL):** We also meet the communication needs of deaf children and families, providing an ASL interpreter when needed.
- **Board-certified medical interpreters:** These interpreters provide in-person support for complex medical conversations.

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## COMMUNITY INITIATIVES

### **Shepherd's Hope**

Nemours Children's partners with Shepherd's Hope — a not-for-profit in Central Florida that operates free medical clinics for low-income families — to provide volunteer providers for back-to-school physicals every summer. During the clinics, the doctors, nurses and other volunteers who donate their time to serve uninsured, low-income families in need of medical care see patients at no cost. Additionally, we conduct free, automated refractive error vision screenings during the annual back-to-school physicals. Through this work, many of our physicians have been inspired and continue to volunteer at the medical clinics regularly.

### **Central Florida School Districts — School Nurse Training**

Our providers offer specialized training classes for school nurses, health aides and clinic assistants throughout the TSA. We believe that school nurses play an integral role in a child's care team and require ongoing training to facilitate care for their students. Nemours Children's providers have conducted training seminars on many topics, including adolescent health, human trafficking, vaping, diabetes, sickle cell, infectious disease, trach care, asthma, allergies, injuries, common cardiac diseases, and rheumatology.



# Prenatal and Infant Health



# Prenatal and Infant Health

## OVERVIEW:

The infant mortality rate in the TSA is 6.5 per 1,000 live births, slightly higher than both the Florida average (6.2) and the national average (5.8); Polk County has the highest rate at 7.9 per 1,000 live births. The leading cause of death between 2008 to 2017 for children under 1 year of age was perinatal conditions (certain conditions occurring in the perinatal period, usually low birth weight, preterm birth and complications of pregnancy, labor and delivery).

### Initiative

- Increase education and awareness of infant health issues among families and health care providers in Central Florida.

### Goals

- Promote **infant health programs and outreach** that provide services, education and support to families and providers.

### Metrics (2021, 2020 data)

- # of patients seen at Nemours Children’s Center for Fetal Care
  - **2022: 1,024 unique patients were seen at Nemours Children’s Center for Fetal Care resulting in 2,636 completed physician visits. (2,670; over 600)**
- # of attendees participating in the Certified Lactation Counselor training course hosted at Nemours Children’s, Florida
  - **2022: The in-person Certified Lactation Counselor training course permanently transitioned online due to the pandemic with attendees now able to participate conveniently through a flexible online 52-hour course to complete over 6 months. (\*canceled due to COVID-19 pandemic 2020-2021)**
- # of page views from the TSA to KidsHealth.org for prenatal and infant health information
  - **2022: Throughout 2022, a total of 726,000 page views were recorded on 688 articles related to infant and prenatal care. Out of this total, 165,000 views were in Spanish, with 561,000 views in English. (over 85,000; 127,785)**

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## EDUCATION AND SUPPORT

### **KidsHealth.org — Pregnancy and Newborn Center**

Nemours KidsHealth provides online resources to help families better understand how to stay healthy and safe during pregnancy and how to prepare for parenthood, as well as childbirth, newborn care and health conditions. The site is available at KidsHealth.org. All content is reviewed regularly for accuracy and balance by Nemours Children’s pediatricians and experts in subject matter. The site is free to use, requires no registration, and is free of advertising.

### **NICU Discharge Education**

We focus on practices that allow children and families to live healthier lives. Our goal is to provide health information and encourage wellness development and safety for all children. Prior to a baby’s discharge from the NICU, our providers educate families on safe sleep practices, car seat safety, shaken baby syndrome, and infant CPR. We teach parents proper CPR technique and provide hands-on training with simulation mannequins. For more training, parents are provided an Infant CPR Kit donated by the American Heart Association (AHA), which contains video instruction and an inflatable mannequin for the family to practice on at home.

### **Period of PURPLE Crying® Program**

The Period of PURPLE Crying® is used to describe the time in a baby’s life when they cry more than at any other time. The PURPLE program is designed to educate parents of new babies on the normal crying curve and the dangers of shaking a baby. Upon discharge from the NICU, parents and caregivers are educated on how to safely care for their baby during periods of extended crying and other highly stressful times through this research-based video education program developed by the National Center on Shaken Baby Syndrome.

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## IMPROVING OUTCOMES AND SAFETY FOR MOTHERS AND INFANTS

### **Center for Fetal Care**

We are dedicated to serving children and their families at every stage of life. Our Center for Fetal Care provides expert maternal-fetal and perinatal care to Central Florida mothers-to-be who are facing high-risk pregnancies or problems with their unborn child. Although Nemours Children’s does not deliver babies, we co-manage care with each mother’s doctors and coordinate services focused on her baby’s health before, during and after birth. Our center is designed with the pregnant patient’s health in mind and provides a dedicated clinic space, prompt scheduling, and referrals to pediatric specialists that are arranged and tracked by the center.

### **Promoting Maternal Breast Milk**

Breast milk is the preferred feeding for all infants and offers benefits not found in any substitute. It provides something called “passive immunity,” protecting the baby from a wide variety of bacterial and viral illnesses. Breastfeeding also can lead to better cognitive development, as well as physical and emotional benefits due to skin-to-skin contact. Because early nutrition is a significant contributor to healthy child development, we provide an International Board-Certified Lactation Consultant and a dedicated neonatal dietician. We also support a donor milk program and serve as a storage location to support milk banks. Nemours Children’s offers telehealth and in-person lactation clinics for mothers after discharge to ensure successful and sustained breastfeeding. To further support breastfeeding and infant health, we host educational opportunities during World Breastfeeding Week to inform and educate our associates and patient families about breastfeeding and lactation support resources within Nemours Children’s, Florida and the community.

### **Neonatal Resuscitation Program**

We provide classroom instruction in the Neonatal Resuscitation Program (NRP). NRP is an educational program based on the American Academy of Pediatrics and American Heart Association (AHA) guidelines for cardiopulmonary resuscitation and emergency cardiovascular care for newborns at time of delivery. NRP introduces concepts and basic skills of neonatal resuscitation. Successful completion of the online written course is required before participants attend the classroom portion of the NRP course.

### **S.T.A.B.L.E. (Sugar, Temperature, Airway, Blood pressure, Lab work, and Emotional support)**

We offer classroom instruction for the modular instructional program known as S.T.A.B.L.E. This neonatal education program for health care providers focuses on the post-resuscitation and pre-transport stabilization care of sick infants.

### **March of Dimes of Central Florida**

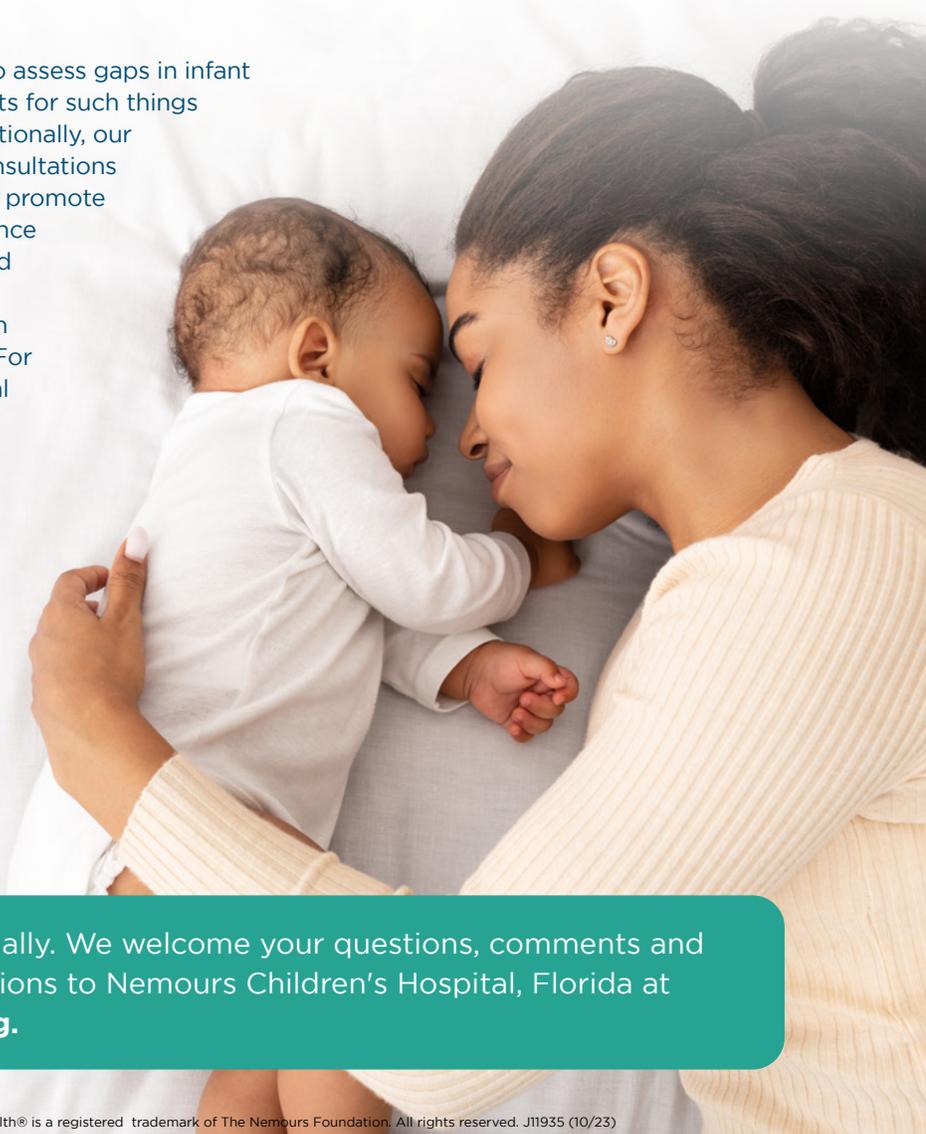
The March of Dimes of Central Florida is a longtime partner of Nemours Children's, Florida, supporting the hospital through generous donations and support. Throughout the years, our associates have become heavily involved in March of Dimes events and fundraisers. The collaborative effort has resulted in significant dollars raised to support research, educational opportunities and support services for parents, caregivers and families. Donations from the March of Dimes also support the education of medical and nursing staff in the latest developments and findings regarding neonatal and perinatal diagnosis, treatments and care plans for high-risk newborns.

### **NICU Cuddler Program**

We understand the importance of bonding and skin-to-skin contact with any newborn, especially those in the NICU. However, we also understand that not all parents are able to stay at the hospital for extended periods of time — some parents need to leave for work or other obligations. Volunteers with Nemours Children's NICU Cuddler Program are specially trained to provide love and affection to babies and families in the NICU. These volunteers are trained on the proper techniques for holding and rocking to soothe and comfort our tiniest patients. The program is especially important to soothe babies with neonatal abstinence syndrome (NAS), who may be experiencing elevated stress and discomfort.

### **Primary Care**

Our primary care has improved data analytics to assess gaps in infant care and improve care by reaching out to parents for such things as scheduling their infants' immunizations. Additionally, our primary care practices have added lactation consultations — including telehealth availability — to increase, promote and support breastfeeding. To improve compliance in blood lead screening, all clinics have increased point-of-care testing. Additionally, primary care practices offer photo screenings to detect vision abnormalities in children starting at 12 months. For parents, primary care has implemented universal postpartum depression screening of all parents in accordance with new guidelines.



Progress reports will be posted annually. We welcome your questions, comments and feedback. Please address your questions to Nemours Children's Hospital, Florida at [CommunityNeedsCFL@nemours.org](mailto:CommunityNeedsCFL@nemours.org).