

Taylor, 14,
runs on courage.

 Corewell Health™
Helen DeVos
Children's Hospital



Nothing less than
exceptional.

2024 Impact Report

Exceptional begins here

today and tomorrow.

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**Includes Academic General Pediatrics, Adolescent Medicine and Center for Child Protection*

***Summary of multiple diagnostic, therapeutic and support areas.*



Compassion

Compassion is the driving force behind our 3,300+ team members to deliver extraordinary and exceptional care to all our patients. Families, both near and far, trust us to deliver results and treatments for their children because of the **clarity** of our mission: improve health, instill humanity and inspire hope. In 2024, our 318,361 patient encounters serve as a testament to that mission.

Clarity

Collaboration

Our mission also fosters opportunities with other trailblazing institutions. **Collaboration** unites Corewell Health Helen DeVos Children's Hospital with local partners, such as Mary Free Bed Rehabilitation Hospital and Pine Rest Christian Mental Health Services. These dynamic and robust partnerships allow us to expand our reach and enhance our impact.

Curiosity

Courage

Our relentless determination to help kids heal fuels our endless **curiosity** through research and education efforts. We are pushing the boundaries of pediatric medicine from pioneering work in gene therapy to unlocking the unknowns within cancer research. We are also training the next generation of clinicians and leaders: 339 medical students, 80 pediatric residents and 28 active fellows are poised to carry on pediatric excellence.

As you learn about our impact, I invite you to consider the defining factor that connects our patients and team members: **courage**.



Robert K. Fitzgerald, M.D.
President, Corewell Health Helen DeVos Children's Hospital

closer to where it all comes together.

Corewell Health cares for more children than any other health system in Michigan. Our clinically integrated pediatric network includes children's hospitals, clinics and services that span the state, making it easier for families to access expert care for their child.



- Corewell Health Helen DeVos Children's Hospital
- Corewell Health Children's

2024 at a glance: Our impact on patients, people and progress.

At Corewell Health Helen DeVos Children's Hospital, we fight for every child. With 13 years of U.S. News & World Report national rankings and innovations that draw patients from all over the world, we're driven to replace fear with hope, and doubt with answers.

Activity overview

| | |
|--|---|
| 318,361 patient encounters | 8,122 inpatient admissions |
| 197,314 scheduled appointments (outpatient) | 9,169 surgeries |
| 36,532 NICU patient days | 9 pediatric inpatient units |
| 55,540 emergency department visits | 68,452 radiology images reviewed |
| 286 transports | 23,218 telehealth visits |

Team overview

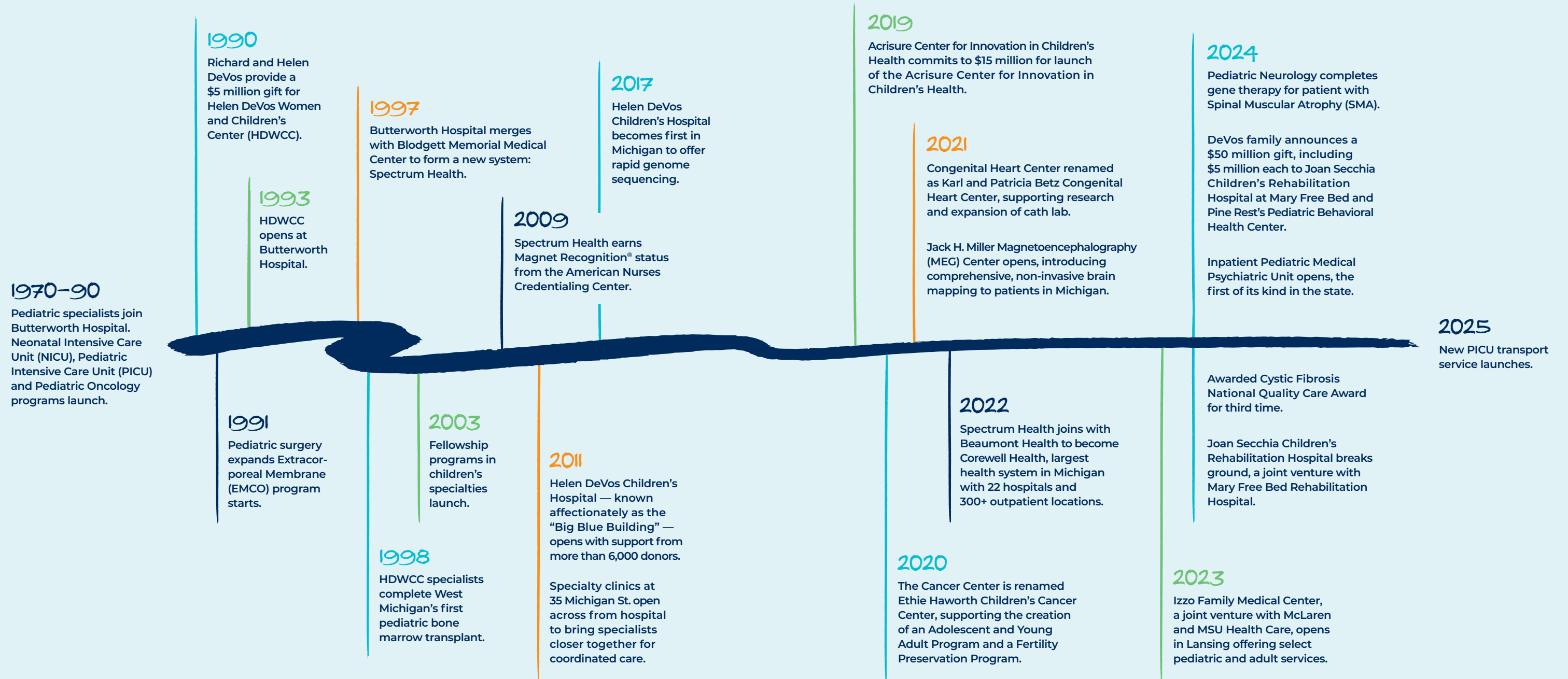
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|---|--|
| 2,472 team members | 860 ancillary services team members |
| 310 physicians | 339 medical students |
| 134 advanced practice providers (APPs) | 80 pediatric residents |
| 930+ inpatient nurses | 28 active fellows |

Pediatric research overview

| | |
|---|---|
| 32 research associates | 1,988 actively enrolled patients |
| >\$22 million across all activity | 116 research studies |
| 55 funded investigators | 82 publications |

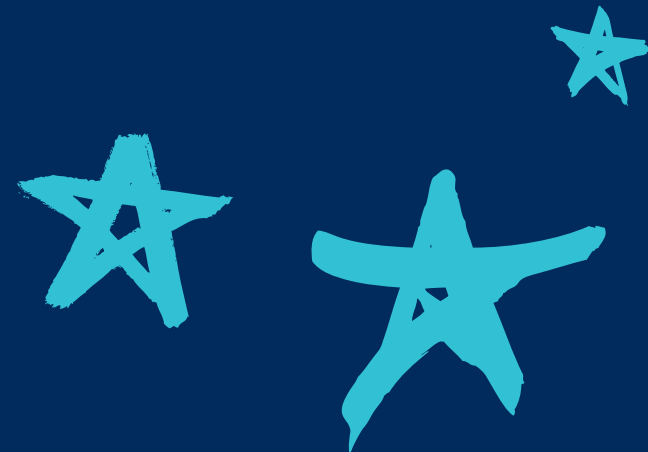
Deep roots. Deeper commitment.

We celebrate the major milestones, the rich history of care and the generous donor support that have allowed us to meet the needs of our community and expand into the future.





More specialties.
More answers.
More hope.



With more than 400 providers and 70+ specialties and services, we bring together clinical experts, cutting-edge technology and innovation to deliver exceptional care in West Michigan and beyond.

- ▶ Academic General Pediatrics
- ▶ Adolescent Medicine
- ▶ Allergy
- ▶ Ancillary Services
- ▶ Anesthesiology
- ▶ Audiology
- ▶ Biochemical Genetics
- ▶ Blood Management Services
- ▶ Bone Marrow Transplant
- ▶ Burn Clinic
- ▶ Cancer Genetics
- ▶ Cardiology
- ▶ Cardiothoracic Surgery
- ▶ Child and Family Life
- ▶ Child Protection
- ▶ Chronic Pain
- ▶ Complex Care
- ▶ Craniofacial Surgery
- ▶ Dentistry
- ▶ Dermatology
- ▶ Dialysis
- ▶ Dietetics
- ▶ Ear, Nose and Throat (Otolaryngology)
- ▶ Emergency Medicine
- ▶ Endocrinology
- ▶ Environmental Services
- ▶ Gastroenterology
- ▶ General Surgery
- ▶ Health Optimization Services
- ▶ Hematology
- ▶ Hospital Medicine
- ▶ Immunology
- ▶ Infectious Disease
- ▶ Injury Prevention
- ▶ Inpatient Medical Psychiatric Unit
- ▶ Intensive Feeding Program
- ▶ Kidney Transplant
- ▶ Laboratory Services
- ▶ Maternal-Fetal Medicine
- ▶ Medical Psychiatric Unit
- ▶ Medical Genetics
- ▶ Multidisciplinary Clinics
- ▶ Neonatology (NICU)
- ▶ Nephrology
- ▶ Neurodevelopmental
- ▶ Neurology
- ▶ Neuropsychology
- ▶ Neurosurgery
- ▶ Neurotology
- ▶ Newborn Hospitalists (Regional Hospitals)
- ▶ Nursing
- ▶ Occupational Therapy
- ▶ Oncology
- ▶ Ophthalmic Surgery
- ▶ Ophthalmology
- ▶ Optometry
- ▶ Orthopedic Oncology
- ▶ Orthopedic Surgery
- ▶ Orthopedics
- ▶ Palliative Care
- ▶ Pediatric Cardiac Intensive Care Unit (PCICU)
- ▶ Pediatric Intensive Care Unit (PICU)
- ▶ Physical Therapy
- ▶ Plastic Surgery
- ▶ Prenatal Genetics
- ▶ Psychiatry
- ▶ Psychology
- ▶ Pulmonology
- ▶ Radiology
- ▶ Research
- ▶ Respiratory Therapy
- ▶ Rheumatology
- ▶ School Program
- ▶ Security Services
- ▶ Sleep Medicine
- ▶ Social Work
- ▶ Specialty Outreach
- ▶ Speech and Language Therapy
- ▶ Transport Services
- ▶ Thoracic Surgery
- ▶ Toxicology
- ▶ Urology
- ▶ Volunteer Services



2024 highlights

Our PICU has been granted a **Silver Level Beacon Award by the American Association of Critical-Care Nurses**, which grants this recognition to hospitals who demonstrate, through a rigorous application and review process, their ability to provide exceptional care.

Our **hospitalists have led multiple quality improvement projects** as part of national collaboratives. Recent examples include BARCK (Better Assessment and Responses to Croup in Kids), REVISE (Reducing Excessive Variability in Infant Sepsis Evaluation), and LIGHT (Learning and Implementing Guidelines for Hyperbilirubinemia Treatment).

The **PICU team published 16 peer-reviewed manuscripts** in 2024 alone, including an article in the Journal of Patient Safety for our medication safety work.

Both our PICU and PCICU consistently **achieved infection rates significantly below the national benchmark** for catheter-associated urinary tract infections (CAUTI) and central line-associated bloodstream infections (CLABSI), demonstrating our commitment to exceptional patient safety and care.

We completed **7,000 + visits to the sedation unit** last year. We are the busiest and largest in the state.

Acute Care

At the heart of our care is a dedicated, multidisciplinary team of intensivists and hospitalist physicians, advanced practice providers, nurses, respiratory therapists, pharmacists, dietitians, occupational therapists and physical therapists. Together, we provide exceptional inpatient care to children ranging from infants to young adults, addressing a broad spectrum of acute and chronic conditions.

Our nationally recognized 24-bed Pediatric Intensive Care Unit (PICU) stands as the leading facility for pediatric critical care in West Michigan, offering the highest level of lifesaving services. Equipped with advanced monitoring systems and specialized support, we are prepared to treat pediatric patients facing severe trauma, shock or other life-threatening conditions, ensuring they receive the intensive, round-the-clock care they need.

In addition, our six-bed Pediatric Cardiac Intensive Care Unit (PCICU) — the only one of its kind in West Michigan — provides unparalleled care to children awaiting or recovering from cardiac surgery or experiencing heart failure. Since its opening in 2019, this unit has been a vital resource to our community.

7,000+
newborn patients

3,000+
pediatric patients

2,113

days without a catheter-associated UTI (5+ years and counting)

20+

intensive care physicians

Board-certified pediatricians specializing in providing comprehensive care to critically ill children.

20+

hospitalist physicians

Board-certified pediatricians specializing in providing comprehensive care to hospitalized children.



2024 highlights

Expanded **our food allergy prevention program in infants** to include early age oral immunotherapy.

Providing single and multi-food **oral immunotherapy with and without omalizumab** for those with food allergies.

Collaborated with the pulmonary team on **biologic therapies** for patients suffering from severe asthma.

Actively contributed and involved in **multiple North American consortiums and registries** relating to primary immunodeficiency.*

Allergy and Immunology

Our allergy and immunology specialists provide care for children with various immune system disorders.

Using best-practice medicine, we provide consultation, diagnosis, evaluation, management and treatment for a wide range of conditions, including food allergies, allergic rhinitis, immunodeficiencies and severe asthma.

Conditions we treat

- ▶ Allergic rhinitis
- ▶ Asthma
- ▶ Atopic skin conditions (including eczema and contact dermatitis)
- ▶ Bee sting allergies
- ▶ Chronic rhinosinusitis
- ▶ Drug allergies
- ▶ Food allergies, including oral immunotherapy
- ▶ Hypereosinophilic disorders
- ▶ Immunodeficiency
- ▶ Urticaria, angioedema and hereditary angioedema

**This includes Primary Immune Deficiency Treatment Consortium (PIDTC), United States Immunodeficiency Network (USIDNET) and Activated PI3K Delta Syndrome prospective registry (APDS-CHOIR). Through these projects and others, there were multiple peer reviewed publications in 2024.*

Behavioral Health

Ranked No. 53 by U.S. News & World Report, our multidisciplinary team of psychiatrists, psychologists, medical physicians, physician assistants, nurse practitioners, psychotherapists and psychometrists provides comprehensive support to address pediatric and adolescent mental health needs in West Michigan.

Through consultation, evaluation, diagnosis and treatment, we connect patients and families to the evidence-based, individualized care they need to meet mental and behavioral health challenges, from developmental disabilities to acute illnesses.

Behavioral Health Clinics

- ▶ Adolescent medicine
- ▶ Autism spectrum disorder/developmental disabilities
- ▶ Cancer after-care
- ▶ Child psychiatry
- ▶ Chronic pain
- ▶ Cystic fibrosis
- ▶ Health optimization
- ▶ Nephrology
- ▶ Psychology and psychotherapy
- ▶ Sleep
- ▶ Youth (serving patients ages 15-25)

1st

pediatric medical psychiatric unit in Michigan

53

patients admitted to the med psych unit in 2024



2024 highlights

We received patient satisfaction scores of 95.7% in our Grand Rapids clinic and 97.6% in our Lansing clinic.

In February 2024, we completed construction and launched a new state-of-the-art cardiac catheterization laboratory. The laboratory suite features the latest Siemens Icano Biplane technology with 3D spin imaging capabilities, EchoPixel abilities for 4D holographic imaging based on virtual and mixed reality, intracardiac echocardiography, Definity® testing, in-office stress testing, and more.

2024 by the numbers

- ▶ 248 cardiac catheterizations
- ▶ 139 cardiac CT scans
- ▶ 582 cardiac MRI studies
- ▶ 101 electrophysiology cases
- ▶ 13,823 echocardiograms
- ▶ 1,200 fetal echocardiograms
- ▶ 12,806 EKG interpretations
- ▶ 483 metabolic and graded exercise tests (GXT)
- ▶ 2,110 pediatric monitors

Cardiology

We work as one cohesive unit to provide seamless pediatric cardiac care of the highest standard — care that leads to longer and healthier lives. Our cardiologists, advanced practice providers, cardiac fellows, psychologists, nurses, sonographers, dietitians, social workers, exercise specialists and medical assistants develop close and compassionate connections to our patients through patient-centered care that places them and their needs at the heart of everything we do.

Corewell Health Helen DeVos Children’s Hospital Karl and Patricia Betz Congenital Heart Center is one of the few in the nation offering lifelong care for patients with heart defects—from before birth through adulthood—all in one location.

Our expert team delivers personalized treatment at every stage, working closely with specialists in maternal-fetal medicine, pediatric rehabilitation, neurology, genetics, pulmonology, radiology and critical care to meet each patient’s unique needs and cardiac challenges. Our comprehensive approach includes advanced imaging, stress testing, continuous monitoring, medication management, catheter-based therapies, implantable devices and surgery.

Dedicated to discovery

In 2024, the Karl and Patricia Betz Congenital Health Center:

- ▶ Participated in 19 ACHD and congenital heart defect-based national studies
- ▶ Published 19 studies
- ▶ 25 principal investigator original studies in progress

9

outpatient and outreach clinics

1 of 3

pediatric cardiac intensive care units (PCICU) in the state of Michigan

1 of 29

cardiac care locations nationwide to be accredited for transthoracic, transesophageal and fetal echocardiography (by the Intersocietal Accreditation Commission)



Our Adult Congenital Heart Center is accredited by the Adult Congenital Heart Association Accreditation and recognized as an ACHD Center of Excellence by Optum.

Cardiothoracic Surgery

Our congenital cardiac surgeons are highly experienced in performing a complete range of congenital heart surgeries from infancy to children and adults. Their success rates are on par with those of other top institutions, ensuring that our patients receive the best possible care.

This program has been in place since 2012, and the improved local access has resulted in a dramatic overall reduction in mortality from congenital heart disease in West Michigan. Our surgeons collaborate closely with expert pediatric and adult cardiologists to meticulously plan and execute high-quality surgeries for individuals with congenital heart disease. This teamwork ensures that each patient receives a comprehensive and personalized treatment plan.

In addition to our surgeons and cardiologists, our team includes a full spectrum of specialists. This includes anesthesiologists who manage pain and sedation during surgery, cardiac intensivists who manage patients immediately after surgery, and neonatologists who care for newborns with heart conditions. Our nurses, technicians and child life staff also play crucial roles in supporting our patients and their families throughout the surgical process. This multidisciplinary approach ensures that every aspect of patient care is addressed, leading to successful outcomes and improved quality of life for our patients.

Open-heart surgery by diagnosis

- ▶ Arterial switch
- ▶ AV canal
- ▶ Bidirectional Glenn
- ▶ Coarctation repair
- ▶ Ebstein’s anomaly
- ▶ Fontan and Fontan avoidance surgery for complex CHD
- ▶ Interrupted aortic arch repair
- ▶ Norwood
- ▶ Tetralogy of Fallot
- ▶ Truncus arteriosus
- ▶ Valve repairs and replacements
- ▶ Ventricular septal defect

233

cardiac surgeries

97.5%

survival rate at surgery

97.2%

survival at one year post-surgery



2024 highlights

In February, we opened our second interventional cardiac catheterization and EP lab, expanding our ability to treat various heart conditions and treat over 370 cases throughout the year.

Leveraged 3D printing and visualization to plan three complex congenital heart surgeries, simulate procedures and design patient-specific devices—offering solutions and hope in cases once considered inoperable.

Successful integration of CT, MRI and 3D transesophageal echo data, giving improved visualization in both a 3D model and an on-screen 3D hologram of a patient’s heart.

National and international collaborations

- ▶ The Society of Thoracic Surgeons
- ▶ Congenital Heart Surgeons Society
- ▶ FORCE registry
- ▶ Research with:
 - Grand Valley State University
 - Van Andel Research Institute
 - Michigan State University
 - Michigan Technological University
 - Corewell Health Frederik Meijer Heart & Vascular Institute
 - Southampton University Hospital, UK

Child and Family Life



2024 highlights

Distributed 3,045 WIZkids STEM packets to pediatric patients through the **Dick and Linda Antonini hospital school program**.

Conducted 3,300+ sessions of **Edward & June Prein Family pediatric music therapy**.

2,866 patients visited the **Blue Glass Studio**, which provides live hospital TV programming (BGTV), as a show co-host, crew or live audience member.

Hosted 1,840 one-on-one and group **Art Therapy** sessions.

Our **new facility dog, Indi**, was trained through Paws With A Cause and works 40 hours weekly to provide comfort and support to our patients.

We became the first children's hospital in Michigan to open a **Pediatric Med Psych Unit**. Our Child and Family Life team played an essential role in the daily schedule of the 12-bed unit in its inaugural year.

Generous donors stepped forward to support our team members, services and programming, which are made possible through generous gifts made through **Corewell Health Foundation West Michigan**.

Our team includes child life specialists, child life assistants, art and music therapists, teachers, the Blue Glass Studio team, and bereavement coordinators. We create individualized care plans and provide therapy through a variety of methods, including therapeutic play, coping, preparation and education.



35,790

total patient encounters

29,519

unique patients supported

800+

encounters with families facing bereavement, trauma, life-altering diagnosis or end-of-life experience

What we do

- ▶ Engage and energize patients through play, music therapy and special events.
- ▶ Explain medical procedures in a language kids can understand.
- ▶ Offer radiology and surgery pre-procedural preparation to familiarize patients with the environment.
- ▶ Collaborate with school and medical teams to support education needs of patients.
- ▶ Help identify positive coping strategies.

Complex Care

Caring for a child with complex health needs can be incredibly challenging for families, requiring continuous medical attention and careful coordination. The Secchia CarePartners Program (SCP) is designed to ease this burden by offering nurse navigation services that help families manage their child's complex care. This includes coordinating appointments, handling scheduling logistics and connecting families with essential resources. Thanks to the ongoing generosity of the Secchia family, this critical program continues to grow and provide support to those who need it most.

In 2025, Helen DeVos Children's Hospital will expand its complex care services by adding more physicians and advanced practice providers. This expanded team will work alongside a child's existing subspecialists to create a more integrated, efficient care model tailored to the needs of our most medically complex pediatric patients. The goals of this initiative are to enhance the quality of care, improve both the patient and family experience, and reduce unnecessary emergency room visits, inpatient admissions and readmissions.

200+

families served

17

subspecialties engaged

3-phase

approach to patient-centered care

Dermatology

Our dermatology team provides the latest treatments for common dermatological conditions, such as eczema and acne, and expert diagnosis and treatment for more complex disorders of the skin. In our clinic and in the hospital, we perform skin surgeries, biopsies and laser treatments, with support from our pediatric sedation team.

Conditions we treat

- ▶ Acne
- ▶ Alopecia
- ▶ Autoimmune skin conditions
- ▶ Drug-induced acute and chronic skin conditions
- ▶ Eczema / atopic dermatitis
- ▶ Hidradenitis suppurativa
- ▶ Hyperhidrosis
- ▶ Infantile hemangiomas
- ▶ Inherited skin disorders
- ▶ Moles and congenital nevi
- ▶ Nail disorders
- ▶ Pediatric melanoma and skin cancer surveillance
- ▶ Pigmented and vascular birthmarks
- ▶ Port wine birthmarks
- ▶ Psoriasis
- ▶ Skin infections
- ▶ Vascular malformations, in conjunction with our vascular anomalies team
- ▶ Vitiligo



2024 highlights

We partnered with Corewell Health's clinical standardization team to **develop guidelines for treating Stevens Johnson Syndrome and Toxic Epidermal Necrolysis**, improving outcomes through efficient diagnosis and adherence to the most up-to-date, evidence-based clinical protocols.

We collaborated with Priority Health and Michigan Medicaid to **improve prior authorization requirements for isotretinoin in treating moderate to severe scarring acne**, benefiting patients and providers throughout the state.

Emergency Medicine

A dedicated team of pediatric physicians, advanced practice providers, residents, fellows, nurses, child life specialists, security officers, radiologists and medical social workers, we provide coordinated and comprehensive emergency services for kids of all ages.

56,000

patients cared for annually

9 minutes

average time, door to room

107 minutes

average length of stay

Only

certified Level I Children's Surgery Center in West Michigan
by the American College of Surgeons
Children's Surgery Verification Quality Improvement Program (ACS CSV)

The only pediatric emergency department in West Michigan, we offer 24/7 pediatric trauma care as well as specialized programs, including our newly created pediatric behavioral health emergency unit, point of care ultrasound, EMS medical control, special pathogen and patient decontamination response teams, pediatric toxicology, and a long-standing injury prevention program.

Dedicated to discovery

- ▶ 10 studies in progress
- ▶ 5 national studies
- ▶ 7 published studies

Endocrinology

Our nationally recognized endocrinology team is dedicated to addressing a wide range of endocrine system concerns, including pediatric diabetes and obesity.

Our team includes board-certified pediatric endocrinologists, registered dietitians, social workers, certified diabetes educators and specialists in pediatric obesity medicine. We are the only center in the state of Michigan offering outpatient education for new-onset diabetes patients not in diabetic ketoacidosis (DKA) at presentation. We are also the largest insulin pump education program in Michigan, serving 978 patients on insulin pumps in 2024.

We are the largest pediatric endocrinology program in Michigan.



7,000+

patients treated per year

5

pediatric endocrinology clinics, located in Grand Rapids, Lansing, Muskegon, St. Joseph and Traverse City

3

active research studies
(including ADAP-T1D, TrialNet and Type 1 Diabetes Exchange)





2024 highlights

Our **IB-STIM program** continues to lead the way in providing lasting pain relief for children with chronic functional abdominal pain.

Our **multidisciplinary aero-digestive clinic** expanded its reach, serving more children than ever. By uniting experts in pediatric pulmonology, gastroenterology, ENT, and speech and language pathology, we offer comprehensive, integrated care both in the clinic and the operating room to tackle complex, multi-faceted conditions.

Gastroenterology

Our talented pediatric gastroenterology team delivers expert care for children with complex gastrointestinal disorders, from functional abdominal pain to Crohn’s disease, ulcerative colitis and gastroesophageal reflux disease.

With a dedicated multidisciplinary team of dietitians, psychologists, social workers, child life specialists and other professionals, we create personalized, family-centered care plans to address the unique needs of each child.

Conditions we treat

- ▶ Abdominal pain
- ▶ Celiac disease
- ▶ Constipation
- ▶ Crohn's disease
- ▶ Diarrhea
- ▶ Functional abdominal pain syndrome (FAPS)
- ▶ Gastroesophageal reflux disease (GERD)
- ▶ Irritable bowel syndrome (IBS)
- ▶ Ulcerative colitis
- ▶ Vomiting

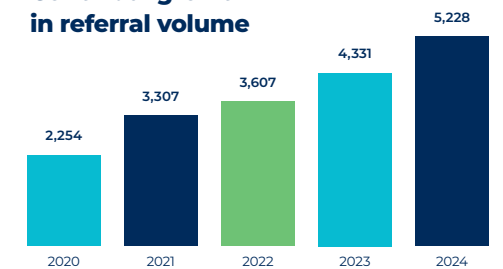


Genetics and Genomics

Our multidisciplinary group of board-certified genetics physicians, counselors and dietitians treats patients with known or suspected genetic conditions, family histories of genetic conditions, and other health care needs involving genetic sciences and genomic medicine.

The largest genetics and genomics program in West Michigan, we see patients of all ages, from newborns to adults, and have sub-specialties in biochemical genetics, cancer genetics and prenatal genetics, with many of our patients enrolled in clinical trials. We review medical histories, perform physical examinations, provide genetic counseling, and facilitate genetic and genomic testing to help identify and diagnose heritable conditions. Through leading-edge research, we help clinicians prevent complications from genetic conditions, deliver customized treatments, and provide effective monitoring and guidance for patients and families.

Continual growth in referral volume



Spotlight:

The International Center for Polyamine Disorders (ICPD)

The ICPD is a joint research program between Michigan State University and Corewell Health, launched in 2020. It includes a polyaminopathy patient biobank, a cutting-edge research lab and a clinical genetics team. The program explores innovative approaches to studying polyaminopathies and developing treatments, with \$4 million allocated over five years to investigate therapeutic strategies through polyamine metabolism modulation.

General Pediatrics

We offer a variety of pediatric health services, with a focus on providing primary and specialty care using a multidisciplinary approach.

Our academic pediatricians and board-certified adolescent and child abuse specialists provide comprehensive care for all children, with special services for patients who are immigrants, refugees, in foster care, LGBTQIA+ and those experiencing homelessness. In addition to primary care services, we provide specialty care for children with eating disorders and those who require evaluation for physical, sexual and/or emotional abuse.

Dedicated to discovery

- ▶ Our academic pediatricians publish and present at a national level on various topics, including food as medicine, medical education, equity and inclusion, social determinants of health, and children with medical complexity.
- ▶ Our faculty are educational leaders in Helen DeVos Children’s Hospital’s pediatric residency program and serve on community boards for agencies devoted to the health and wellness of children, including the Michigan AAP and the NAACP.

14 Michigan counties served

Our subspecialties

Academic General Pediatrics: Serving as a primary care destination and medical resource for patients from birth to age 18.

Adolescent and Young Adult Medicine: Keeping adolescents and young adults healthy, safe, and empowered to make smart life and health choices.

Center for Child Protection: Working to protect the health, safety and welfare of all children.



2024 highlights

Over the past five years, our BMT program has performed 12 autologous stem cell transplants and 11 allogeneic transplants (from related or unrelated donors), **achieving a 100% survival rate at 100 days post-transplant for all patients.**

Our onco-fertility team performed a record number of **fertility preservation procedures** in 2024, including testicular tissue cryopreservation for seven male patients. We continue to be one of only 11 centers in the nation that offer testicular tissue cryopreservation.

Our Adolescent Young Adult (AYA) Life Specialist provided psychosocial support for a record number of patients being treated for cancer, connecting with nearly 130 teens and young adults in one month.

We incorporated **photobiomodulation or “red light” therapy** to prevent and treat the mouth sores caused by chemotherapy, resulting in less need for narcotic pain medication and IV nutrition.

Accreditations

- ▶ Our bone marrow transplant (BMT) program is accredited by the Foundation for the Accreditation of Cellular Therapy.
- ▶ Our coagulation disorders program is a federally recognized Hemophilia Treatment Center that serves hundreds of patients each year with bleeding and clotting disorders.

Hematology/ Oncology and Bone Marrow Transplant

We are a nationally recognized team that delivers leading-edge treatments and personalized care for patients ages 0 to 25 with cancer, blood disorders, coagulation disorders and vascular anomalies. We support these patients’ complex medical journeys with a school liaison program, music and art therapy, child life and adolescent/ young adult (AYA) specialist support, pet therapy, career mentoring, and parent/sibling support.

We also ensure that patients of all ages are offered fertility preservation consultation and services, where appropriate. Our team actively advances the field of pediatric cancer through clinical trials, partnerships, research, and a Pediatric Hematology and Oncology Fellowship program training the next generation of physicians.

Dedicated to discovery

In the past two years, our program has received over \$660,000 in grant funding for ongoing research efforts in lymphoma and bone marrow transplant.

We completed over 100 enrollments on therapeutic or non-therapeutic clinical trials in 2024.

Presently, we offer:

- ▶ 11 open clinical trials through the Haworth Innovative Therapeutics Clinic
- ▶ 15 open clinical trials in our Pediatric Bone Marrow Transplant and Cellular Therapy program
- ▶ 37 open clinical trials through the Children’s Oncology Group



2024 awards

- ▶ Recognized as one of the top 50 cancer programs in the country by U.S. News & World Report for the 13th consecutive year.
- ▶ Recognized by Newsweek as one of the top cancer programs in the nation and the highest-ranked program in the state.
- ▶ Recipient of the National Cancer Institute Community Oncology Program (NCORP)’s Mission Award for outstanding performance in patient enrollments.

Infectious Disease

Our infectious disease team offers expert consultation, diagnosis and treatment for all types of infections, including recurrent infections and those arising from other medical conditions.

We specialize in the care of healthy, medically complex and immune-compromised children, both inpatient and in our clinic. We also provide inpatient consultations to evaluate prenatal and newborn patients, collaborating with Obstetrics and Maternal Fetal Medicine. Our team, consisting of physicians, infection preventionists, antimicrobial stewards and pharmacists, are dedicated to eliminating vaccine-preventable diseases. Education is also a priority, with our fellowship program set to graduate its first fellow in June 2025.

6 publications in 2024

Conditions we treat

- ▶ Chronic infections
- ▶ Complicated pneumonia
- ▶ Congenital and perinatal infections, including congenital CMV and syphilis
- ▶ Endocarditis
- ▶ Hepatitis B and C
- ▶ Histoplasmosis, blastomycosis
- ▶ HIV
- ▶ Immune-compromised hosts
- ▶ Kawasaki disease
- ▶ Lung nodules
- ▶ MRSA
- ▶ Osteomyelitis
- ▶ Pre- and post-adoption consultation
- ▶ Prolonged and recurrent fever
- ▶ Septic arthritis
- ▶ Surgical site infections
- ▶ Travel medicine: information, illness and treatment related to international travel
- ▶ Tuberculosis

Intensive Feeding Program

Programs and services

- ▶ Day treatment program
- ▶ Inpatient program
- ▶ Outpatient feeding therapy

Our multidisciplinary team collaborates with families to improve their children’s eating outcomes using a systematic and evidence-based approach.

Our physicians, psychologists, physical therapists, occupational therapists and feeding technicians work together to help children achieve developmentally appropriate feeding and drinking patterns by addressing behavior, food acceptance, and development of oral-motor and feeding skills. We also educate parents and caregivers on how best to sustain gains made with our assistance and to continue making progress at home. We are grateful to The Gerber Foundation for supporting our work and helping kids from infancy through elementary school age overcome nutritional challenges.

468

patients and families served



the only program in the Midwest providing specialized treatment for children with feeding difficulties through a structured, multidisciplinary approach

Maternal Fetal Medicine and Fetal Care Center

We provide state-of-the-art care for mothers and babies with high-risk and complex diagnoses, before, during and after birth. Our multidisciplinary team offers expert, compassionate care, ensuring more moms deliver healthy babies and more babies grow up free from serious health conditions.

All fetal medicine specialists are licensed and board-certified OB/GYNs with additional fellowship training as perinatologists. Our experts work closely with other subspecialty groups at Helen DeVos Children's Hospital — home to Michigan's largest Level 4 NICU — including neonatology, obstetrics and gynecology, maternal and pediatric anesthesiology, radiology, pediatric medicine and surgery, genetics, social work, and more.

24,335
appointments

16,241
ultrasounds

4,300+

high-risk deliveries at Corewell Health Grand Rapids Hospitals - Butterworth Hospital



2024 highlights

We **partnered with the North American Fetal Therapy Network** to advance best practices and research in fetal intervention.

Community outreach includes Greenville, Muskegon, St. Joseph, Holland and a specialty clinic in Lansing.

Multidisciplinary Clinics

Our multidisciplinary clinics deliver coordinated, medically integrated care for infants, children and teens with a wide range of conditions. Conveniently located in our ambulatory buildings near the hospital, these clinics offer extended appointments in a single setting — allowing patients and families to meet with multiple care team members on the same day. This approach streamlines the experience and supports the creation of truly comprehensive, personalized care plans.

Clinics

- ▶ Aerodigestive Clinic
- ▶ After-Care Transition Clinic (for cancer survivors)
- ▶ Autism Spectrum Disorder Clinic
- ▶ Brain Tumor Clinic
- ▶ Cerebral Palsy Clinic
- ▶ Chronic Pain Clinic
- ▶ Cystic Fibrosis Clinic
- ▶ Developmental Assessment Clinics (Kent, Ottawa and Muskegon)
- ▶ Epilepsy Genetics Clinic
- ▶ Epilepsy Surgery Clinic
- ▶ Headache Clinic
- ▶ Hemophilia Clinic
- ▶ Infant Progress Clinic
- ▶ Neurofibromatosis Clinic
- ▶ Neuromuscular Clinic/Muscular Dystrophy Clinic
- ▶ Neurovascular/Cerebrovascular/Stroke Clinic
- ▶ Oral Cleft Clinic
- ▶ Sickle Cell Anemia Clinic
- ▶ Spina Bifida Clinic
- ▶ Tuberous Sclerosis Clinic

Nephrology

As West Michigan's largest pediatric nephrology and kidney transplant program, we provide nationally ranked care for infants, children and adolescents with kidney and urinary tract disorders. Our expert team — pediatric nephrologists, physician assistants, nurses, dietitians and support specialists — works closely with schools and social services to enhance quality of life for our patients, with 50-75% of our patients ages 6-18 enrolled in school.

Dedicated to discovery

We're actively engaged in ground-breaking research and collaborative studies, including landmark nephrology studies funded by the NIH and other entities:

- ▶ CKiD, CureGN, NAPRTCS, ADVANTAGE, SPIN2

703

inpatient admissions Last two years

1,330

outpatient evaluations Last two years

100+

pediatric kidney transplants since program inception in 2005



2024 highlights

In 2024, U.S. News & World Report placed us among the **Top 50 pediatric nephrology programs** in the nation.

We are the only entity in our referral area that provides **comprehensive hypertension care** for children, including 24-hour ambulatory blood pressure measurements.

Our transplant program is part of the **National Kidney Registry (NKR)**, allowing us to offer more living donor transplant options for difficult-to-transplant pediatric candidates.



2024 highlights

We served nearly **3,000 families** through our general clinic, multidisciplinary programs and outreach clinics.

We held **monthly developmental assessment clinics** in partnership with multiple school districts and health departments in Muskegon, Ottawa and Kent counties to provide follow-up care for high-risk infants admitted to our NICU.

We **expanded our team**, and grew our expertise and capabilities, with the addition of another full-time physician specialist in November 2024.

Neurodevelopmental Pediatrics

Our neurodevelopmental pediatric team of the Gerber Center for Infant Development and Nutrition serves the needs of infants and children up to age 18 with complex neurodevelopmental issues.

These include high-risk graduates of our neonatal intensive care unit (NICU), infants who have undergone complex heart surgeries, and young children with issues related to feeding and developmental delays. Our highly trained and experienced interdisciplinary team — including physicians, nurse practitioners, a dietitian and social worker — works closely with families, specialists in other disciplines, primary care physicians and community-based service organizations to help ensure the best possible health outcomes.

Conditions we treat

- ▶ Autism
- ▶ Cerebral palsy
- ▶ Congenital heart disease complications
- ▶ Failure to thrive
- ▶ Feeding problems
- ▶ Global developmental delays
- ▶ Prematurity and complications of prematurity



2024 highlights

We offered a gene therapy program for **Duchenne muscular dystrophy and spinal muscular atrophy**.

We were the only center in Michigan offering access to a **worldwide Phase III gene therapy trial** for asymptomatic babies diagnosed with spinal muscular atrophy.

We leveraged **leading-edge technologies**, including ROSA Robotics System, MEG and neuromodulation advances, responsive neurostimulator (RNS) devices, Wada testing, and laser ablation.



Certifications and awards

- ▶ Ranked among the top pediatric neurology programs in the nation by U.S. News & World Report
- ▶ Accredited as a Level 4 Epilepsy Center by the National Association of Epilepsy Centers (NAEC)
- ▶ Recognized as a Dravet Syndrome Comprehensive Care Center by the Dravet Syndrome Foundation
- ▶ Our EEG lab is accredited by the American Board of Registration for Electroencephalographic and Evoked Potential Technologists (ABRET) and staffed by a certified neurodiagnostic team with expertise in intra-operative monitoring and advanced EEG techniques

Neurology

Our expert team of pediatric neurologists, neurosurgeons, epilepsy neurologists, stroke neurologists and nurses provides comprehensive, multidisciplinary care for children (from birth through adolescence) with neurological conditions. We diagnose, treat and manage pediatric neurological disorders, including epilepsy, neuromuscular conditions, movement disorders and neurogenetic syndromes. Our expertise includes stereoelectroencephalography (SEEG) and neuromodulation therapies, as well as neuropsychological testing administered by a pediatric neuropsychologist.

We are committed to utilizing the most advanced diagnostics, implementing innovative treatments and providing compassionate, family-centered care. Our reach extends across Michigan and neighboring states, improving access to specialized pediatric neurological care throughout the Midwest.

Dedicated to discovery

We are advancing epilepsy research through innovative clinical trials, collaborative partnerships and studies aimed at improving patient outcomes. In 2024, we:

- ▶ Actively participated in multi-center clinical trials and collaborated with national epilepsy research networks
- ▶ Performed clinical trials on the impact of fenfluramine on seizure frequency in individuals diagnosed with CDKL5 epilepsy
- ▶ Studied the impact of interictal spikes on cognitive outcomes in pediatric epilepsy
- ▶ Investigated SEEG correlations with surgical outcomes
- ▶ Partnered with the Michigan Department of Health and Human Services to improve outcomes by examining the pediatric to adult transition in complex epilepsy

12,531
patient visits

1,150
initial medical evaluations
for newly diagnosed epilepsy

19
multidisciplinary clinics
for neuromuscular and
neurogenetic disorders

14
peer-reviewed publications

Neurosurgery

Our pediatric neurosurgeons are experts in treating complex disorders of the brain, spine and peripheral nerves, along with their coverings and supporting structures. We provide care to children of all ages — from before birth to early adulthood. We also care for adults with congenital disorders of the central nervous system and help young adults with neurological disorders transition from pediatric to adult care.

Our team of fellowship-trained, board-certified and board-eligible pediatric neurosurgeons, advanced practice providers, nurses and medical assistants take pride in helping to advance what is currently one of the most dynamic and challenging of pediatric subspecialties. Through innovative multidisciplinary clinics, cutting-edge research, and ongoing education and training, we are continuously expanding our capabilities and transforming the lives of children and families.

Conditions we treat

- ▶ Brain and spinal cord tumors
- ▶ Chiari malformations
- ▶ Craniosynostosis
- ▶ Drug-resistant epilepsy
- ▶ Hydrocephalus
- ▶ Spina bifida
- ▶ Traumatic brain and spinal injuries
- ▶ Vascular malformations
- ▶ Other congenital or vascular malformations



Spotlight: Functional Neurosurgery

This exciting and technologically expanding area of neurosurgery includes procedures such as deep brain stimulation for dystonia, responsive neurostimulation (RNS) and vagus nerve stimulation (VNS) for complex epilepsies, as well as spinal cord stimulation for chronic pain. These new procedures are yielding dramatic improvements in health outcomes for children with neurologic disorders, many of which were previously thought to be hopeless.



2024 highlights

Our epilepsy surgery program includes a **minimally invasive SEEG mapping** procedure to pinpoint the source of epileptic seizures and develop targeted treatment plans, including surgery.

We actively engage in **internal quality assurance and outcome assessment initiatives to minimize surgical site infections and reduce hospital stay durations**. This includes an ongoing system to monitor compliance with preoperative antibiotic prophylaxis timing for ventricular shunt surgeries.

We received a **\$200,000 research grant to advance studies on deep brain stimulation for autism spectrum disorder**, in collaboration with Michigan State University.

National and international collaboratives

- ▶ American College of Surgeons National Surgery Quality Improvement Program (NSQIP) for Pediatrics
- ▶ American College of Surgeons Trauma Quality Improvement Program
- ▶ American Epilepsy Society
- ▶ Children's Oncology Group
- ▶ Hydrocephalus Clinical Research Network for Quality GXT stress tests



2024 highlights

The Gerber Foundation Neonatal Center celebrated its **50th birthday** in 2024, serving more than 46,000 babies and their families since opening in 1973.

Our unit was **one of only six worldwide** to receive the Vermont Oxford Network (VON) Award for “Excellence in Quality Improvement” recognizing global NICU excellence.

We added **46 Angel Eye cameras** in 2024, which allow parents and families to be virtually present with their infant when they are unable to visit physically.

We’ve adopted a new, **minimally invasive procedure** for premature infants requiring surfactant treatment using a feeding tube under video guidance, reducing the need for intubation, supporting breathing non-invasively, and reducing morbidity.

Our **Small Baby Unit** is one of the few in the country dedicated to caring for infants born at or before 27 weeks. The unit is designed for their complex medical needs, with staff extensively trained in the complex care of these fragile infants.

Neonatology and NICU

The Gerber Foundation Neonatal Center is a Level 4 NICU providing advanced care for newborns with life-threatening conditions, including complex surgeries for congenital or acquired conditions. We care for infants as early as 22-weeks gestation and transport babies from regional locations via Aeromed or our specialized neonatal ambulance. Our expert team of neonatologists, nurse practitioners, nurses, respiratory therapists, pharmacists, nutritionists, social workers and more work together to deliver exceptional care.

46,000

babies delivered since 1973

100

infants per day as an average daily census

5%

readmission rate

10

10 published studies



2024 highlights

Thanks to generous philanthropic support, we’ve acquired **two state-of-the-art critical care transport vehicles** equipped with a transport-specific electronic medical record, advanced physiological monitoring and top-tier medical equipment for critically ill patients.

Looking ahead, we are poised to grow our partnership with LIFE EMS in 2025, with a dedicated **Critical Care Paramedic on each transport.**

Neonatal and Pediatric Transport Services

Our highly trained and specialized clinicians provide the highest standard of care to critically ill or injured pediatric and neonatal patients in need of transport from referral partner hospitals to Helen DeVos Children’s Hospital. We are committed to providing safe and reliable interfacility transport characterized by compassion, leadership, humility, dedication to patient safety and quality improvement, and to educational collaboration with referring hospitals.

286

neonatal transports from 29 different hospitals in 2024

400+

pediatric patients are expected to be transported by our new critical care vehicles in 2025

24/7

availability: 24 hours a day, seven days a week



2024 highlights

We received the **2024 VON Award for Excellence in Quality Improvement** for our initiative “Improving Time To First Skin To Skin (STS) In Very Low Birth Weight Infants.”

Our **Hematology-Oncology and Bone Marrow Transplant team** began offering **groundbreaking red light photo-biomodulation (PBM) therapy** to treat chemo-related mucositis (infection of membranes that line the mouth and GI tracts). This therapy promotes healing, increases patient comfort, and supports improved nutrition and hydration.

Our **Pediatric Cardiac Intensive Care Unit (PICU) celebrated 2,100+ days** without a CAUTI and achieved best-in-class rates for CLABSI and CAUTI infections when compared to 140+ children’s hospitals across the country.

We participated in an ongoing, multi-site research study in the use of **ICU CAMEO III Acuity Tool**. The tool integrates real-time data such as vital signs, lab results and patient assessments to provide an objective measure of patient acuity, informing staffing models to ensure patients who require the most immediate and intensive treatments are prioritized.

Nursing

Our dedicated and diverse team of pediatric nurses is at the heart of providing exceptional care to children and their families. With expertise across a wide range of specialties — including oncology, pediatric ICU, neonatal ICU, cardiology, neurology, surgery, emergency care and more — we are committed to delivering compassionate, high-quality care at every stage of a child’s journey.

Our nurses engage in a variety of vital roles, from direct patient care to championing quality improvement, health education, and advocacy for both patients and families. Whether in inpatient units, procedural areas, radiology, clinics, research or transport programs, we ensure that every child receives developmentally appropriate care in a safe and supportive environment.



930+
inpatient nurses

225+
specialty certified nurses

5
publications in 2024



1%
top 1% of U.S. hospitals achieving 4X Magnet Recognition® from the American Nurses Credentialing Center



Pain and Palliative Care

Our team focuses on improving quality of life and minimizing physical, psychological and emotional suffering for children and families dealing with serious pediatric illness. Not exclusively end-of-life or hospice care, palliative care is appropriate at a variety of ages and stages of illness, and can be provided alongside treatment meant to cure.

For us, the focus is on treating the patient as a whole, rather than treating specific conditions, and to facilitate informed decision-making and assist with ongoing coordination of care. Our fellowship-trained palliative medicine providers, nurse practitioners, nurses and dedicated clinical program specialist integrate medical advice from numerous specialties to help determine the right plan of care and help optimize quality of life for our patients. Our Chronic Pain Clinic includes medical providers, psychologists, physical therapists and a social worker to address the unique needs of children and teens with chronic pain conditions.

200
new referrals received

120
new patients evaluated in our Chronic Pain Clinic

260+
patients and families actively followed



2024 highlights

We hosted an **annual End-of-Life Nursing Education Consortium (ELNEC) course** training nurses in advanced communication and symptom management skills.

We **expanded our team**, and grew our expertise and capabilities, with the addition of another full-time palliative care specialist in August.

We **trained our 10th Pediatric Hospice and Palliative Medicine Fellow**. This ACGME-accredited program helps new clinicians build expertise in the prevention, assessment and management of physical symptoms, as well as gain experience in caring for the psychological and spiritual needs of patients and families navigating serious illness.

Conditions we treat

- ▶ Cancer
- ▶ Congenital heart disease
- ▶ Genetic disorders
- ▶ Heart conditions
- ▶ Lung conditions
- ▶ Metabolic disorders
- ▶ Neurological disorders
- ▶ Premature birth
- ▶ Respiratory disease

Pulmonology

Our nationally recognized pediatric pulmonology team specializes in diagnosing and treating infants, children, and adolescents with breathing disorders and sleep-related issues.

We provide comprehensive care for children facing more complex conditions, such as asthma, cystic fibrosis, premature lung disease, obstructive sleep apnea and interstitial lung disease. Additionally, our multidisciplinary team includes pediatric pulmonary dietitians, respiratory therapists, psychologists and medical social workers, all dedicated to supporting the unique and evolving needs of children with chronic lung conditions.



Dedicated to discovery

- ▶ Over \$750,000 in cystic fibrosis grants received in 2023-24, funded by the Cystic Fibrosis Foundation, MSU, Corewell Health and Hunt for a Cure.



2024 highlights

Our pediatric cystic fibrosis care center achieved a remarkable feat: **three consecutive 2024 Quality Care Awards from the Cystic Fibrosis Foundation (CFF)** following three consecutive site visits.

We were designated as a **Therapeutic Development Network Center** by the Cystic Fibrosis Foundation for bringing cutting-edge research and innovative therapies to the local cystic fibrosis community.

We established a pioneering **multidisciplinary clinic for premature babies** in partnership with the pediatric cardiology team.

Specialty Outreach

Helen DeVos Children's Hospital brings expert pediatric specialty care closer to home with 19 outreach locations. Our outpatient clinics are designed for seamless coordination with our expert pediatric specialists, ensuring that every patient receives comprehensive, personalized care — delivered with the same level of excellence found at our main hospital.



Spotlight:

Corewell Heath Helen DeVos Children's Hospital Pediatric Specialty Center – Lansing

Our specialty outreach center in Lansing offers pediatric and adult services. Pediatric core services include behavioral health, cardiology, orthopedics, pulmonology and a variety of other visiting subspecialties. Adult services include maternal fetal medicine and congenital heart.

2024 highlights

Achieved a **56% increase in cardiovascular surgical referrals**, now offering stress testing exams as part of our pediatric cardiology services.

Introduced **C-arm x-ray capabilities**, providing real-time, high-quality images to enhance orthopedic fracture care.

Expanded **pediatric behavioral health services**, including therapy, counseling and psychological testing, to address mental health concerns, including anxiety, depression, substance use disorders and other diagnoses.

Expanded **Maternal Fetal Medicine** services with the addition of ultrasounds, non-stress tests (NST) and amniocentesis services.



Notable presentation

“Exploring depressive symptoms as a mediator of change in fatigue in individuals with childhood-onset lupus.”

Presented at the Childhood Arthritis and Rheumatology Research Alliance Annual Conference, April 2024

Rheumatology

Our pediatric rheumatology team is composed of highly experienced and recognized leaders in the field who contribute to national and international committees and present at professional conferences. Focusing on auto-immune diseases that involve the joints, muscles and connective tissues, we provide highly specialized diagnosis and treatment for infants, children and teens.

We offer long-term treatment plans for chronic conditions such as juvenile arthritis, lupus, dermatomyositis, undifferentiated connective tissue disease (UCTD) and more. In creating customized care plans, we routinely coordinate with other pediatric specialties and subspecialties within and beyond Helen DeVos Children's Hospital, including immunology, nephrology, orthopedics, palliative care, radiology and rehabilitation.

Spotlight:

Corewell Heath Helen DeVos Children's Hospital Pediatric Specialty Center – Traverse City

Our specialty outreach center in Traverse City offers pediatric specialty services across 10 subspecialties and serves patients ages 0 to 18 in Northern Michigan and the Upper Peninsula. Our team is composed of a full-time pediatric orthopedic team and nine visiting pediatric subspecialties, including endocrinology, gastroenterology, nephrology, neurology, plastic surgery, pulmonology and rheumatology.

2024 highlights

Achieved **4,033 total patient visits** in our newly relocated, standalone facility. Strategically located, our new clinic offers convenient access and a calming environment for patients, with room for future expansion.

Conducted **gait analysis research** on prosthetic running feet, comparing performance with and without heels.

Introduced **C-arm X-ray capabilities**, delivering real-time, high-quality imaging to enhance orthopedic fracture care.



2024 highlights

Our pediatric urology surgery team **completed 35 da Vinci® robotic surgical system-assisted pyeloplasty procedures**. Our general surgery team also began da Vinci® robotic surgical system-assisted procedures, completing **18 robotic-assisted appendectomies and 25 robotic-assisted cholecystectomies**.

We lowered the number of hospital-acquired pressure injuries (HAPIs) in 2024 to its lowest level in our history — thanks to surgical nurse-created education for operating room staff and updated positioning equipment. This represents a **HAPI rate of less than .001% compared to a national average of 6% to 8%**.



Certifications

- ▶ Level 1 Children's Surgery Center

Recertified by the American College of Surgeons (ACS), April 2024

- ▶ Level 1 Children's Trauma Center

Recertified by ACS, January 2025

Surgical Services

At the forefront of life-changing care, our expert pediatric surgeons perform the full spectrum of surgical procedures — from routine to the most complex — with precision, compassion and innovation.

As leaders of our nationally recognized Level I Pediatric Trauma Center, our surgeons are often the difference between tragedy and triumph. With a relentless commitment to advancing surgical care, our team continues to expand the use of cutting-edge, minimally invasive techniques — including thoracoscopy, laparoscopy and robotic-assisted surgery — alongside life-sustaining therapies such as extracorporeal membrane oxygenation (ECMO), bringing hope and healing to young patients and their families.

Pediatric surgical subspecialties

- ▶ Burn
- ▶ Congenital heart surgery
- ▶ Dental surgery
- ▶ General surgery
- ▶ Neurosurgery
- ▶ Ophthalmology
- ▶ Orthopedic surgery
- ▶ Otolaryngology
- ▶ Plastic surgery
- ▶ Trauma
- ▶ Urology

25

pre- / post-operative rooms

8

operating rooms

12

post-anesthesia care unit (PACU) rooms

2

cardiac catheterization / electrophysiology (EP) labs

1

fully integrated intraoperative magnetic resonance imaging (iMRI) suite

Spotlight: Surgical Specialties

Craniofacial and Plastic Surgery

Our pediatric plastic surgery team specializes in treating anomalies and injuries affecting the face, head, upper extremities and peripheral nerves in infants, children, teens and young adults. Using innovative approaches and the latest technology, we evaluate and treat a wide variety of conditions.

Conditions we treat

- ▶ Brachial plexus and upper extremity nerve injuries
- ▶ Breast anomalies in males and females
- ▶ Cleft lip and palate
- ▶ Craniosynostosis and facial bone disorders
- ▶ Facial movement disorders
- ▶ Hand anomalies and injuries
- ▶ Pigmented skin lesions
- ▶ Vascular anomalies

2024 highlights

Our **Craniosynostosis Clinic** is the only location in Michigan using dynamic techniques — springs and distraction — to treat craniosynostosis.

Our **Oral Cleft Clinic** is one of the few practices in West Michigan that treats anomalies of dental occlusion with patient-specific surgery and custom computer-guided techniques.

Ophthalmic Surgery

As a regional referral center, our pediatric ophthalmology team serves patients across counties and states — from basic vision screenings to complex pediatric medical and surgical care. We provide inpatient consultations, telemedicine visits and care at our multidisciplinary clinics.

Conditions we treat

- ▶ Congenital malformations and genetic eye disease
- ▶ Congenital and acquired pediatric cataracts
- ▶ Eyelid and orbital abnormalities
- ▶ Infectious and inflammatory eye disease
- ▶ Nasolacrimal duct obstruction
- ▶ Ocular trauma
- ▶ Pediatric glaucoma
- ▶ Pediatric and adult strabismus
- ▶ Retinopathy of prematurity
- ▶ Vision assessment and treatment

2024 highlights

We were recognized as “**Site of the Year**” by the nationwide, NIH-funded Pediatric Eye Disease Investigator Group.

We developed and participated in a **multi-disciplinary craniosynostosis clinic**.

We engaged in **research funded by The Gerber Foundation** involving glycemic control and impact on retinopathy of prematurity.

Orthopedic Surgery

Our cohesive team of orthopedic surgeons and advanced practice providers share a passion for treating infants, children and teens for a wide range of developmental, congenital, neuromuscular and post-traumatic orthopedic conditions and injuries.

Conditions we treat

- ▶ Acquired and congenital deformities
- ▶ Cerebral palsy (orthopedic manifestations)
- ▶ Fractures
- ▶ Neuromuscular disease (orthopedic manifestations)
- ▶ Orthopedic trauma
- ▶ Scoliosis
- ▶ Sports injuries

2024 highlights

We received the **Corewell Health Quality, Safety and Experience Award** for outstanding outcomes and low infection rates in spinal fusion surgeries.

We continued to treat very **complex spine deformities**, with eight inpatient traction patients treated over the course of the year.

We added a **3-D C-arm** to optimize screw position in scoliosis surgery and increased the use of computer navigation in orthopedic surgery.



2024 highlights

Expanded our **clinical nutrition team**, adding full-time registered dietitians to support pediatric patients in endocrinology, hematology, oncology and bone marrow transplant.

Opened a **NICU nutrition room** for breastfeeding mothers, increasing overall breastmilk feeding patient days by 7% vs. previous year.

Our **speech and language therapy** team was awarded the Team of the Year Award by the 2024 Corewell Health medical residents.

Occupational therapy is now embedded in the Outpatient Burn Clinic to assist with any follow-up therapy needed by those who have sustained burn injuries.

Sedation services recorded 7,153 visits, and we are focused on improving access to dental care for special-needs families while reducing the number of needle interventions per patient.

Ancillary Services

We seamlessly integrate a range of vital support services with our expert medical care, ensuring comprehensive treatment and recovery for our pediatric patients.

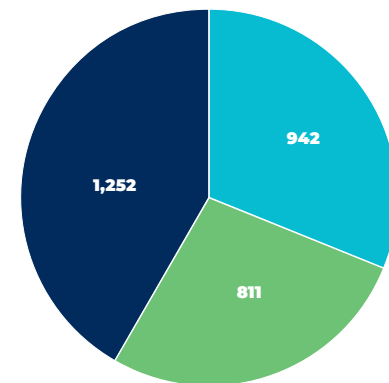
These ancillary services play a crucial role in reducing stress, enhancing the hospital experience and significantly improving overall quality of life. By addressing each patient's unique medical and developmental needs, these services are integral to delivering truly personalized care.

Our team

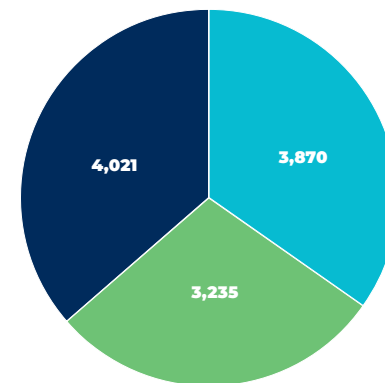
- ▶ Child life, adolescent and young adult specialists
- ▶ Clinical nurse specialists
- ▶ Financial counselors
- ▶ Injury prevention specialists
- ▶ Occupational therapists
- ▶ Onsite clinical pharmacy specialists
- ▶ Physical therapists
- ▶ Registered dietitians
- ▶ Respiratory therapists
- ▶ Sedation specialists, including anesthesiologists, pediatric intensivists, nurses and nursing technicians
- ▶ Speech-language pathologists

Total children receiving therapy services

Outpatient visits: 3,005



Inpatient visits: 11,126



- Physical Therapy (PT) Services
- Occupational Therapy (OT) Services
- Speech and Language Therapy (SLP) Services



Education

We are dedicated to ensuring that the next generation of pediatric specialists has the education and training needed to succeed in their chosen field. Helen DeVos Children's Hospital matches residents and fellows into different specialty programs where they are provided a diverse patient portfolio. Our programs are accredited by the Accreditation Council for Graduate Medical Education (ACGME).

We are affiliated with Michigan State University College of Human Medicine, which provides medical student teaching and mentorship opportunities. We offer a comprehensive Pediatrics Residency Program with eight distinct fellowship programs. The program provides a balanced mix of primary care experiences and exposure to various pediatric subspecialties. For our residents, we emphasize advocacy, future-minded primary care education and individualized scholarly pursuits. Our fellowship programs offer advanced training in pediatric subspecialties, including cardiology, critical care medicine, emergency medicine, hematology and oncology, hospice and palliative care, hospital medicine, infectious diseases, and pulmonology. Each fellowship is designed to develop future leaders in both clinical and academic pediatric medicine.



2024 highlights

A new care center located at 275 Michigan Street in Grand Rapids is expanding learning opportunities for residents and fellows. With cutting-edge facilities, this center serves as **a dynamic hub for future-focused clinical education and training.**

The Doug Meijer Innovative Building serves as a multidisciplinary training facility. Hands-on learning experiences through high-fidelity infant and child simulation labs and task trainers provide residents and fellows with experience in the simulated delivery of real-world clinical services.

339

medical students

80

pediatric residents

28

pediatric fellows

7

studies published*

*23-24 academic year

Partnerships



We engage in partnerships with local health systems and institutions to deliver the best health outcomes for our communities. By sharing resources, talent and expertise, we help realize our mission to improve health, instill humanity and inspire hope.

Our partnerships include dynamic and robust collaborations dedicated to advancing a diverse set of health care priorities, which include behavioral health, inpatient pediatric rehabilitation, physician education and more. Establishing relationships and building trust with our partners has yielded impressive results and positions us to continue to pursue excellence into the future.

2024 highlights

Joan Secchia Children's Rehabilitation Hospital

An operating venture between Helen DeVos Children's Hospital and Mary Free Bed Rehabilitation Hospital.

This facility, scheduled to open in 2026, will be the first dedicated pediatric rehabilitation hospital in Michigan, and will encompass:

- ▶ 67,000 square feet.
- ▶ 24 private inpatient rooms.
- ▶ A team of hospitalists from Helen DeVos Children's Hospital to provide daily multidisciplinary rounding and medical management.

Pediatric Residency Program at Michigan State University College of Human Medicine

A dynamic partnership spanning clinical education and staffing, medical research and community outreach. Highlights include:

- ▶ 3 pediatric residency programs.
- ▶ 8 pediatric fellowship programs.
- ▶ A state-of-the-art clinical education simulation center and ambulatory tower located in downtown Grand Rapids.

Pediatric Behavioral Health Center:

This collaboration between Helen DeVos Children's Hospital and Pine Rest Christian Mental Health Services is set to be built on Pine Rest's 220-acre campus in Grand Rapids. The facility will expand the number of pediatric psychiatric inpatient beds from 36 to 66, create a pediatric psychiatric urgent care center, expand pediatric outpatient services including tele-psychiatry and substance use disorder programming, and provide an evidence-based psychological assessment center for attention-deficit hyperactivity disorders, autism spectrum disorders, learning disabilities and neuropsychological testing.

Pictured above: the Joan Secchia Children's Rehabilitation Hospital rendering.

Philanthropy

Helen DeVos Children’s Hospital Foundation has been a steadfast partner to our children’s hospital since the beginning, providing vital philanthropic support — including the Big Blue Building itself — to transform lives and make West Michigan a premier destination for children’s health.

Improve health, instill humanity and inspire hope.

Funds generously given to Helen DeVos Children’s Hospital Foundation transform children’s lives.

Scan QR code to give a gift.



For more information on giving, please call or email:

616.391.2000
 foundation@corewellhealth.org

\$83.4M
 endowment

\$300M+
 raised since 1993

\$12.6M
 distributed in 2024

2024 highlights

A \$40 million gift from the DeVos Family Foundation furthered the DeVos family’s long-standing commitment to the health and well-being of children, supporting initiatives and programs such as:

- ▶ A **comprehensive care program and pediatric intensive care unit**, providing complex care to young children.
- ▶ An **inpatient medical psychiatric unit**, where a dedicated team provides care tailored to the complex needs of each individual patient.
- ▶ A **child and family life endowment to support more than 50 professionals** — including certified child life specialists and assistants, music and art therapists, and teachers — to ensure that children and families receive exceptional support while in the hospital.

The **25th Annual Radiothon, presented by Wendy’s**, raised a record-breaking \$682,638, with support from 17 corporate sponsors and 1,600 donors.

The **Helen DeVos Children’s Hospital Endowment** grew to \$83.4 million, composed of 78 individual funds.

The Vigil/Lopez family made a meaningful investment to support our **work on rare diseases** — including **Bachmann-Bupp Syndrome** — through the recruitment of talented researchers.

A multimillion-dollar gift was made to advance **cancer care in West Michigan** through the establishment of bone marrow transplant endowments — adult and children — and a generous cancer research fund.

Research

We are shaping the future of pediatric care with over 183 active studies and clinical trials, and translating research into better health care for children. We provide advanced research treatments to children in Michigan and the Midwest, bringing lifesaving care closer to home, while pioneering genomics research and offering life-changing treatments to patients around the world.

Dedicated to discovery

Research discoveries in 27 specialties and sub-specialties, including:

- ▶ Allergy and Immunology
- ▶ Behavioral Health
- ▶ Congenital Heart
- ▶ Cystic Fibrosis
- ▶ Endocrinology
- ▶ Genetics and Genomics
- ▶ Nephrology
- ▶ Neurology
- ▶ Hematology/Oncology/ Bone Marrow Transplant
- ▶ Ophthalmology
- ▶ PICU / NICU



\$29.1M
 in funding across all activity

82+
 publications and 4 meeting abstracts

23
 research associates

55
 funded investigators

1,988
 enrolled patients



How to make a referral:



HDVCH Direct

877.391.2345

