



The largest high-risk neonatal care program in the upper Midwest.

## NEONATAL PROGRAM OVERVIEW

Children's Minnesota neonatology program encompasses the largest high-risk neonatal care program in the Upper Midwest. Our fetal intervention and ECMO programs are also nationally recognized for exceptional clinical outcomes. We are committed to consistent care across the community; limiting unnecessary variation; identifying and spreading best practice; and rapidly addressing opportunities for improvement.

### Some additional information on our program:

- **1,900+ newborns** cared for annually by Children's neonatal program.
- **500+ neonatal care experts** including neonatologists, neonatal nurse practitioners, nurses, respiratory therapists, physical therapists, occupational therapists, pharmacists, social workers and music therapists.
- **500+ babies transported** annually by the Neonatal Transport Team. Babies are transported by helicopters, fixed-wing aircraft, and specialized critical care ground transportation with in-route capability for full ventilatory and hemodynamic support, body cooling and ECMO.
- **Three Mother Baby Centers** that combine Allina Health's fetal and maternal services with Children's neonatal and pediatric specialty care.
- **24/7 NICU coverage** by neonatologists and neonatal nurse practitioners.
- **24/7 Neonatal Virtual Care for regional community hospitals**, a technology that allows critical audio/video consultations during stabilization of newborns.

## NEONATAL INTENSIVE CARE SETTINGS

Minneapolis	Level IV Neonatal Intensive Care Unit (NICU)	44 beds
	Level II Special Care Nursery (SCN)	33 beds
	Infant Care Center (ICC)	41 beds
St. Paul	Level III NICU	50 beds
	Level II SCN	12 beds
Coon Rapids	Level II SCN (Mercy Hospital)	16 beds

### Diagnostic, medical and surgical services provided:

- Cardiovascular evaluation and treatment
- Cardiac surgery for complex cardiac anomalies and ECMO (Mpls only)
- Developmental assessment and therapy
- Diagnostic testing
  - Apnea testing
  - At-home apnea monitoring
  - Hearing screenings
  - Infant pulmonary function testing
  - Ophthalmologic and retinal services, including retinopathy screening
- Extra Corporeal Membrane Oxygenation (ECMO)
- Fetal services
- Dedicated pediatric surgical specialties
- High-risk delivery support
- Infant massage and music therapy
- Mild systemic hypothermia (MSH) for infants with hypoxic-ischemic encephalopathy (HIE)
- Consultative support for high-risk perinatal patients
- Neonatal follow-up clinic
- Neurologic monitoring and care
- Neuro-intensive care program
- Nutritional consultation and care
- Pediatric anesthesia
- Respiratory support
  - Inhaled nitric oxide therapy
  - Noninvasive, conventional and high-frequency ventilation
- Specialized care and follow up of newborns with neonatal abstinence syndrome



**Thomas George, MD**, is the system medical director of neonatology and medical director of the Minneapolis Level IV NICU at Children's Minnesota. Dr. George joined Children's in October 2018. Previously, Dr. George held the position of director of clinical services for the division of neonatology at the University of Minnesota, medical director of the University of Minnesota Masonic Children's Hospital, Fairview Southdale and Ridges Hospitals, and associate director of the Pediatric Residency Program. He earned his MD at Indiana University and completed his pediatric residency and neonatal-perinatal fellowship at the University of Iowa Children's Hospital. Dr. George has been in practice for more than 20 years and has extensive experience in caring for patients with cardiac and congenital anomalies. His clinical research interests have included the role of inhaled nitric oxide in premature infants; he also has interests in educational research, faculty development and determining trainee competency.



**Mark Bergeron, MD, MPH**, is the medical director of Special Care Nursery (at Children's Minneapolis and Mercy), director of telehealth and outreach and associate director of Children's Minneapolis Level IV NICU. Dr. Bergeron attended medical school at Creighton University in Omaha, Neb. He completed his pediatrics residency at Doernbecher Children's Hospital at The Oregon Health & Science University in Portland, followed by a neonatal-perinatal medicine fellowship at the University of Minnesota. He holds a master's degree in Public Health (Maternal and Child Health) from the University of Minnesota. Dr. Bergeron has been in practice for more than 15 years. His interests are public health policy and advocacy for newborn infants and hospital-based quality improvement initiatives to drive excellent outcomes for preterm infants. Dr. Bergeron enjoys participating in the professional development of neonatal-perinatal medicine fellows, pediatrics and family medicine residents, neonatal nurse practitioner students and medical students. He is an assistant professor of Pediatrics at the University of Minnesota Medical School and is also an adjunct assistant professor at the University of Minnesota School of Public Health. In his free time, he enjoys outdoor sports and activities with his wife and four daughters.



**Jill Marie Therien, MD**, is the St. Paul site medical director for neonatology at Children's Minnesota. Dr. Therien attended medical school at the University of Minnesota Medical School and also completed her residency and fellowship at the University of Minnesota Medical Center. She has been in practice for more than 15 years. Her clinical interests are in quality improvement and clinical research, particularly in extremely low birthweight infants during the first month of life. Dr. Therien is also an assistant professor of pediatrics at the University of Minnesota and is a member of the American Academy of Pediatrics and Section on Neonatal-Perinatal Medicine. Outside of medicine, Dr. Therien spends her time playing tennis, enjoying the outdoors, traveling, spending time with her family, and wishing she were spending more time traveling with her family.



**Andrea Lampland, MD**, is the medical director of all level II nurseries covered by Children's Minnesota and the lead physician serving the Midwest Fetal Care Center. After attending medical school at the University of Minnesota, she completed her pediatric residency training at Lurie Children's Hospital and the University of Minnesota. She completed a neonatal-perinatal fellowship at the University of Minnesota. She is an assistant professor of pediatrics within the University of Minnesota, division of neonatology. Dr. Lampland has been in practice for more than 15 years. Her areas of interest include clinical and laboratory research of neonatal respiratory support strategies, the care of extremely preterm infants, neonatal transport and medical education. Dr. Lampland has an extensive research background publishing in multiple peer-reviewed journals and continues to direct the research laboratory and neonatal research department. During her free time, she keeps busy by spending time with her husband and three sons, gardening and tending a small flock of chickens.



**Thomas Pokora, MD**, is the medical director of the Infant Care Center at Children's Minnesota. Dr. Pokora received his Bachelor of Science from Michigan Technological University and his Doctor of Medicine from the University of Wisconsin. He completed his residency at the University of Minnesota Medical School and then completed a neonatal-perinatal fellowship at the University of Minnesota Medical School. Dr. Pokora's clinical interests include neonatal abstinence syndrome, multiples and education.

## Clinical resources

- Speaker's Bureau presentations
- Skill presentations and simulation training
- Neonatal case review presentations
- NRP and STABLE program
- Policy and guideline sharing
- Patient care consultation
- Nursery assessments

## CHILDREN'S PHYSICIAN ACCESS

24/7 assistance: referrals, consultations, admissions, transport

**866-755-2121** + ASK FOR THE NEONATOLOGIST