The focus of child health training and education within the Washington University Medical Center is the St. Louis Children's Hospital (SLCH). This 390-bed Pediatric hospital is also the pediatric center of the 3,468 staffed bed BJC HealthCare System. The Children's Hospital was founded in 1879.

St. Louis Children’s Hospital-Washington University in Saint Louis, MO is ranked nationally in 10 pediatric specialties. St. Louis Children's Hospital-Washington University is a 390-bed children's general facility, which includes 41-bed pediatric intensive care unit, 38-bed heart center, a 125-bed newborn intensive care unit and a 16-bed pediatric bone marrow transplant unit. Each year the hospital receives about 275,000 patient visits and the school of medicine receives about 150,000 patient visits. St. Louis Children’s Hospital-Washington University is a teaching hospital. St. Louis Children's Hospital is recognized in the top 7% nationally by U.S.News & World Report, which in 2017 ranked the hospital in all 10 specialties surveyed. In 2015 St. Louis Children's Hospital was re-designated as a Magnet® hospital by the American Nurses Credentialing Center's (ANCC) Magnet Recognition Program, which recognizes excellence in nursing. Only 3 percent of hospitals nationally have achieved Magnet re-designation. Physicians at SLCH are faculty at Washington University School of Medicine (WUSM), ranked as one of the top medical schools in the nation by U.S.News & World Report.

The Department of Pediatrics is recognized by the NIH as a Child Health Research Center of Excellence in Developmental Biology. WUSM/SLCH is one of only a handful of centers nationwide with this status.