

Telemedicine

By Amy Bentley



Dr. Jason M. Knight
CHOC Pediatric Transport
and Telemedicine expert

Dr. Knight is the Medical Director of the CHOC Emergency Transport Services Program and an Assistant Clinical Professor at UC Irvine. He completed his residency training, including a year as chief resident, at Harbor-UCLA Medical Center. He completed a three-year fellowship program in pediatric critical care medicine at Harbor-UCLA Medical Center and CHOC Children's. Under Dr. Knight's leadership, the CHOC Transport team has become one of the busiest pediatric transport teams in the nation, able to pick up patients from 130 different hospitals throughout California. The transport team also arranges long distance and out-of-state transports via both rotor and fixed-wing aircraft.

Dr. Knight's philosophy of care: "I believe all children deserve to receive world-class care at a children's hospital. For many children that care begins with CHOC's Emergency Transport Services Team. Our team is truly an extension of CHOC and the Pediatric Intensive Care Unit, and I take great pride in our team's ability to assess, resuscitate and stabilize patients before they arrive at CHOC."

EDUCATION:

Eastern Virginia Medical School,
Norfolk, Virginia

BOARD CERTIFICATIONS:

Pediatric Critical Care

WHAT IS TELEMEDICINE?

"Telemedicine encompasses a broad range of different applications," says Dr. Knight, CHOC's Pediatric Transport and Telemedicine expert. In a nutshell, telemedicine, also sometimes called telehealth, is the delivery of health care services using telecommunications or electronic technology. Telemedicine can involve video and audio equipment to assess a patient remotely, patient portals, remote monitoring of vital signs, the use of smartphones and tablets and remote medical education efforts. Telehealth also can include giving consumers medical and health information via the Internet or wireless devices, including access to online discussion or peer support groups.

CHOC AND TELEMEDICINE

CHOC has become a leader in telemedicine nationwide. "The way we utilize telemedicine at CHOC is to help assess and triage patients in settings outside of our own walls. Most hospitals do not have telemedicine capabilities that would allow a pediatric specialist to provide assessment and triage remotely."

4,000-4,200

ANNUAL NUMBER OF PATIENTS
TRANSPORTED TO CHOC IN EACH
OF THE PAST THREE YEARS



explained Dr. Knight, "Our experts can assess patients in emergency departments at other hospitals with a mobile telemedicine unit called the RP-Xpress that the CHOC transport team takes with them into the field. The RP-Xpress works through Wi-Fi or a cellular signal and allows a specialist back at CHOC to evaluate the patient using both video and audio. That assessment happens sooner than if we had waited until the patient arrived at CHOC and it may determine if the patient needs intervention right away."

30

PERCENT INCREASE OVER THE
PAST FIVE YEARS IN THE NUMBER
OF PATIENTS TRANSPORTED TO
CHOC ANNUALLY



50 YEARS OF EXPERT CARE

For almost 50 years, CHOC Children's physicians, nurses and staff have been devoted to improving the lives of children and families in our community. As home to the region's only dedicated pediatric emergency department and other world-class services and programs, from cardiology and neurosurgery to neonatology and orthopedics, CHOC is committed to being the leading destination for children's health by providing exceptional and innovative care.

For information on the expert care we provide and the health plans we accept, visit choc.org

10 million

ESTIMATED NUMBER OF AMERICANS
WHO BENEFITED FROM TELEMEDICINE
SERVICES IN 2013, ACCORDING
TO THE AMERICAN TELEMEDICINE
ASSOCIATION



Experts in: Health Technology Learn more about the latest advances at choc.org/health.

