

PREVENTATIVE BASELINE CARDIAC SCREENINGS FOR AGES 12-22 YEARS

MCORE Foundation mission is to provide education, screenings and enable research for sudden cardiac arrest (SCA) for children and young adults. We also offer CPR-AED programming and speak to parents about sudden cardiac arrest, its symptoms, history and warning signs. Our onsite screenings are provided at the highest standard of care outside of the hospital with pediatric cardiac sonographers doing all imaging and those are all read by pediatric cardiologists. We work in conjunction with many hospitals, schools and foundations in 9 states and are growing and currently see 5% of kids screened with an unknown abnormality.

The goal is to provide a baseline evaluation of each child's heart health that can be sent and used by the family's medical provider. Our programs are not meant to be used as clearance for sports participation and are not meant for children currently under the care of a cardiologist.



How Does the Screening Process Work?

Families register for screenings online (choose location) on our website and create an account, family history and American Heart Association and American Academy of Pediatrics cardiac screening questionnaire. This account is also where screening images are stored after they are read by our cardiologists.

What Type of Test Does the Screening Consist of?

Each child that is registered for our program will receive both an ECG and Limited Echo or Ultrasound of the heart.

What is an ECG?

During an ECG, 12 sensors (electrodes) that can detect the electrical activity of the heart are attached to the patient's chest to measure the timing and duration of each electrical phase in the heartbeat and reveal disturbances in heart rhythm. An ECG is a simple, noninvasive test that can detect risk for sudden SCA in an individual not detectable by exam and history alone.

What is an Echo or Ultrasound?

Otherwise known as echocardiography, the ultrasound is a simple, non-invasive test that uses inaudible sound waves to make two-dimensional images of the heart's walls and motions. MCORE Foundation technicians begin by applying sound-enhancing gel to the patient's skin, and then placing a transducer against it. This device emits a beam of high-frequency sound waves into the body. These waves bounce off body fluids and soft tissues, and — in the same way a bat "echolocates" its surroundings — the transducer records minute variations in the echoes and uses them to formulate a live feed of the person's internal organs. Ultrasound is completely painless and harmless; in fact, it's captivating for those who wish to view the inner workings of their own body. This test along with the EKG helps to greatly reduce false positives.

The testing takes under 15 minutes and is a one of a kind offering to help identify unknown abnormalities in children and young adults.

MCORE Foundation is a registered 501c3 organization
mcorefoundation.org to learn more

