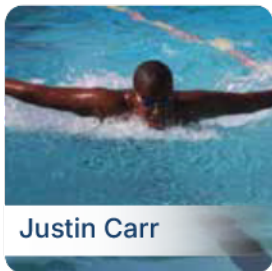


Empowering providers to identify SCA risk in youth because every heartbeat matters.



Introduction

Why This Toolkit Matters



Justin Carr



Jessica Clinton

Every year, out-of-hospital sudden cardiac arrest (SCA) claims thousands of young lives under age 18 due to undetected heart conditions.¹ This toolkit equips pediatricians and primary care providers with practical steps to integrate electrocardiogram (ECG) screenings into routine care, helping identify the 1 in 300 youth at risk for Sudden Cardiac Arrest (SCA).²

Key Benefits of ECG Screening in Youth:

- ✓ 50% of SCA cases in youth occur without prior symptoms.
- ✓ Traditional screening (history & physical exam) misses up to 90% of youth at risk for SCA.
- ✓ ECGs detect silent cardiac conditions such as Hypertrophic Cardiomyopathy, Long QT, Brugada, and Wolff-Parkinson-White syndromes.
- ✓ ECG screening has significantly reduced SCA incidents in countries and sports programs that have implemented it.

The Only ECG Engineered for Athletes' Hearts

We recommend CARDEA 20/20™ ECG for Heart Screening. It is the first and only FDA-cleared U.S. ECG system with breakthrough algorithms and International Consensus Criteria³, helping physicians quickly identify cardiac abnormalities that can lead to Sudden Cardiac Arrest (SCA) in individuals age 14 and above.



1 Low False Positive Rate of ~2%

Eliminating unnecessary further testing and concerns.

2 Portable

An easily transportable lightweight ECG transmitter connects to a standard Windows PC via USB cable.

3 Results within Minutes

Takes less than one minute to read the results.

Simple Steps to Implement ECG Screening in Youth



Start with a Plan

- Develop a simple ECG screening protocol for well-child checkups & pre-participation physical evaluations (PPEs).
- Train staff using quick reference guides & video tutorials.



Perform the ECG

- Step-by-step instructions ensure accuracy in pediatric screenings.
- Video tutorials for lead placement & best practices.



Interpret Results & Refer as Needed

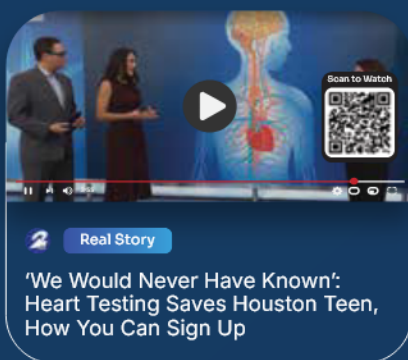
- Interpret ECG results at the physician's discretion, based on their clinical judgment and comfort with the patient's age group.
- Recognize normal vs. abnormal readings with clear guidelines.
- Identify red flags and refer to cardiology as needed.



Overcome Common Barriers

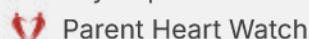
- **Time constraints?** ECGs take just minutes.
- **Concerned about false positives?** Use validated interpretation criteria.
- **No cardiologists available to over-read ECGs?** Partner with local non-profit organizations (Who We Play For, Nick of Time, Simon's Heart, etc.) that provide cardiologist over-read services, ensuring liability and interpretation

Real Stories & Insights



Take Action Today!

For Any Inquiries or Nonprofit Partnerships



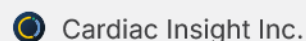
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¹7,537 Cardiac Arrest Registry to Enhance Survival (CARES) extrapolated from 2023 Annual Report

²23,000 National Emergency Services Information Systems (NEMSIS) data interpreted by "Characteristics of paediatric out-of-hospital cardiac arrest in the United States," Okubo, et al. 2020

³Sharma S, Drezner J, Baggish A, et al. International Recommendations for Electrocardiographic Interpretation in Athletes. J Am Coll Cardiol, Feb 2017; 69(8): 1057-1075. Read more:

<https://doi.org/10.1016/j.jacc.2017.01.015>