Thousands of patients with ST-Elevation Myocardial Infarction (STEMI) fail to receive critical therapy in a timely fashion, and nearly 30 percent of patients with STEMI do not receive any reperfusion treatment at all. As a result, the American Heart Association has created the *STEMI Provider Manual* and the Electrocardiogram Acute Coronary Syndrome (ECG ACS) Ruler as key products to address the ongoing need to train emergency professionals in the early recognition of STEMI.

The *STEMI Provider Manual* is a self-study booklet that enables healthcare providers to increase the assessment, diagnosis and treatment for STEMI patients. The ECG ACS Ruler, also sold separately, is another tool created to aid healthcare providers with reading and analysis of electrocardiograms.

Both of these products also support the efforts of the American Heart Association’s Mission: Lifeline™, a national initiative to improve quality of care and outcomes in heart attack patients by improving healthcare systems’ readiness and response to STEMI patients.

**Who benefits from this product?**

These products are intended for out-of-hospital healthcare providers, as well as emergency department personnel, and other STEMI systems of care providers.

**STEMI Provider Manual (80-1499)**

**Benefits**

- Improves early recognition and treatment of STEMI
- Improves overall healthcare system readiness and response to STEMI patients
- Reduces gaps in timely access to formulate treatments for STEMI patients
- Allows students to learn at their convenience with self-paced format
- Provides continuing education credit

*Takes approximately 1.5 hours to complete*
**STEMI Provider Manual (80-1499) Features**

- Self-study booklet of approximately 70 pages available to any healthcare provider
- STEMI clinical information, including steps needed to attain treatment goals
- 12-lead ECG as a key tool in triage and treating ACS
- Distinguish ECG findings for identifying patients into three ACS categories
- Identify pharmacologic agents for pain relief and reperfusion therapy
- STEMI Systems of Care (out-of-hospital and emergency department)
- ACS pathophysiology
- STEMI identification and treatment
- Annotated 12-lead ECGs for self-study

**ECG ACS Ruler (80-1181)**

**Features**

- Graphically defines ACS ECG findings for heart injury, ischemia and infarction
- Gives directions on how to measure ST deviation with a transparent “window” grid
- Has 2 transparent grids calibrated to 25mm/s paper to:
  - Measure the ST segment at the appropriate time after the J point
  - Measure PR, QRS and QT intervals
- Identifies infarct location with ECG graphics for specific leads for anterior, inferior and lateral infarct
- Lists normal values for PR, QRS and QTc intervals
- Has ruler markings to estimate heart rate and measure inch and centimeter

**Benefits**

- Ruler window allows users to line up the J point to easily indicate ST deviation
- Clear side ruler window allows for precise measurement of the size and length of intervals
- Diagrams of ACS and infarct locations on ruler provide an easy reference to determine type of Acute Coronary Syndrome place and location
- Compliments practical application for the STEMI Provider Manual and the electronic “Learn” products in production such as: Learn Rhythm – Adult, Learn Rhythm – Pediatric, and Learn Rapid STEMI ID

For more information on the STEMI Provider Manual visit americanheart.org/cpr or call 877.AHA.4CPR.