



 **Mortara**

ELI 10 MOBILE

ACHIEVING...

# 90 minutes

door to balloon

**Cardiovascular disease causes approximately 17 million deaths throughout the world each year<sup>1</sup>**

With **STEMI** (**ST-Elevation Myocardial Infarction**), patient survival depends upon swift intervention to restore blood flow to the heart. The American Heart Association and the American College of Cardiology recommend that intervention, such as catheterization, occurs within 90 minutes from the point of initial medical contact. “Both primary percutaneous coronary intervention (PCI) and fibrinolysis are well-recognized treatments for STEMI, and benefits are maximized when treatment occurs early.”<sup>2</sup> When STEMI is the diagnosis, survival is measured in minutes, and minutes translate to muscle.

The ideal scenario includes clinician diagnosis of myocardial infarction prior to arrival at the nearest equipped hospital. Early transmission of a pre-hospital 12-lead electrocardiogram is critical to the process; receipt of **12-lead ECG** data by the admitting hospital prior to the patient’s arrival can serve to alert and mobilize catheterization teams. In some cases, it may enable patients to bypass the Emergency Room altogether, saving even more of that precious 90 minutes.

<sup>1</sup>World Health Organization

<sup>2</sup>JAMA, June 2, 2010-Vol 303, No. 21

# early identification,

## THE MISSING LINK IN THE CHAIN OF SURVIVAL

The **ELI™ 10 Mobile** is a full-featured, ultraportable electrocardiograph designed for fast paced, demanding environments. Its rugged construction allows the ELI 10 Mobile to withstand the rigors and challenges associated with emergent mobilization. The ELI 10 Mobile deploys quickly and features one-touch action keys to simplify acquisition, analysis and transmission of ECGs. This intuitive and streamlined functionality allows caregivers to focus their attention on the patient rather than on operating the equipment.

Acquired data can be transmitted to a receiving station through a standard cellular communication protocol, enabling en-route confirmation of ECG interpretation.

## VERITAS – THE HEART OF ELI 10 MOBILE

Mortara's proprietary **VERITAS™** Resting ECG Interpretation Algorithm provides measurements and initial interpretation, including indication of acute infarction, for clinician review. Built on over 25 years of experience, the **VERITAS** suite of algorithms comprises the most widely licensed ECG algorithms in the world. **VERITAS** algorithms have been deployed in a variety of environments from home care to physician offices to acute care monitoring.





# earlier intervention



## RUGGED AND EFFICIENT

Miniature carrying case adds protection and convenience to your mobile solution. The rugged case helps to prevent damage to the electrocardiograph, while also serving as an ideal location for storing accessories. Also contained in the case is a set of instructions to aid in quick and easy operation.

- 1 Convenient cable storage reduces clutter
- 2 Quick-start manual guides users through essential tasks
- 3 Rugged, high density foam case protects the system
- 4 Transmit data via cellular communications or wireless local area network
- 5 Back-lit LCD provides visibility, even in low light environments
- 6 Automatic time synchronization ensures an accurate ECG date/time stamp
- 7 Full alphanumeric keyboard simplifies data entry

## streamline the point-of-entry

The faster a PCI is completed, the less damage is done to the heart muscle. The acquisition, interpretation and transmission of a pre-hospital 12-lead ECG using the ELI 10 Mobile may serve as a critical step in yielding better outcomes for STEMI patients. A confirmed diagnosis allows EMS personnel or the emergency physician to route the patient to the closest hospital facility that is adequately equipped to treat the particular patient.

By achieving ECG interpretation and diagnosis early on in the event sequence, the patient's optimal care plan may be quickly established and treatment may be expedited. An accelerated diagnosis may also save hospital time and money by preventing the unnecessary activation of catheterization teams.





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