

# 12-Lead EKG: Improving Outcomes for STEMI Heart Attacks

## What is a STEMI heart attack?

A STEMI (ST-segment elevation myocardial infarction) is a heart attack caused by a completely blocked artery or arteries. Although it is not the most common type of heart attack, it carries a significant risk of death or disability.

According to the American Heart Association (AHA), studies have shown that a person experiencing a STEMI heart attack suffers less heart damage and has an improved chance of survival if they are treated within 90 minutes.

## Mission: Lifeline

The more quickly the hospital, its physicians and its staff can be notified and be ready to treat the patient, the better the outcome. The AHA has developed a **Mission: Lifeline** initiative to improve the quality and speed of care for STEMI patients, beginning before they arrive at the hospital. This includes equipping and training emergency medical services to quickly diagnose a STEMI and transmit the results of an electrocardiogram (12-lead EKG) to the participating hospital while the patient is still in transit.

## What is a 12-lead EKG?

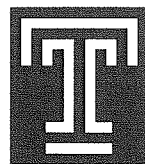
This technology allows the emergency medical service to transmit the results of an electrocardiogram through radio, cell phone and/or Internet directly to multiple locations within the receiving hospital during transport.

## Does Jeanes have 12-lead EKG?

Jeanes Hospital has partnered with Burholme Emergency Medical Service to provide this capability. A STEMI field alert from a Burholme ambulance is communicated directly to the Jeanes Emergency Department through Bluetooth® technology, activating the Cath Lab team and Cardiac Care team rapid response for the patient's arrival.

This is the first field cardiac program and the first 12-lead EKG partnership in Philadelphia. Application has been made to participate in the AHA's Mission: Lifeline program.

For information about the 12-lead EKG program, contact:  
William Donahue, ED Nurse Manager, at 215-728-3969



**Jeanes  
Hospital**

Temple University Health System

Partnering to offer the first 12-lead EKG program and the first field cardiac program in Philadelphia

*All health care is provided by Temple University Health System (TUHS) member organizations or independent health care providers affiliated with TUHS. Each TUHS member organization is owned and operated pursuant to its governing documents.*

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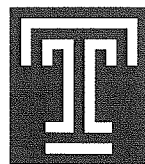
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