

BECAUSE TIME MATTERS.



**MISSION:
LIFELINE** 

The Centers for Disease Control and Prevention reported in 2013 that 5,216 Ohioans died from the deadliest type of heart attack – an ST-segment elevation myocardial infarction (STEMI). Approximately two-thirds of these deaths happen prehospital or in the emergency department. The American Heart Association’s Mission: Lifeline initiative is a comprehensive initiative to implement a STEMI system of care throughout Ohio to improve the quality of care and outcomes of patients with STEMI by improving the timeliness of care through health care systems, including emergency medical services (EMS). The overarching goal of the Mission: Lifeline initiative is to reduce death and disability for STEMI patients in Ohio.

Since the launch of Mission: Lifeline in Ohio, the percentage of STEMI patients meeting the EMS first medical contact to primary percutaneous coronary intervention has increased from 54% to 77%. The American Heart Association recognizes the critical life-saving role EMS provides to the overall success of STEMI systems of care and meeting this American College of Cardiology and American Heart Association STEMI guideline recommendation. Throughout Ohio, “high-functioning” EMS agencies along with their hospital partners in an effort to meet this guideline recommendation have successfully collaborated and implemented some of the basic components of an ideal STEMI system including; ongoing education on STEMI identification, providing access to 12 lead ECG machines, pre-activation of the cardiac catheterization laboratory team and data feedback loops.

Beyond these basic components of a “high-functioning” STEMI system of care, 51 EMS agencies in Ohio are now part of select group of prehospital agencies in the US focused not just on “high-functioning” but also “high-quality” STEMI systems of care – an increase from 6 agencies in 2014. These agencies join 431 other EMS agencies that are receiving the 2015 American Heart Association Mission: Lifeline EMS Performance Achievement Award. By state, Ohio had the second most recognized agencies in the US.

To achieve the Mission: Lifeline EMS Performance Achievement Award, these EMS agencies met volume criteria (at least 4 STEMIs per year) and achieved a 75% or higher compliance score for each specific EMS quality measure from 3 to 24 months. These measures include:

- Percentage of patients with non-traumatic chest pain > 35 years of age, treated and transported by EMS who receives a pre-hospital 12 Lead ECG.
- Percentage of STEMI patients transported to a STEMI Receiving Center, with pre-hospital First Medical Contact (FMC) to Device (PCI) < 90 Minutes.
- Percentage of STEMI patients transported to a STEMI Referring Center with arrival to fibrinolysis therapy administration < 30 minutes.

The agencies receiving Mission: Lifeline EMS Performance Achievement Awards in Ohio include:

Gold Performance Achievement Award (Met volume and recognition criteria for 8 quarters)

- Lancaster Division of Fire
- Springfield Township Fire Department (Summit County)
- Strongsville Fire Department

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Silver Performance Achievement Award (Met volume and recognition criteria for 4 quarters)

- Akron Fire Department EMS
- American Township Fire Department
- Brookfield Township EMS
- Cincinnati Fire Department
- City of Canton Fire Department
- City of Sharonville Fire Department
- City of Springfield Fire Rescue Division
- City of Stow Fire Department
- Cleveland Clinic Critical Care Transport
- Columbus Division of Fire
- Concord Township Fire Department
- Conneaut Fire Department
- Dayton Fire Department
- Delaware County EMS
- Delaware Fire Department
- Fairborn Fire Department
- Fredericktown Community Joint Emergency Ambulance District
- Green Township Fire and EMS
- Jackson Township Fire Department
- Kettering Fire Department
- Medical Life Support Team
- Miami Township Fire and EMS
- Middleburg Heights Fire Department
- Mount Vernon Fire Department
- North Olmsted Fire Department
- North Ridgeville Fire Department
- Reading Fire Department
- Tallmadge Fire Department
- Westlake Fire Department
- Willard Fire Department

Bronze Performance Achievement Award (Met volume and recognition criteria for 1 to 3 quarters)

- Ada/Liberty EMS
- Brook Park Fire Department
- Brunswick Fire Department
- City of Euclid Fire
- City of Worthington Division of Fire and EMS
- Cleveland Hopkins International Airport
- Columbia Township Fire Department
- Huron Fire Department
- Lane LifeTRANS

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- Mayfield Heights Fire Department
- Norwich Township Fire Department
- Olmsted Falls Fire Department
- Pepper Pike Fire Department
- Pleasant Township Fire
- Solon Fire and Rescue
- Springfield Township Fire Department (Hamilton County)
- Upper Arlington Fire Division
- West Chester Fire Department

For their accomplishment, the American Heart Association will recognize these EMS agencies throughout the year at professional meetings, in professional journals including *JEMS* and on the AHA website.

The communities in the Ohio served by these EMS agencies should be very proud of their prehospital professionals. So on behalf of all the staff and volunteers of the AHA, please join us in congratulating these EMS agencies on their accomplishment.