2018 Mission: Lifeline® EMS – Detailed Recognition Criteria, Achievement Measures and Reporting Measures

Table of Contents

Mission: Lifeline EMS Recognition Award Levels .................................................. Page 2
Mission: Lifeline EMS Recognition Annual Volume Requirement .......................... Page 2
2018 Mission: Lifeline EMS Recognition Award Period ........................................ Page 2
Mission: Lifeline EMS Recognition Application and Data Periods ....................... Page 2
Data and/or Time Intervals to Collect and Review on a Regular Basis: ................. Page 3
Required Measures .................................................................................................. Page 3
2018 ACHIEVEMENT MEASURES: .................................................................... Page 4
2018 Reporting Measures (Optional) ..................................................................... Page 4
2018 Mission: Lifeline® EMS Recognition Detailed Criteria and Measures

Mission: Lifeline EMS Recognition Award Levels

<table>
<thead>
<tr>
<th>Award Level</th>
<th>Number of Quarters Compliance</th>
<th>Minimum Adherence Score</th>
<th>Minimum Volume Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronze</td>
<td>At Least 1</td>
<td>&gt;75% on all measures</td>
<td>4 or more in calendar year</td>
</tr>
<tr>
<td>Silver</td>
<td>Annual Compliance</td>
<td>&gt;75% on all measures</td>
<td>8 or more in calendar year</td>
</tr>
<tr>
<td>Gold</td>
<td>Annual Compliance + Silver in 2017</td>
<td>&gt;75% on all measures</td>
<td>8 or more in calendar year</td>
</tr>
</tbody>
</table>

Mission: Lifeline EMS Recognition Annual Volume Requirement

Patient volume requirements pertain to achievement Measure 2 (FMC to PCI) and/or Measure 3 (Arrival to Lytics). It is assumed when volume requirements are met for Measure 2 and/or Measure 3, volume requirements will also be met for the other measures.

The annual volume requirements referenced in the above Mission: Lifeline EMS Recognition Award Levels, can be met by using only either Measure 2 OR only Measure 3 or by adding together the denominators for the year in measures 2 and 3 (FMC to PCI and/or Arrival to Lytics)

For Example:

<table>
<thead>
<tr>
<th>Scenario</th>
<th># Patients for Measure 2</th>
<th># Patients for Measure 3</th>
<th>Annual Volume</th>
<th>Meets Volume/Award Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3 STEMI Patients</td>
<td>1 STEMI Patient</td>
<td>4</td>
<td>YES/Bronze</td>
</tr>
<tr>
<td>B</td>
<td>2 STEMI Patients</td>
<td>6 STEMI Patients</td>
<td>8</td>
<td>YES/Silver or Gold</td>
</tr>
<tr>
<td>C</td>
<td>4 STEMI Patients</td>
<td>0 STEMI Patients</td>
<td>4</td>
<td>YES/Bronze</td>
</tr>
<tr>
<td>D</td>
<td>0 STEMI Patients</td>
<td>8 STEMI Patients</td>
<td>8</td>
<td>YES/Silver or Gold</td>
</tr>
<tr>
<td>E</td>
<td>2 STEMI Patients</td>
<td>1 STEMI Patients</td>
<td>3</td>
<td>No</td>
</tr>
</tbody>
</table>

2018 Mission: Lifeline EMS Recognition Award Period

The 2018 award period includes data specific to patients treated from January 1, 2017 to December 31, 2017 (And for low volume agencies not achieving an award for 2017, data specific to patients treated from January 1, 2016 to December 31, 2016 may also be utilized.)

Mission: Lifeline EMS Recognition Application and Data Periods

The 2018 Mission: Lifeline EMS Recognition Application will open on January 1, 2018 and remain open through 23:59.59 on Monday April 2, 2018. Traditionally, the application period ends on March 31st, however, in 2018, March 31st falls on a Saturday and access to AHA staff may be limited.

The Mission: Lifeline EMS Recognition Application captures quarterly data
- Quarter 1 – January, February, March
- Quarter 2 – April, May, June
- Quarter 3 – July, August, September
- Quarter 4 – October, November, December
Data and/or Time Intervals to Collect and Review on a Regular Basis:

Data and Date and Time Intervals related to Recognition Measures 1 – 5
- All patients 35 years or over with Primary Impression consistent with Non-Traumatic Chest Pain
- 12 Lead ECG Acquisition adherence
- Time of First Medical Contact (FMC) to Time of PCI
- Time of Arrival to STEMI Referring Center to Time of Lytic Administration
- Time of FMC to Time of First 12 Lead Acquisition
- Time of First STEMI Positive Pre-Hospital 12 Lead to Time Destination Hospital Notification

Data and Date and Time Intervals to Collect and Review related to the PLUS Measure and the Reporting Measures
- Out of Hospital Cardiac Arrest patients with suspected cardiac etiology
- OOHCA patients with sustained ROSC
- OOHCA patients with sustained ROSC and a 12 Lead ECG was performed prior to hospital arrival
- Patients with non-traumatic chest pain eligible and receiving Aspirin (by EMS or patient self-administered)
- Pre-arrival stroke alerts for all suspected stroke patients
- Suspected stroke patients with documented Last Known Well Time (LKW)
- 12 Lead ECG Acquisition on patients with initial complaint of ACS signs and symptoms
- Time of Arrival to STEMI Referring Center to Time of PCI at Receiving Center for the STEMI patient

Not required for Mission: Lifeline EMS recognition, but it is highly recommended that EMS agencies attend and participate in the monthly or quarterly Multidisciplinary STEMI review meetings usually held at the STEMI Receiving center.

Required Measures
See the table below for required measures based on destination hospital type:

<table>
<thead>
<tr>
<th>Agency</th>
<th>Transports patients to STEMI Receiving Center</th>
<th>Transports patients to STEMI Referring Hospital AND patients receive lytics</th>
<th>Submit Data for the following Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency 1</td>
<td>YES</td>
<td>YES</td>
<td>1, 2, 3, 4, and 5</td>
</tr>
<tr>
<td>Agency 2</td>
<td>YES</td>
<td>NO</td>
<td>1, 2, 4 and 5</td>
</tr>
<tr>
<td>Agency 3</td>
<td>NO</td>
<td>YES</td>
<td>1, 3, 4 and 5</td>
</tr>
<tr>
<td>Agency 4</td>
<td>NO</td>
<td>NO</td>
<td>Ineligible to apply</td>
</tr>
</tbody>
</table>
2018 ACHIEVEMENT MEASURES:

Achievement Measure 1
Percentage of patients with non-traumatic chest pain ≥ 35 years, treated and transported by EMS who received a pre-hospital 12-lead electrocardiogram

Achievement Measure 2
Percentage of STEMI patients treated and transported directly to an STEMI receiving center, with prehospital first medical contact to device time ≤90 minutes

Achievement Measure 3
Percentage of lytic eligible STEMI patients treated and transported to an STEMI referring hospital for fibrinolytic therapy with a door--to--needle time ≤30 minutes

Achievement Measure 4
Percentage of pre-hospital 12 lead ECGs performed on patients within 10 minutes of transporting EMS agency arrival to the patient with initial complaint of non-traumatic chest pain and who is ≥ 35 years of age

Achievement Measure 5
The percentage of hospital notifications or 12 Lead ECG transmissions suggesting a STEMI alert (or Cardiac Cath Lab Activation), that are performed within 10 minutes of the first STEMI positive 12 Lead ECG in the field

2018 Plus Measure (Optional):
Percentage of adult Out-Of-Hospital Cardiac Arrest (OHCA) patients resuscitated on-scene with sustained ROSC of at least 20 minutes maintained to arrival at the emergency department who had a 12 Lead ECG performed in the field.
2018 Reporting Measures (Optional)

Reporting Measure 1:
Percentage of patients with suspected stroke for whom EMS provided advance notification to the receiving hospital

Reporting Measure 2:
Percentage of patients with suspected stroke evaluated by EMS, who had an EMS documented Last Known Well (LKW) time.

Reporting Measure 3:
Percentage of adult OHCA patients with sustained ROSC maintained to arrival at the emergency department who were transported to a PCI-capable hospital.

Reporting Measure 4:
Percentage of 12 lead ECGs performed on patients in the field with an initial complaint of Acute Coronary Syndrome (ACS) symptoms

Inclusion Criteria: Patients with symptoms consistent with Acute Coronary Syndrome (ACS) 35 years of age or over, and transported by EMS. ACS symptoms include:

- Chest pain, discomfort, pressure, tightness or fullness
- Pain or discomfort in one or both arms, the jaw, neck, back or stomach
- Shortness of breath
- Dizziness or lightheadedness
- Nausea
- Diaphoresis

Reporting Measure 5
Percentage of STEMI patients initially transported to a referring (non-PCI) hospital who were later transported to an STEMI Receiving Center with an EMS FMC to PCI time ≤ 120 minutes.

Reporting Measure 6
Percentage of patients with non-traumatic chest pain ≥ 35 years, treated and transported by EMS, who received aspirin either by EMS Administration, Dispatch instruction, or patient self-administration.

*Submission of reporting measures data is OPTIONAL. Submitting reporting measure data is not required to achieve recognition nor will any reporting measure data be considered when determining eligibility for recognition. Because some reporting measures may become required achievement measures in the future program years, agencies may wish to begin developing their collection processes for them sooner than later.