Mission: Lifeline STEMI Protocol
(Accounts for Urban and Rural Communities)

patient has onset of symptoms

patient summons EMS

Diagnosis confirmed through 12-lead ECG

EMS activates air medical transport and proceeds directly to the designated helicopter landing zone

EMS or ED activates cath lab with a single phone call

EMS administers pre-hospital fibrinolysis

EMS activates pre-hospital triage for fibrinolysis

Patient is taken to nearest STEMI-receiving hospital (cath lab fully operational within 30 min.; EMS contact-to-balloon time < 90 min.)

Follow middle panel

Discharge on secondary prevention measures

ED protocol

Transfer to cath lab protocol

Cath lab protocol (door-to-balloon time < 90 min.)

ED physician activates cath lab at STEMI-receiving hospital with a single phone call if PCI is preferred strategy

Administration of fibrinolytic therapy (door-to-needle time < 30 min.)

Transfer to PCI hospital for potential rescue PCI pharmaco-invasive strategy

If ineligible or in shock, arrange for transfer to STEMI-receiving hospital

Customized transfer plan according to region in which the patient is transferred (ground or helicopter)

Patient is taken to proximate STEMI-receiving hospital (cath lab fully operational within 30 min.; door-to-balloon time < 90 min.)

Follow right panel

Discharge on secondary prevention measures

Return to local community/physician

Legend:
ED = Emergency Department
EMS = Emergency Medical Services
PCI = Percutaneous Coronary Intervention