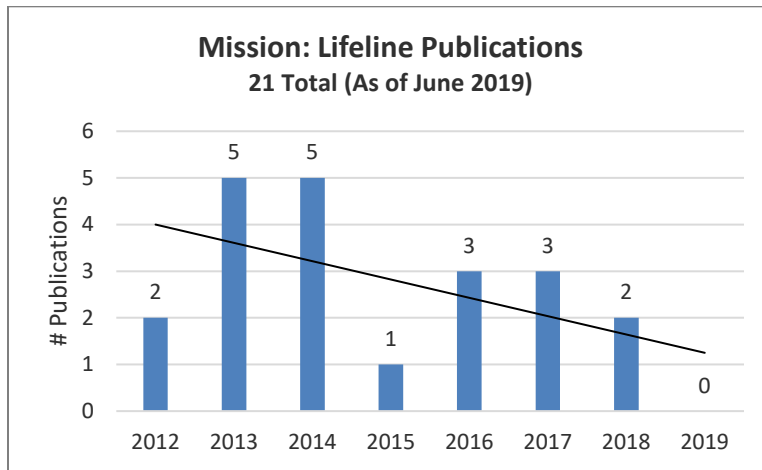




Mission: Lifeline Program Research Publications & Other Publications that Support M:L Program
As of June 2019

Mission: Lifeline® Systems of Care Research questions relate to STEMI and cardiac resuscitation systems of care. These topics include but are not limited to, pre-hospital data review, interfacility transfer, activation and hospital bypass protocols, emergency department and cardiac catheterization laboratory activities. Mortality data that corresponds to these two disease states along with outcome measures are also included.



*Publications that were funded and guided through the AHA Mission: Lifeline® Program (a longstanding STEMI improvement process initiative) (21)

** STEMI Systems Accelerator Project (5)

Papers with no asterisk are literature that focuses on STEMI Systems of Care and were funded by sources other than AHA (such as ARG). (22)

Total publications: 48

2019
[*Improving Care of STEMI in the United States 2008 to 2012: A Report from the American Heart Association Mission: Lifeline Program.](#) Granger CB, Bates ER, Jollis JG, Antman EM, Nichol G, O'Connor RE, Gregory T, Roettig ML, Peng SA, Ellrodt G, Henry TD, French WJ, Jacobs AK. *Journal of the American Heart Association.* 1/8/19.

2018



*Green JL, Jacobs AK, Holmes D, Chiswell K, Blanco R, Bates ER, French W, Kupas DF, Mears G, Roe M, Nallamothu BK. [Taking the Reins on Systems of Care for Heart Attack Patients: A Report From The AHA Mission: Lifeline® Program](#). *Circulation: Cardiovascular Interventions*. 5/1/18

*McCarthy JL, Carr B, Sasson C, Bobrow BJ, Callaway CW, Neumar RW, Ferrer JM, Garvey JL, Ornato JP, Gonzales L, Granger CB, Kleinman ME, Bjerke C, Nichol G. [Out-of-Hospital Cardiac Arrest Resuscitation Systems of Care: A Scientific Statement From the AHA](#). *Circulation*. 2/26/18

2017

*Shavadia JS, French W, Hellkamp AS, Thomas L, Bates ER, Manoukian SV, Kontos MC, Suter R, Henry TD, Dauerman HL, Roe MT. [Comprehensive electrocardiogram-to-device time for primary percutaneous coronary intervention in ST-segment elevation myocardial infarction: A report from the American Heart Association Mission: Lifeline program](#). *American Heart Journal*. 11/2/17

**Kragholm K, Lu D, Chiswell K, Al-Khalidi HR, Roettig ML, Roe M, Jollis J, Granger CB. [Improvement in Care and Outcomes for Emergency Medical Service-Transported ST-Elevation Myocardial Infarction Patients With and Without Pre-hospital Cardiac Arrest: A Mission: Lifeline STEMI Accelerator Study](#). *JAHA*. 10/13/17

**Fordyce CB, Al-Khalidi HF, Jollis JG, Roettig ML, Gu J, Bagai A, Berger PB, Corbett CC, Dauerman HL, Fox K, Garvey JL, Henry TD, Rokos IC, Sherwood MW, Wilson BH, Granger CB and for the STEMI Systems Accelerator Project. [Association of Rapid Care Process Implementation on Reperfusion Times Across Multiple ST-Segment-Elevation Myocardial Infarction Networks](#). *Circulation: Cardiovascular Interventions*. 1/12/17



2016

**Alberto Cordero, Pilar Carrillo, Ramón López-Palop. [Letter by Cordero et al Regarding Article, "Regional Systems of Care Demonstration Project: American Heart Association Mission: Lifeline STEMI Systems Accelerator"](#). Circulation. 12/12/16

**Jollis JG, Al-Khalidi HR, Roettig ML, Berger PB, Corbett CC, Dauerman HL, Fordyce CB, Fox K, Garvey JL, Gregory T, Henry TD, Rokos IC, Sherwood MW, Suter RE, Wilson BH, Granger CB; [Regional Systems of Care Demonstration Project: American Heart Association Mission: Lifeline STEMI Systems Accelerator Project](#). Circulation. Epub 8/2/16.

*Kontos MC, Wang TY, Chen AY, Bates ER, Dauerman HL, Henry TD, Manoukian SV, Roe MT, Suter R, Thomas L, French WJ. [The effect of high-risk ST elevation myocardial infarction transfer patients on risk-adjusted in-hospital mortality: A report from the American Heart Association Mission: Lifeline program](#). AHJ. 7/30/16

2015

Anderson LL, French WJ, Peng SA, Vora AN, Henry TD, Roe MT, Kontos MC, Granger CB, Bates ER, Hellkamp A, Wang TY. [Direct Transfer From the Referring Hospitals to the Catheterization Laboratory to Minimize Reperfusion Delays for Primary Percutaneous Coronary Intervention: Insights From the National Cardiovascular Data Registry](#). Circulation: Cardiovascular Interventions. 9/3/15

*Dauerman HL, Bates, ER, Kontos MC, Li s, Garvey, JL, Henry TD, Manoukian SV, Roe MT. [Nationwide analysis of patients with ST-Segment-Elevation myocardial infarction transferred for primary percutaneous intervention: Findings from the American Heart Association Mission: Lifeline Program](#). Circulation: Cardiovascular Interventions. 4/21/15

Langabeer JR 2nd, Prasad S, Seo M, Smith DT, Segrest W, Owan T, Gerard D, Eisenhauer MD. [The effect of interhospital transfers, emergency medical services, and distance on ischemic time in a rural ST-elevation myocardial infarction system of care](#). Am J Emerg Med. 4/10/15

2014

*Vora AN, Homes DN, Rokos I, Roe MT, Granger CB, French WJ, Antman E, Henry TD, Thomas L, Bates, ER, Wang TY. [Fibrinolysis use among patients requiring interhospital transfer for ST-segment elevation myocardial infarction care: a report from the US National Cardiovascular Data Registry](#). JAMA Intern Med. 12/8/14

*Nicholson BD, Dhindsa HS, Roe MT, Chen AY, Jollis JG, Kontos MC. [Relationship of the distance between Non-PCI hospitals and primary PCI centers, mode of transport, and reperfusion time among ground and air interhospital transfers using NCDR's ACTION Registry-GWTG: A report from the American Heart Association Mission: Lifeline Program](#). Circ Cardiovasc Interv. 11/18/14.



**Bagai A, Al-Khalidi HR, Sherwood MW, Muñoz D, Roettig ML, Jollis JG, Granger CB. [Regional systems of care demonstration project: Mission Lifeline STEMI Systems Accelerator: design and methodology](#). Am Heart J. 10/23/14.

*Bagai A, Jollis JG, Dauerman HL, Peng SA, Rokos IC, Bates ER, French WJ, Granger CB, Roe MT. [Response to letter regarding article, "Emergency department bypass for ST-segment-elevation myocardial infarction patients identified with a prehospital electrocardiogram: a report from the American Heart Association Mission: Lifeline Program."](#) Circulation. 3/3/14

*Cotoni DA, Roe MT, Li S, Kontos MC. [Frequency of nonsystem delays in ST-elevation myocardial infarction patients undergoing primary percutaneous coronary intervention and implications for door-to-balloon time reporting. A report from the American Heart Association Mission: Lifeline Program](#). Am J Cardiol. 4/16/14.

*Dasari TW, Roe MT, Chen AY, Peterson ED, Giugliano RP, Fonarow GC, Saucedo JF. [Impact of time of presentation on process performance and outcomes in ST-segment-elevation myocardial infarction: A report from the American Heart Association: Mission Lifeline Program](#). Circ Cardiovasc Qual Outcomes. 7/29/14.

Mumma BE, Kontos MC, Peng SA, Diercks DB. [Association between prehospital electrocardiogram use and patient home distance from the percutaneous coronary intervention center on total reperfusion time in ST-segment-elevation myocardial infarction patients: A retrospective analysis from the National Cardiovascular Data Registry](#). American Heart Journal. 4/4/14

Maier LS, Maier SK, Scholz KH. Letter by Maier et al regarding article, "[Emergency department bypass for ST-segment-elevation myocardial infarction patients identified with a prehospital electrocardiogram: a report from the American Heart Association Mission: Lifeline Program](#)". Circulation. 3/3/14

*O'Connor RE, Nichol G, Gonzales L, Manoukian SV, Moyer PH, Rokos I, Sayre MR, Solomon RC, Wingrove GL, Brady WJ, McBride S, Lorden AL, Roettig ML, Acuna A, Jacobs AK. [Emergency medical services management of ST-segment elevation myocardial infarction in the United States-A report from the American Heart Association Mission: Lifeline Program](#). Am J Emerg Med. 4/18/14.

2013

*Shavelle DM, Chen AY, Matthews RV, Roe MT, de Lemos JA, Jollis J, Thomas JL, French WJ; ACTION-GWTG Investigators. [Predictors of reperfusion delay in patients with ST elevation myocardial infarction self-transported to the hospital \(from the American Heart Association's Mission: Lifeline Program\)](#). Am J Cardiol. 12/12/13.

*Bagai A, Jollis JG, Dauerman HL, Peng SA, Rokos IC, Bates ER, French WJ, Granger CB, Roe MT. [Emergency department bypass for ST-Segment-elevation myocardial infarction patients identified with a prehospital electrocardiogram: a report from the American Heart Association Mission: Lifeline Program](#). Circulation. 6/23/13

Bates ER, Jacobs AK. [Time to Treatment in Patients with STEMI](#). N Engl J Med. 9/5/13

*Bjerke C, Wingrove G, Pratt F, Garvey JL, Ellrodt AG. [Mission: Lifeline will incorporate EMS recognition in STEMI map: cardiac resuscitation systems of care](#). JEMS. 3/2013



*Rokos IC, Henry TD, Weittenhiller B, Bjerke CM, Bates ER, French WJ. [Mission: Lifeline STEMI networks geospatial information systems \(GIS\) maps](#). Crit Pathw Cardiol. 9/16/13

*Rokos IC, Schwamm LH, Konig M, Malcarney MB, Horton KB, Ranous J, Ellrodt AG, Farmer SA, Frankel MR, Ferguson TB, Goff DC Jr, Hiratzka L, Jacobs AK. [Variable impact of state legislative advocacy on registry participation and regional systems of care implementation: A Policy Statement From the American Heart Association](#). Circulation. 9/16/13

2012

*Jollis J, Granger C, Henry T, Antman E, Berger P, Moyer P, Pratt F, Rokos I, Acuña A, Roettig M, Jacobs A. [Systems of care for ST-Elevation myocardial infarction: A Report from the AHA Mission: Lifeline Program](#). Circ Cardiovasc Qual Outcomes. 5/22/12

*Riley RF, Newby LK, Don CW, Roe MT, Holmes DN, Gandhi SK, Kutcher MA, Herrington DM. [Diagnostic time course, treatment, and in-hospital outcomes for patients with ST-Segment elevation myocardial infarction presenting with non-diagnostic initial electrocardiogram: a report from the American Heart Association Mission: Lifeline Program](#). Am Heart J. Epub 11/23/12

2011

Mathews R, Peterson ED, Li S, Roe MT, Glickman SW, Wiviott SD, Saucedo JF, Antman EM, Jacobs AK, Wang TY. [Use of emergency medical service transport among patients with ST-segment-elevation myocardial infarction: findings from the National Cardiovascular Data Registry Acute Coronary Treatment Intervention Outcomes Network Registry-Get With The Guidelines](#). Circulation. 6/12/11

Wang TY, Nallamothu BK, Krumholz HM, Li S, Roe MT, Jollis JG, Jacobs AK, Holmes DR, Peterson ED, Ting HH. [Association of door-in to door-out time with reperfusion delays and outcomes among patients transferred for primary percutaneous coronary intervention](#). JAMA. 6/22/11

2010

Carr BG, Matthew Edwards J, Martinez R; 2010 Academic Emergency Medicine consensus conference, Beyond Regionalization: Integrated Networks of Care. [Regionalized care for time-critical conditions: lessons learned from existing networks](#). Acad Emerg Med. 12/1/10

2009

Deborah B. Diercks, Michael C. Kontos, Anita Y. Chen, Charles V. Pollack, JR, Stephen D. Wiviott, John S. Rumsfeld, David J. Magid, Brian Gibler, Christopher P. Cannon, Eric D. Peterson, Matthew T. Roe. [Utilization and Impact of Pre-Hospital Electrocardiograms for Patients With Acute ST-Segment Elevation Myocardial Infarction Data From the NCDR \(National Cardiovascular Data Registry\) ACTION \(Acute Coronary Treatment and Intervention Outcomes Network\) Registry](#). J Am Coll Cardiol. 1/6/09



*Debbs J. [The American Heart Association's New Mission: Lifeline initiative to improve response and treatment of severe heart attack](#). The Legislator. 3/2009.

*O'Connor R. [American Heart Association's Mission: Lifeline - A call to arms for emergency medicine](#). ACEP News. 1/2009

2008

Antman EM. [The specialty of emergency medicine: needed now more than ever before](#). Ann Emerg Med. 10/2008

2007

Faxon D. [Development of systems of care for ST-elevation myocardial infarction patients: current state of ST-elevation myocardial infarction care](#). Circulation. 7/9/07

Mensah GA, Hand MM, Antman EM, Ryan TJ Jr, Schriever R, Smith SC Jr. [Development of systems of care for ST-elevation myocardial infarction patients: the patient and public perspective](#). Circulation. 7/9/07

Sanz M, Smalling RW, Brewer DL, French WJ, Smaha LA, Ting HH, Casey DE. [Development of systems of care for ST-elevation myocardial infarction patients: the physician perspective](#). Circulation. 7/9/07

Moyer P, Ornato JP, Brady WJ Jr, Davis LL, Ghaemmaghami CA, Gibler WB, Mears G, Mosesso VN Jr, Zane RD. [Development of systems of care for ST-elevation myocardial infarction patients: the emergency medical services and emergency department perspective](#). Circulation. 7/9/07

Ellrodt G, Sadwin LB, Aversano T, Brodie B, O'Brien PK, Gray R, Hiratzka LF, Larson D. [Development of systems of care for ST-elevation myocardial infarction patients: the non-percutaneous coronary intervention-capable \(ST-elevation myocardial infarction referral\) hospital perspective](#). Circulation. 7/10/07

Granger CB, Henry TD, Bates WE, Cercek B, Weaver WD, Williams DO. [Development of systems of care for ST-elevation myocardial infarction patients: the primary percutaneous coronary intervention \(ST-elevation myocardial infarction-receiving\) hospital perspective](#). Circulation. 7/10/07

Fenter T, Golash T, Jensen N. [Development of systems of care for ST-elevation myocardial infarction patients: the payer perspective](#). Circulation. 7/9/07

Peterson ED, Ohman EM, Brindis RG, Cohen DJ, Magid DJ. [Development of systems of care for ST-elevation myocardial infarction patients: evaluation and outcomes](#). Circulation. 7/10/07

Nallamothu BK, Krumholz HM, Ko DT, LaBresh KA, Rathore S, Roe MT, Schwamm L. [Development of systems of care for ST-elevation myocardial infarction patients: gaps, barriers, and implications](#). Circulation. 7/10/07

Solis P, Amsterdam EA, Bufalino V, Drew BJ, Jacobs AK. [Development of systems of care for ST-elevation myocardial infarction patients: policy recommendations](#). Circulation. 7/10/07



Jacobs AK, Antman EM, Faxon DP, Gregory T, Solis P. [Development of systems of care for ST-elevation myocardial infarction patients: executive summary](#). *Circulation*. 7/10/07

2006

Jacobs AK, Antman EM, Ellrodt G, Faxon DP, Gregory T, Mensah GA, Moyer P, Ornato J, Peterson ED, Sadwin L, Smith SC; American Heart Association's Acute Myocardial Infarction Advisory Working Group. [Recommendation to develop strategies to increase the number of ST-segment-elevation myocardial infarction patients with timely access to primary percutaneous coronary intervention](#). *Circulation*. 5/1/06