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Authors: Zhixin Wu, Micah Panczyk, Daniel W. Spaite, Chengcheng Hu, Hidetada Fukushima, Blake Langlais, John Sutter, Bentley J. Bobrow

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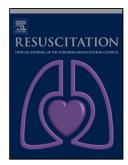
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ACCEPTED MANUSCRIPT

Telephone Cardiopulmonary Resuscitation is Independently Associated with Improved Survival and Improved Functional Outcome after Out-of-Hospital Cardiac Arrest

Zhixin Wu, MD¹; Micah Panczyk, MS²; Daniel W. Spaite, MD³; Chengcheng Hu, PhD⁴; Hidetada Fukushima, MD⁵; Blake Langlais, BS²; John Sutter, BS⁶; Bentley J. Bobrow, MD^{2,3}

Corresponding Author:

Micah Panczyk
Bureau of EMS & Trauma System
Arizona Department of Health Services
150 18th Ave, Suite 540
Phoenix, AZ 85007
micah.panczyk@azdhs.gov
602-364-2846

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ABSTRACT

Aim of Study

This study aims to quantify the relative impact of Dispatcher-Initiated Telephone cardio-pulmonary resuscitation (TCPR) on survival and survival with favorable functional outcome after out-of-hospital cardiac arrest (OHCA) in a population of patients served by multiple emergency dispatch centers and more than 130 emergency medical services (EMS) agencies.

Methods

We conducted a prospective, observational study of EMS-treated adult (≥18 years) patients with OHCA of presumed cardiac origin in Arizona, between January 1, 2011, and December 31, 2014. We compared survival and functional outcome among three distinct groups of OHCA patients: those who received no CPR before EMS arrival (no CPR group); those

¹ Department of Emergency and Critical Care Medicine, Foshan Hospital of Traditional Chinese Medicine, Foshan City, Guangdong Province, China

² Bureau of EMS & Trauma System, Arizona Department of Health Services, Phoenix, AZ

³ Arizona Emergency Medicine Research Center, University of Arizona College of Medicine – Phoenix, Phoenix, AZ

⁴ Department of Epidemiology and Biostatistics, Mel and Enid Zuckerman College of Public Health, University of Arizona, Tucson, AZ

⁵Department of Emergency and Critical Care Medicine, Nara Medical University, Kashihara, Nara, Japan

⁶ University of Arizona College of Medicine – Phoenix, Phoenix, AZ

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