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

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ABSTRACT**Aim of Study**

This study aims to quantify the relative impact of Dispatcher-Initiated Telephone cardiopulmonary 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

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