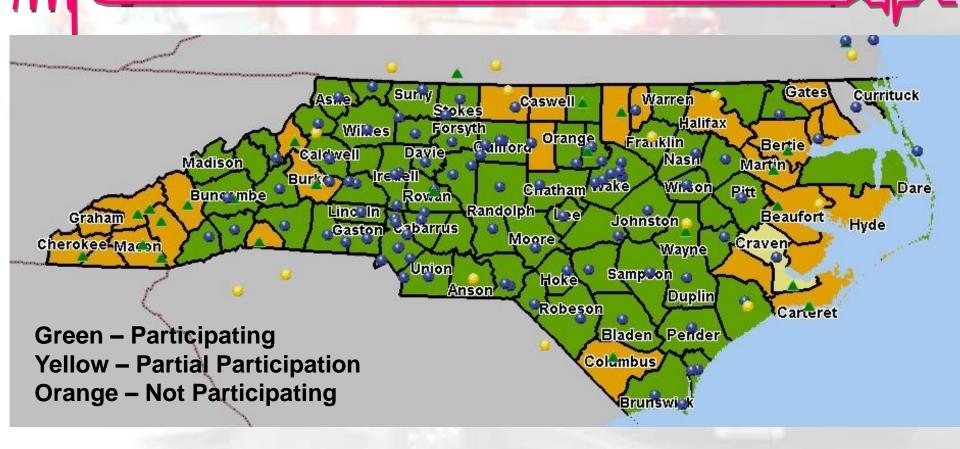


CARES DATA

Clark Tyson, MS, NREMT-P NC CARES Coordinator May 26,2015 clark.tyson@dm.duke.edu



CARES Participation 5-26-15



71 systems participating 88.5% of NC population captured





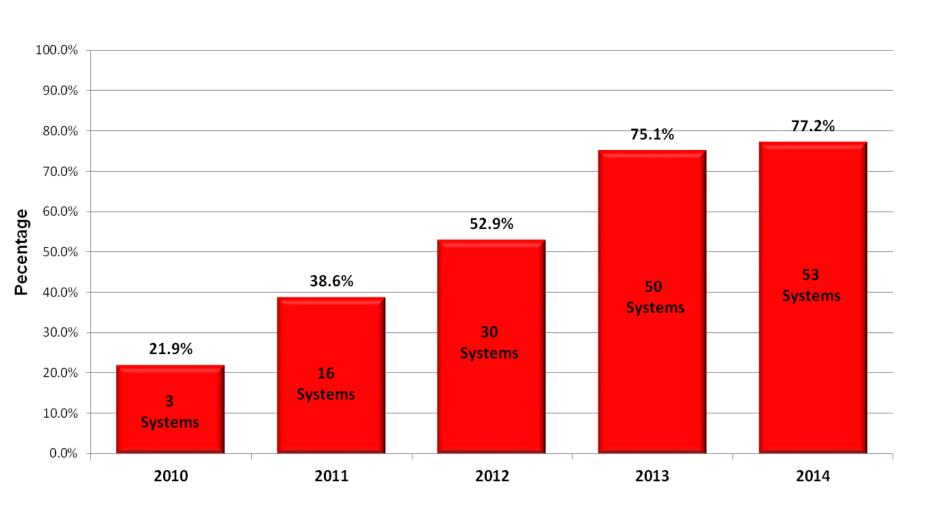
% NC Population Reporting to CARES

2010 - 2014

April 20, 2015







Systems with complete data (12 months with outcomes) By Year Reporting Started

Demographics

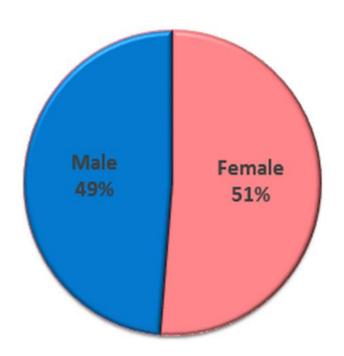
	NC	US
Mean Age	63.1	62.9
Median Age	65	65
Male (%)	60.9	61.1
Female (%)	39.1	38.9
Home/Residence %	72.6	70
Nursing Home %	10.1	10.6
Public Setting %	17.3	19.4

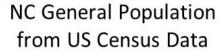


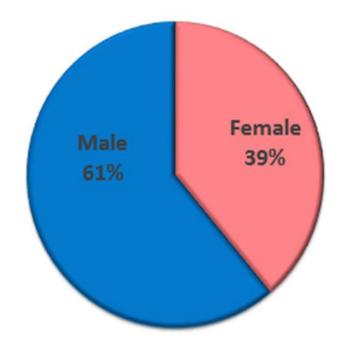
North Carolina CARES Gender of Cardiac Arrest 2010-2014 May 27, 2015











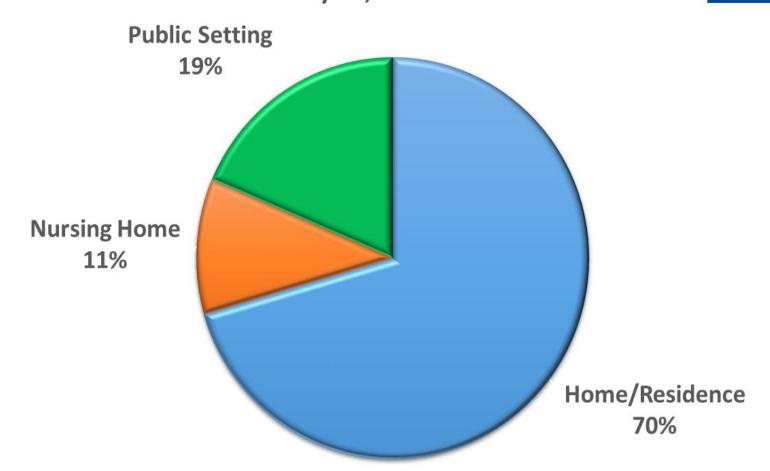
NC CARES



North Carolina CARES Location of Arrest 2010-2014 May 18, 2015









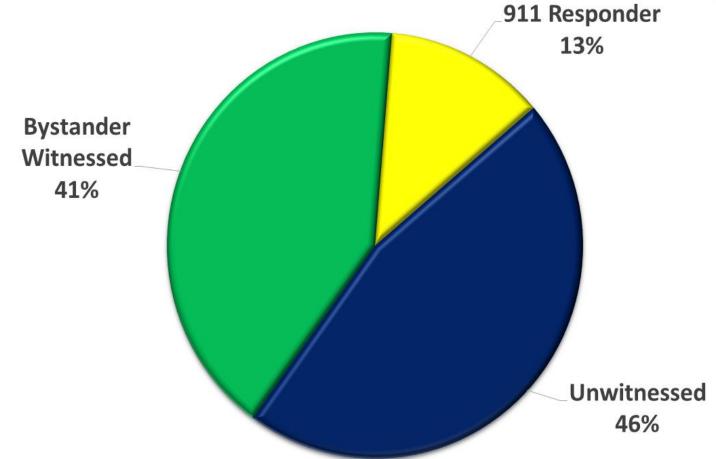
North Carolina CARES Witness Status 2010-2014



HeartRescue PROJECT





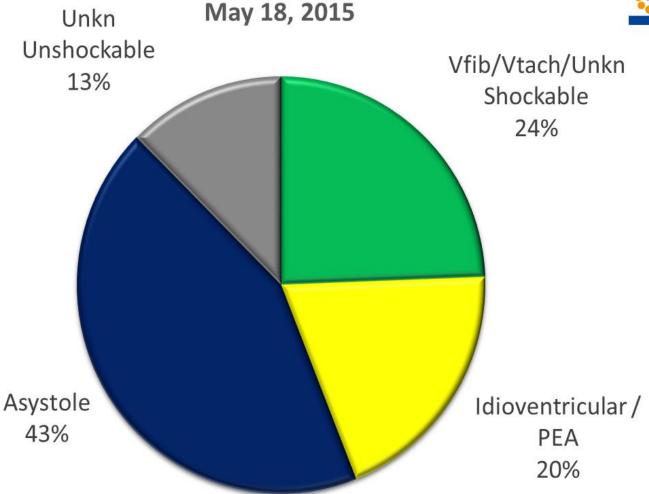




North Carolina CARES First Arrest Rhythm 2010-2014









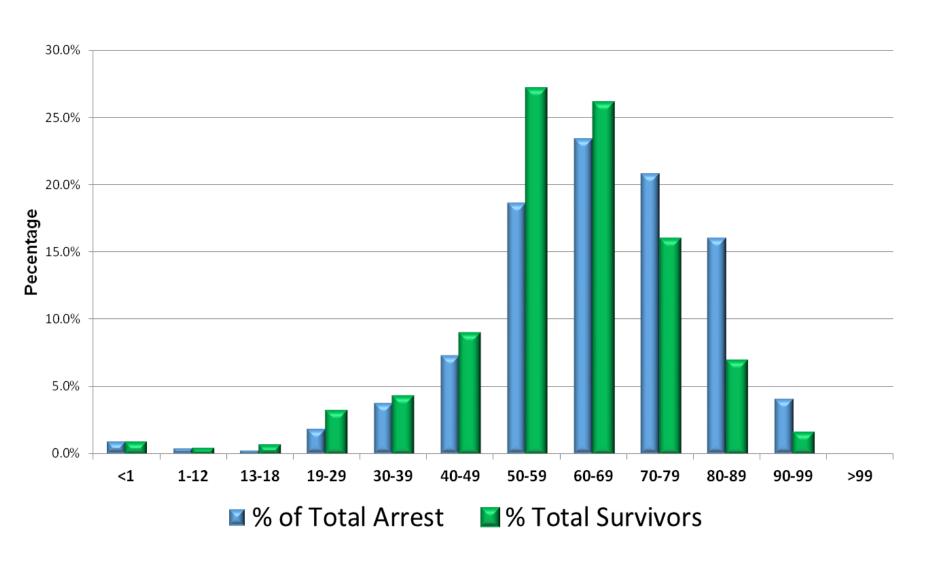
North Carolina CARES Percentage by Age Group 2010 - 2014



Every second counts. Every action matters.



April 20, 2015



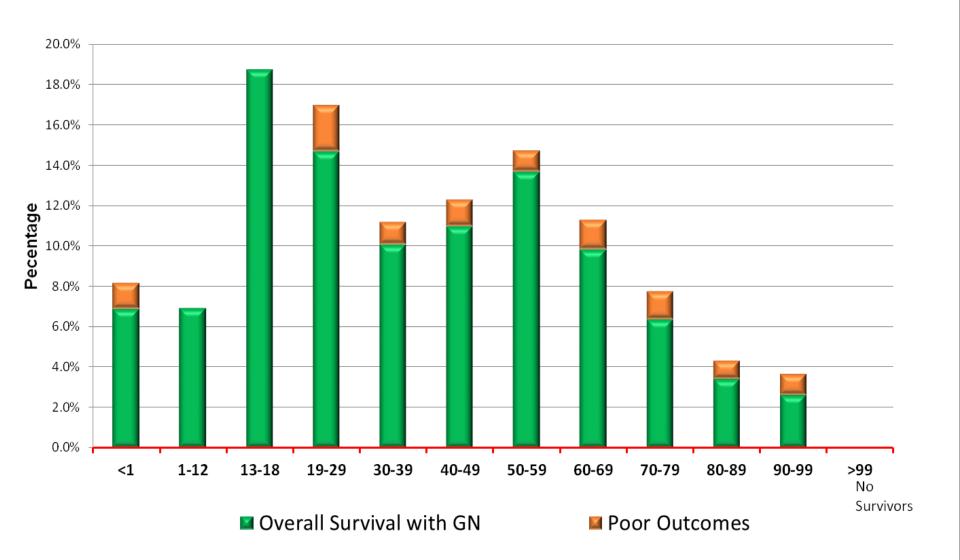


North Carolina CARES Survival Rate by Age Group 2010 - 2014











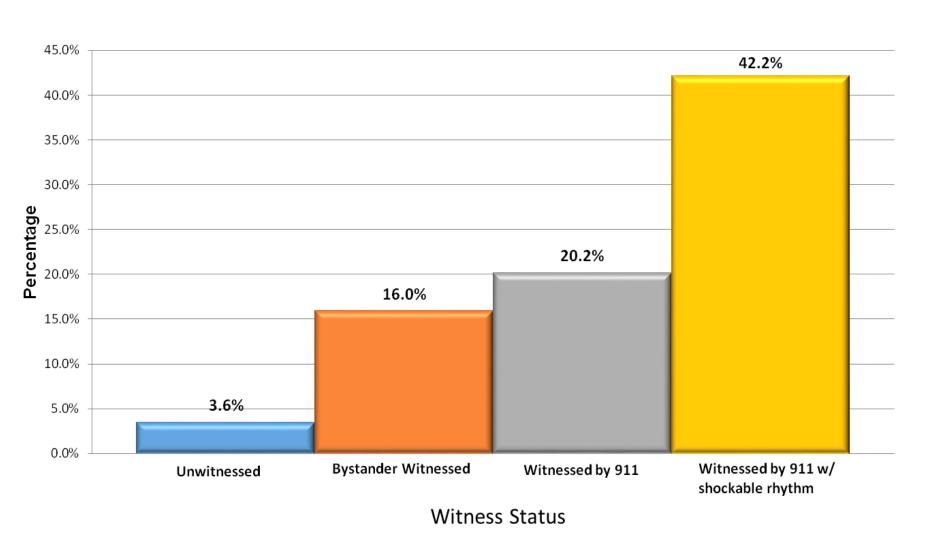
Overall Survival Rates

2010 - 2014

April 20, 2015









Overall Survival Rates

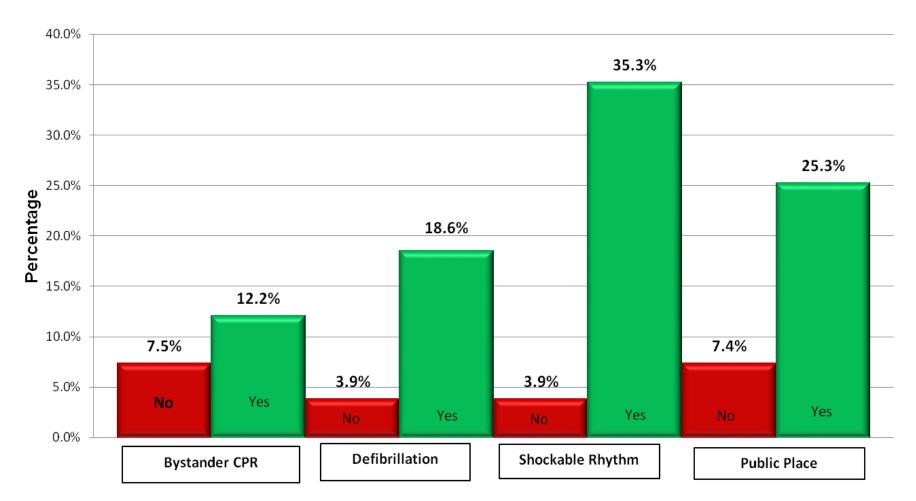
2010 - 2014

April 20, 2015



....





For arrests not in a Nursing Home or Health Care facility and not witnessed by 911 responder

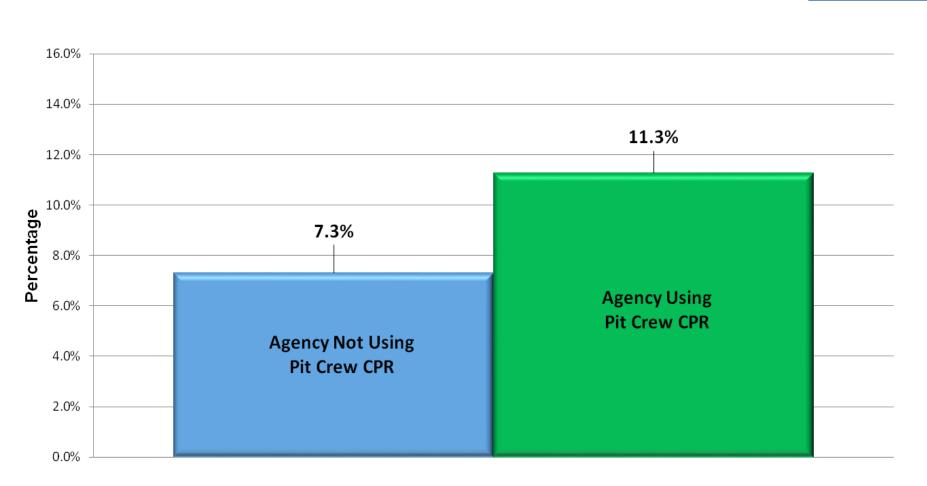


Overall Survival
Pit Crew vs No Pit Crew
2010 - 2014

May 27, 2015









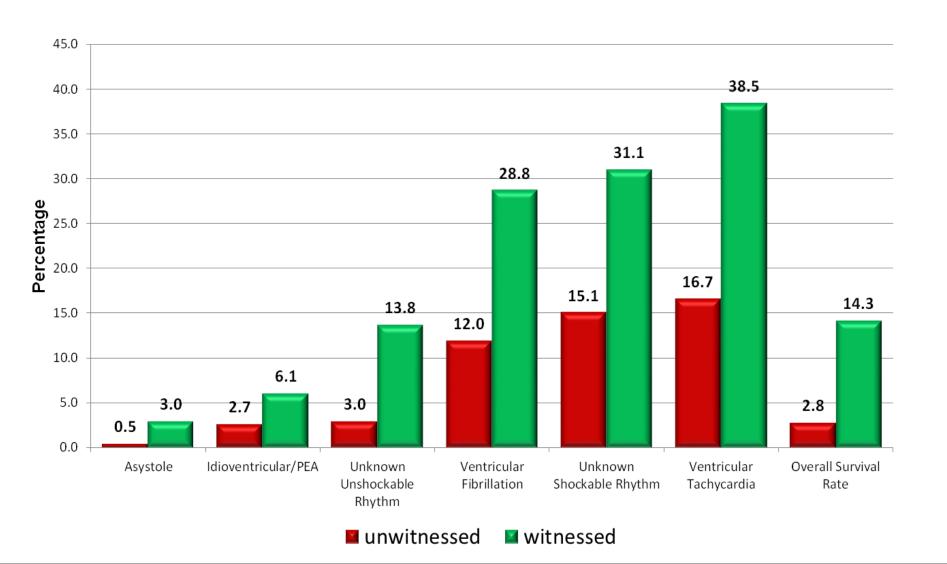
Survival Rates with Good Neurological Outcome by First Arrest Rhythm

2010 - 2014

May 27, 2015









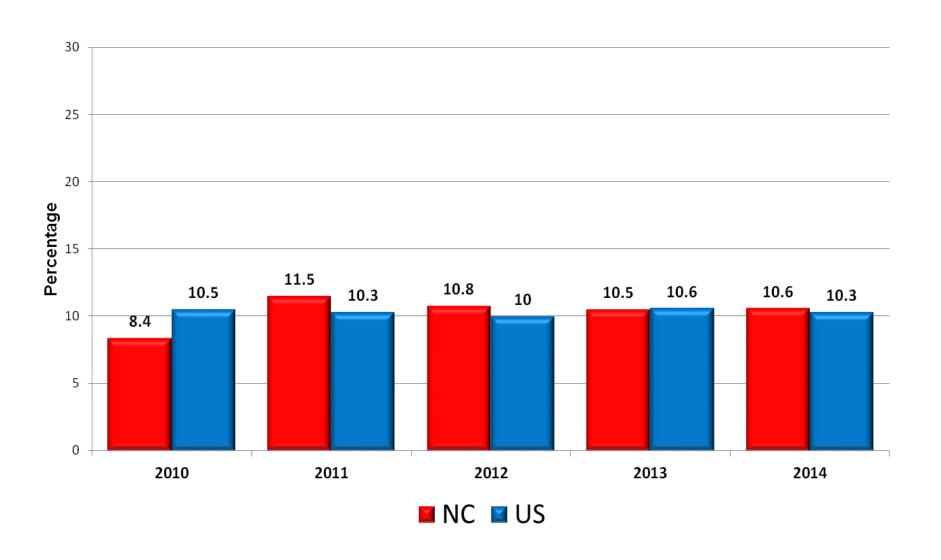
Overall Survival Rates

2010 - 2014

May 26th, 2015

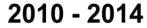








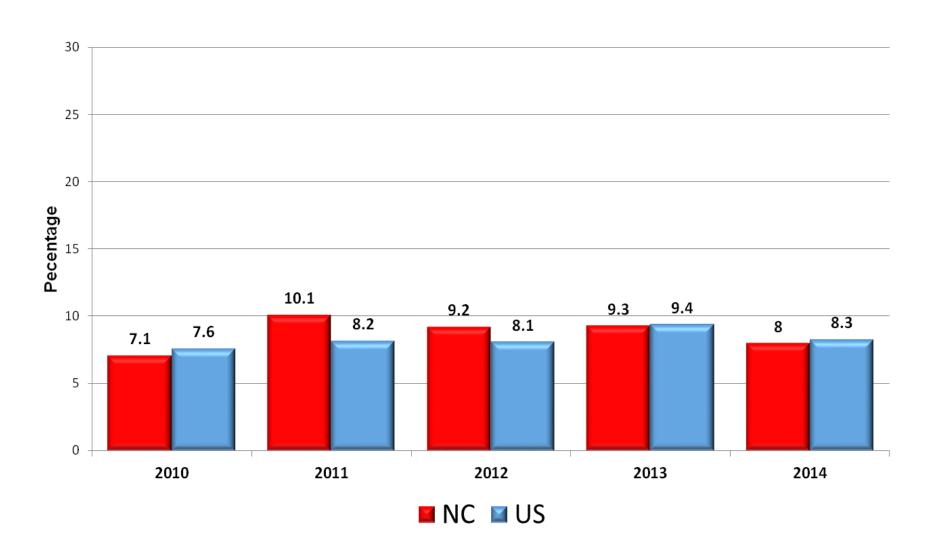
Overall Survival Rates with Good Neuro Outcome



April 20, 2015









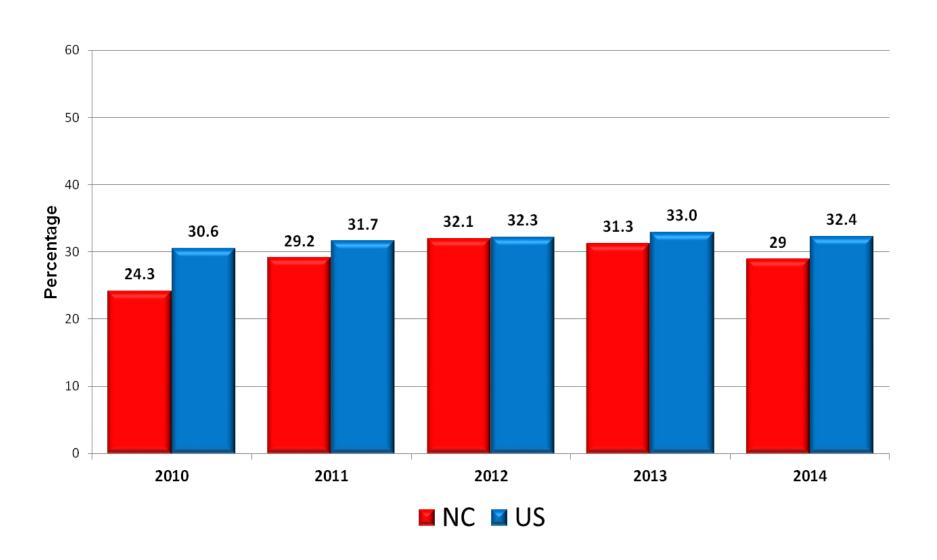
Utstein Survival Rates

2010 - 2014

May 26, 2015







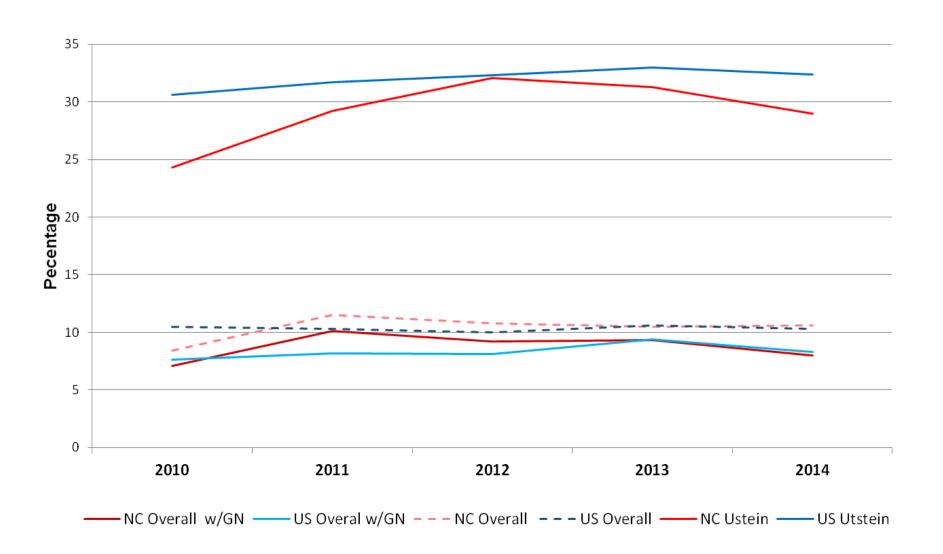


North Carolina CARES Survival Rates 2010 - 2014

May 26, 2015









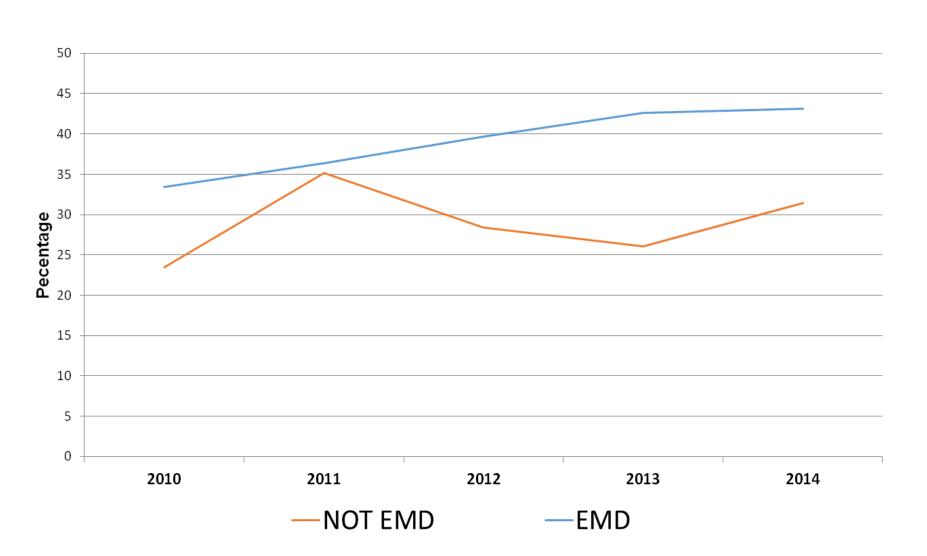
Bystander CPR Rates

2010 - 2014

April 20, 2015









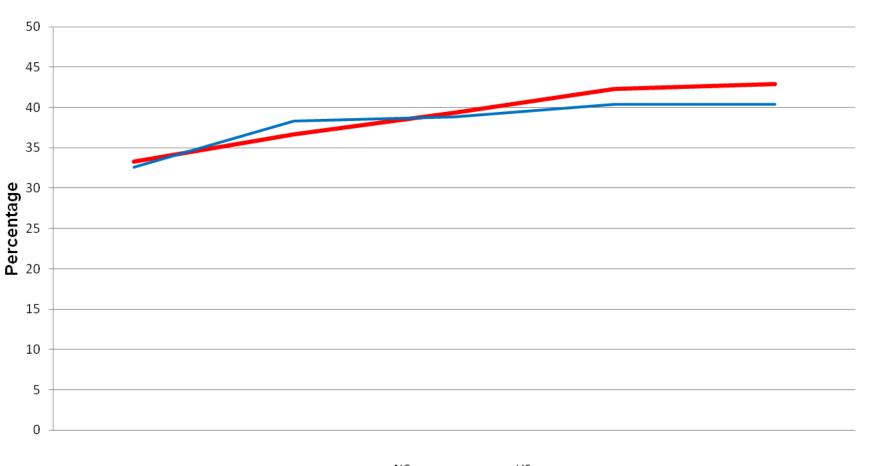
North Carolina CARES Bystander CPR Rates 2010 - 2014



Every second counts. Every action matters. $\,$



April 20, 2015





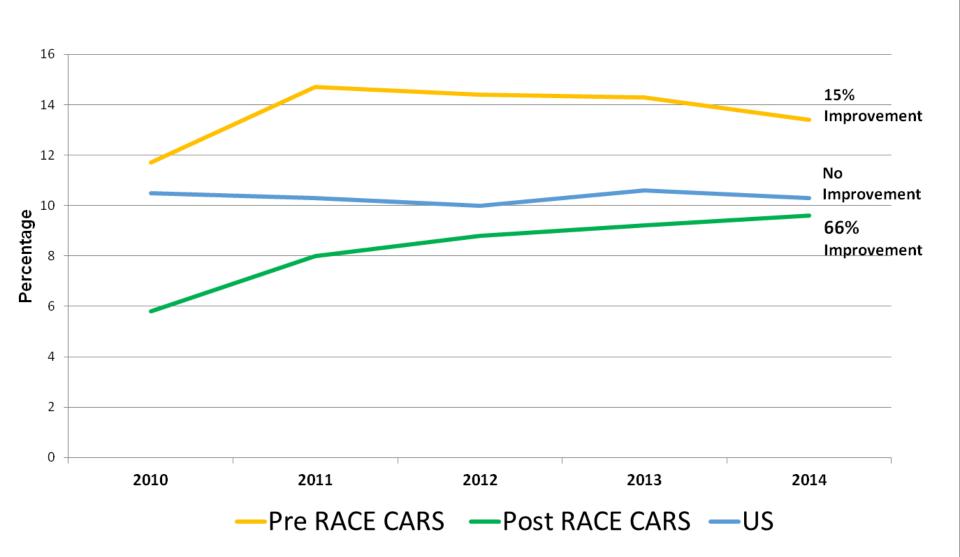
Overall Survival Rates

2010 - 2014

April 20, 2015









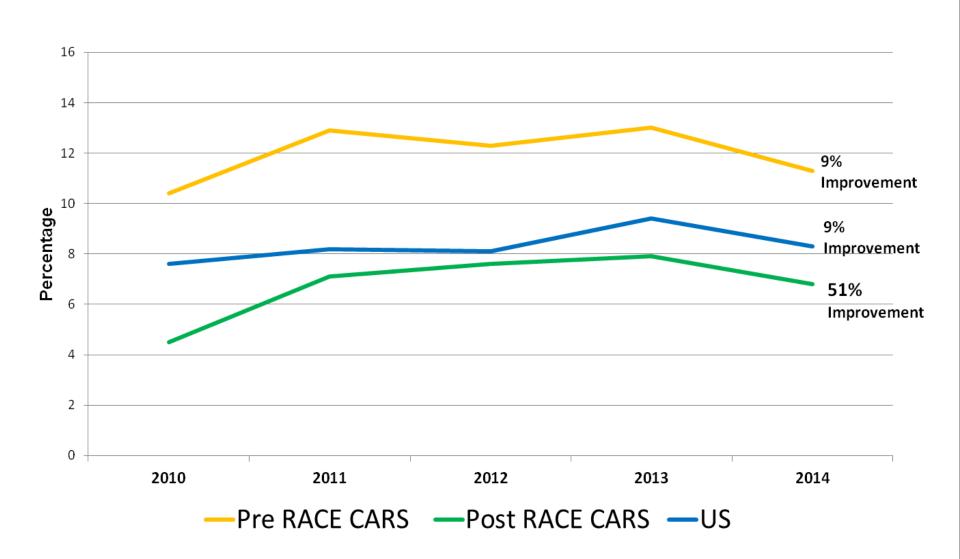
Overall Survival with Good Neurological Outcome

2010 - 2014

April 20, 2015







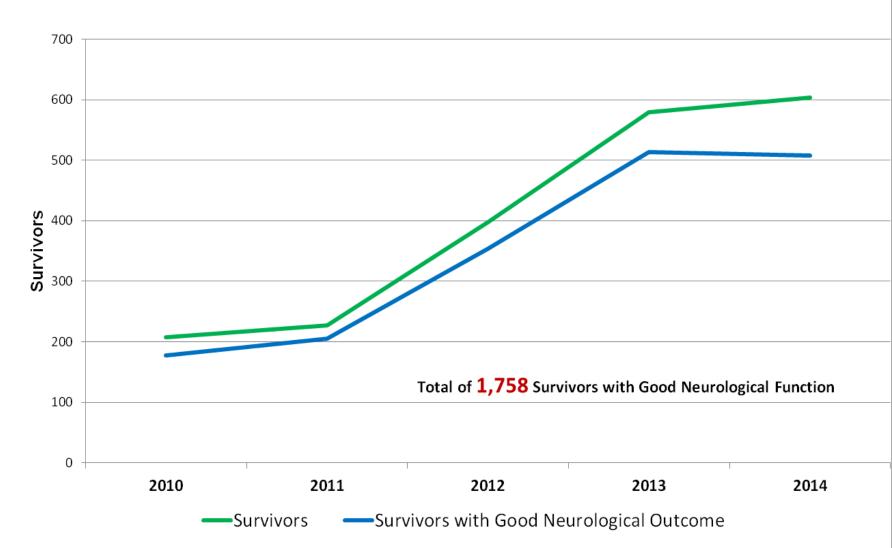


North Carolina CARES Survivors by Year

April 20, 2015

HeartRescue





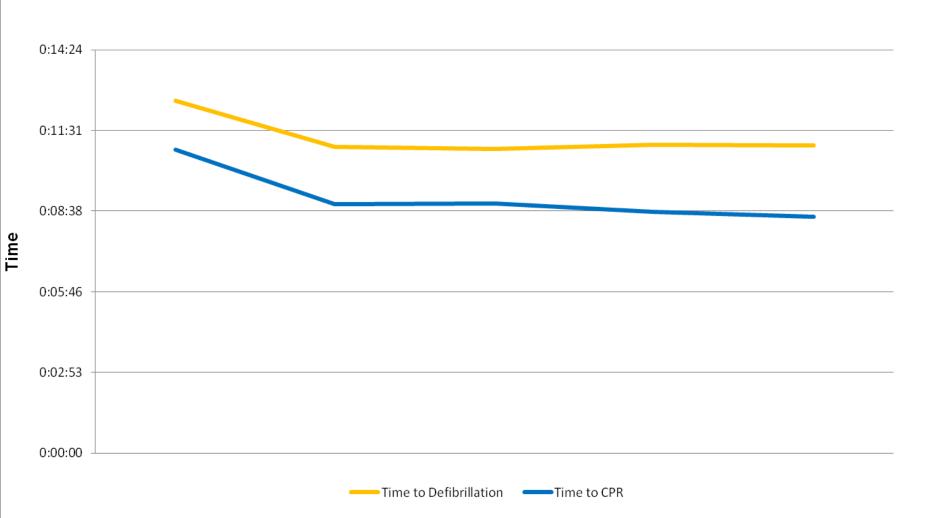


North Carolina CARES Time to Intervention 2010 - 2014 April 20, 2015



Every second counts. Every action matters. $\,$





For patients where arrest not witnessed by 911 For defibrillation only for those pts found in shockable rhythm

Agency Performance



Overall Survival Rates by Agency

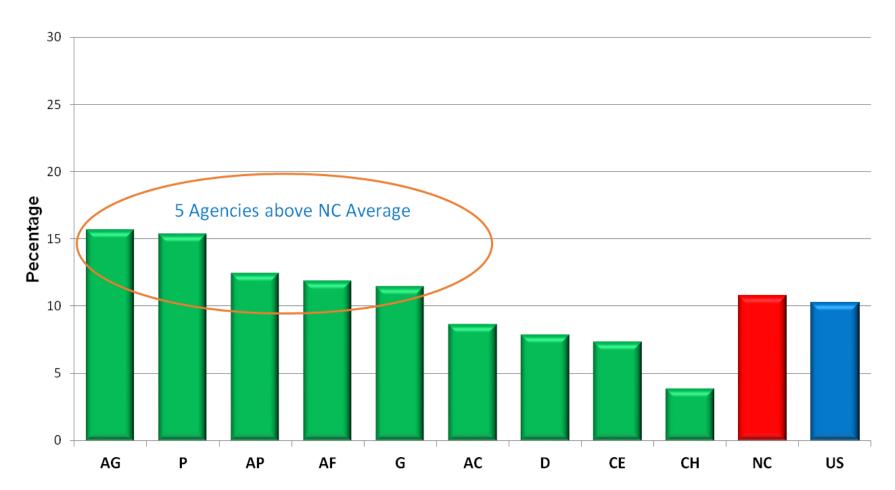
2014

May 22, 2015





Agencies serving Population > 200,000





Overall Survival Rates by Agency

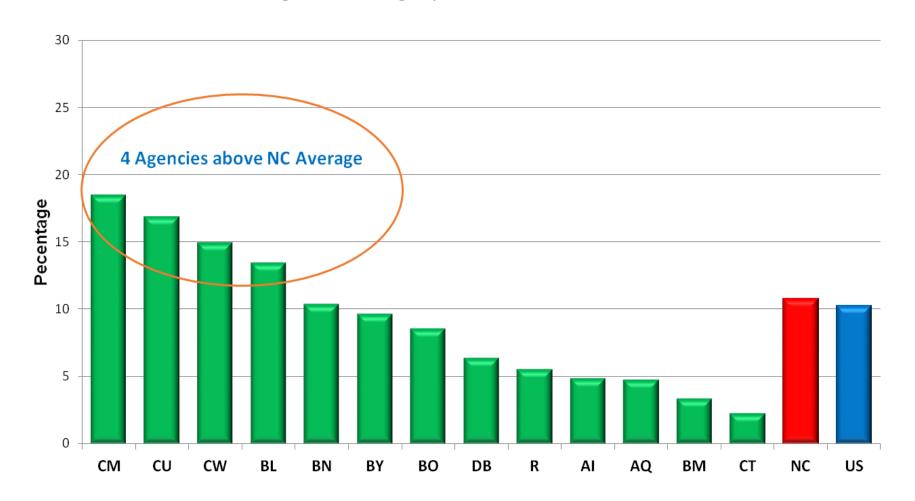
2014

May 22, 2015





Agencies Serving Population 100,000 - 200,000





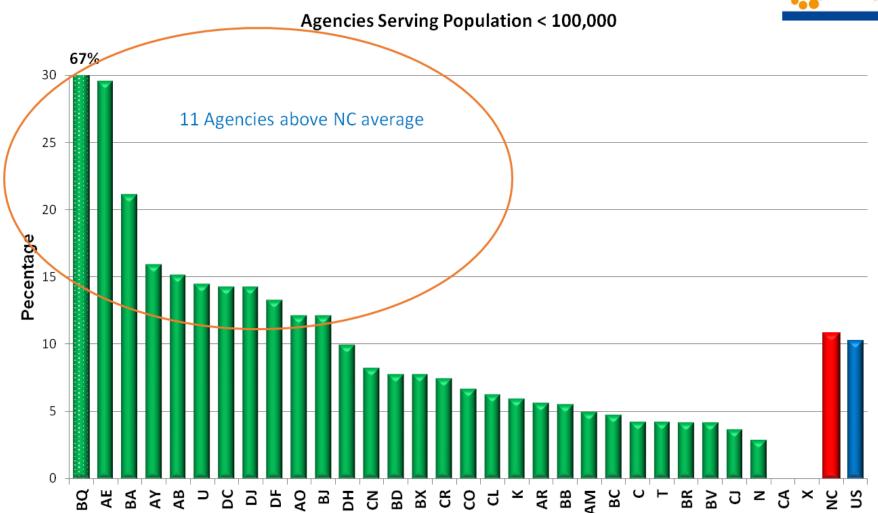
Overall Survival Rates by Agency

2014

May 22, 2015









Survival with Good Neurological by Agency



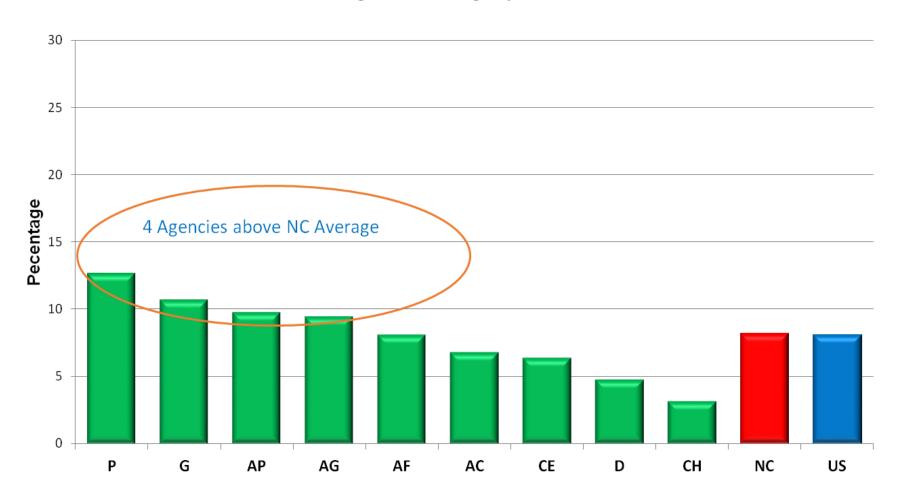
May 22, 2015



Every second counts. Every action matters. $\,$



Agencies serving Population > 200,000





Survival with Good Neurological by Agency

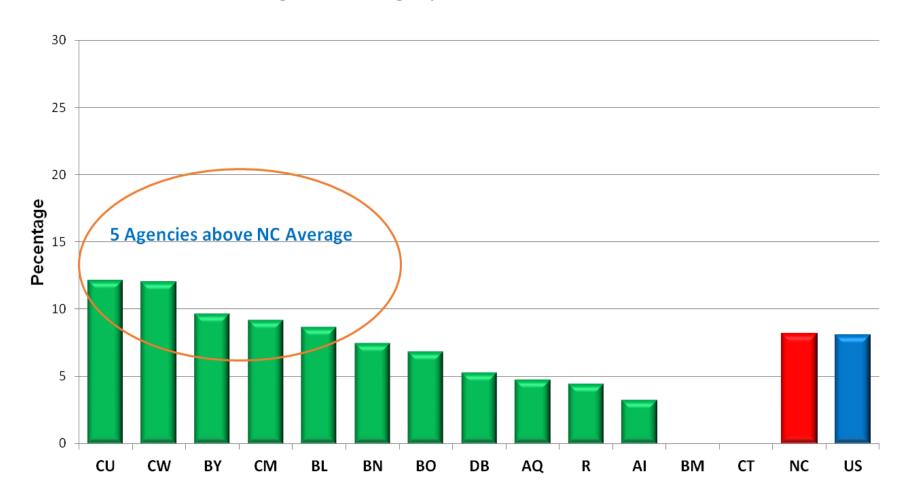
2014

May 22, 2015





Agencies Serving Population 100,000 - 200,000





Survival with Good Neurological by Agency

2014

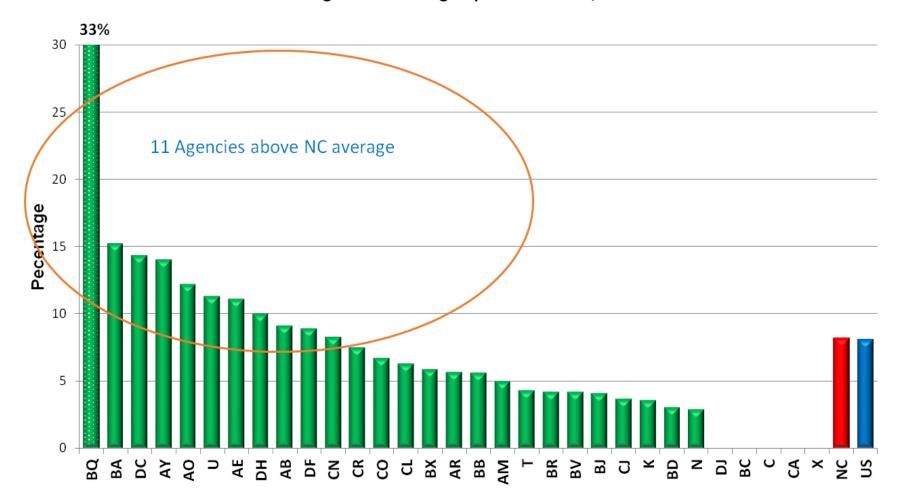
May 22, 2015



Every second counts. Every action matters.



Agencies Serving Population < 100,000





Utstein Survival by Agency

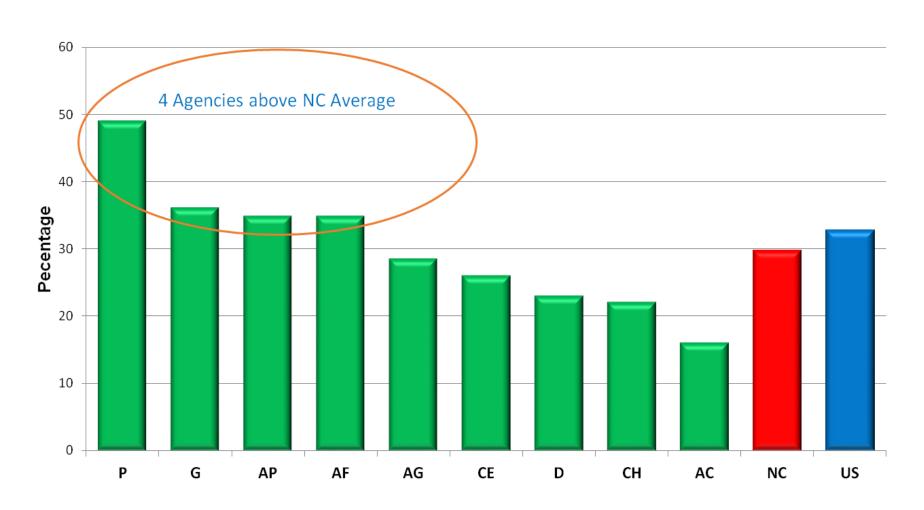
2014

May 22, 2015

Agencies serving Population > 200,000









Utstein Survival by Agency

2014

May 22, 2015

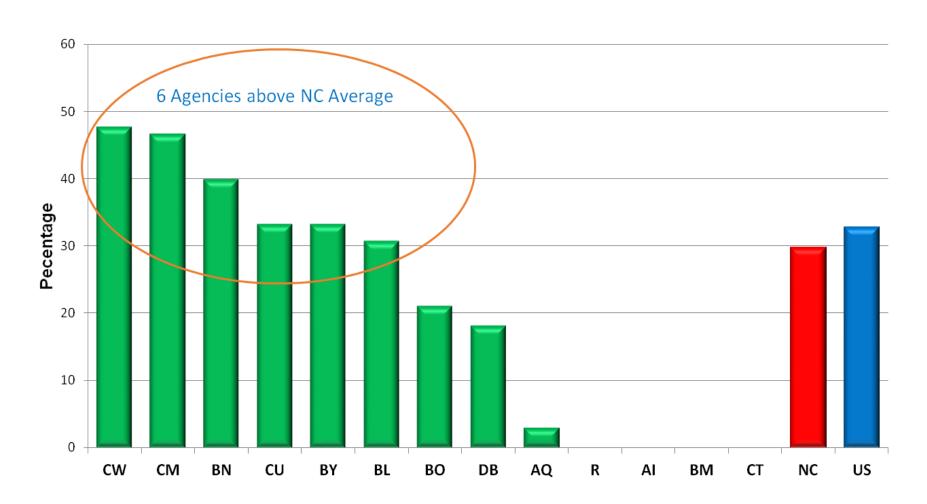
PROJECT

Every second counts. Every action matters.



HeartRescue

Agencies serving Population 100,000 - 200,000





Utstein Survival by Agency

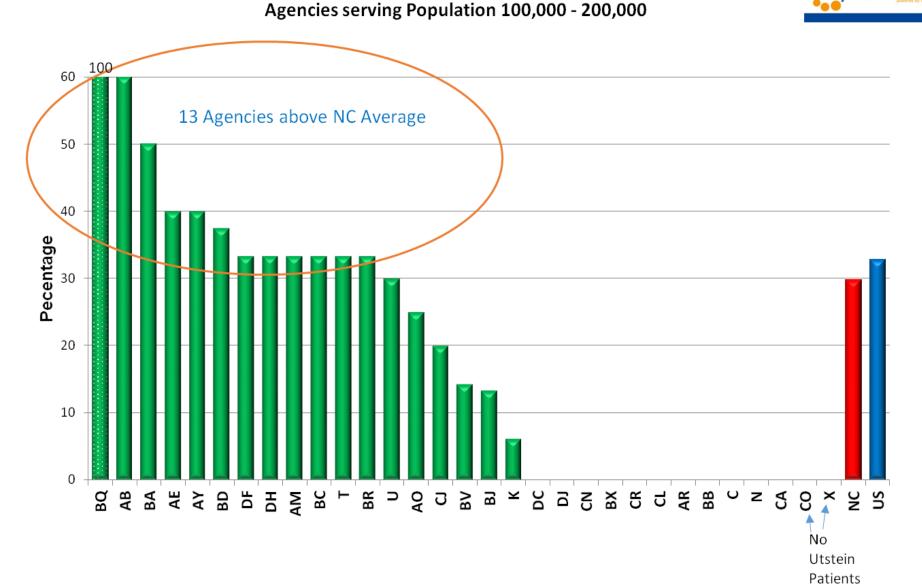
2014

May 22, 2015

...., __, __,



myCares.NET™





Bystander CPR Rates by Agency

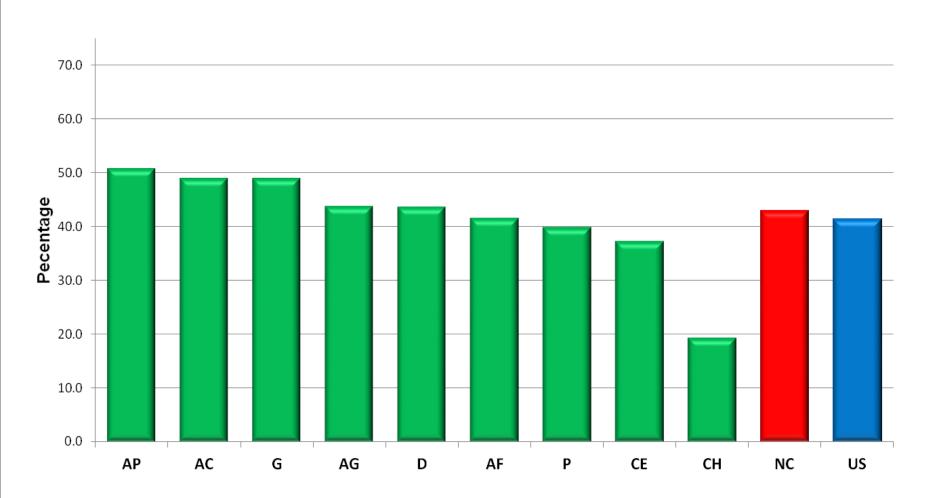
2014

May 22, 2015

Agencies Serving Population > 200,000









Bystander CPR Rates by Agency

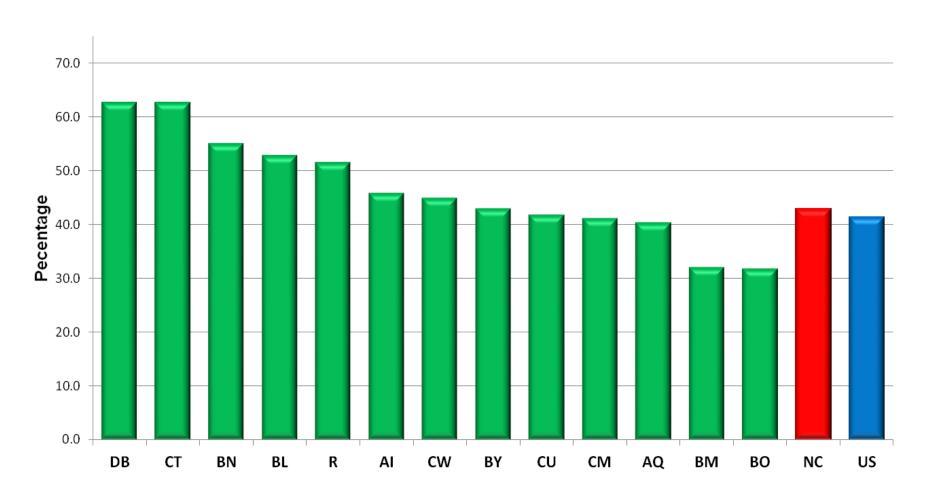
2014

May 22, 2015

Agencies Serving Population 100,000-200,000



myCares.NET[™]





Bystander CPR Rates by Agency

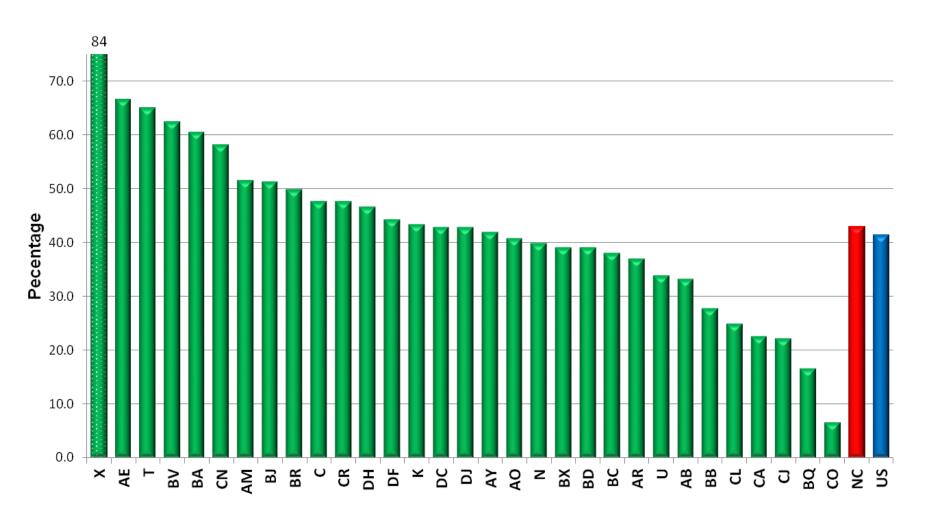
2014

May 22, 2015

Agencies Serving Population >100,000









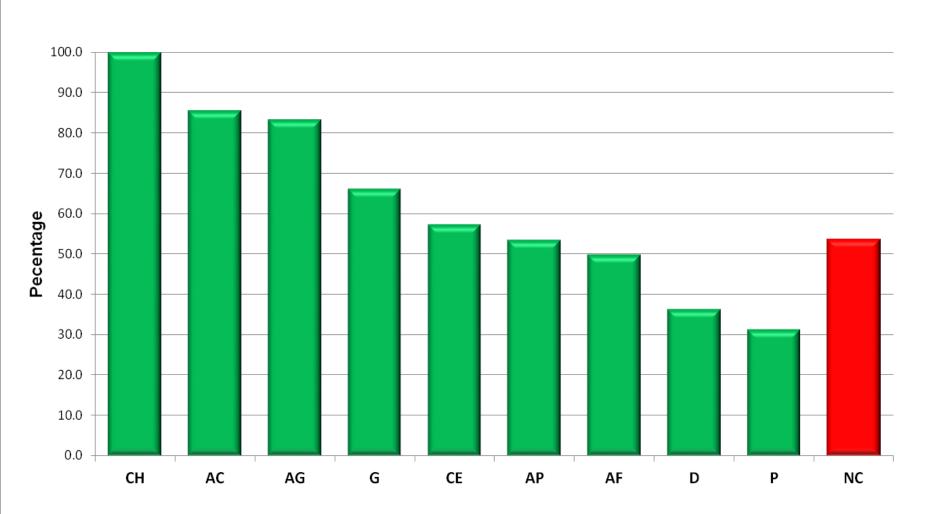
911 Recognition Rate of Cardiac Arrest **2014**

May 22, 2015

Agencies Serving Population > 200,000









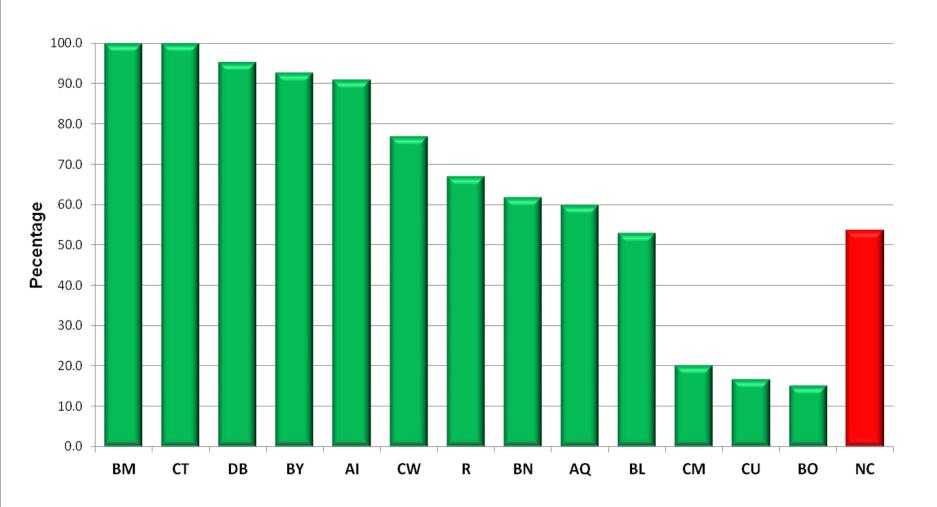
911 Recognition Rate of Cardiac Arrest 2014

May 22, 2015











911 Recognition Rate of Cardiac Arrest

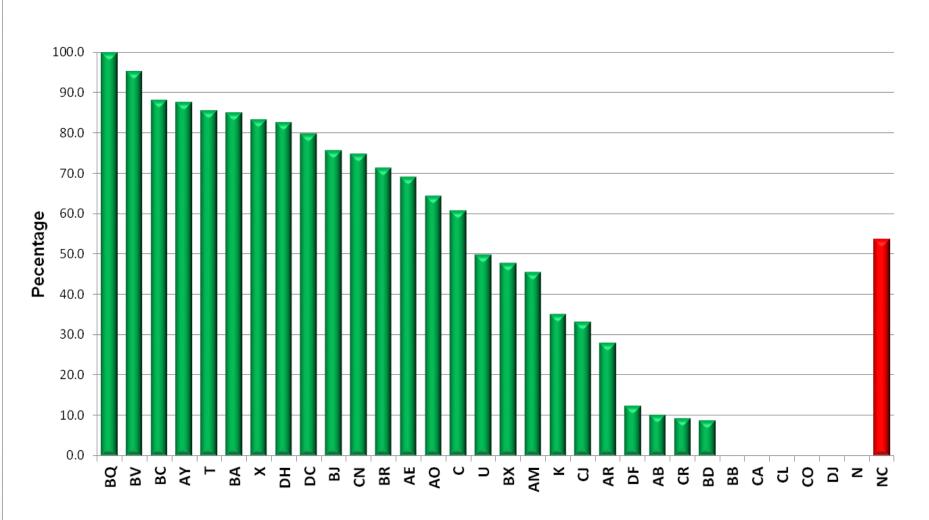


May 22, 2015

Agencies Serving Population >100,000









911 Dispatch Assisted CPR Rate

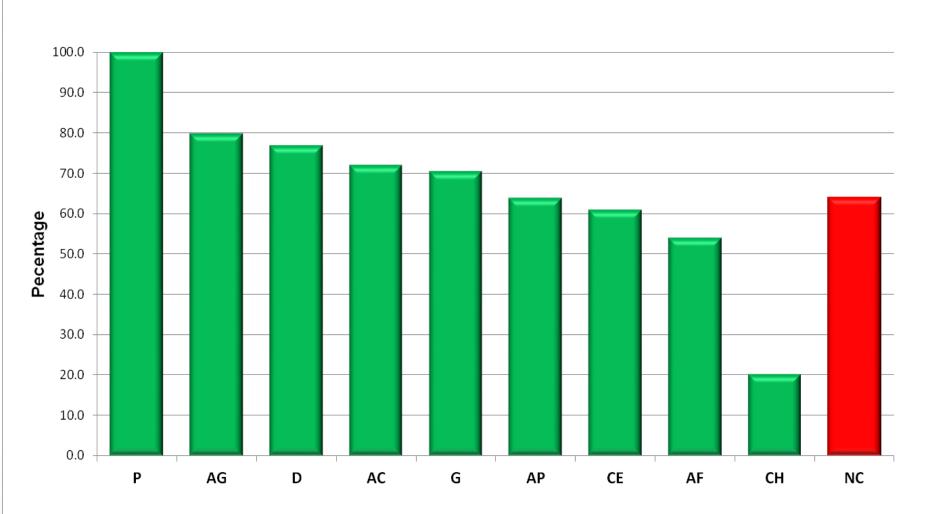
2014

May 22, 2015

Agencies Serving Population > 200,000









911 Dispatch Assisted CPR Rate

2014

May 22, 2015

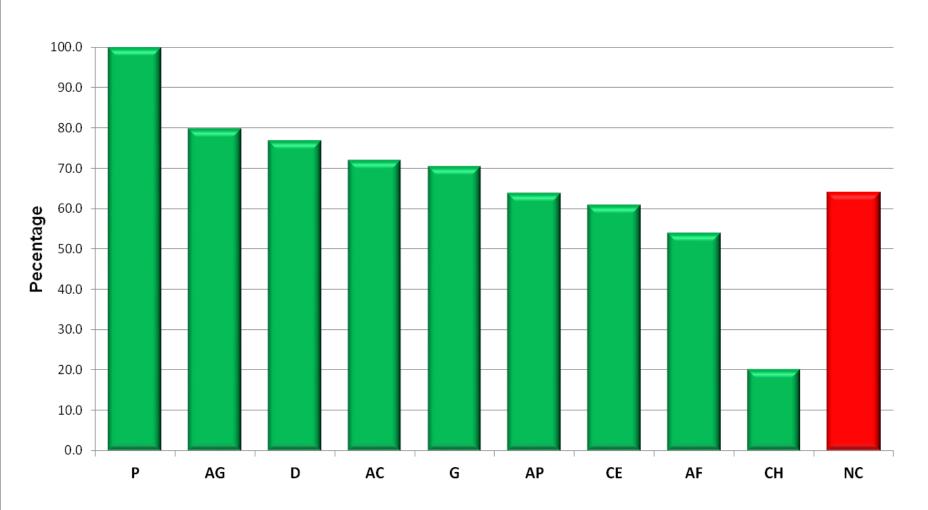
PROJECT

Every second counts. Every action matters.



HeartRescue

Agencies Serving Population > 200,000





911 Dispatch Assisted CPR Rate

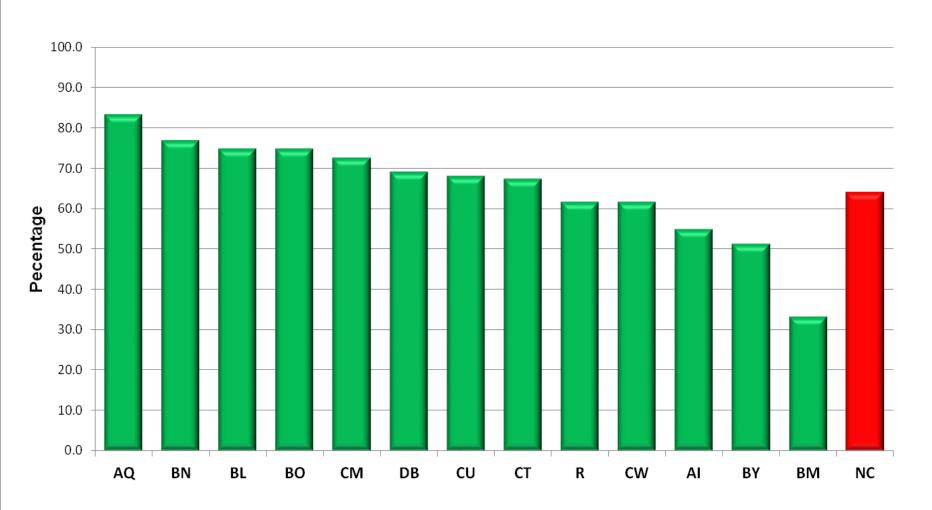
2014

May 22, 2015

Agencies Serving Population 100,000 - 200,000









911 Dispatch Assisted CPR Rate

2014

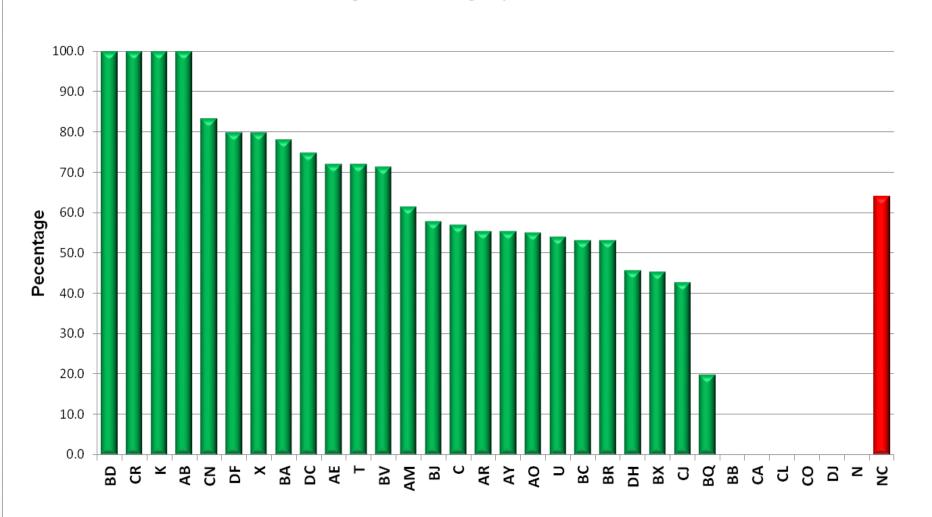
May 22, 2015



Every second counts. Every action matters.



Agencies Serving Population >100,000





Average Time to CPR

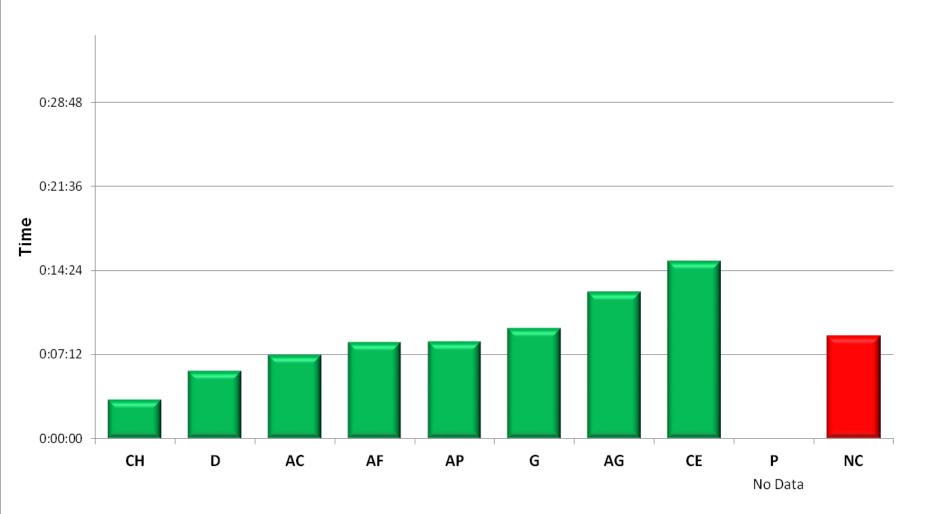
2014

May 22, 2015

Agencies Serving Population >200,000







For Arrests not witnessed by 911 responder



Average Time to CPR

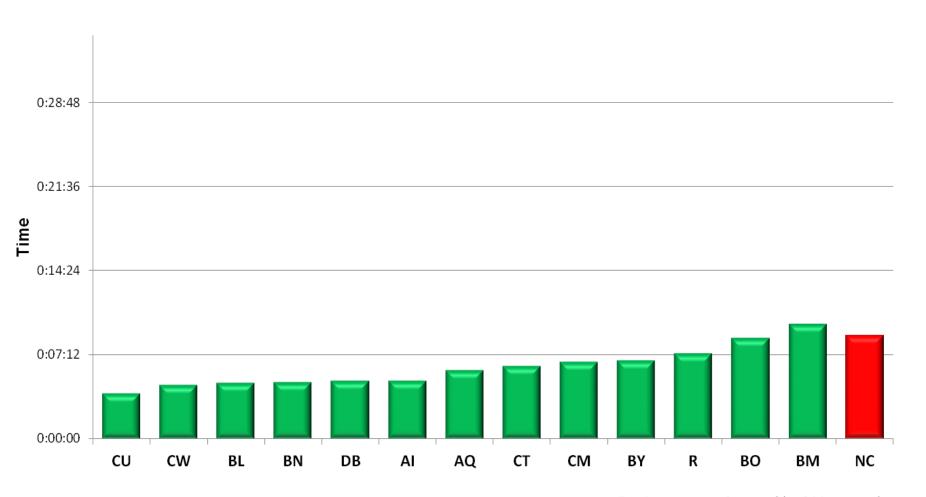
2014

May 22, 2015





Agencies Serving Population 100,000 - 200,000



For Arrests not witnessed by 911 responder



Average Time to CPR

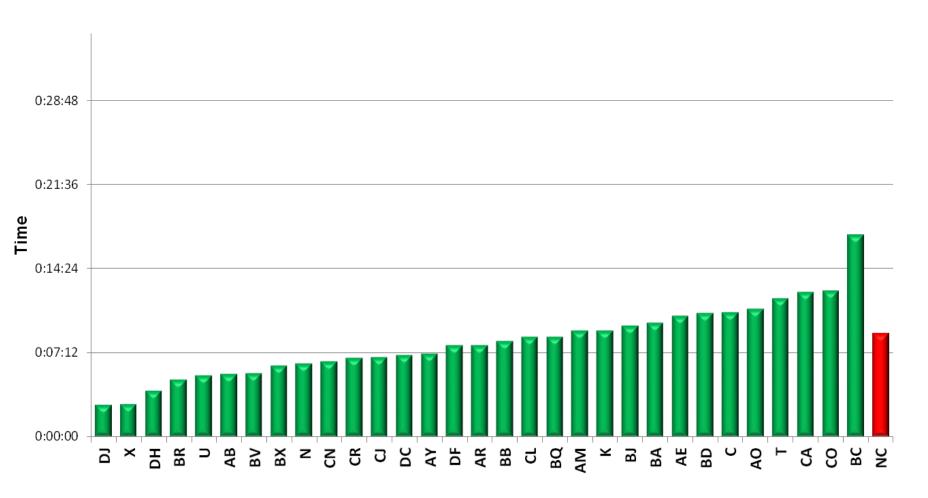
2014

May 22, 2015

HeartRescue
PROJECT
Every second counts. Every action matters.



Agencies Serving Population >100,000





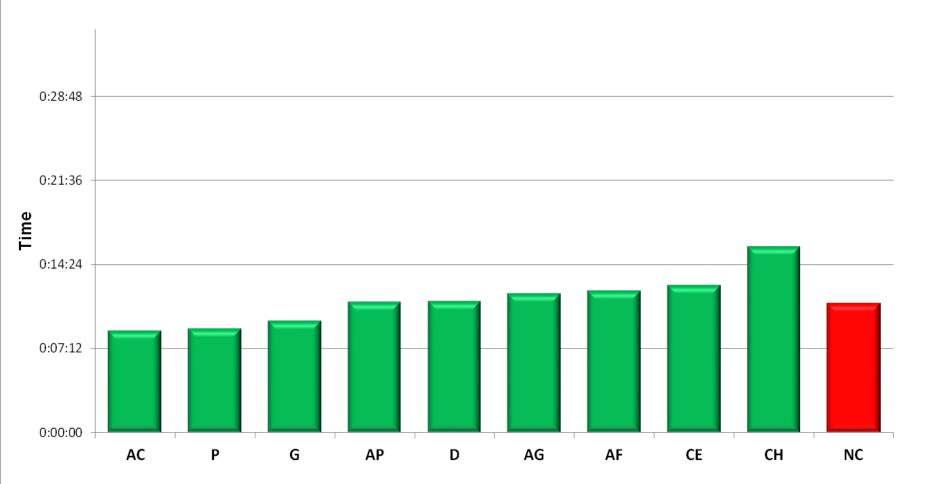
Average Time to First Defibrillation* **2014**

May 22, 2015

Agencies Serving Population >200,000







^{*} For patients presenting in shockable rhythm not witnessed by 911 responder



Average Time to First Defibrillation* **2014**

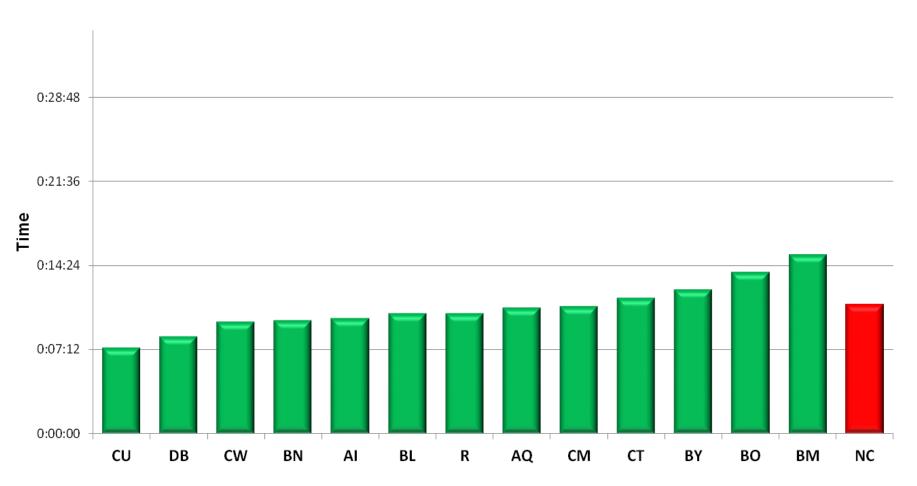


Every second counts. Every action matters.

May 22, 2015

Agencies Serving Population 100,000 - 200,000





* For patients presenting in shockable rhythm not witnessed by 911 responder



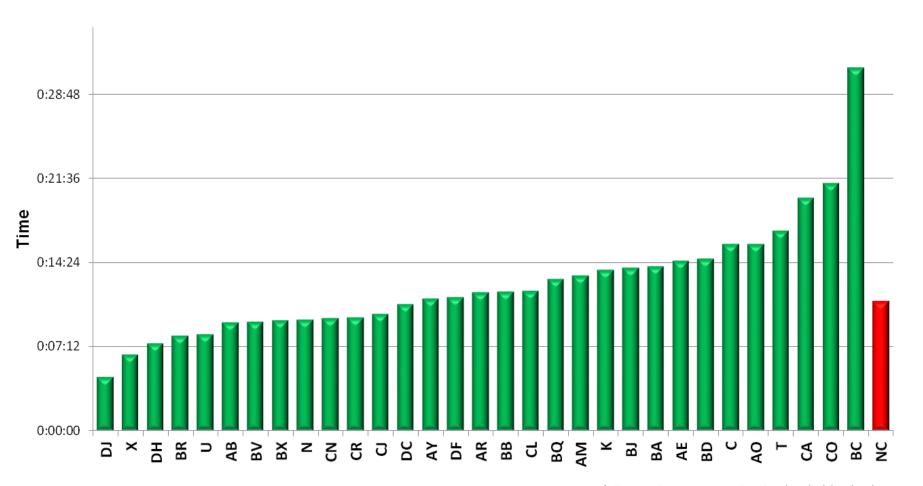
Average Time to First Defibrillation* **2014**

May 22, 2015

Agencies Serving Population <100,000







^{*} For patients presenting in shockable rhythm not witnessed by 911 responder



NC Numbers for 2014

- 93 hospitals participate in CARES
- 3665 NC ED admissions
- 1622 hospital admissions
- 661 patients discharged alive





Survival Rates

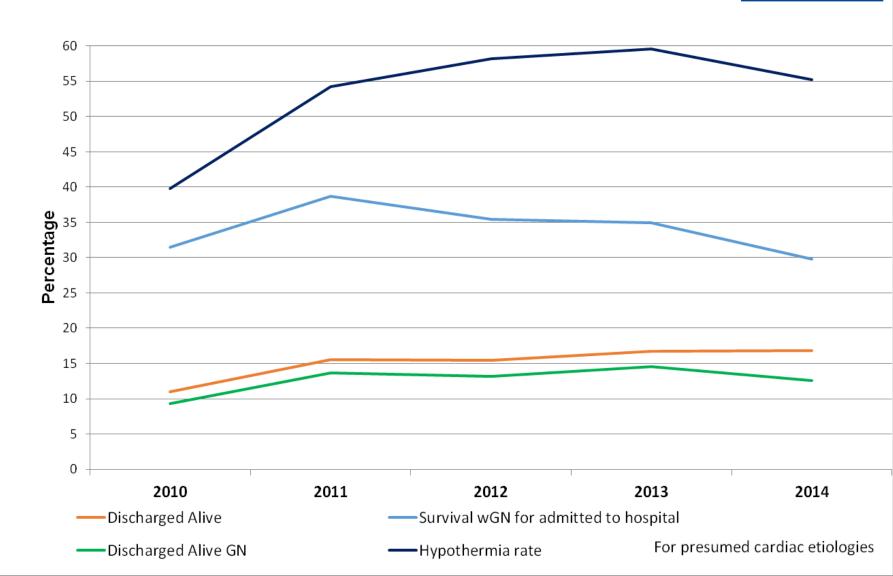
For PCI Hospital

2010 - 2014

May 28, 2015







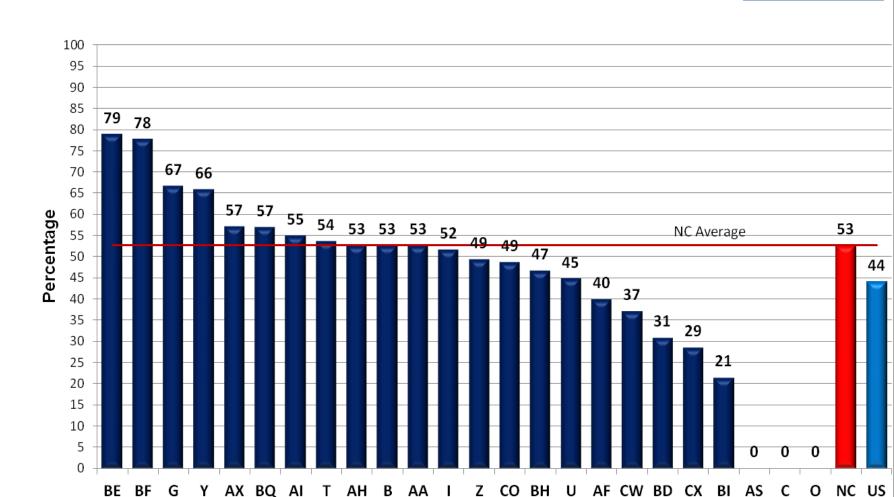


Hypothermia Provided % For PCI Hospitals **2014**

May 27, 2015





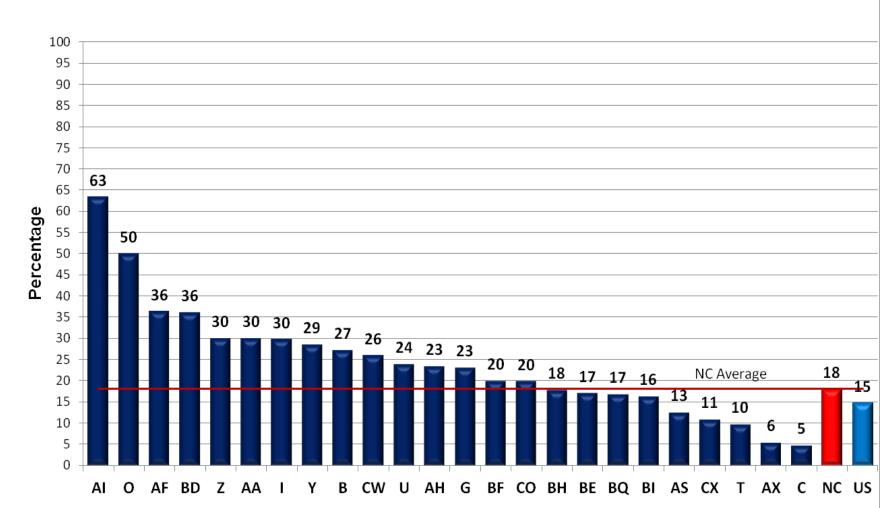




Overall Survival Rate For PCI Hospital **2014** May 27, 2015









Overall Survival Rate with Good Neurological

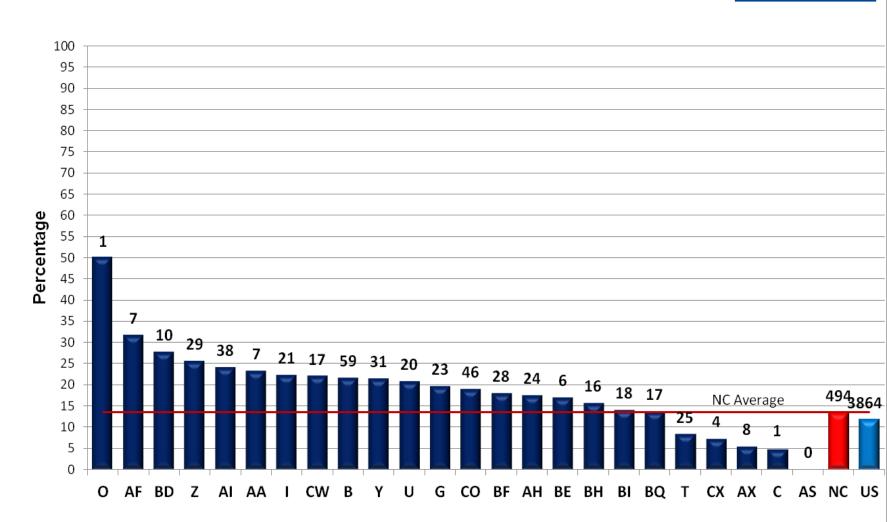
For PCI Hospital

2014

May 27,2015



myCares.NET



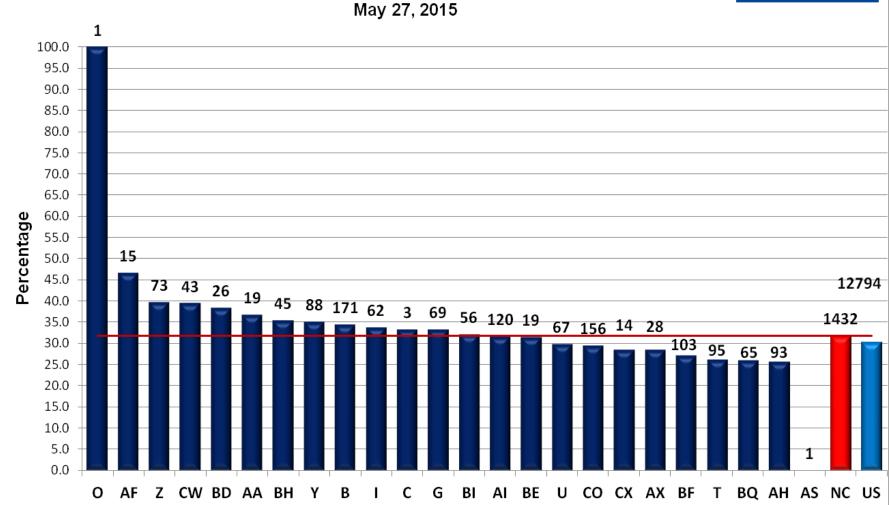


Survival Rate with Good Neurological for Patients Admitted to Hospital for PCI Hospitals





2014 lay 27, 201



Let's make NC the best place in the country to have a heart attack or a cardiac arrest!





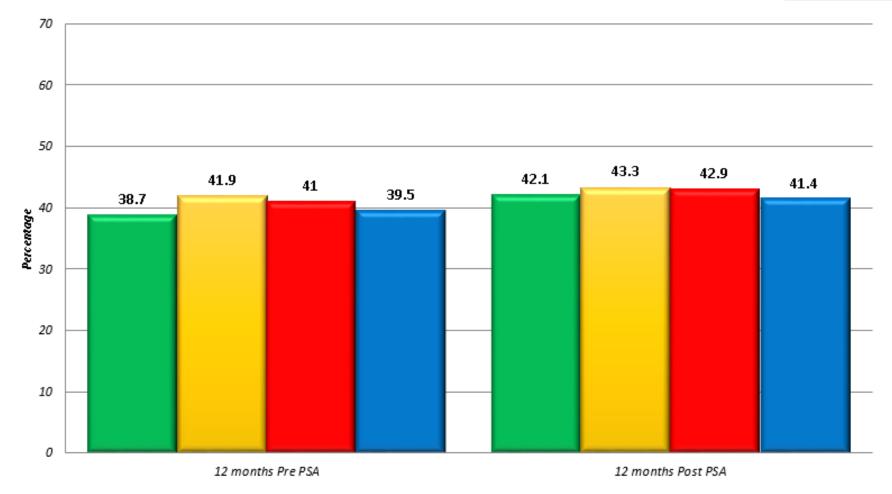


RACE CARS Movie PSA Results Bystander CPR Rates April 30, 2014

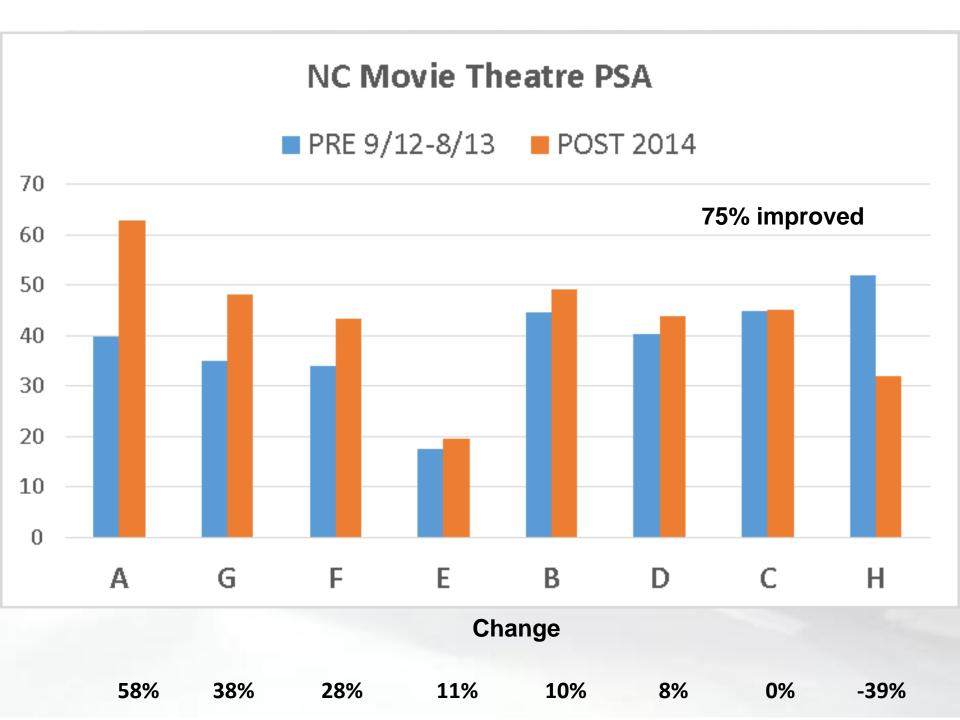








PSA Group Improvement 8.73% p=0.05938





Utstein Survival

2010 - 2014

July 8, 2015





