Regional Approach to Cardiovascular Emergencies Cardiac Arrest Resuscitation System

2012 CARES Data

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Estimated Cardiac Arrest 2012: 7189

Estimated Survivors Overall 2012 755

A 1% change in overall survival = 72 lives

Extrapolated from 2012 CARES Data based upon population reporting per month.

Demographics



Age	NC	US
Median	65	65
Gender		
Female	39%	39%
Males	61%	61%
Race		
African-American	30%	21%
White	65%	44%
Unknown	3%	26%
Location		
Home	70%	70%
Nursing Home	12%	12%
Public/Commercial Bldg.	7%	7%
Street / Highway	3%	5%
Witnessed		
Witnessed	54%	49%
Unwitnessed	46%	51%

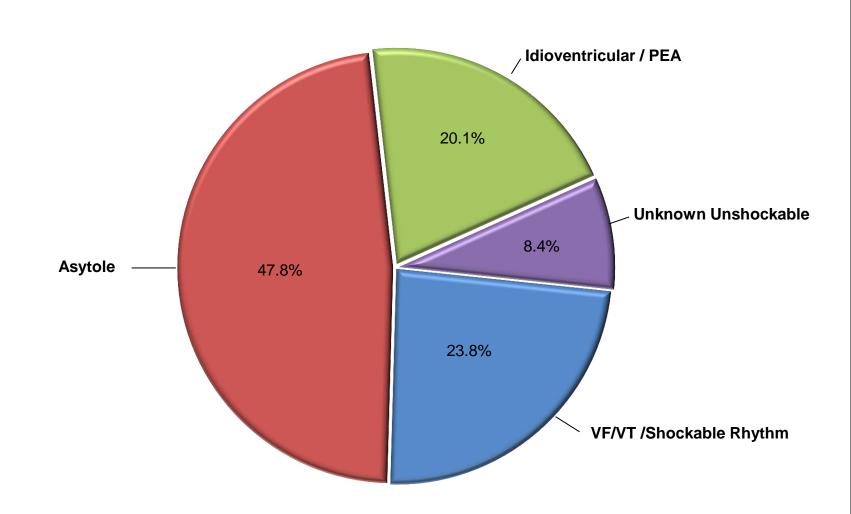


North Carolina CARES Initial Rhythm NC 2012 May 29, 2013



Every second counts. Every action matters.





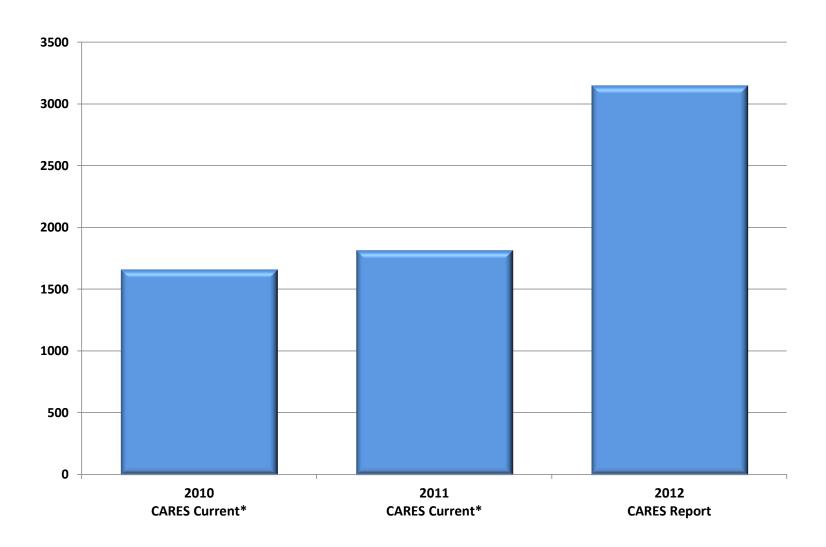


North Carolina CARES CARES Volume 2010 - 2012 May 23, 2013



ry second counts. Every action matters.







Measuring Survival



Overall

Cardiac Etiology

Utstein

- Cardiac Etiology
- Witnessed Arrest
- Found in V-fib / V-tach rhythm

Must compare apples to apples

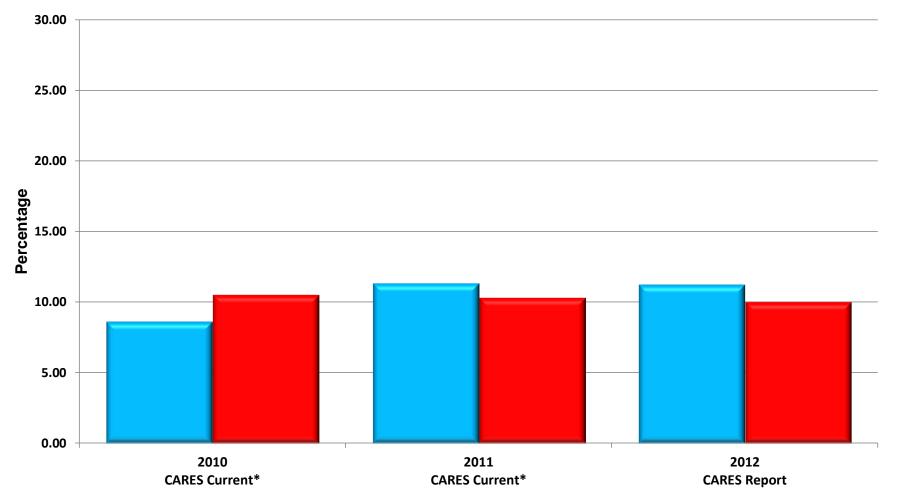


North Carolina CARES Overall Survival 2010 - 2012 May 23, 2013







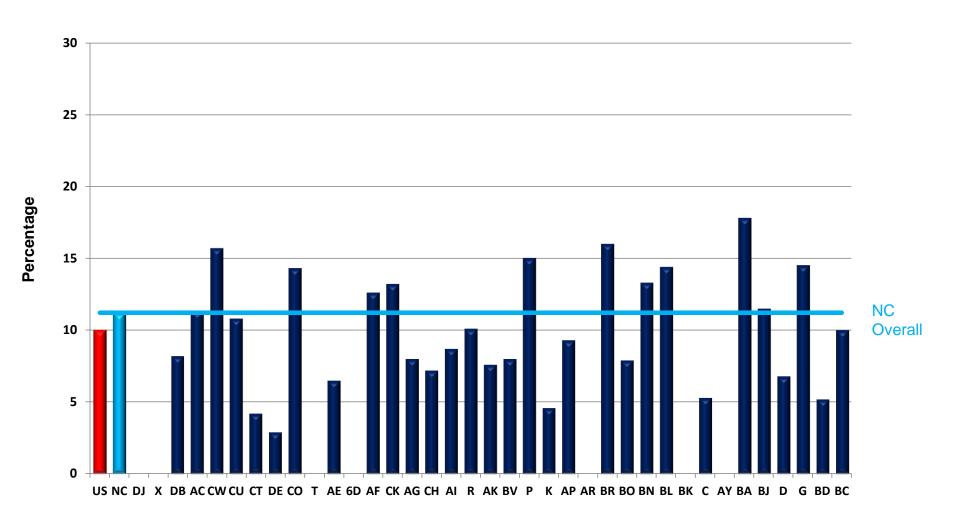




North Carolina CARES Overall Survival 2012 April 24, 2013









North Carolina CARES Overall Survival with

Good Neurological Outcome

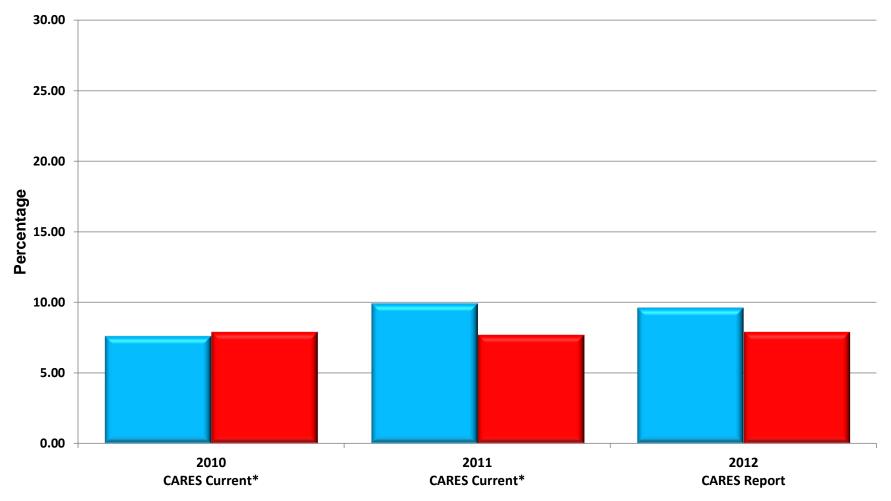
2010 - 2012

May 23, 2013





■ NC Overall w/ Good Neuro
■ US Overall w/ Good Neuro

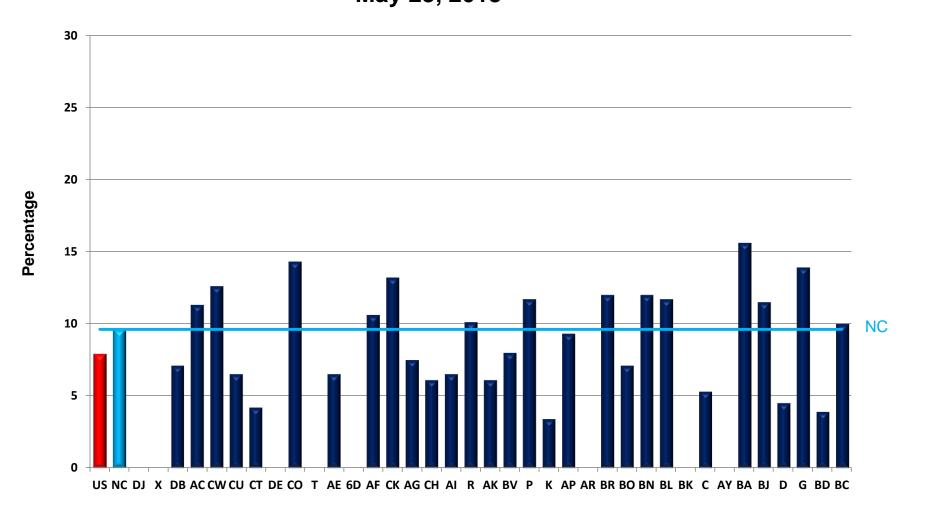




North Carolina CARES Overall Survival with Good Neurological Outcome 2012 May 23, 2013







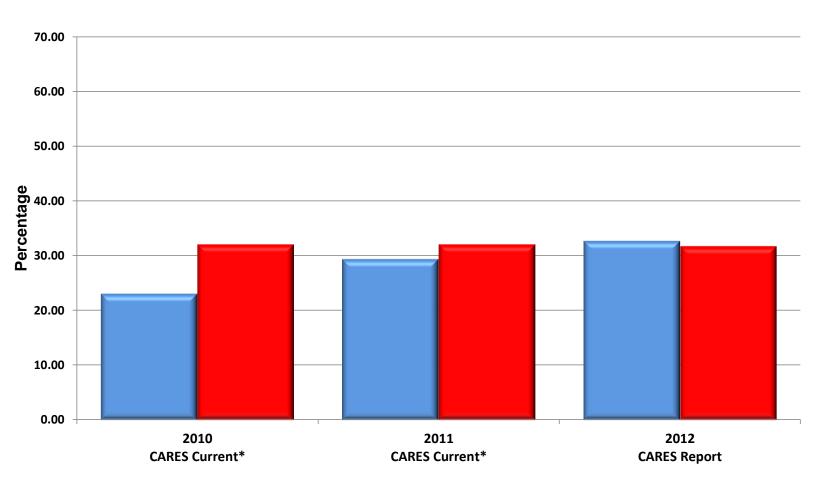


North Carolina CARES Utstein* Survival Rate 2010 - 2012 May 23, 2013





■ NC Utstein
■ US Utstein

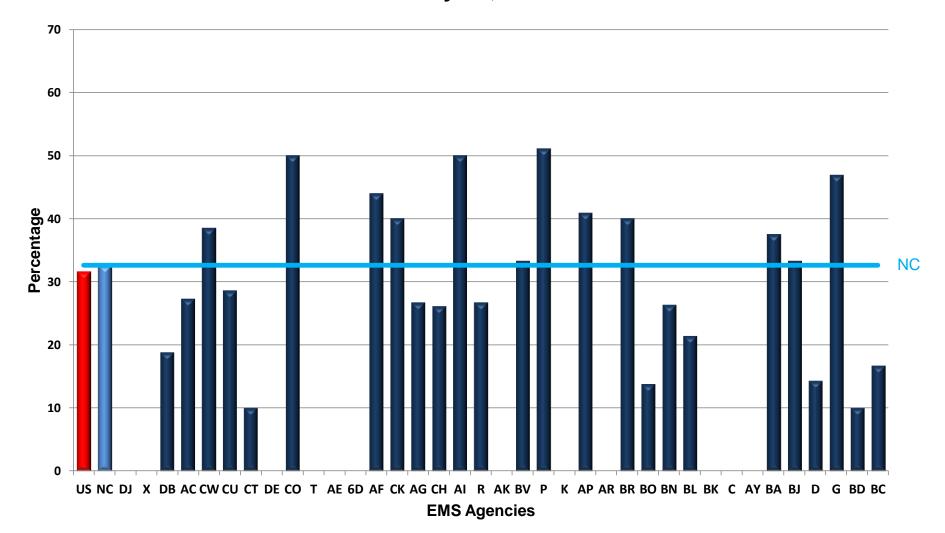




North Carolina CARES Utstein* Survival Rate 2012 May 23, 2013









North Carolina CARES Overall Survival vs Utstein Survival Rates 2010 - 2013

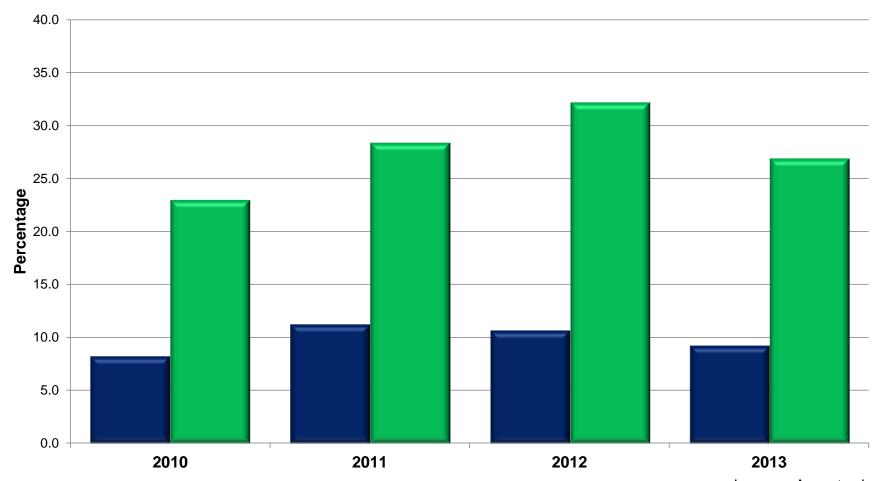
PROJECT Every second counts. Every action matters.

HeartRescue

November 27, 2013

■ Overall Survival Rate ■ Utstein







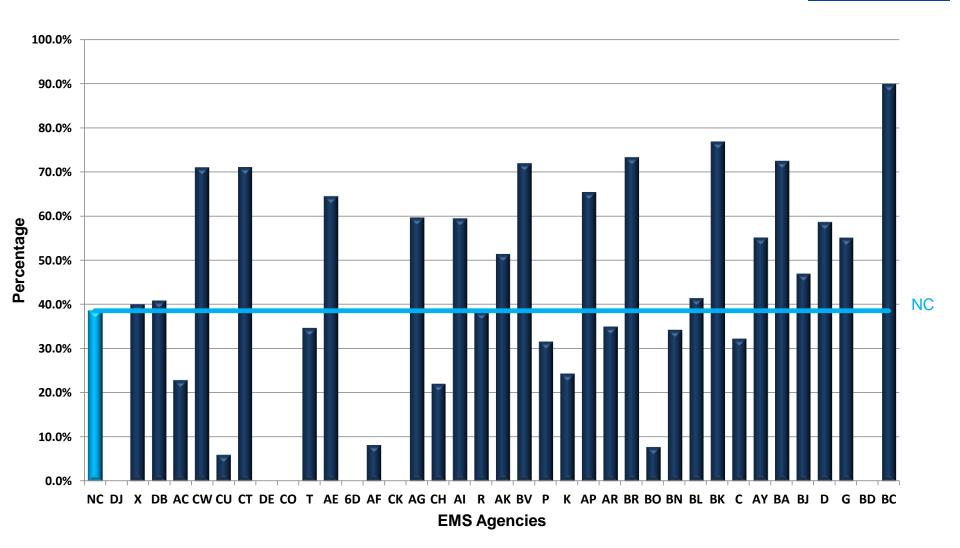


North Carolina CARES Dispatch CPR Instructions Given 2012 May 29, 2013



Every second counts. Every action matters.





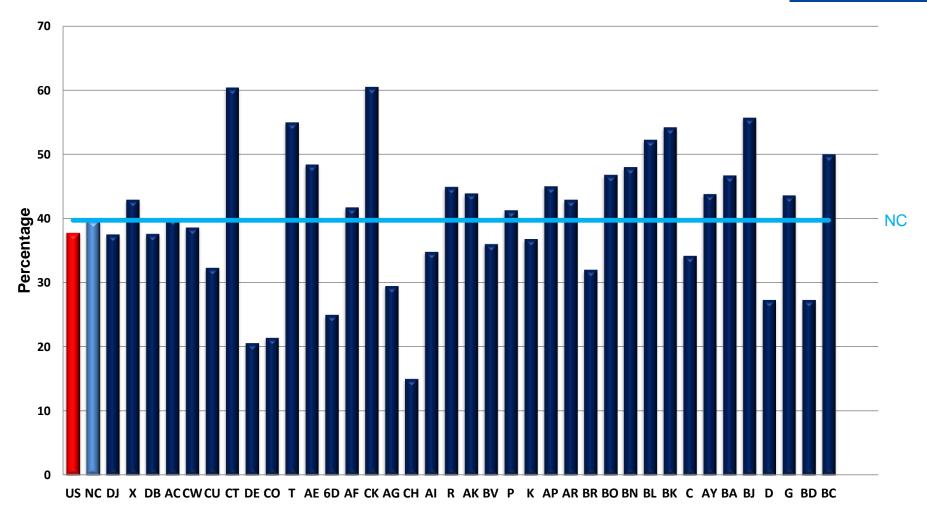


North Carolina CARES Bystander CPR Rates 2012 April 24, 2013



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





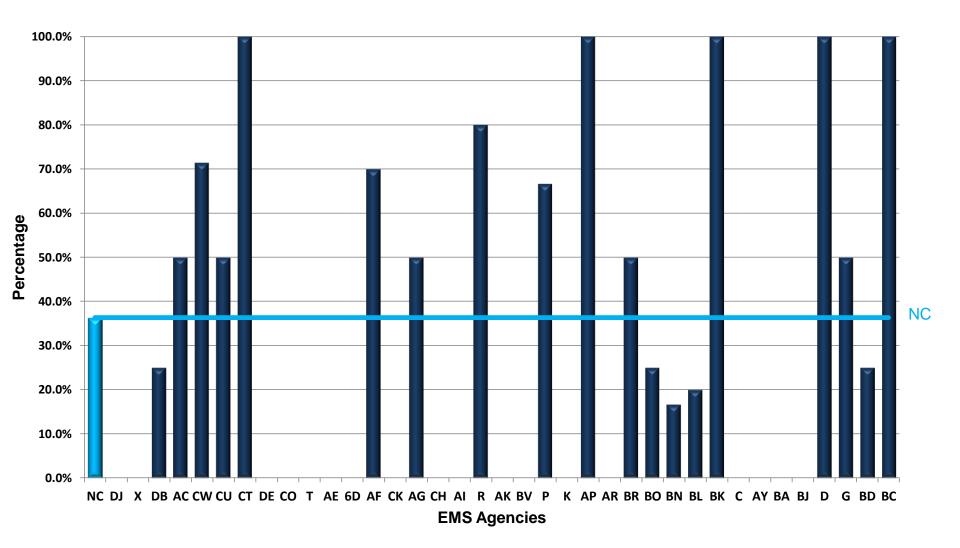


North Carolina CARES By-Stander CPR Rate in Public Places* 2012 May 29, 2013



Every second counts. Every action matters.





^{*} Location Types Public/Commercial, Industrial, Recreation & Transportation

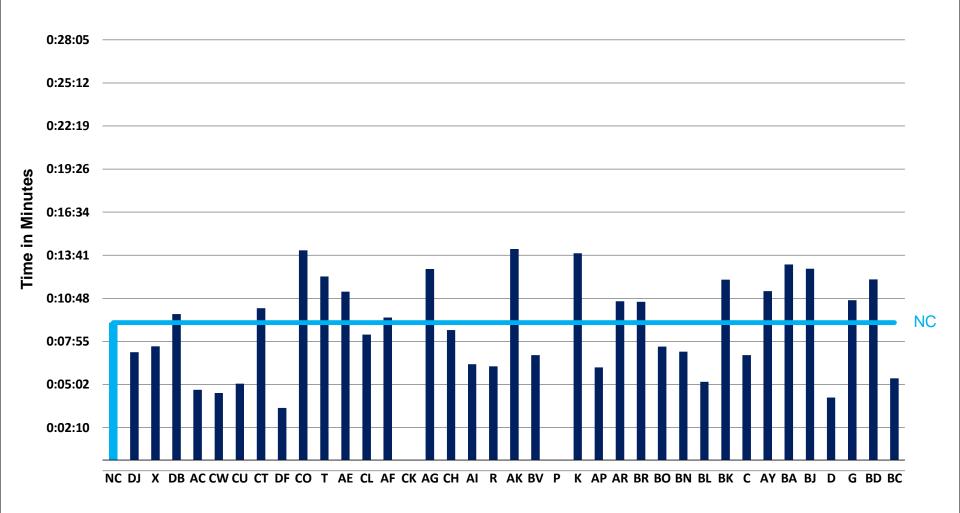


North Carolina CARES Mean Time to CPR* 2012 May 24, 2013



Every second counts. Every action matters.



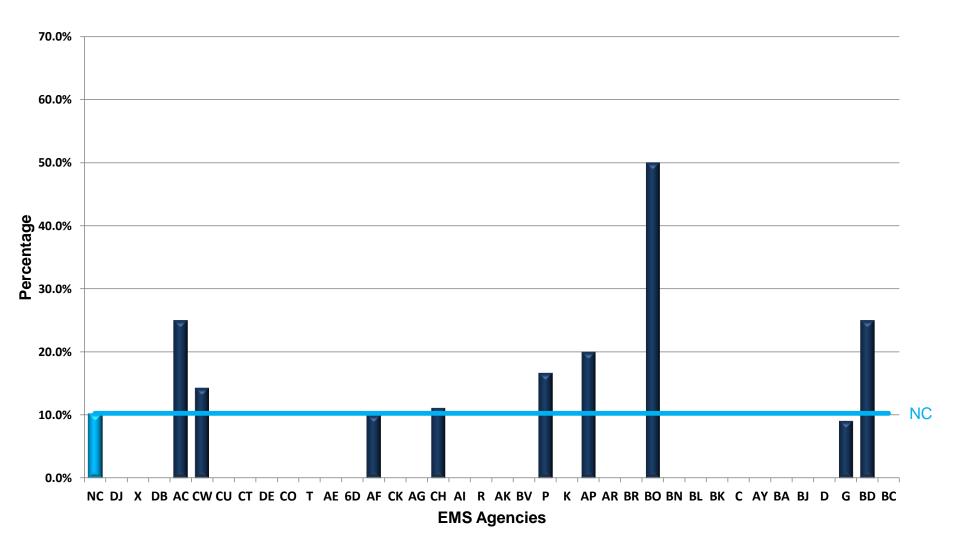




North Carolina CARES By-Stander AED Use in Public Places* 2012 May 29, 2013







^{*} Location Types Public/Commercial, Industrial, Recreation & Transportation

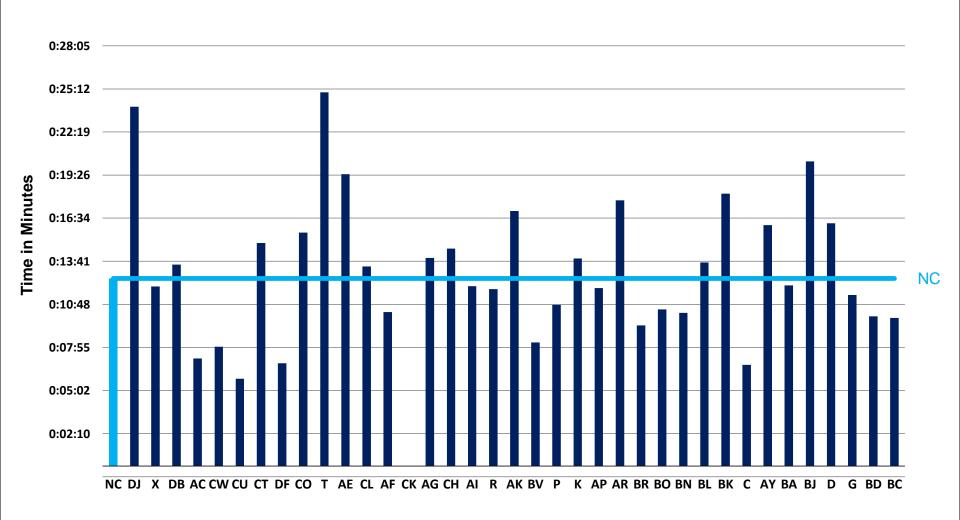


North Carolina CARES Mean Time to Defibrillation* 2012 May 24, 2013



Every second counts. Every action matters.







North Carolina CARES Field Therapeutic Hypothermia Application Rate * 2012 May 29, 2013





