



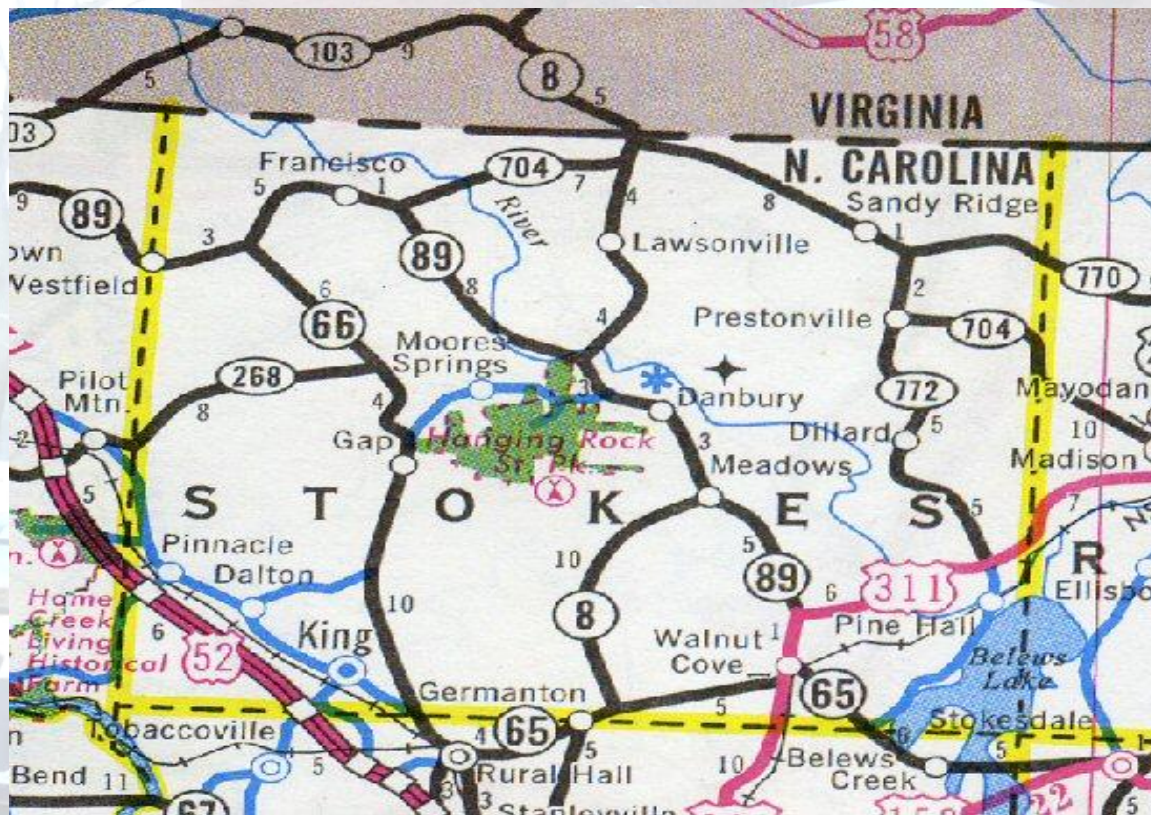
Stokes County Emergency Medical Services

*Dr. Darrell Nelson, FACEP, FAAEM
Medical Director*

*Monty Stevens, EMT-P
Director*

*Greg Collins, RN, EMT-P
Assistant Director*

*Brian Booe, EMT-P
Training Officer*



Stokes County EMS



- 5 ALS credentialed Ambulances supported by 3 ALS Quick Response Vehicles.
- 57 FT/PT employees.
- Approximately 8000 (911) responses per year.
 - 67% ALS responses (Based on 2011 figures)
 - 31% BLS responses (Based on 2011 figures)

Stokes EMS Interpretation of the 2010 AHA Changes

- High Quality, minimally interrupted chest compressions
 - CPR where patient is found
- BIAD vs. Intubation
 - BIAD (King Airway - EMS & First Responders)
- Avoiding excessive hyperventilation using the ITD (ResQPod-EMS & First Responders)
- **Team Focused Approach**



- Post-Resuscitation Care
- Therapeutic Hypothermia

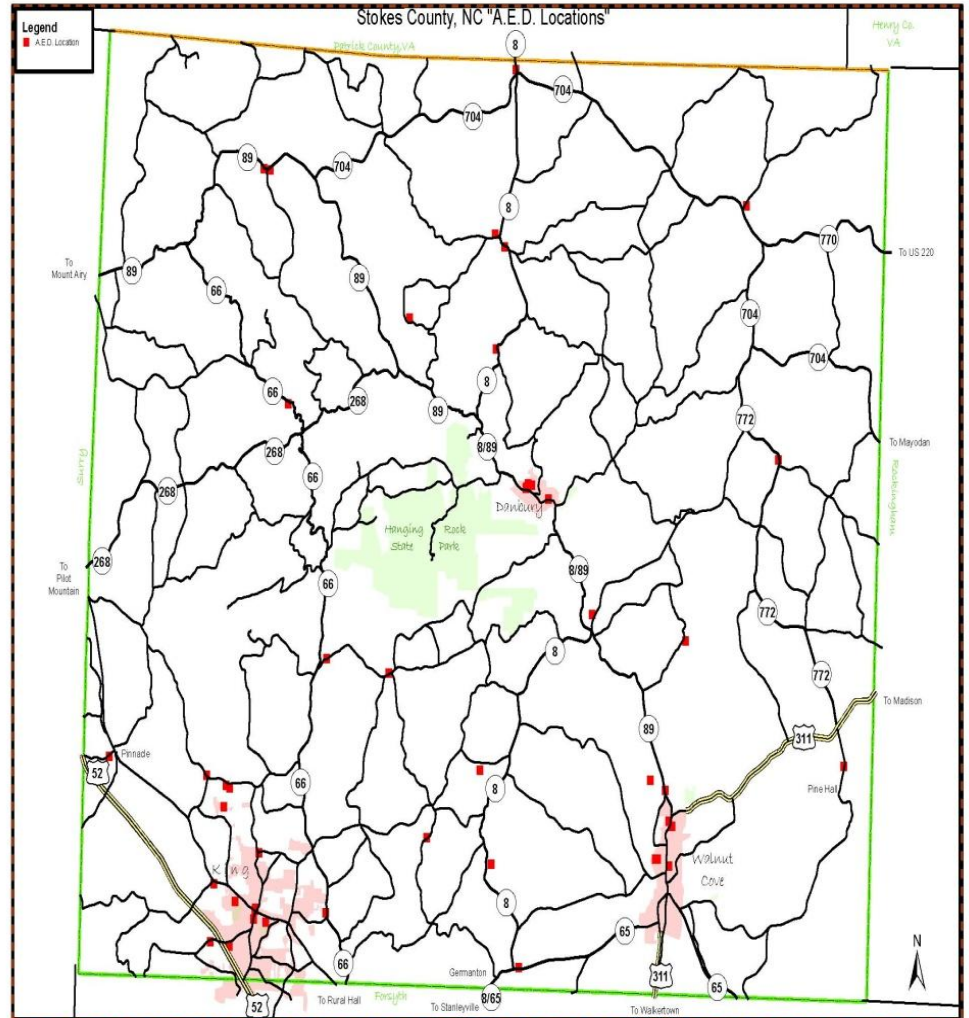
TERMINATION OF RESUSCITATION ON SCENE

Community Outreach

- AED placement in the community

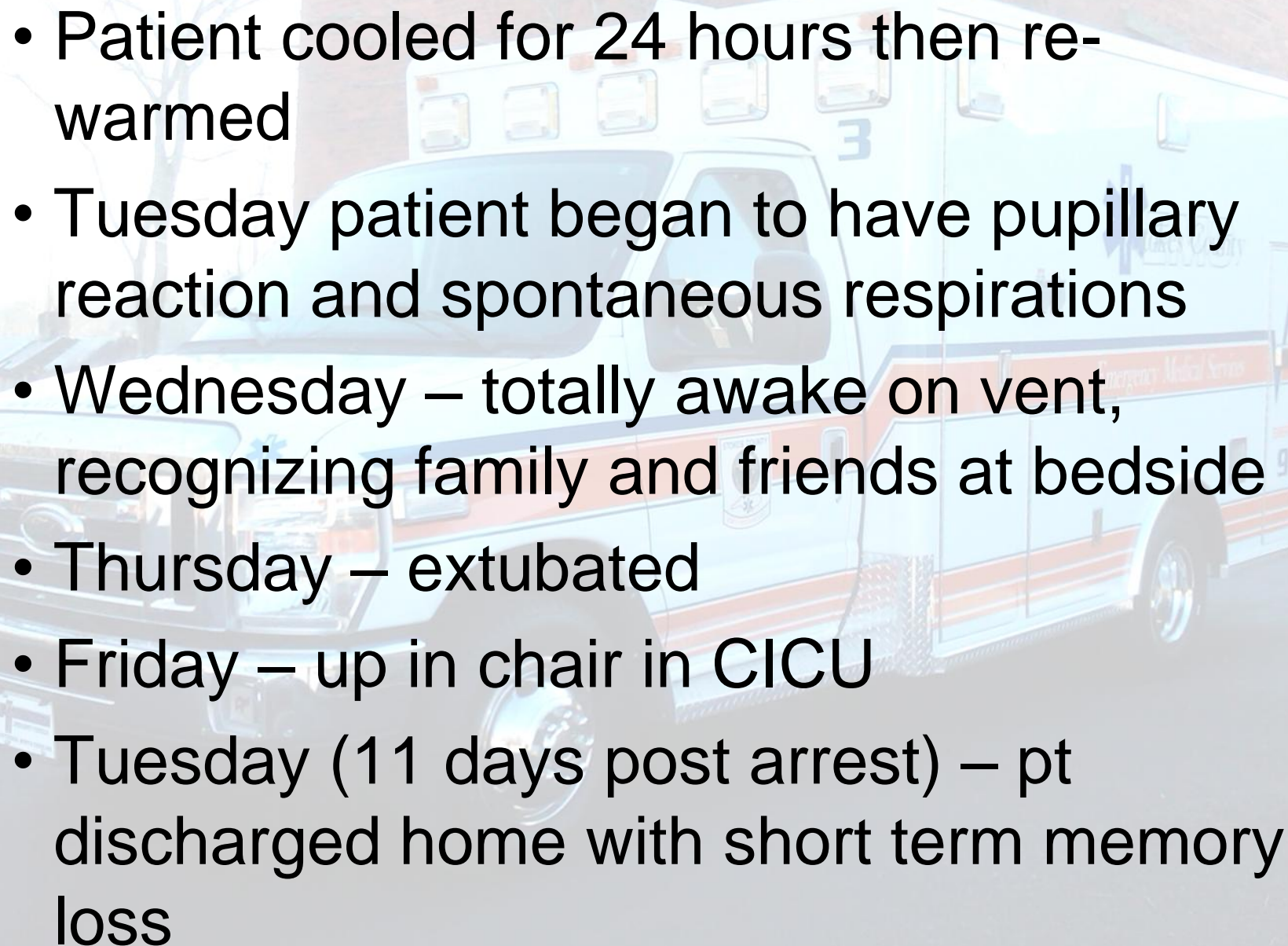
- ***61 AED's placed in Stokes County***

- 30 All Public Schools
 - 15 Churches
 - 6 City of King Public Buildings
 - 1 AED deployed with Sgt. On Patrol,
 - 6 Stokes County Government Center Buildings
 - 1 Golf Course
 - 1 ABC Store
 - Additional AED's in Fire Departments



One of Our Success Stories

- 47 year old white male
- Friday evening at home with family, witnessed sudden cardiac arrest. Bystander CPR by wife.
- 9 year old daughter called 911
- First Responders defibrillated with AED, **ROSC after 15 minutes**, ALS
- Hypothermia Protocol initiated by Stokes County EMS and continued at Forsyth Medical Center
- Arrived at FMC with STEMI, unresponsive, no spontaneous respirations, no pupillary reaction, and no gag reflex

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- Patient cooled for 24 hours then re-warmed
 - Tuesday patient began to have pupillary reaction and spontaneous respirations
 - Wednesday – totally awake on vent, recognizing family and friends at bedside
 - Thursday – extubated
 - Friday – up in chair in CICU
 - Tuesday (11 days post arrest) – pt discharged home with short term memory loss



Elements of success:

- Witnessed Arrest
- Recognition, Call to 911
- Emergency Medical Dispatch -Instructions
- Bystander CPR
- Continuous, uninterrupted chest compressions
- 1st responder AED
- Appropriately timed ACLS interventions
- Hypothermia protocol

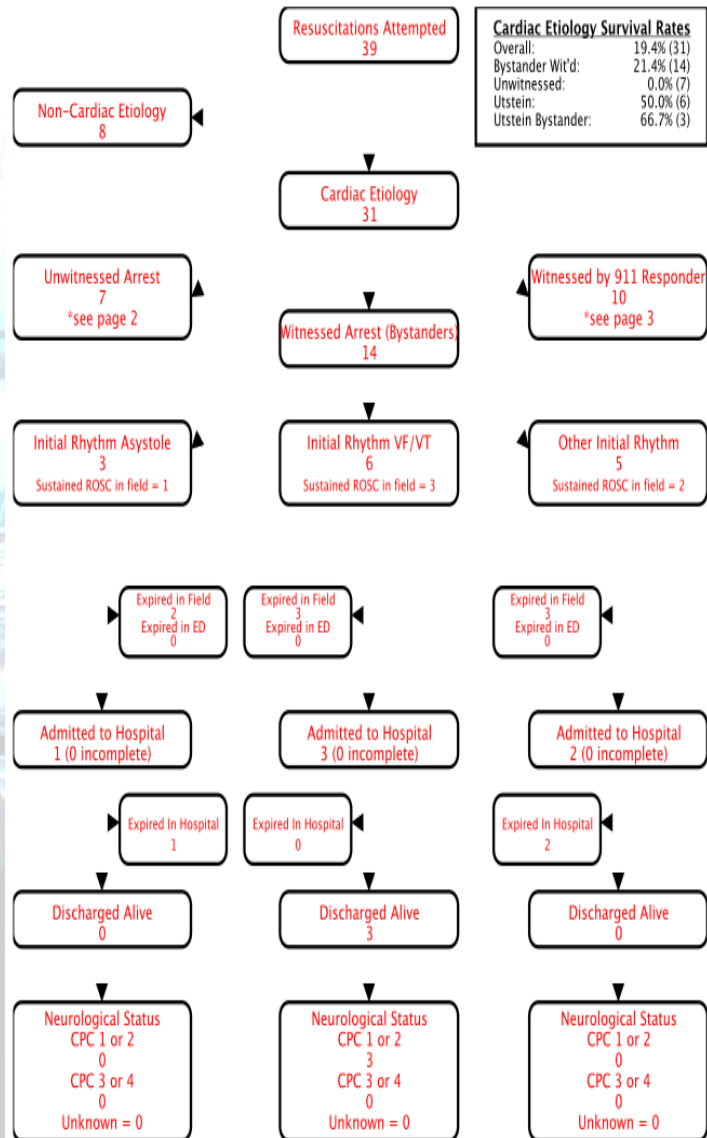
Influences to our System's Success

- Aggressive Public CPR Education
- 911 Dispatch Instructions for CPR
 - Recognition of CPR and beginning instructions within 60 seconds.
 - Simulcast of known cardiac arrest responses with Law Enforcement assistance in early CPR.
- AED's in First Responders privately owned vehicles.
- Code review with crews and facilities involved.
- Entry/Evaluation of Data using the CARES Registry
- **Close working relationship with Wake Forest Baptist Health and Forsyth Medical Center & their RACE Coordinators**
- ***NC Mission: Lifeline and RACE CARS***

Utstein Survival Report

Stokes County EMS

Service Date: From 07/01/2011 Through 06/30/2012



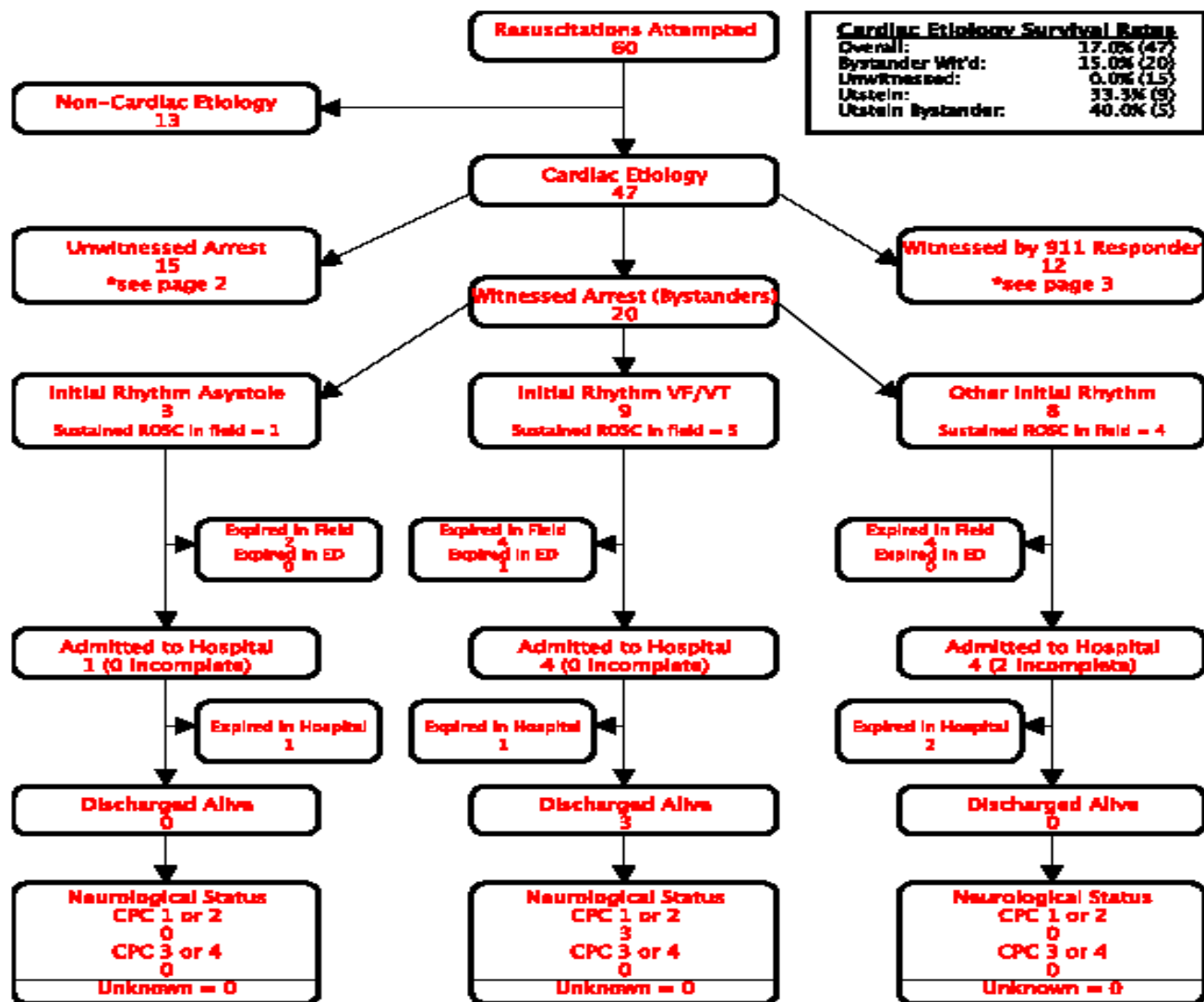
Cardiac Etiology Survival Rates

Overall:	19.4% (31)
Bystander Wit'd:	21.4% (14)
Unwitnessed:	0.0% (7)
Utstein:	50.0% (6)
Utstein Bystander:	66.7% (3)

Utstein Survival Report

Stokes County EMS

Service Date: From 07/01/2011 Through 11/06/2012



Contact Information

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