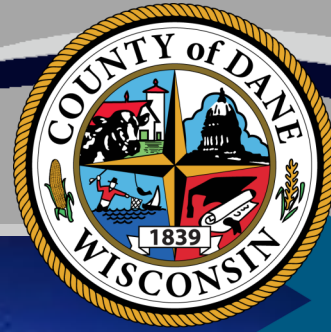


Dane County EMS

Monthly Newsletter
ISSUE 02 May 2018



CARES Report Update:

We are pleased to share the 2017 CARES (Cardiac Arrest Registry for Enhanced Survival) report for Dane County. Thanks to the continued collaborative efforts by the EMS Office, Communication Center, EMS providers, local hospitals, and medical direction team we are able to collect and share this meaningful data.

In 2017, there were **198 cardiac arrest resuscitations** attempted by EMS. The Utstein (witnessed arrest with a shockable rhythm) **survival rate was 48.6%**, far exceeding the national average (32.6%). This is also almost 10% higher than our 2016 rate! **Bystander CPR rate was 46%**, which is also higher than the national average. Overall **survival (for all cardiac arrests) to discharge with good neurologic outcome was 16.2%**, nearly double the national average.

These numbers truly demonstrate lives saved within our system and shows the enormous impact/value that the prehospital system provides for our patients and communities. Thank you for your dedication and continued efforts toward cardiac arrest care and we look forward to continuing to work together to provide the best lifesaving care possible.

Michael Mancera, MD
Associate Medical Director
Dane County EMS



WHAT DOES UTSTEIN REALLY MEAN?

The chaos of definitions was widely recognized and led to a major international meeting held in the Utstein Abbey just outside Stavanger, Norway in 1991. The resulting criteria, known as the Utstein Criteria, established a set of common definitions and spelled out exactly how to report cardiac arrest data. It was hoped that the criteria would serve as a tool to facilitate EMS leaders and researchers as they sought to understand the reasons for different survival rates among communities.

2017 Utstein Survival Rates:

National:

Non-Traumatic Etiology Survival Rates

Overall:	10.4% (76215)
Bystander Wit'd:	16.1% (27887)
Unwitnessed:	4.6% (38948)
Utstein ¹ :	32.6% (8380)
Utstein Bystander ² :	36.5% (4935)

Bystander Intervention Rates³

CPR:	38.2% (56470)
Public AED Use:	11.4% (10253)

Dane County:

Non-Traumatic Etiology Survival Rates

Overall:	17.7% (198)
Bystander Wit'd:	31.2% (80)
Unwitnessed:	5.4% (92)
Utstein ¹ :	48.6% (37)
Utstein Bystander ² :	52.2% (23)

Bystander Intervention Rates³

CPR:	46.0% (163)
Public AED Use:	13.5% (37)

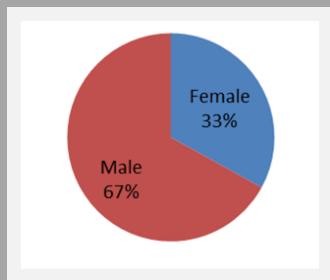
CARDIAC ARREST DATA:

74% of cardiac arrests were at home.

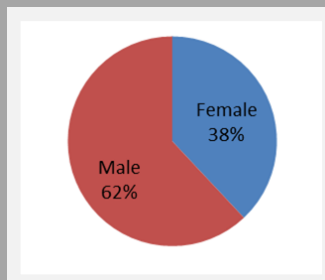
As seen in the pie charts below, Dane County cardiac arrests average at age 60.2 years. 67% are male, and 33% are female. The National statistics show that the average age of cardiac arrest is 62, with 62% being male and 38% female.



**Dane County Cardiac Arrests
Average Age: 60.2**

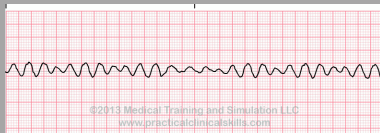


**National Cardiac Arrests
Average Age: 62**



First Arrest Rhythm:

29% - Vfib/Vtach/Shockable



40% - Asystole



31% - Other Non-Shockable

ROSC (return of spontaneous circulation) Stats:

Dane County (73/198)
Overall non-traumatic cardiac arrests: 36.9%

National (24,249/76,214)
Overall non-traumatic cardiac arrests: 31.8%

Check us out on Facebook!
[www.facebook.com/
DaneCountyEMS](http://www.facebook.com/DaneCountyEMS)



EMS Week:

May 20 - 26, 2018

Check out our website for
events in your area:

<https://em-ems.countyofdane.com/>

Dane County

Bystander Interventions:

CPR - 46%

Public AED: 13.5%

**Thank you Dane County
9-1-1 for your leader-
ship in pre-arrival CPR
instructions!**



**Witnessed Cardiac Arrest
in EMS Presence: 26**

Asystole - 8

Vfib/Vtach - 7

(5 out of 7 survived)

Other - 11

INITIAL RHYTHM

