

# HANDS-ON-CHEST



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**REQUESTED BY:**  
**DELIVERY DATE:**

## DATA SUMMARY

<b>Agency</b>	<b>Accredited Agency, US</b>
Date range	Aug 08, 2014 – Aug 01, 2018
No. of Agencies Involved	26
Protocol Version	13
Total Calls (N)	2,177,189
Test Cases/Outliers (n [%])	188,385 [8.65%]
Calls Analyzed (n [%])	1,988,804 [91.35%]
• Hands-On-Chest calls (n [%])*	19,437 [0.98%]

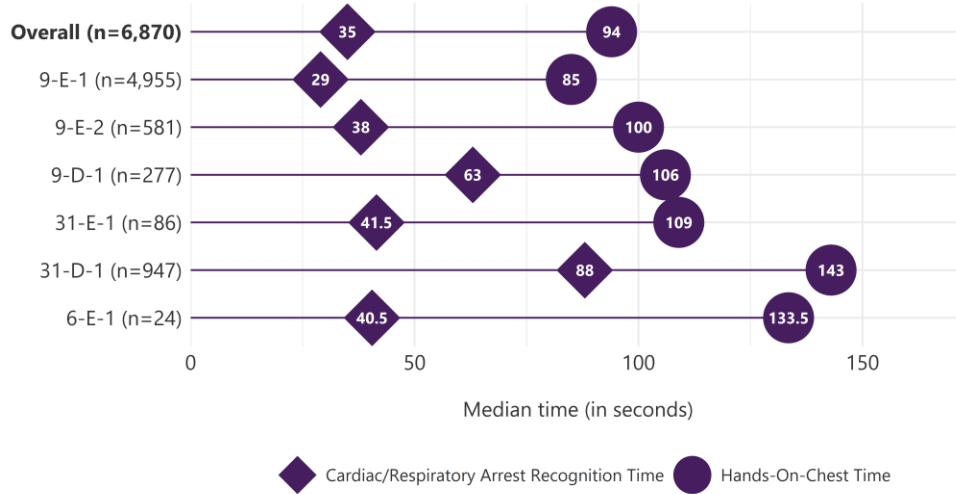
*\*Median times are considered from the launch of ProQA (address acquisition).  
Compressions First/Compressions Only and Ventilations First Cases.*

Note: Small sample sizes should be interpreted with caution.



# TIME METRICS

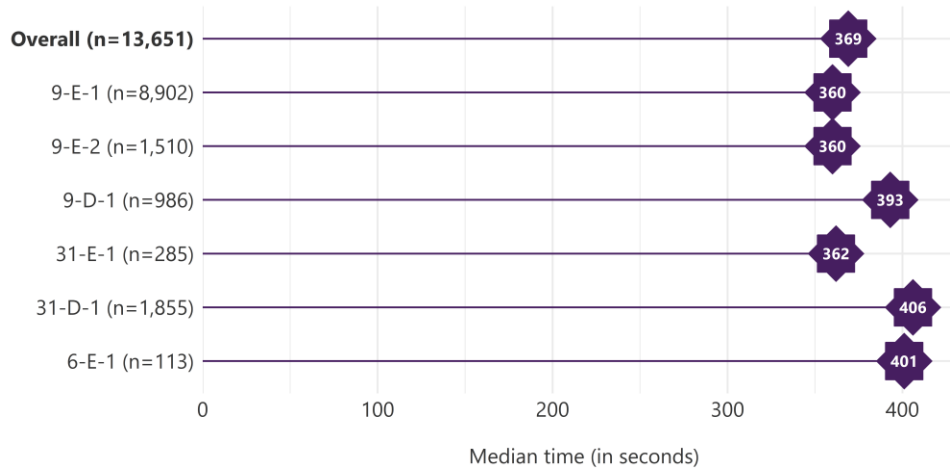
**Median Time to Cardiac Arrest Recognition & Hands-On-Chest Compressions First/Compressions Only cases by Dispatch Code\***



\*Non-trauma/non-death and non-barrier cases that arrested before the call

## Median Dispatch-Initiated Resuscitation Time

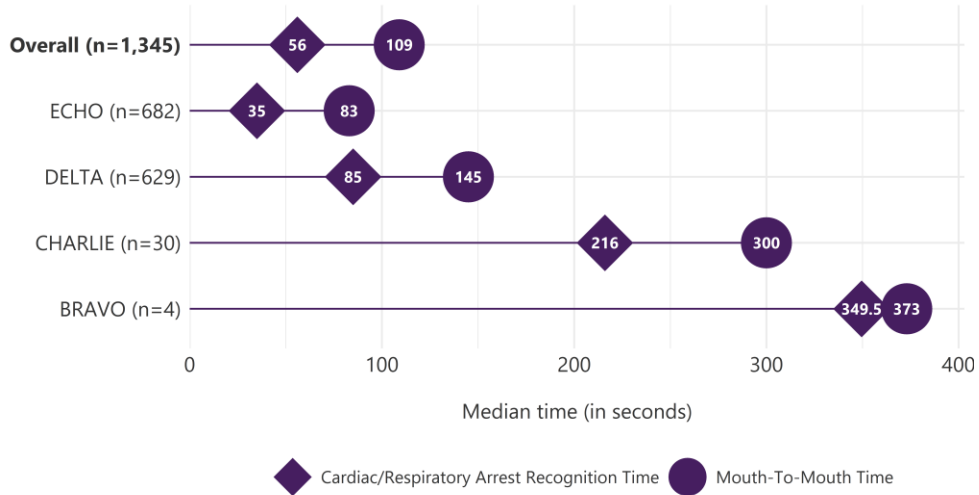
Time for which the patient received life-saving resuscitation efforts before responders arrived on-scene\*



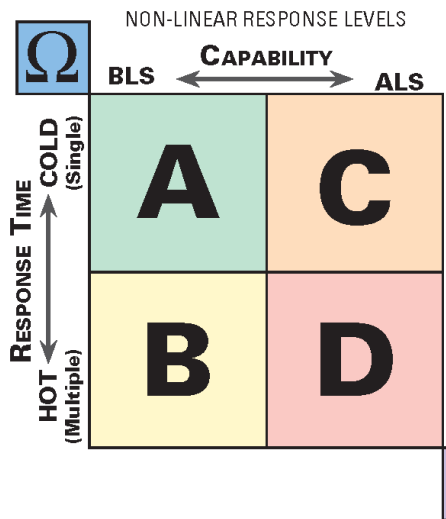
Dispatch Code	*Non-reopened cases
9-E-1	Cardiac/Respiratory Arrest- Not breathing at all
9-E-2	Cardiac/Respiratory Arrest- Uncertain Breathing
9-D-1	Cardiac/Respiratory Arrest- Ineffective Breathing
31-E-1	Unconscious/ Fainting – Ineffective Breathing
31-D-1	Unconscious/ Fainting – Unconscious (AGONAL)/Ineffective Breathing
6-E-1	Breathing Problems – Ineffective Breathing

TIME METRICS

Median Time to Respiratory Arrest Recognition & Mouth-To-Mouth Ventilations First cases by Priority Level\*



\*Non-barrier cases that arrested before the call



OMEGA (Ω) definition:

Approved low acuity conditions qualifying for non-EMS response referrals to quality-assured nurse assessment systems, and other external specialty agencies such as Poison Control Centers, Rape Crisis Lines, Suicide and Mental Help Lines, social services, and clinics.

ECHO (E) definition:

Conditions requiring very early recognition and immediate dispatch of the absolute closest response of any trained crew such as police with AEDs, fire ladder or snorkel crews, HazMat units, or other specialty teams not in the standard medical response matrix.

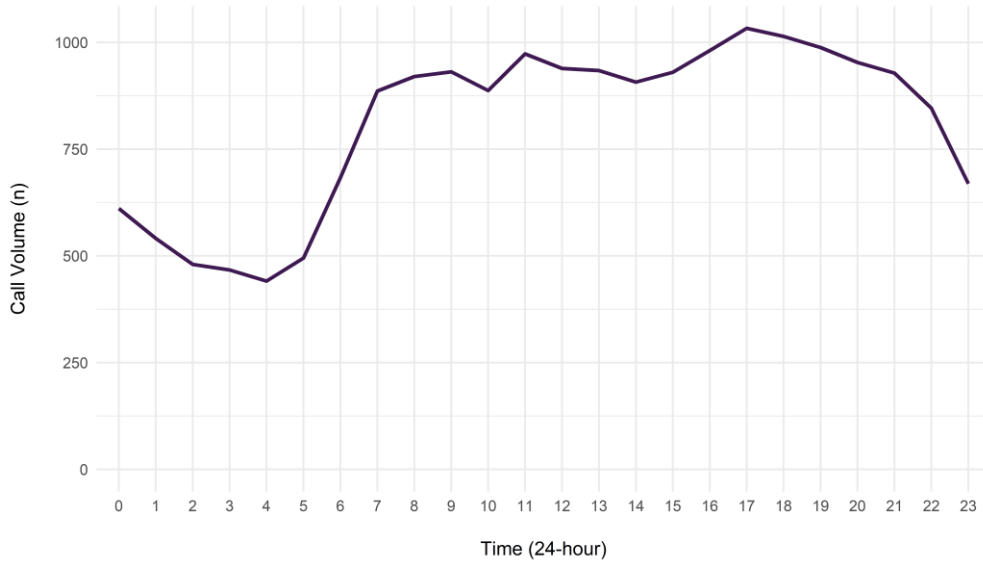
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- BLS: Basic Life Support
- ALS: Advanced Life Support
- Ω: MPDS OMEGA determinant level
- A: MPDS ALPHA determinant level
- B: MPDS BRAVO determinant level
- HOT: Lights-and-Siren response
- COLD: No Lights-and-Siren response
- C: MPDS CHARLIE determinant level
- D: MPDS DELTA determinant level
- E: MPDS ECHO determinant level

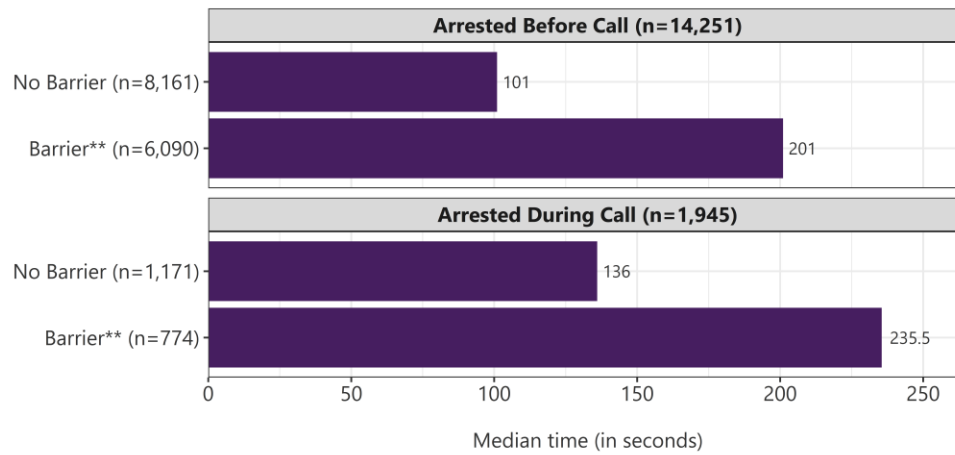


# TIME METRICS

Resuscitation Calls by Time of Day (n=19,437)



Median Time to Hands-On-Chest by Barrier Status & Arrest Point\* (n=16,196)

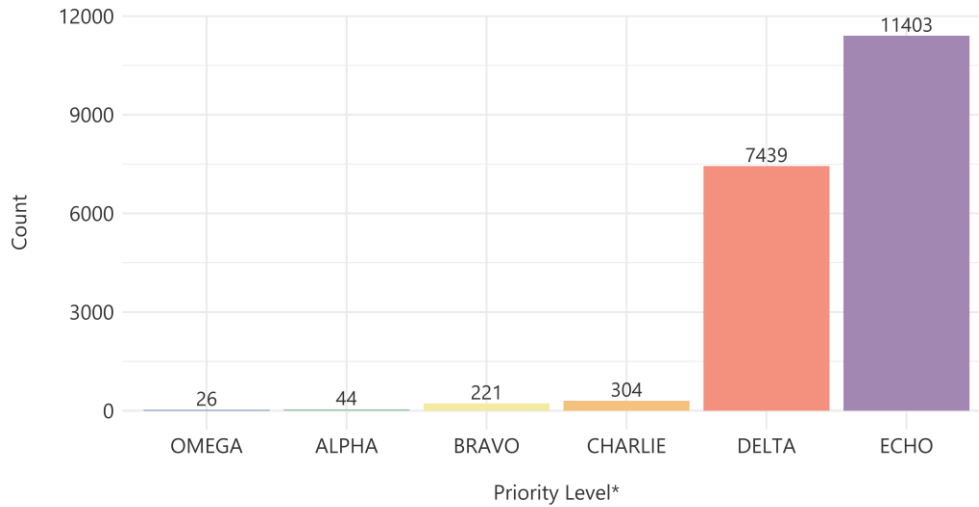


\*Compressions First/Compressions Only  
\*\*Suspected barriers include cases where the elapsed time for CPR positioning exceeds a 75 second threshold, case entry exceeds a 60 second threshold, and cases where panels C21-C24 are utilized



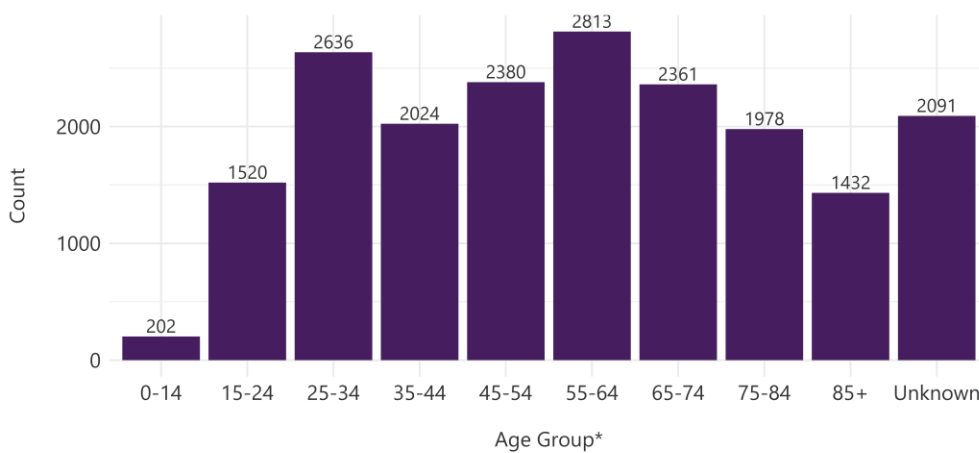
# DISTRIBUTIONS

**Distribution of Priority Levels (n=19,437)**



\*Includes Compressions First/Compressions Only and Ventilations First cases and low acuity dispatch codes such as "Obvious/Expected Death"

**Distribution of Age (n=19,437)**



\*Compressions First/Compressions Only and Ventilations First cases. For "Unknown" ages, the categories were:  
• 8 or older = 2,070 cases  
• 1-7 years = 3 cases  
• 1-11 months = 1 cases  
• Newborn = 0 cases