Chicago CARES about OHCA: 2018 Update

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2016 WORLD SERIES

CHICAGO CUBS WIN 1ST TITLE IN 108 YEARS
BEAT CLEVELAND INDIANS 8-7 IN 10 INNINGS IN GAME 7
Utstein Survival Rates

% Survival

2013 (N=65) 16.9%
2014 (N=200) 24%
2015 (N=204) 26%
2016 (N=177) 38%
Natl Avg (23,213) 33.4%
<table>
<thead>
<tr>
<th>Year</th>
<th>% Survival</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>24%</td>
<td>29</td>
</tr>
<tr>
<td>2014</td>
<td>32%</td>
<td>79</td>
</tr>
<tr>
<td>2015</td>
<td>38%</td>
<td>87</td>
</tr>
<tr>
<td>2016</td>
<td>50%</td>
<td>88</td>
</tr>
<tr>
<td>Natl Avg</td>
<td>37.6%</td>
<td>13,868</td>
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</tbody>
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Systematic Change

2011
Protocol Change

2012
Simulation training

2013
CARES Registry

2014
Dispatch CPR

2015
Field Termination of Resuscitation

2016
Cardiac Arrest System of Care
Feedback

Date: xxx
Paramedics/EMT xxx,

As part of our regular Continuous Quality Improvement (CQI) process, we have reviewed the cardiac arrest you participated in on xxx as a member of (Ax, Ex, Tx). The Chicago Region XI EMS System is focused on providing excellent prehospital care and optimizing patient outcomes for out-of-hospital cardiac arrest. Our objective in providing feedback is to both 1) highlight areas of high performance and 2) identify opportunities for improvement. Based on the Lifepak cardiac monitor data you uploaded into CodeStat, we have compiled the attached quality improvement report on the resuscitation.

Case summary: 48 year old male witnessed arrest by family with bystander CPR. Initial rhythm ventricular fibrillation, shocked x 2 with ROSC and transport to University of Chicago.

Performance Goals (*“* indicates successful completion):

- Minimal CPR Interruptions
- Correct Drug Use and Dose
- Quality Compressions
- Accuracy Rhythm Analysis
- Defibrillation

Case Strengths: Early defibrillation, use of metronome

Case Opportunities: Some pauses in compressions likely due to attempts to intubate, recommend use of King Airway as initial attempt.

These performance goals are key components to managing a cardiac arrest and improving survival. Your event summary is included to review details of the case.

If you have any questions regarding this report, please contact Matt Strzalka, EMT-P (mstrzalka@cookcountymhhs.org).

Best regards,

Region XI EMS Medical Directors Consortium
Continuous Quality Improvement (CQI) Subcommittee

This information is for Quality Improvement and should remain confidential pursuant to the Illinois Medical Studies Act

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CPR report

- Device Type: LIFEPAK 15
- Power On: 7/21/2016 8:55:13 PM
- Incident ID: 009340X0399TP
- Device Configuration: 009340X0399TP
- CPR Annotations Edited: Yes
- CPR Annotations: 3006057
- Statistical Parameters: 100-900-3692-65
- Compression Ratio: 80%
- Compress rate: 120/min
- Compressions: 150
- Average compression rate: 120/min
- Compression depth: 2.5-4.5 inches
- Average compression rate: 120-130/min
- Compressions per minute: 100-120/min
- Average compression depth: 2.5-4.5 inches

Summary

- Duration: 0:15:18
- Interval Statistics:
  - Compression rate: 120/min
  - Compression depth: 2.5-4.5 inches

CPR QUICK VIEW

- Power On: 7:55:13 PM
- Interval Statistics:
  - Power On: 7:55:13 PM
  - Compress rate: 120/min
  - Compression depth: 2.5-4.5 inches

Depth over time is measured with fixed CPR device, compression rate and compression per min. improved during this time.

Each dot line indicates a single compression. Results in the red line include pauses in chest compression.

Heart rate was recorded at 60-80 at 1 minute period of time.
Thank you

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