Survival After Out-of-Hospital Cardiac Arrest Varies Widely by Region
Nichol and ROC Investigators JAMA 2008
Etiology of Cardiac Arrest 2/2 Overdose Varies Widely by Region

Salcido and ROC Investigators Resuscitation 2016
Incidence of VF Declined Markedly Over Time
Cobb JAMA 2002
Incidence of Significant Coronary Artery Disease Among Selected Patients with Cardiac Arrest/Sudden Cardiac Death

<table>
<thead>
<tr>
<th>Study</th>
<th>Population</th>
<th>Method of Ascertainment</th>
<th>Incidence of Significant Coronary Artery Disease</th>
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<tbody>
<tr>
<td>Davies <em>N Engl J Med</em></td>
<td>Died of myocardial ischemia within 6 h of symptom onset (n=100)</td>
<td>Autopsy</td>
<td>74% intraluminal thrombus</td>
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<td>Dumas <em>Circ CV Interv 2010</em></td>
<td>Resuscitated from OHCA and referred to tertiary center in Paris, France (n=714)</td>
<td>Immediate coronary angiography when no obvious non-cardiac cause</td>
<td>ST-elevation, 96% culprit lesion on CA</td>
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<td>No ST-elevation, 58% culprit lesion on CA</td>
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Institute of Medicine Strategies to Improve Cardiac Arrest Survival: A Time to Act

• Establish national cardiac arrest registry
• Foster culture of action through public awareness and training
• Improve delivery of high-quality resuscitation and post-resuscitation care
• (Emergency coronary angiography in patients with OHCA)