

# Sepsis in California

***Discovering solutions through...***

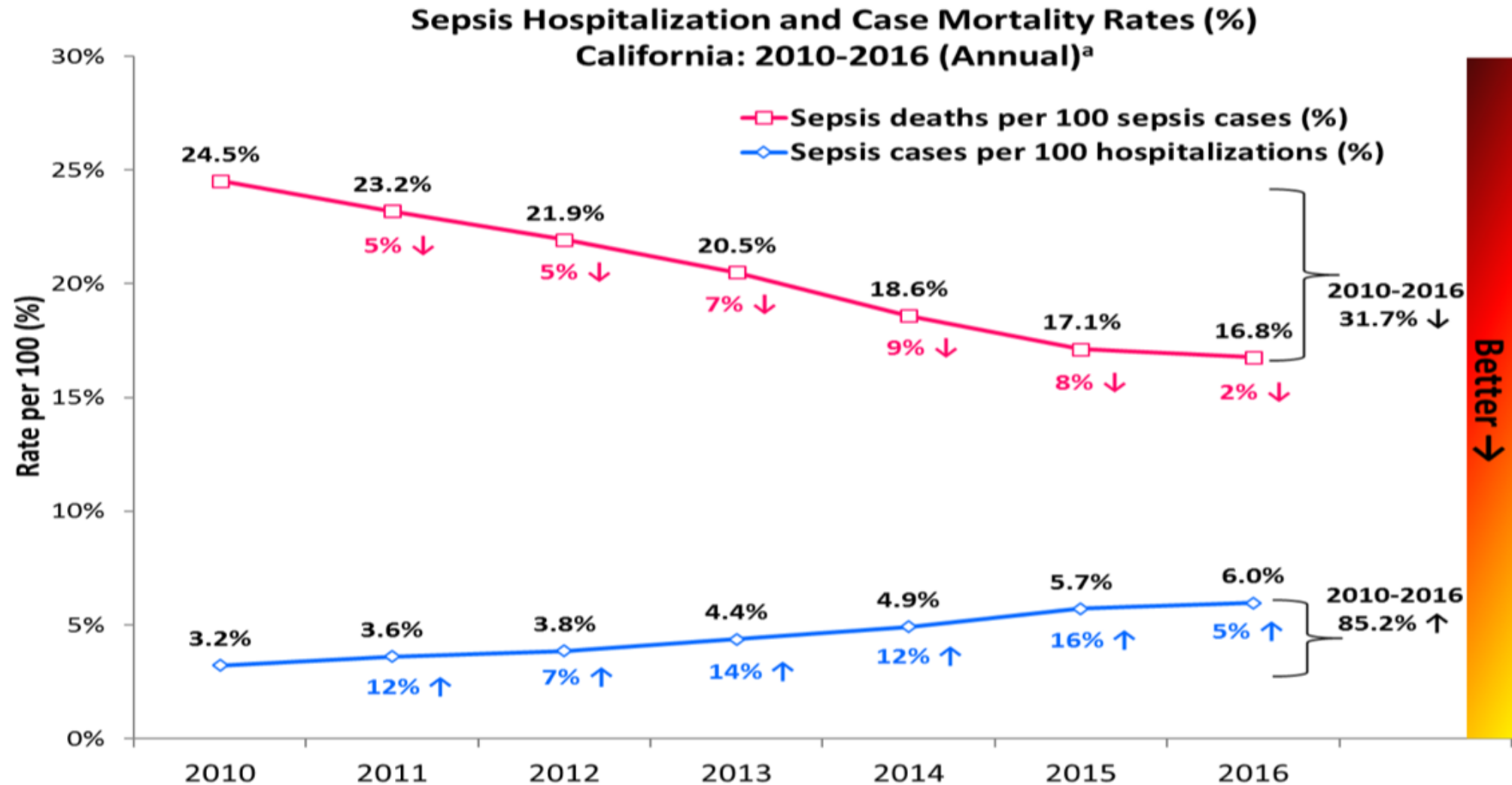
**Transparency**

**Disciplined  
Measurement  
and Tests of  
Change**

**Deconstructing  
Silos to Take  
Better Practices  
to Scale**

**Leadership**

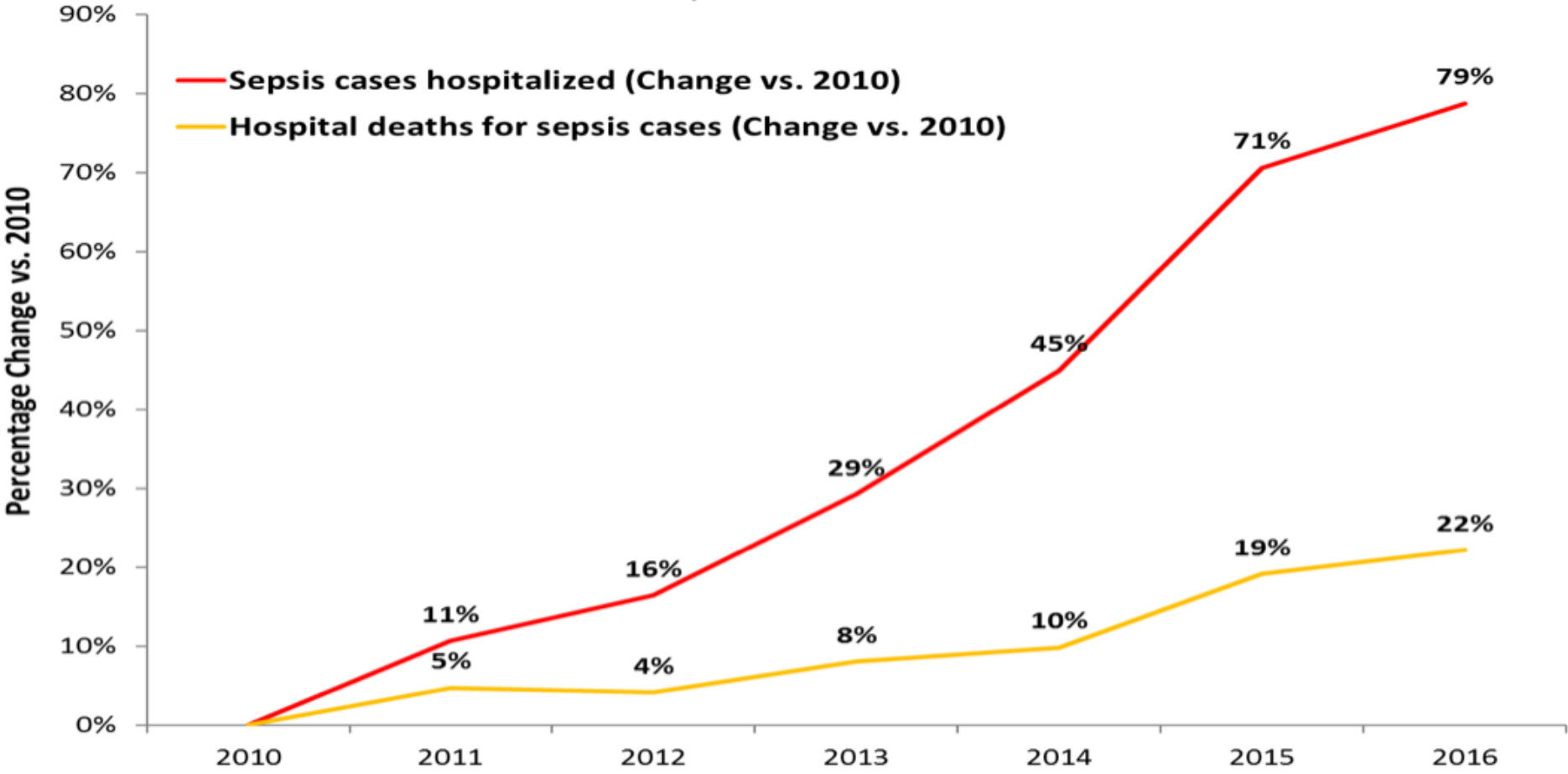
# Sepsis in California 2010-2016



<sup>a</sup>Source: OSHPD Discharge Data.

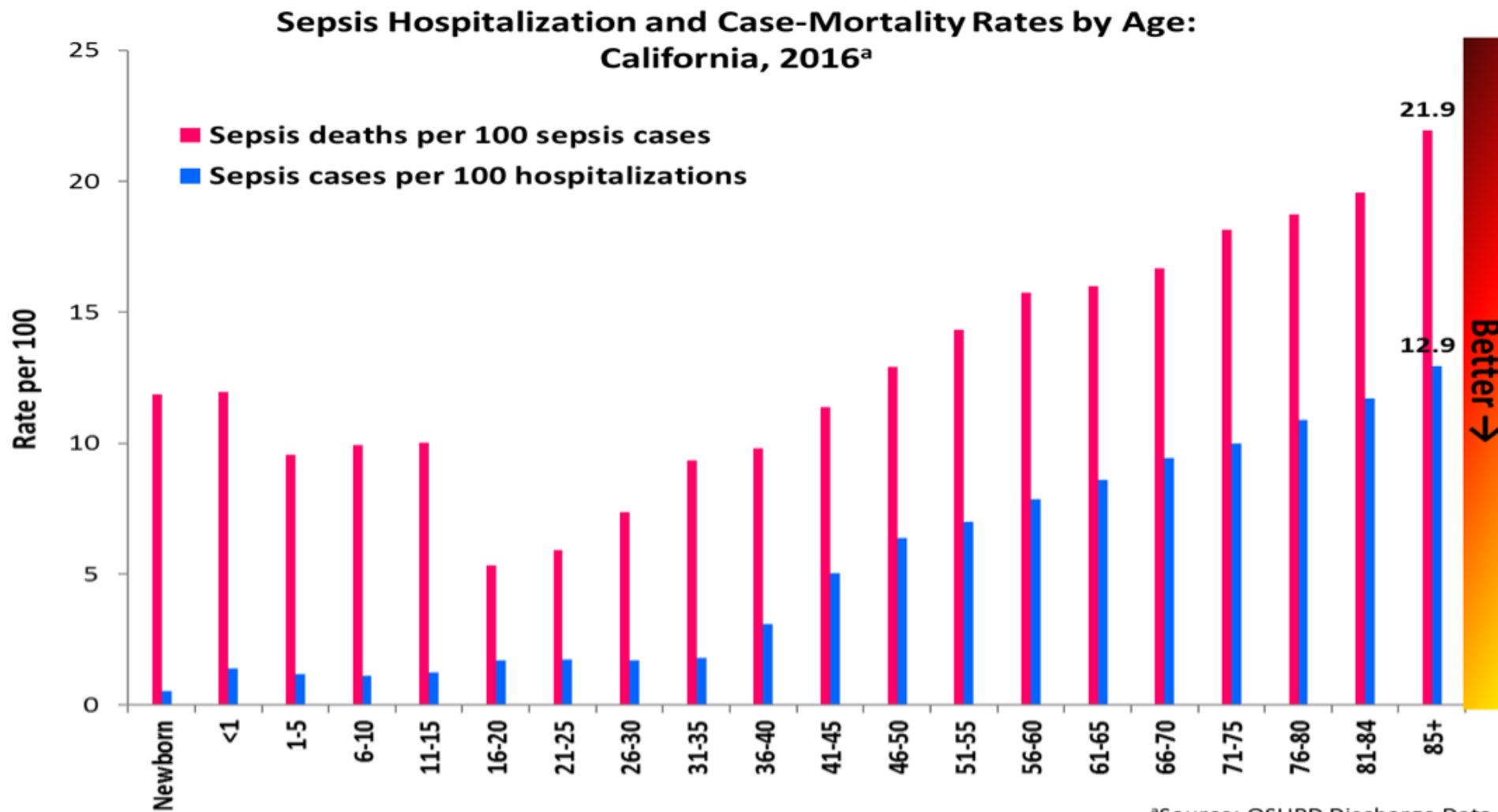
# Sepsis Change: 2010 to 2016

Changes in Numbers of Sepsis Cases and Deaths:  
California, 2011-2016 vs. 2010<sup>a</sup>



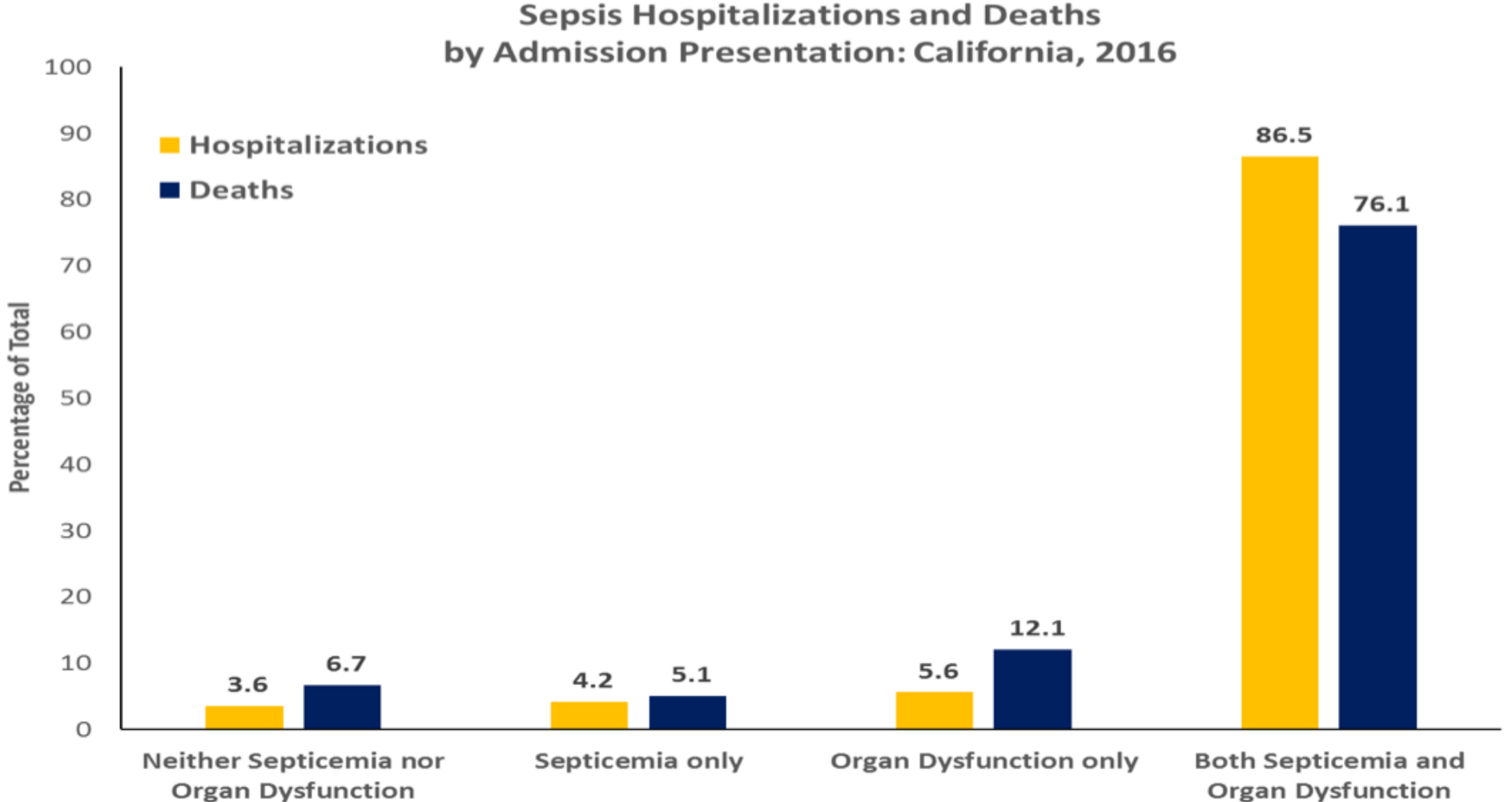
<sup>a</sup>Source: OSHPD Discharge Data.

# Sepsis in California by Age



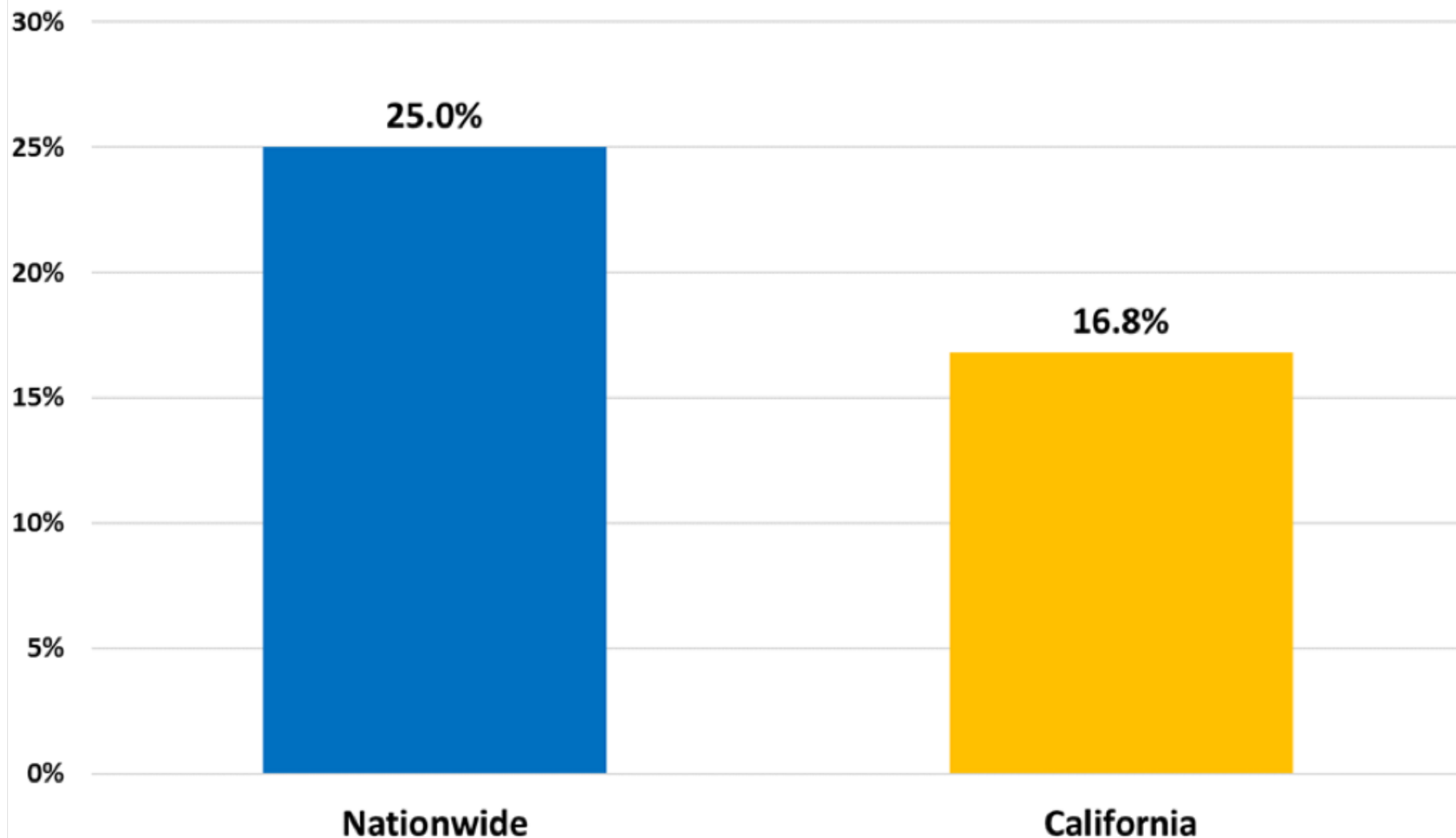
<sup>a</sup>Source: OSHPD Discharge Data.

# Sepsis Case Presentation on Admission



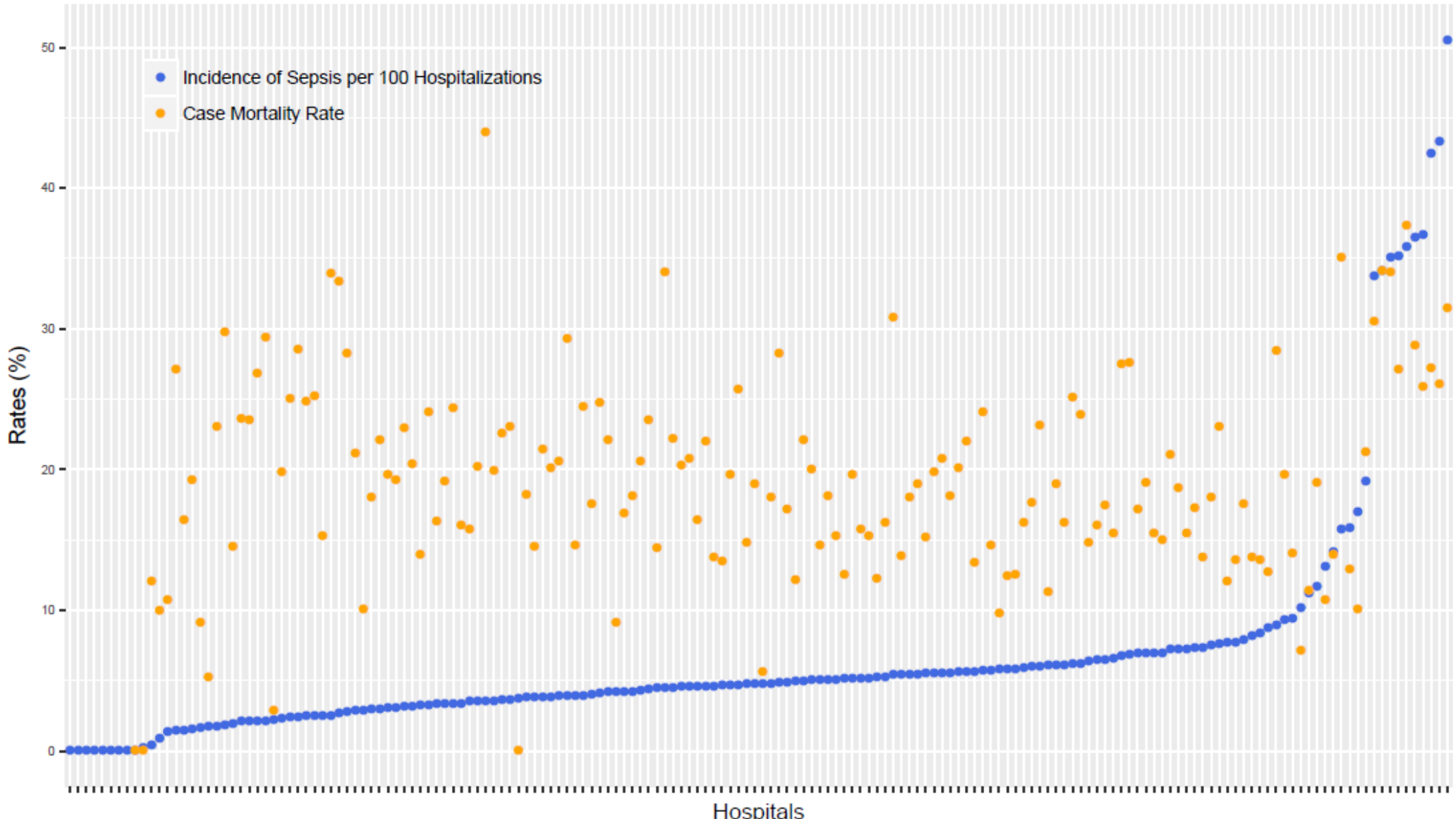
<sup>a</sup>Source: OSHPD Discharge Data.

# In-Hospital Sepsis Mortality Rate (per 100 sepsis cases): Nationwide vs. California: 2016<sup>a</sup>

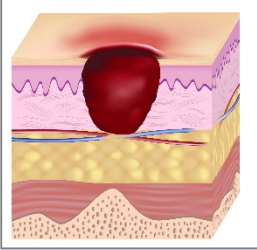
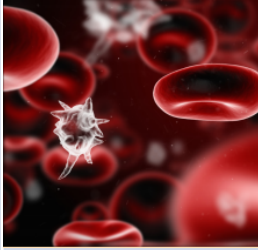
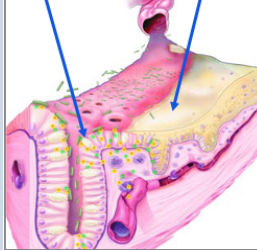




<sup>a</sup>California estimate based on 2016 OSHPD Inpatient Discharge Public Use File. Nationwide estimate from supplementary online content for Rhee et al. (2017) doi:10.1001/jama.2017.13836.

# Sepsis Incidence/Case Mortality Rate: HASC, 2014



# Top 5 conditions exacting a higher cost burden in California

				
<b>Ulcers</b>	<b>Sepsis</b>	<b>C. diff.</b>	<b>ADE</b>	<b>SSI</b>
<b>\$3.1B</b>	<b>\$2.8B</b>	<b>\$527M</b>	<b>\$424M</b>	<b>\$176M</b>

**Scope of Incremental Cost Burden= \$7.03 Billion**

\*estimated costs differ based on source



# Summary

- **16.8% Mortality in California compared to 25% nationally**
- **Wide variation exists in mortality**
- **91% of cases are present on admission (a community issue)**
- **#1 cause of death in Hospital and #1 cause of readmission**
- **Costs of sepsis estimated at 3 billion dollars per year**
- **California Hospital System leads the nation with 6.8% mortality**
- **Taking Excellence to scale**