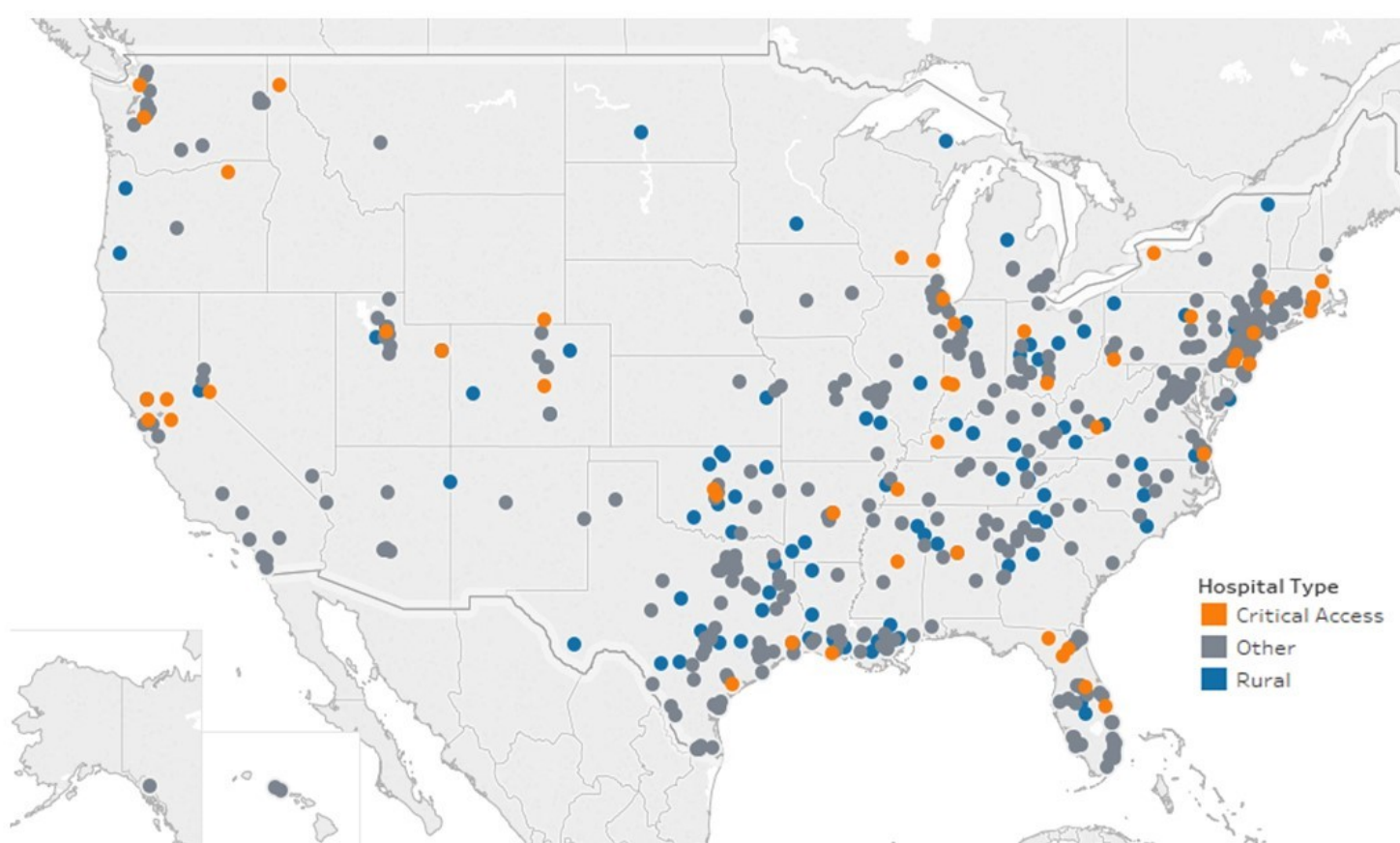


Dr. Jeremiah Schuur, Dr. Arjun K. Venkatesh, Nalani Tarrant, MPH

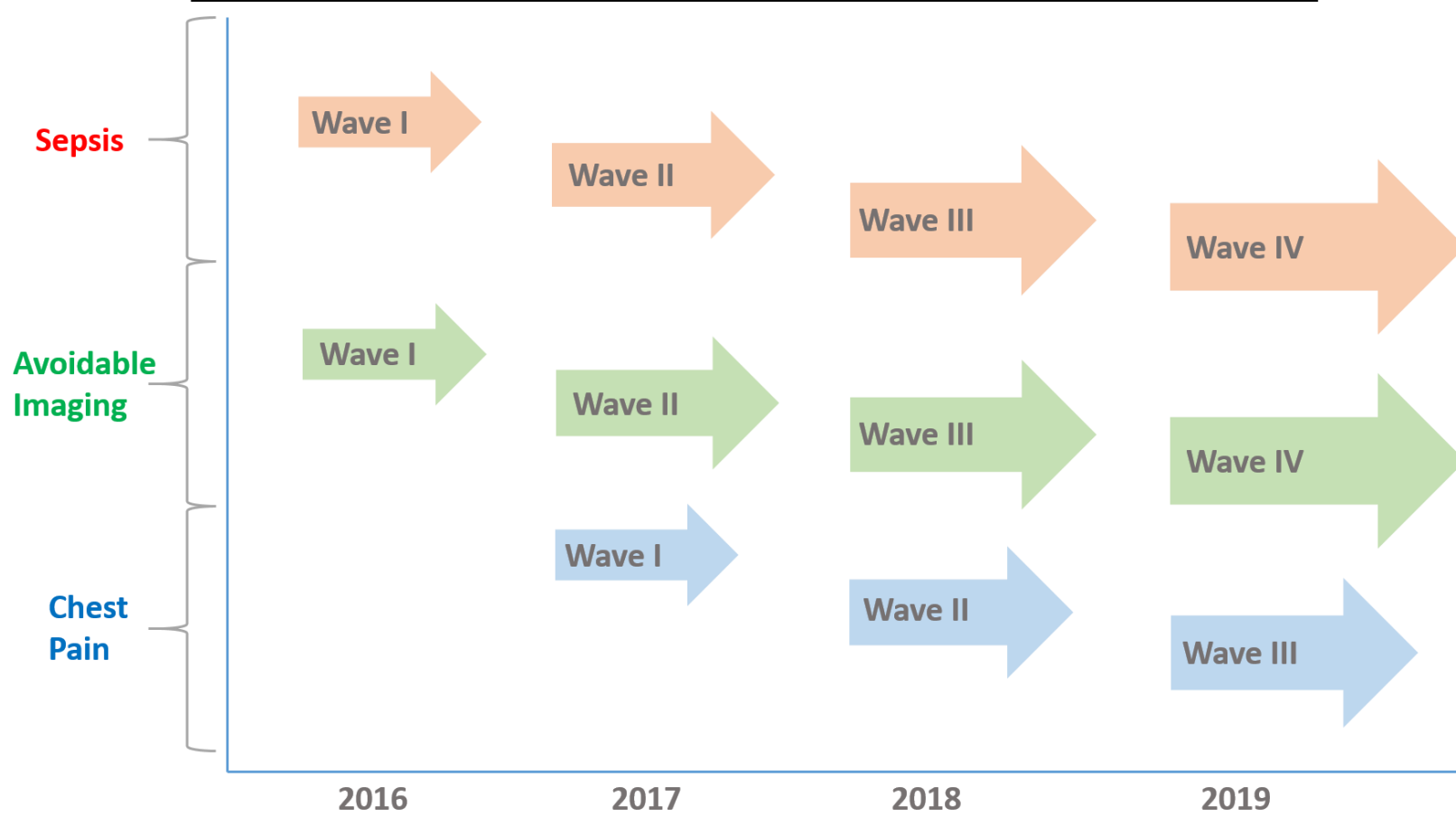
Mission

The Emergency Quality Network (E-QUAL) engages emergency clinicians and leverages emergency departments to improve clinical outcomes, support coordination of care and reduce costs.

Participants



Breakdown of E-QUAL EDs by Zip Code and Hospital Type. 863 EDs engaged in E-QUAL in 45 states.



E-QUAL Waves per Learning Collaborative

Sepsis Bundle (SEP-1) Raw Data

- Mean Bundle Compliance (Wave II, 20+ submitted cases): **79.3%**
- Mean Bundle Compliance (Wave I): **54% (AnnEm)**
- Mean bundle compliance (Wave I, 20+ submitted cases): **72.2%**
- Overall Mean improvement : **25.3% (AnnEm)**
- Overall Mean improvement (20+ submitted cases): **8.2%**
- Hospital-Level Mean Improvement: **4.1%**

Improvement is function of SEP-1 Bundle Compliance. Overall Mean Improvement is the difference in mean improvement from Wave I to Wave II, and Hospital-Level Mean Improvement mean of each, individual hospital's improvement. Therefore, the Overall Mean Improvement is weighted towards hospitals with more patients, and the Hospital-Level Mean Improvement gives equal weight to each hospital while reducing the weight of patients at

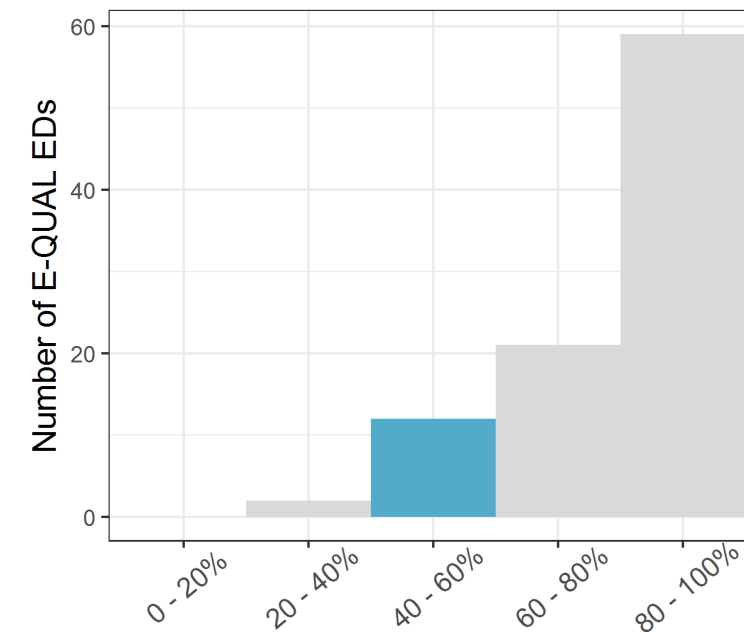
Metrics

E-QUAL collected baseline and improvement readiness data from 863 EDs on topics including ED's readiness for alternative payment models, engagement in QPP and the use of current QI strategies for each E-QUAL quality improvement target areas: **sepsis outcomes, reducing avoidable imaging and reducing chest pain hospitalizations.**

E-QUAL Hospitals Improved Sepsis Bundle Performance

Hospital Bundle Performance (SEP-1 Data)

Benchmarking Performance Post Wave II

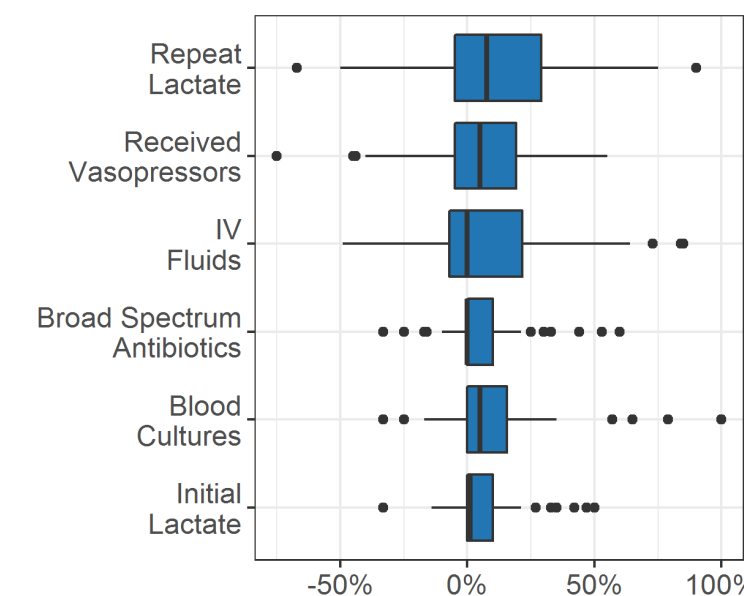


Bundle Component	% Compliance
Initial Lactate	71
Antibiotics	63
Blood Cultures	70
Repeat Lactate	56
IV Fluids	89
Vasopressors	91
Mean Improvement (Wave I to Wave II)	25.29

Post Wave II SEP-1 Bundle Compliance of E-QUAL EDs. Histogram bin size =20%

Hospital Bundle Performance (Chart Review Data)

Benchmarking Improvement Since Pre Wave II



Component	% Performed
Initial Lactate	98
Antibiotics	97
Blood Cultures	97
Repeat Lactate	47
IV Fluids	83
Vasopressors	22
Mean Improvement (Across Wave II)	7.62

Post Wave II average Quick Chart Review component improvement.