

CMU Bridges to Healthcare Technology EDA Project: Hospital Ratings

Jessica Lambert, Urvi Chaubal, Dennis Campoverde Lema

Mortality By Type

Sourced from the Center for Medicare Services

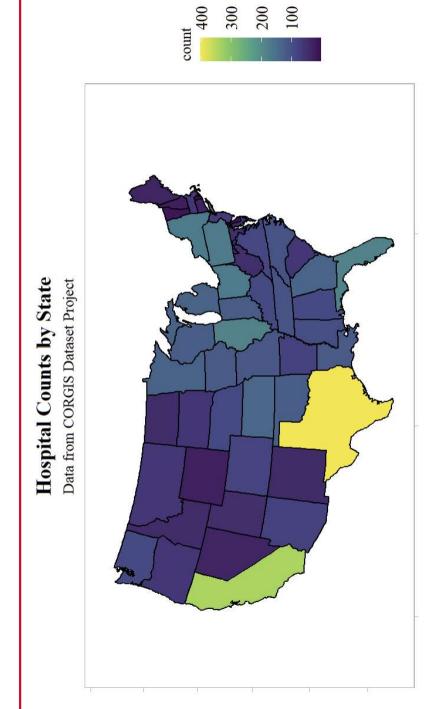
CORGIS Dataset Project

- Contains information on hospital ratings
- Goal: to allow consumers to directly compare hospital performance measures

Procedure Costs

Mortality By Type

Total Number of Hospitals Vary by State



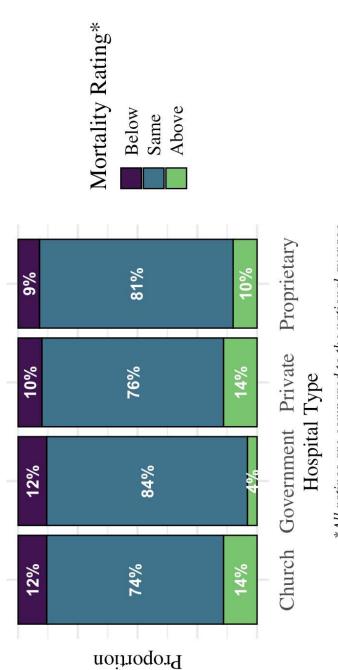
*Hospitals that accept Medicare & Medicaid

Mortality By Type

Hospital Type Influences Mortality Rate

Proportion of Mortality Ratings by Hospital Type

Data from CORGIS Dataset Project



*All ratings are compared to the national average

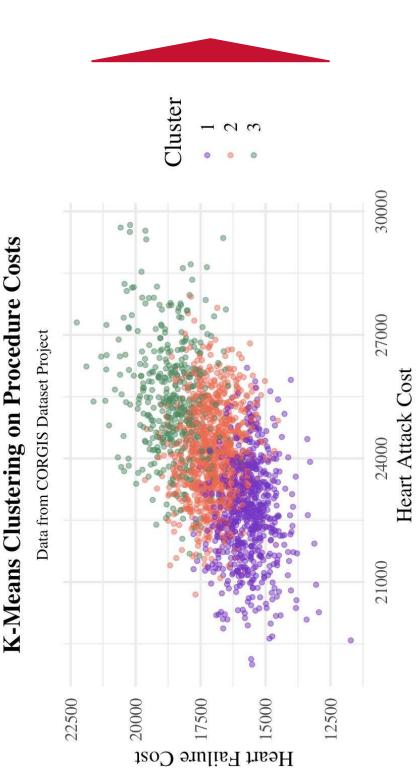
appear to perform better Government hospitals on mortality ratings

and government hospitals ratings above the national More private and church average than proprietary hospitals have mortality

Procedure Costs

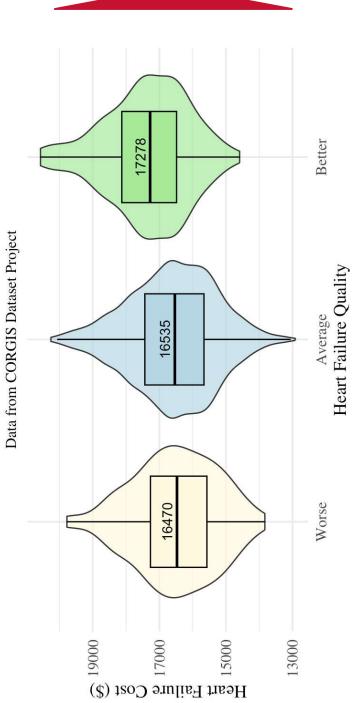


heart failure procedure heart attack procedure costs also have lower Hospitals with lower costs



Cost of Heart Failure Procedure Significantly Affects Quality

Heart Failure Cost by Quality



"better" quality rating are significantly more

Procedures with

"worse" or "average"

ratings

procedures with

expensive than

*All ratings are compared to the national average

Hospitals by State

Mortality By Type

hospitals that accepts The data includes and Medicaid in every state. Medicare

consider government hospitals over others mortality ratings. Patients should due to better

relationship between aware of the linear Patients should be heart failure and procedure costs. heart attack

aware that the quality of the procedure they receive will impact Patients should be the cost.

> Procedure Costs Mortality By Type Hospitals by State

Cost v Quality

Limitations

- Mostly qualitative data provided
- Lack of clarity surrounding variables
- Limited hospitals provided

Next Steps

- Analysis of hospital count by county
- procedure costs and quality on • Influence of private hospital mortality rate
- Quantitative data analysis
- Analysis of more recent data