



# Impact of Non Medicaid Expansion on Rural Communities

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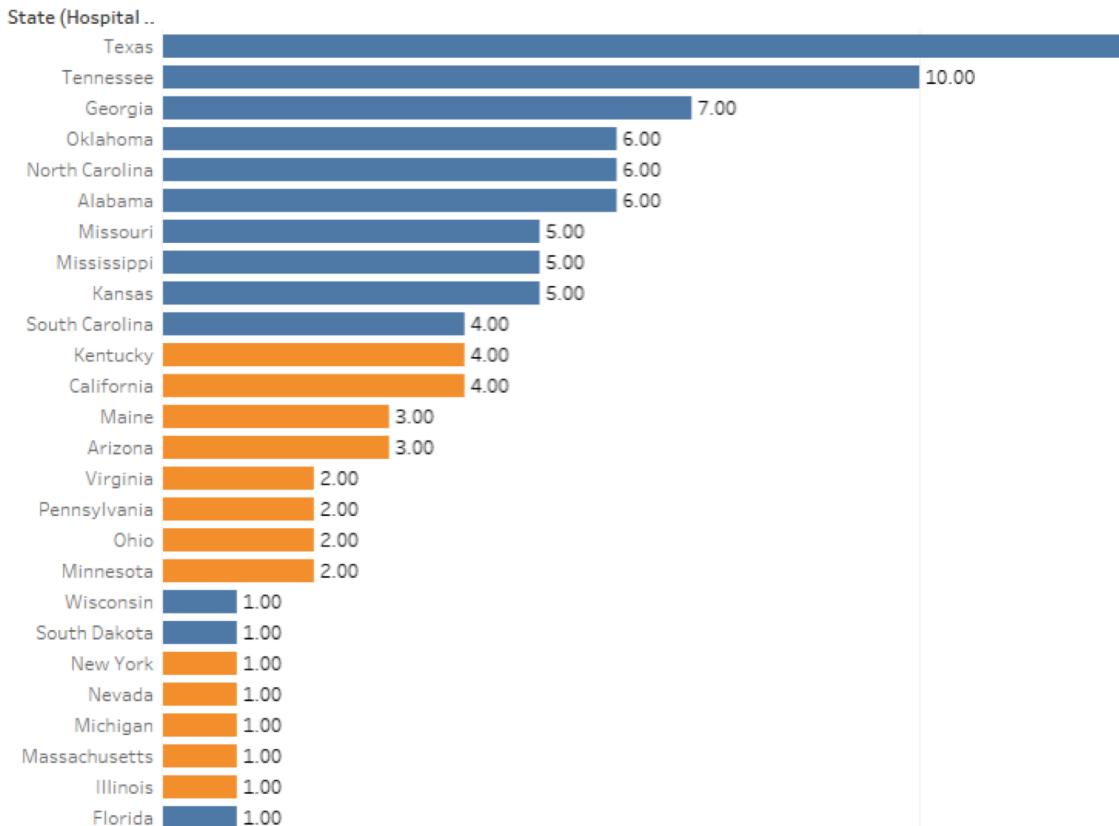
# Problem: Hospital Closures in Rural Areas

- Most Closures in the South
- Mostly for-profit hospitals
- Among Medicare qualifying hospitals
- Medicare is intended to cover the under privileged.
- Non Medicare Expansion States have majority hospital closures.



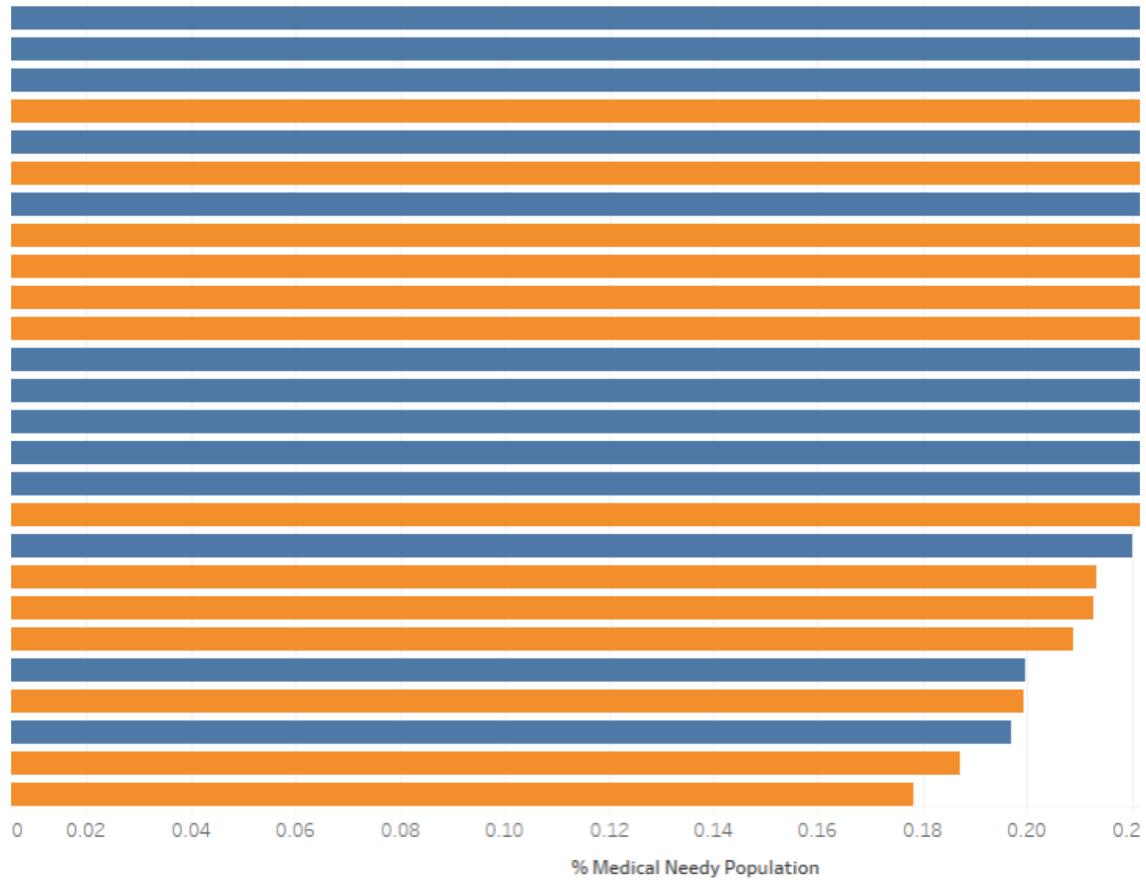
More  
Closed  
Hospitals  
in Non-  
Medicare  
Expansion  
States

### Closed Hospitals by Medicare Expansion



Avg. Closed Hospitals

## of Medically Needy Populations(Veterans, Older Population)



High Medical  
Needs  
Demographics  
in Non-  
Medicare  
Expansion  
States

# Non Expanding States Eligible for Expansion

**Table 1: Uninsured Adults in Non-Expansion States Who Would Be Eligible for Medicaid if Their States Expanded by Current Eligibility for Coverage, 2017**

State	Total	Currently Eligible for Medicaid	Currently in the Coverage Gap (<100% FPL)	Currently May Be Eligible for Marketplace Coverage (100%-138% FPL**)
All States Not Expanding Medicaid	4,861,000	409,000	2,479,000	1,973,000
Alabama	235,000	12,000	140,000	83,000
Florida	884,000	48,000	445,000	392,000
Georgia	503,000	46,000	267,000	190,000
Kansas	86,000	6,000	46,000	34,000
Mississippi	176,000	13,000	103,000	61,000
Missouri	232,000	13,000	124,000	95,000
North Carolina	412,000	33,000	215,000	164,000
Oklahoma	216,000	19,000	111,000	85,000
South Carolina	240,000	30,000	124,000	86,000
South Dakota	32,000	3,000	20,000	9,000

Source: Henry Kaiser Family Foundation Research



## Problem Definition

Analysis of research on issue

Policy Implications?

Social Implications?

Problem scope identification

Problem statement



## Data acquisition

American Communities Survey(ACS)

- Demographic
- Geographic Relationships

Center for Medicare & Medicaid Services(CMS)

- In patient Hospital



## Data Preparation

Joined datasets

Derived needed variables

Data Scope boundaries



## Visualization

Standalone graphs and maps

Dashboard single view

Relevant Data filtering

# Methodology

# Data Analysis

## In Patient Hospital Data

- Medicare Payments
- Providers
- Zip Codes

## Closed Hospitals

- States
- Hospitals

## Non Medicare Expansion

- States
- Expansion Flag

## Rural Definition

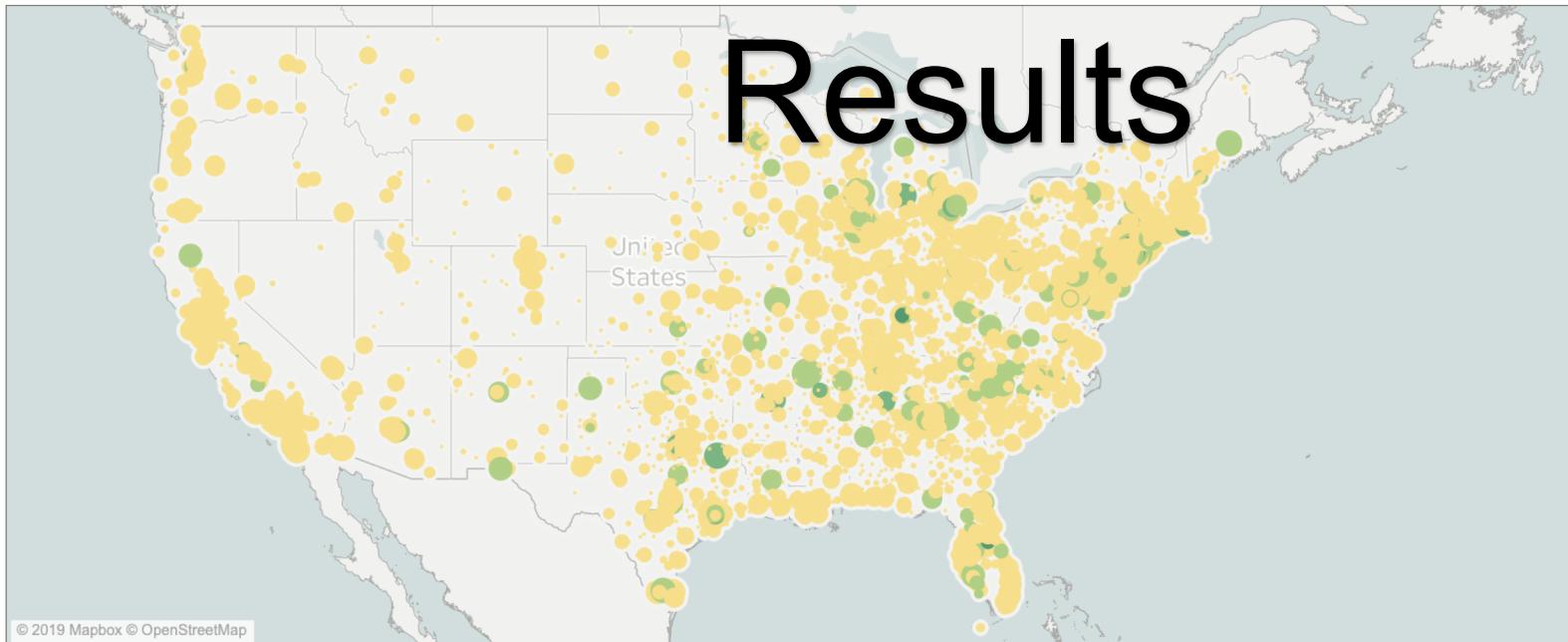
- State
- Geography
- Urban Indicator

## Zip Code Tabulation Area (ZCTA) Relationships

- Zip code level populations
- Census tracts
- Population
  - Medical Needs
    - Veterans
    - Elderly
  - Overall population

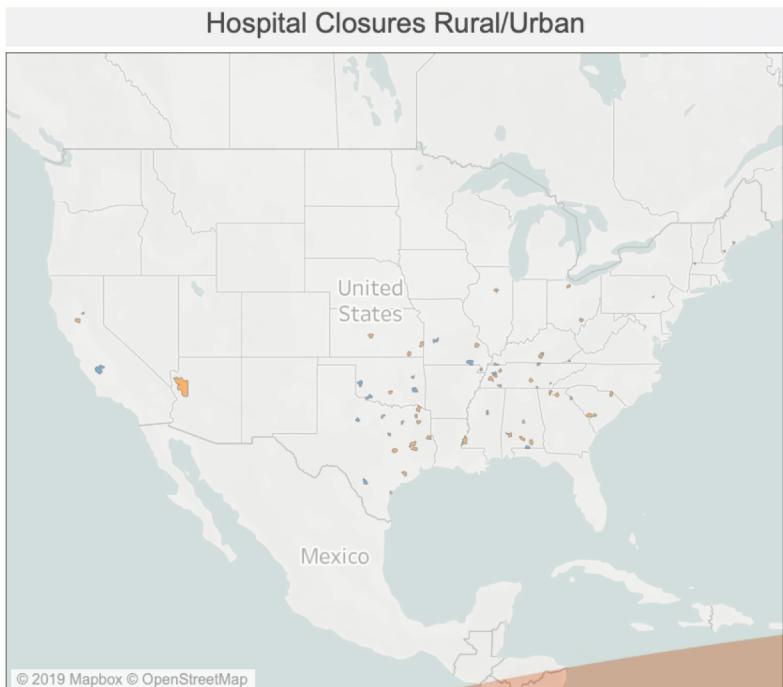
Sum of Data

# Results



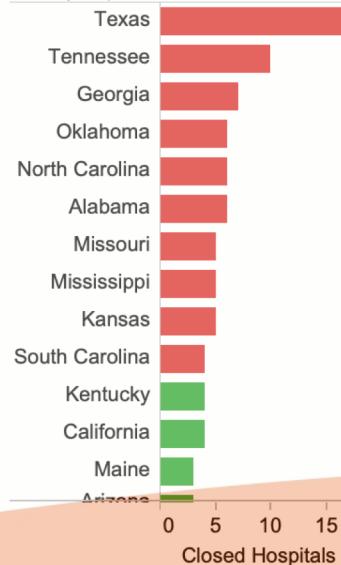
- Region Name
- (All)
  - Midwest
  - North East
  - South
  - West

- Provider State
- (All)
  - AK
  - AL
  - AR
  - AZ
  - CA
  - CO
  - CT
  - DC
  - DE
  - FL
  - GA
  - HI
  - IA
  - ID
  - IL
  - IN
  - KS
  - KY



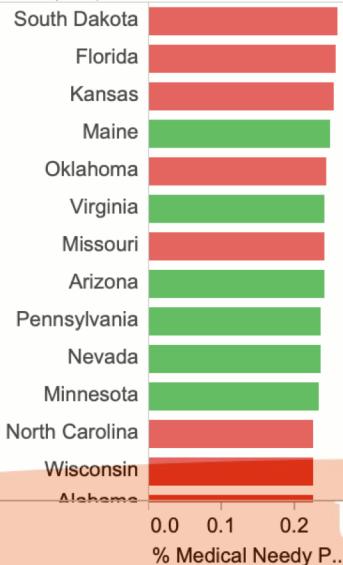
## Hospital Closures and Medicare Expansion

State (Hospital..)



## Medical Need w/Medicare Expansion

State (Hospital..)



Measure Values



Medicare Expansion



UTICA  
COLLEGE

# Future Work



## **For Hospitals At Risk of Closure**

Income generation prospects

Intervention programs

- State and Federal Government



## **Medicare Expansion Medicare Expansion Refusal**

Analysis of Reasons and Political Strategies

Legal Challenges

Activist Pressure



# Demo

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Retrieved from: <https://www.beckershospitalreview.com/finance/state-by-state-breakdown-of-93-rural-hospital-closures.html>. Accessed on 6/25/2019.

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Rural Closures. Umber and Characteristics of Affected Hospitals and Contributing Factors.US Government Accountability Office(GAO).August 2018.  
Retrieved from: <https://www.gao.gov/assets/700/694125.pdf>. Accessed on 6/28/2019.

---

**Garfield, R. Orgera, K. and Damico, A. Mar 21, 2019.**

**The Coverage Gap: Uninsured Poor Adults in States that Do Not Expand Medicaid.** Retrieved from; <https://www.kff.org/medicaid/issue-brief/the-coverage-gap-uninsured-poor-adults-in-states-that-do-not-expand-medicaid/>. Accessed on 6/29/2019.

---

Center for Medicaid Services (2014). Inpatient Prospective Payment System (IPPS) Provider Summary for the Top 100 Diagnosis-Related Groups (DRG) - FY2011. Retrieved from <https://data.cms.gov/Medicare-Inpatient/Inpatient-Prospective-Payment-System-IPPS-Provider/97k6-zzx3> (Accessed 05/31/2019).

---

Dellasega, Dave (2018). The Rural Health Care Challenge, Cerner, August 15, 2018. Retrieved from <https://www.cerner.com/blog/the-rural-health-care-challenge> (Accessed 06/05/2019).

---

Ellison, Ayla (2019). State-By-State Breakdown of 102 Rural Hospital Closures, Hospital CFO Report March 20th, 2019. Retrieved from <https://www.beckershospitalreview.com/finance/state-by-state-breakdown-of-102-rural-hospital-closures.html> (Accessed 6/11/2019).

---

Rural Health Information Hub (ND). Healthcare Access in Rural Communities. Retrieved from <https://www.ruralhealthinfo.org/topics/healthcare-access> (Accessed 06/03/2019).

---

Searing, Adam (2018). More Rural Hospitals Closing in States Refusing Medicaid Coverage Expansion, Rural Hospital Policy Project October 29, 2018. Retrieved from <https://ccf.georgetown.edu/2018/10/29/more-rural-hospitals-closing-in-states-refusing-medicaid-coverage-expansion/> (Accessed 6/13/2019).

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Warshaw, Robin (2017). Health Disparities Affect Millions in Rural U.S. Communities, Association of American Medical Challenges, October 31, 2017. Retrieved from <https://news.aamc.org/patient-care/article/health-disparities-affect-millions-rural-us-commun/> (Accessed 06/05/2019).

# Citations/References