

# How did local health infrastructure and socio-political factors within different states and counties in the United States affect the disparities in COVID-19 outcomes, and what lessons can be learned for more targeted public health preparedness and response strategies in future pandemics?\*

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First sentence. Second sentence. Third sentence. Fourth sentence.

## Table of contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
<b>2</b>	<b>Data</b>	<b>2</b>
2.1	Source . . . . .	2
2.2	Methodology . . . . .	2
2.3	Data Measurement . . . . .	2
2.4	Data cleaning . . . . .	2
<b>3</b>	<b>Results</b>	<b>2</b>
<b>4</b>	<b>Discussion</b>	<b>3</b>
4.1	Influence of political polarization on adherence to health guidelines. . . . .	3

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\*Code and data are available at: <https://github.com/hannahyu07/US-Covid-Analysis.git>

4.2	Impact of government transparency and consistent communication on public trust. . . . .	3
4.3	Role of social vulnerabilities and healthcare access disparities in pandemic impact.	3
4.4	Strategies for improving real-time data collection and sharing for public health decisions. . . . .	3
4.5	Weaknesses and next steps . . . . .	3
<b>5</b>	<b>References</b>	<b>4</b>

## 1 Introduction

*This reproduction was performed after a replication on the Social Science Reproduction platform: [link here](#)*

## 2 Data

### 2.1 Source

The datasets utilized throughout this paper was obtained from the original paper.

### 2.2 Methodology

### 2.3 Data Measurement

### 2.4 Data cleaning

## 3 Results

Our results are summarized in Figure [1](#).

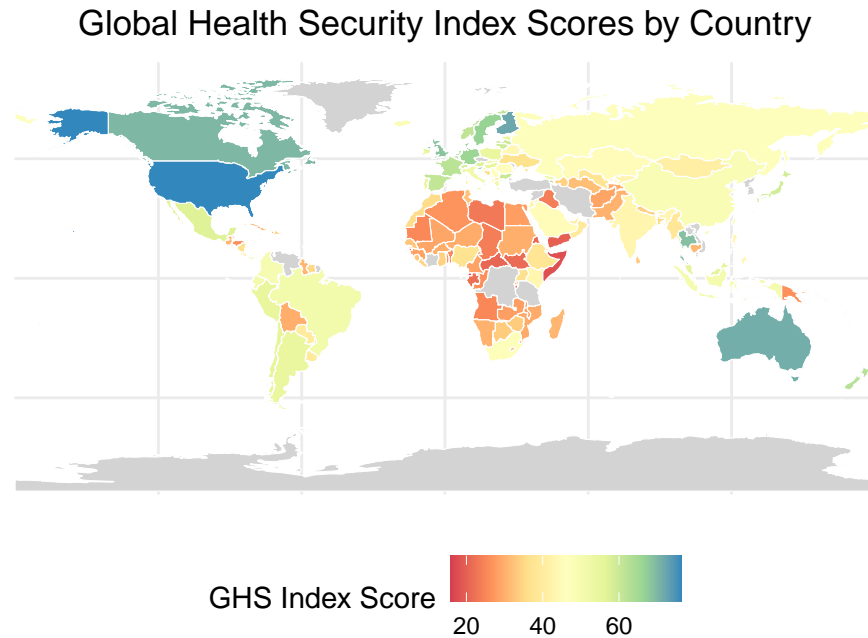


Figure 1: Global Health Security Index Scores by Country

## 4 Discussion

- 4.1 Influence of political polarization on adherence to health guidelines.
- 4.2 Impact of government transparency and consistent communication on public trust.
- 4.3 Role of social vulnerabilities and healthcare access disparities in pandemic impact.
- 4.4 Strategies for improving real-time data collection and sharing for public health decisions.
- 4.5 Weaknesses and next steps

Weaknesses and next steps should also be included.

## 5 References