



# Improving Healthcare Access for All Texans During and After COVID-19

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# College of Medicine

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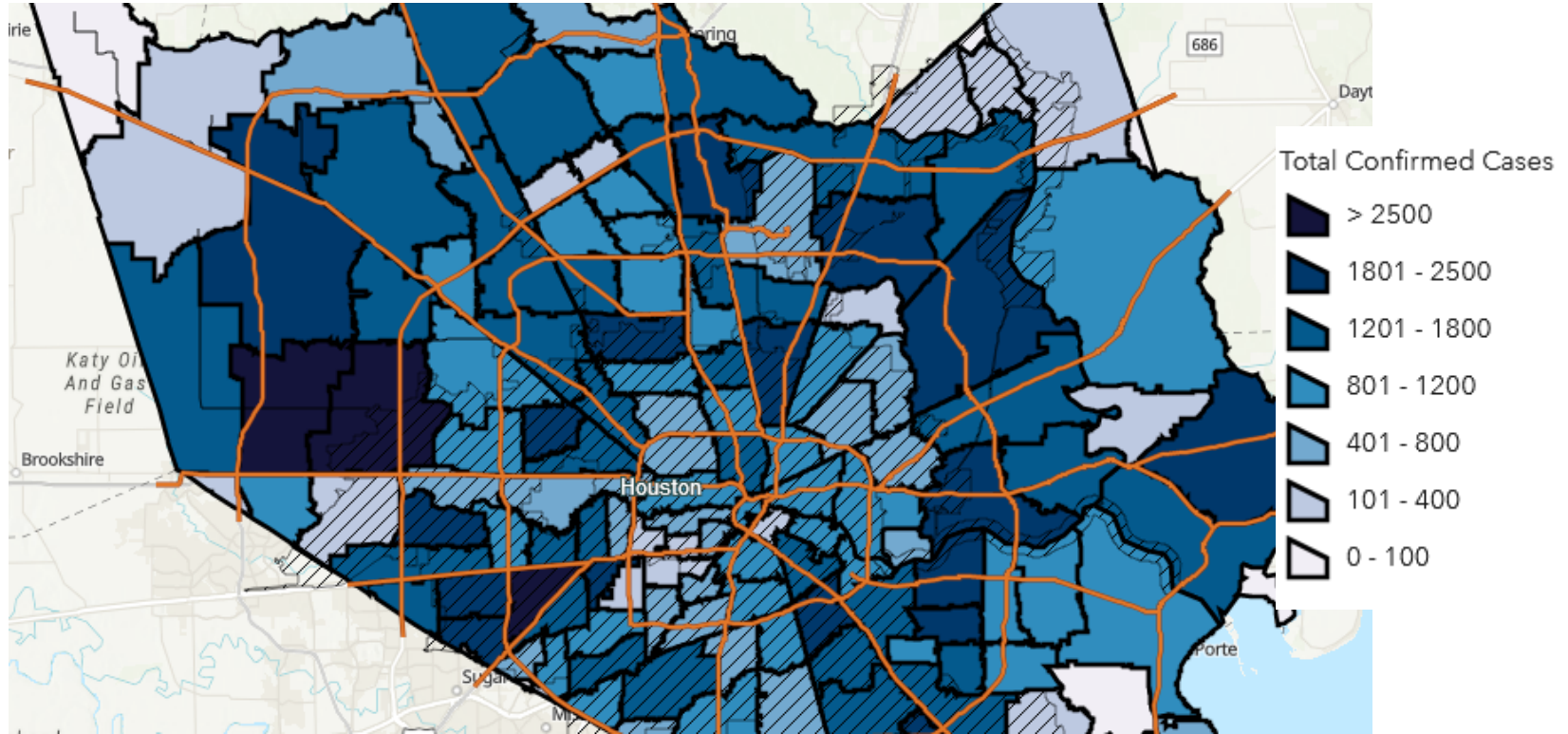


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# Mary

- 45 year-old, mother of 2 and caretaker for her 80 year-old father
- Has asthma
- Was working at a restaurant but lost her job
- Now, she is unable to pay for food, her medication, or the costs associated with seeing a provider

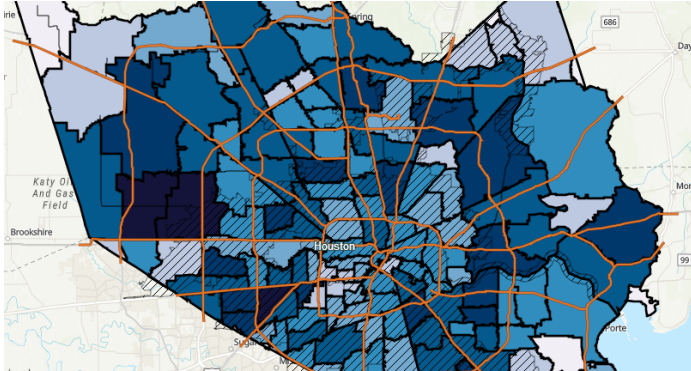
# Confirmed COVID-19 Cases by Zip Code



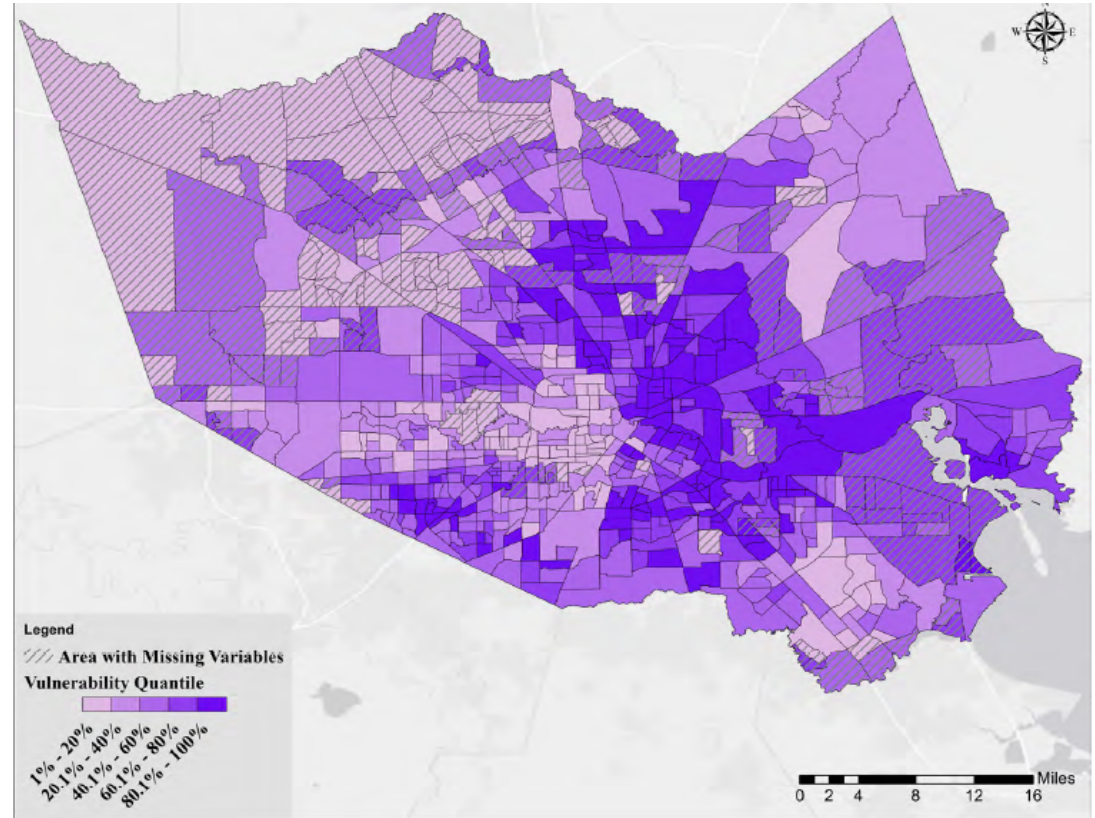
<https://harriscounty.maps.arcgis.com/apps/opsdashboard/index.html#/c0de71f8ea484b85bb5efcb7c07c6914>

# Predicting COVID-19 Risk

Actual



Predicted



Kiaghadi A, Rifai H, Liaw W. Assessing COVID-19 Risk, Vulnerability and Infection Prevalence in Communities. Manuscript accepted at PLOS ONE.



# Social Deprivation Index

Houston, TX

Census Tract Level

## Dimension of deprivation

Single parent

Poor

No car

Education

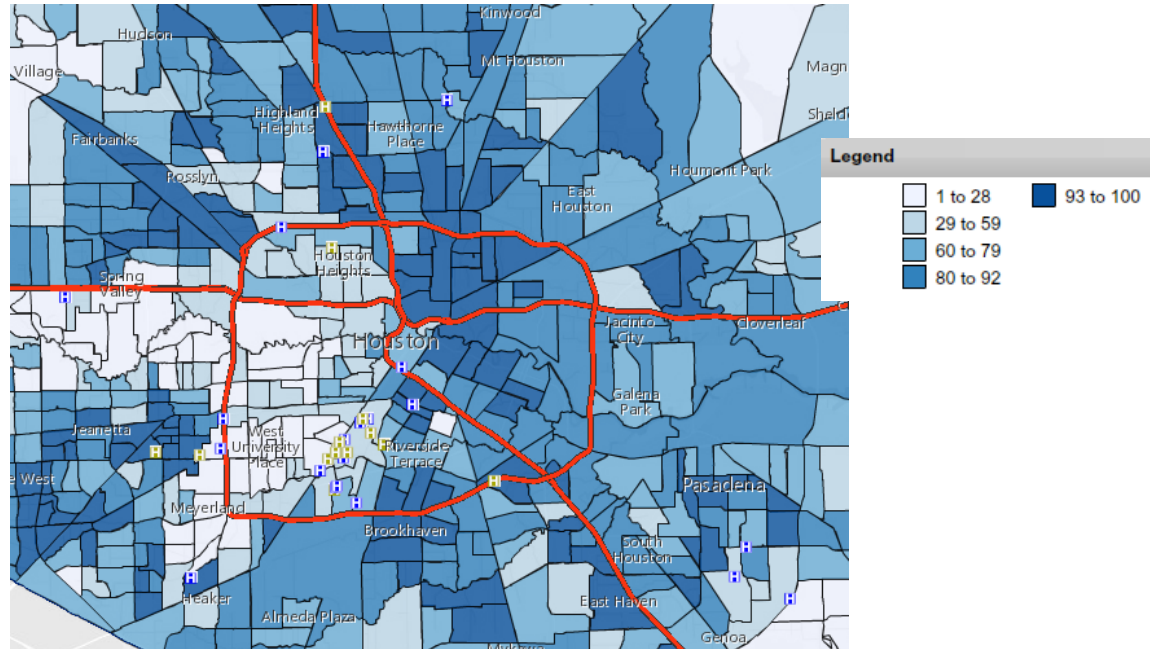
Home ownership

Employment

Crowding

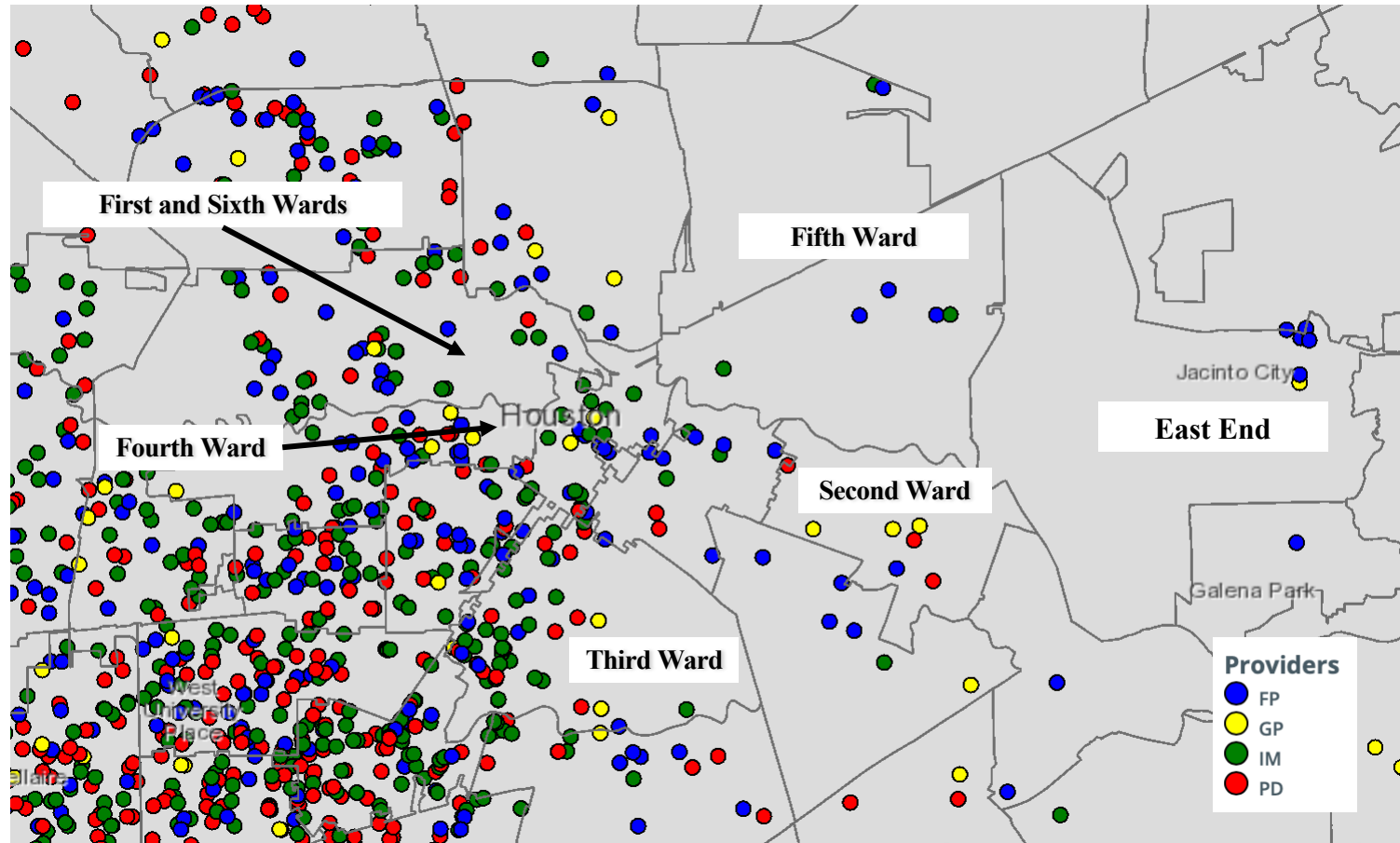
Race

Age



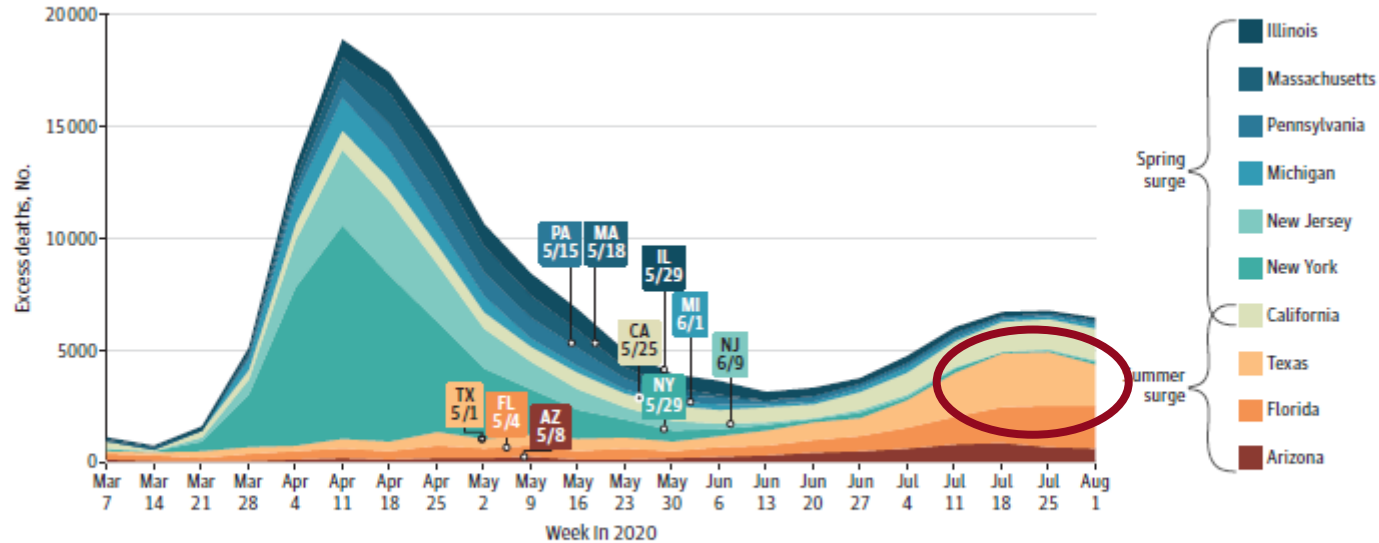
Phillips RL, Liaw W, Crampton P, et al. How Other Countries Use Deprivation Indices--And Why The United States Desperately Needs One. *Health Aff (Millwood)*. 2016;35(11):1991-1998. doi:10.1377/hlthaff.2016.0709.

# Primary Care Provider Distribution in Houston



Source: AMA Workforce Mapper

Figure. Excess Deaths From March to July 2020 in Selected States



The figure plots weekly excess deaths for the 10 states with the largest number of excess deaths during March-July 2020. Reopening dates refer to the lifting of broad coronavirus disease 2019 restrictions, as reported by the *New York Times*.<sup>6</sup>

## Excess Deaths From COVID-19 and Other Causes, March-July 2020



# Food Insecurity



More than 3,000 vehicles lined up at Northeast Early College High School in Austin on April 4 to pick up boxes of food. © Ricardo B. Brazziel/USA TODAY NETWORK via Reuters

Schanzenbach, D. W., & A. Pitts. (2020). *How much has food insecurity risen? Evidence from the Census Household Pulse Survey*. Institute for Policy Research Rapid Research Report. <https://www.ipr.northwestern.edu/documents/reports/ipr-rapid-research-reports-pulse-hh-data-10-june-2020.pdf>

# Changes in Loneliness and Social Contacts, 2018 to 2020

October 2018		March–June 2020
<b>34%</b>	felt a lack of companionship	<b>41%</b>
<b>27%</b>	felt isolated from others	<b>56%</b>
<b>28%</b>	had infrequent social contact	<b>46%</b>

<https://www.healthyagingpoll.org/report/loneliness-among-older-adults-and-during-covid-19-pandemic>

It has left me without a job and the stress of providing for my family. Our entire family got COVID and one member of the family has been in the hospital for the past 2 weeks.

I used to go shopping but now I'm worried and don't go anymore. I'm mostly at home now. I am certain that if i get the virus that I wouldn't make it.

I haven't been able to socialize. My brother passed away because of [coronavirus]. My son was sick too.

It was hard getting help before the epidemic and now it's gotten worse. Even getting food is hard.

I don't have medicine because I haven't seen the doctor.

I have cancelled every appointment...I will not leave this house unless it is a medical emergency.

My baby has bad asthma, and no doctors want to see him.

I have no one to take me to and from the doctor.

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<https://www.coursera.org/learn/contact-tracing-for-covid-19>