

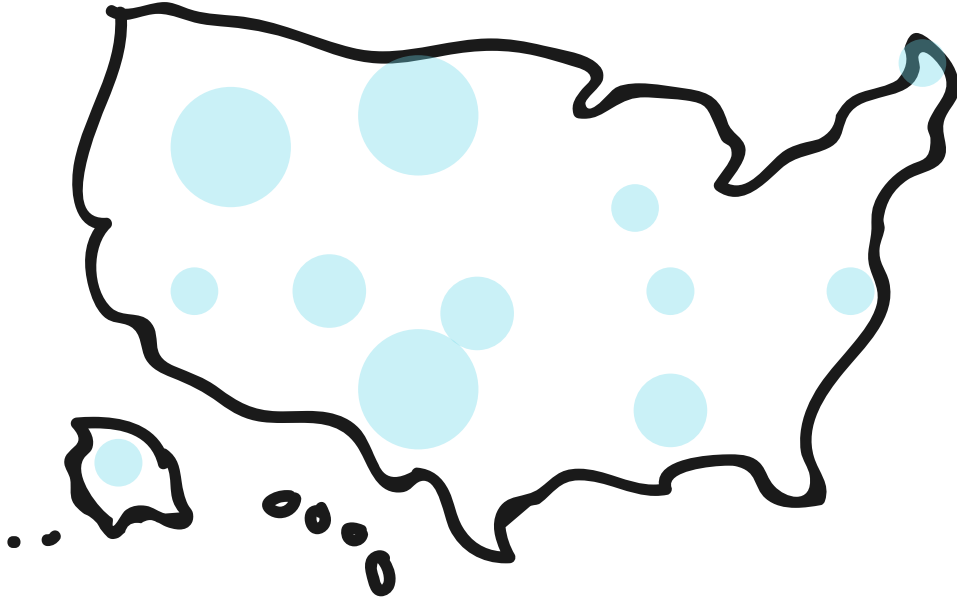
Raider Medical Screening Society

Combatting Health Disparities in West Texas

Created by: Rebecca Joseph



USA



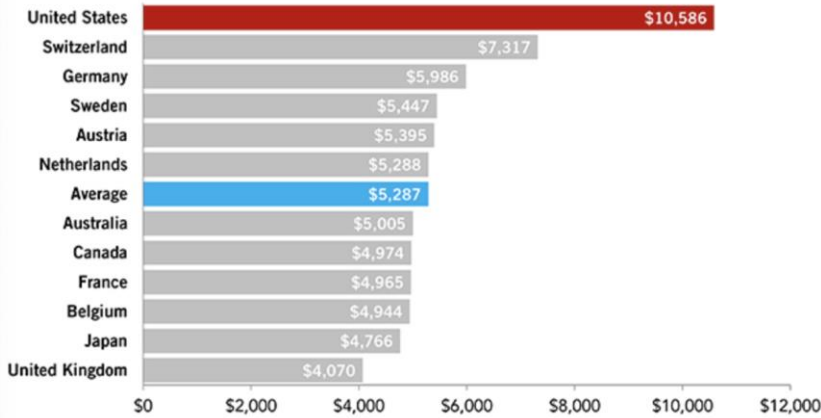
Gross National Product: Rank #1

Healthcare Expenditure: \$3.6 trillion

Life Expectancy: Rank #35

How do we compare?

HEALTHCARE COSTS PER CAPITA (DOLLARS)

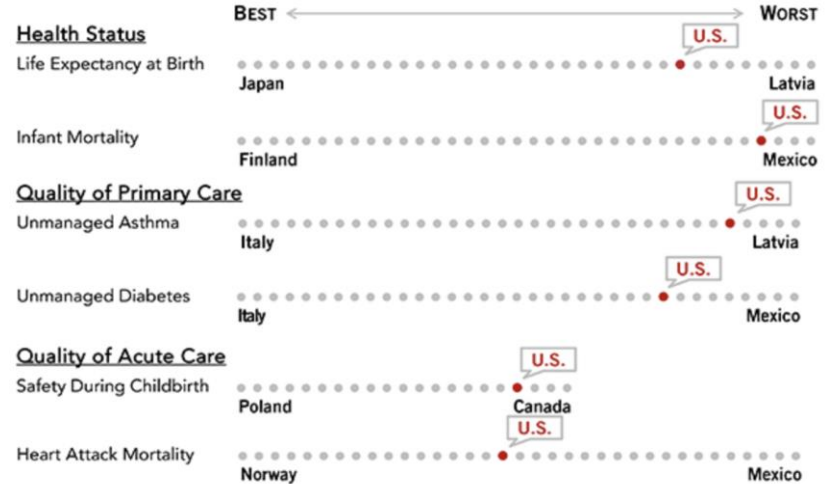


SOURCE: Organisation for Economic Cooperation and Development, OECD Health Statistics 2019, July 2019.
 NOTES: Data are for 2018. Chart uses purchasing power parities to convert data into U.S. dollars. Average is for other wealthy OECD countries with above median GDP and above median GDP per capita.

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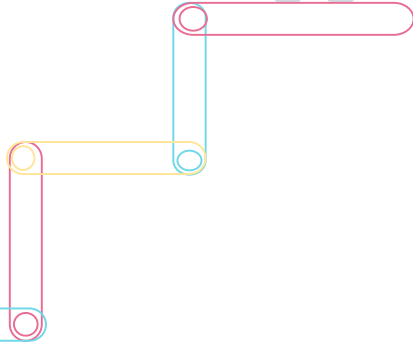
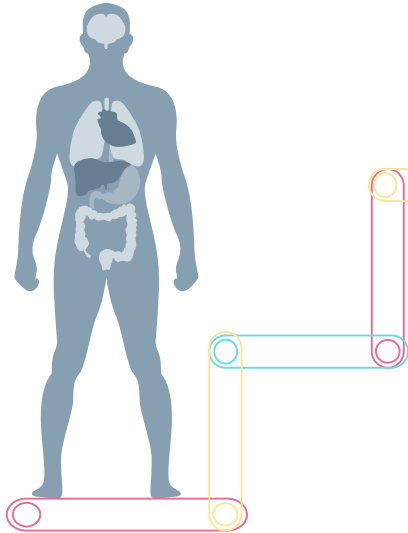
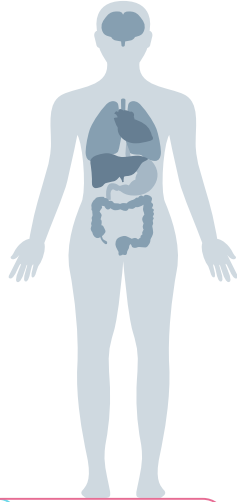
Health Status



SOURCE: Organisation for Economic Cooperation and Development, OECD Health Statistics 2019, July 2019.
 NOTES: Data are not available for all countries for all metrics. Data are for 2017 or latest available.

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Health Inequity

Avoidable inequalities in health between groups of people within countries and between countries.

A Vicious Cycle



Racially Distributed
FHA Loans 1960's



Separation of people of
color into neglected
neighborhoods



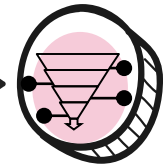
1980's: Poor latino
and asian immigrants
joined these
neighborhoods



No commercial base



No banks, no shops,
and low quality
healthcare



Community begins
going downhill and
no one invests



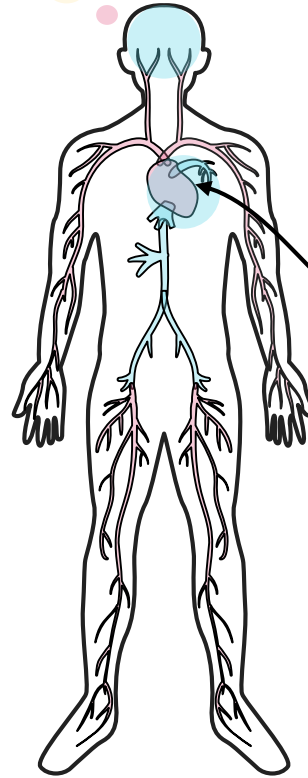
Low community tax



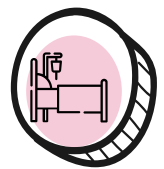
Feedback into schools -
poor education



Probability of staying
in these areas
increase



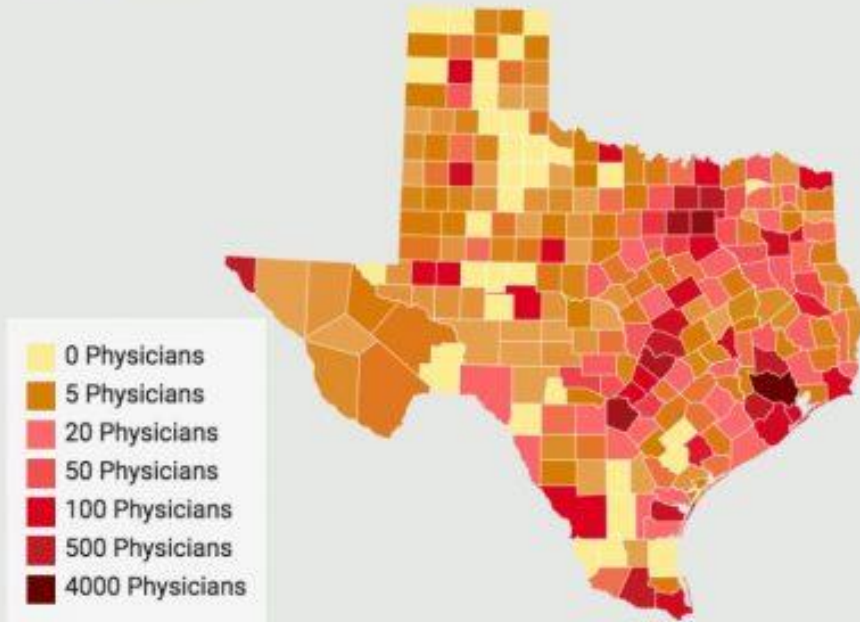
Chronic Stress
leads to increased levels
of cortisol and adrenaline.



Additions to the
Cycle

West Texas

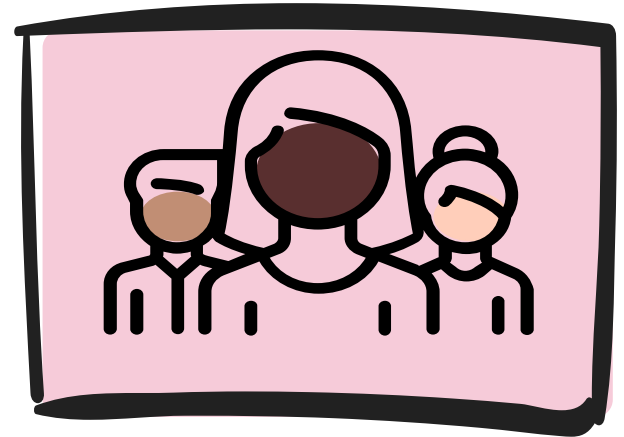
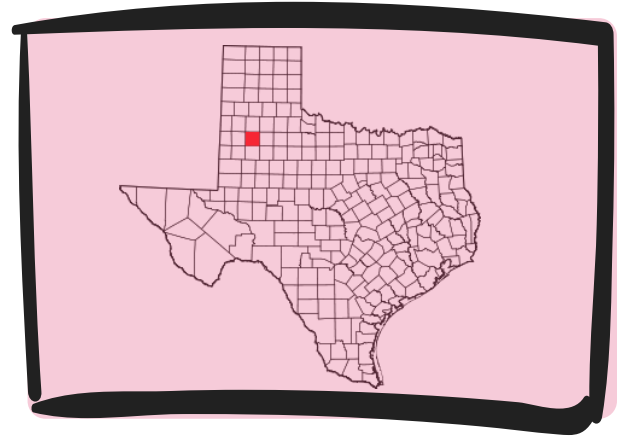
The Rural Health Care Crisis, Mapped



- Provider Shortage
- 35 counties with no physicians at all
- Shortage of Primary Care
Physicians are expected to increase 67% by 2030

Lubbock

- Close to 18% of Lubbock county resides below the poverty line
- 15.4% of adults are medically uninsured under the age of 65
- 33,000 diagnosed with diabetes each year
- 85,000 diagnosed with pre-diabetes
- 26% of population is obese



Study by University of Cambridge

DELAY OF TREATMENT: 3 YEARS

22.4 percent with type 2 diabetes would experience a cardiovascular disease event, such as stroke or heart bypass surgery.

DELAY OF TREATMENT: 6 YEARS

25.9 percent with type 2 diabetes would experience a CDE. With screening and routine care, only 18.4 percent would experience a cardiovascular disease event at 10 years after baseline.

MORTALITY WITH AND WITHOUT SCREENINGS

The simulated incidence of all-cause mortality was 16.4 percent with a delay of three years and 18.2 percent with a delay of six years, compared to 14.6 percent for screening and treatment.

MODEL AT 10 YEARS

With undiagnosed type 2 diabetes, screening would be associated with a 29% reduction in relative risk of a cardiovascular disease event compared with a delay of six years in diagnosis and treatment.

RMSS: Screenings



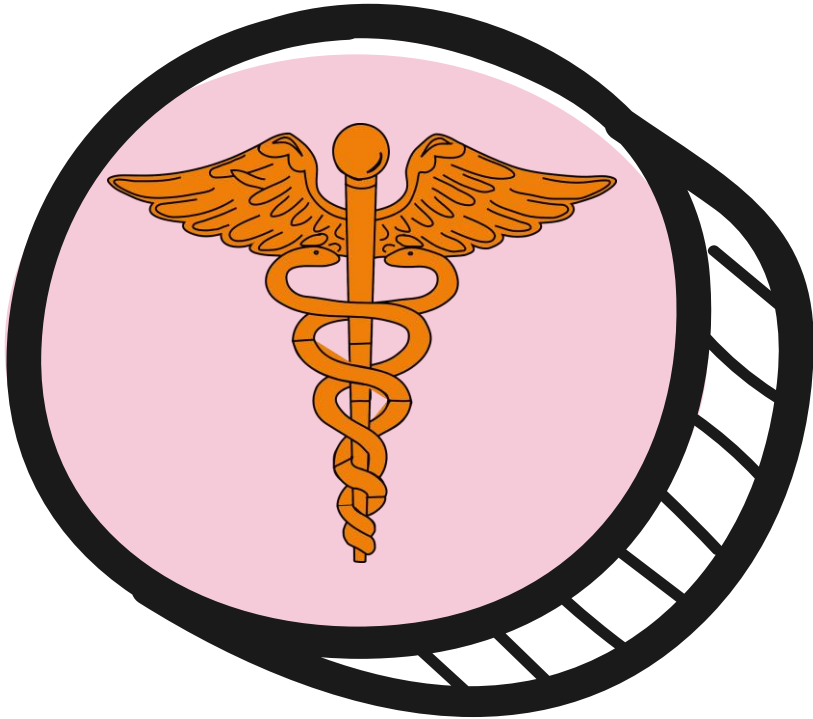
- Take basic vitals to detect precursory symptoms of cardiovascular disease for low-income population
- Undergraduate Pre-Health Students gain experience and interpersonal skills
- Reduced ER visits and readmission rates

Where we are TODAY?

- New organization: Started Screenings in late January/February 2020
- Made connections with temporary housing shelters & community assistance organizations
- COVID-19 and shutdown

- Partnership with ULabs Makerspace and drsonline.org (telehealth platform)
- Referral Program with Larry Combest Clinic

RMSS: Health Education



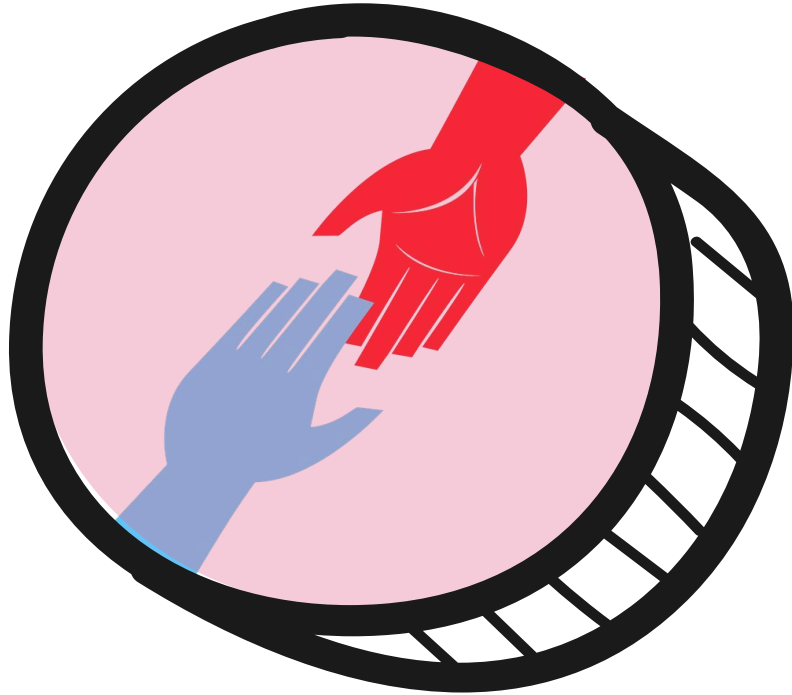
- Keep our members educated
- Educating the community
 - Healthy Food/Cooking Interest Group
 - Insurance Sign-Ups

RMSS: Volunteering

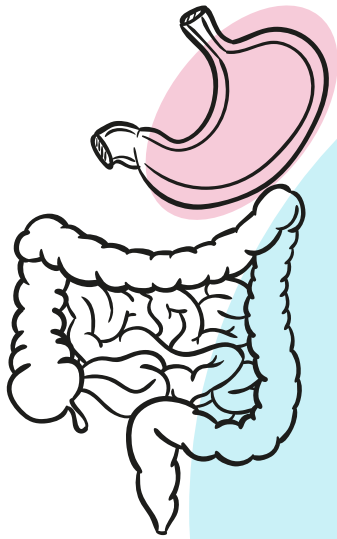


- Volunteering at Organizations in Lubbock
- Making Face Shields to help with the COVID-19 pandemic

RMSS: Outreach



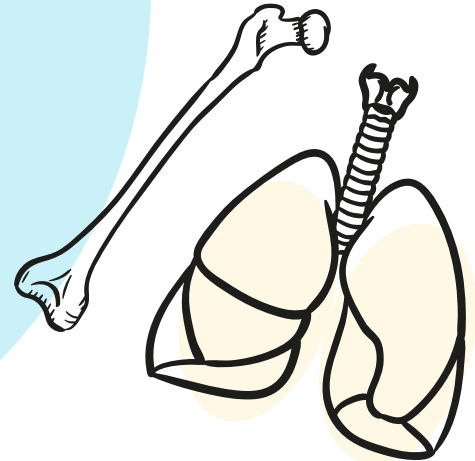
- Lubbock High School Outreach Project



THANKS!

Healthcare should be a right, not a privilege. The first step towards better health care for all is recognizing where we are lacking and seeing what you can do to fix it!

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