



Health Horizon

Bringing healthcare data to your
fingertips.



Before we start, let's hear it from

Why we need yet another dashboard!



Peter

A NY resident moving to California



Maria

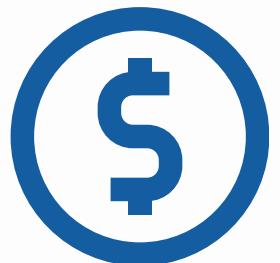
A program specialist at Los Angeles county



Rashid

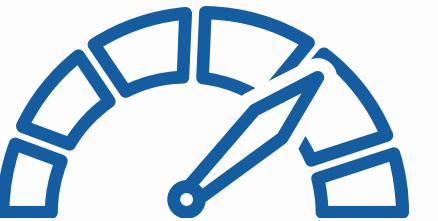
Healthcare worker with NGO in San Mateo

More money != Better Healthcare



Healthcare Spending

The U.S. spends far more on healthcare per capita (**\$12,555 in 2022**) than any other wealthy country. The next highest was Switzerland at **\$8,049**.



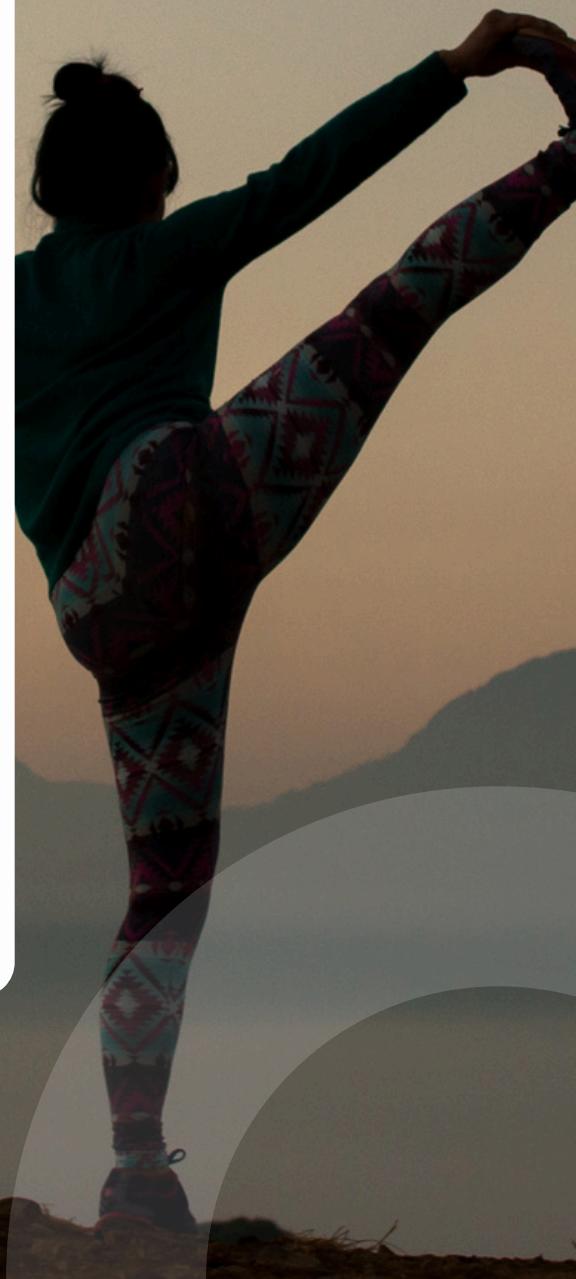
Health Indicators

Highest rates of birth mortality, STDs, motor vehicle crashes, injuries, homicides, drug-related mortalities and more.



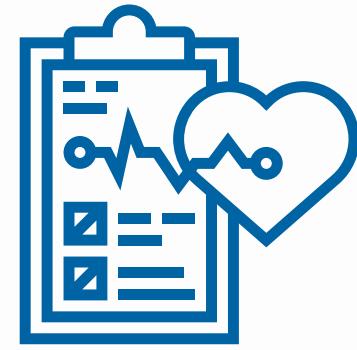
Access and Affordability

The U.S. is the only wealthy country without universal health coverage. **50% +** working-age Americans report skipping or delaying care due to high out-of-pocket costs.



Healthcare Snapshot : California

The state announced 300M funding to solve



Healthcare access



Mental Health



Safer Communities

The effects are yet to be seen as the state ended in \$69Billion deficit and pulled it back. So back to where we started.

With no money coming in everyone in the stakeholder pipeline needs to become better at preventive care.



Introducing 'Health Horizon,' a dedicated dashboard designed for every healthcare stakeholder to implement preventive care strategies effectively and independently.

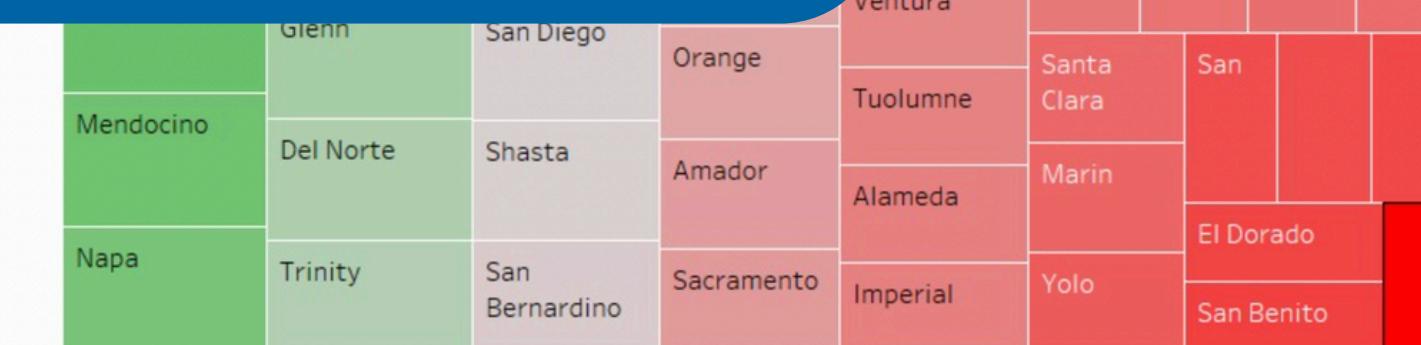


County Safety Score

Siskiyou	Nevada	San Francisco		Alpine		Colusa	Del Norte
Shasta	Santa Clara	Mendocino	Inyo	Sierra	Trinity	Lake	Yuba
Marin	Tuolumne	Glenn	Lassen				Placer
Humboldt	El Dorado	Contra Costa	Mariposa	Orange	Butte	Santa	Kings
San Mateo	Los Angeles	San Diego	Modoc	San Joaquin	Yolo	Sutter	Sutter
Kern	San Bernardino	Sacramento	Mono	Tulare	San Benito	Santa Cruz	Madera

Healthcare Access Scores

Los Angeles	San Bernardino	San Joaquin	Santa Clara
Sacramento	Kern	Glenn	
San Diego	Yuba	San Francisco	
Alameda	California	Lassen	
Solano	Orange	Sutter	
Lake	Riverside	Madera	Monterey



WHAT DOES IT DO?



ACCESS TO DATA

Get instant access to accurate and up-to-date health data, enabling everyone to make informed decisions and track progress over time.

IMPROVE INITIATIVES & AWARENESS

Utilize actionable insights to develop targeted initiatives, raise awareness about health disparities, and promote health equity in community.

REDUCES HEALTH COSTS

By identifying areas of inefficiency and optimizing resource allocation, stakeholders can reduce healthcare costs and allocate resources more effectively, improving overall health outcomes.

Meet The Team



Anurag



Bijay



Dhanashree



Lalitha



Sai



Suyog

a day in life OF OUR PERSONAS



Maria

PROGRAM
SPECIALIST

LOS ANGELES

Maria is responsible for developing and implementing health equity programs in Los Angeles County. However, she faces significant challenges in accessing and analyzing data, which is scattered across multiple websites and databases. She has to conduct all data analysis herself, which is time-consuming and limits her ability to focus on program development and implementation.

GOALS

Improve health equity and access to healthcare for underserved communities in Los Angeles County

MOTIVATIONS

- KPI Improvement
- Satisfaction
- Professional Growth

PAIN POINTS

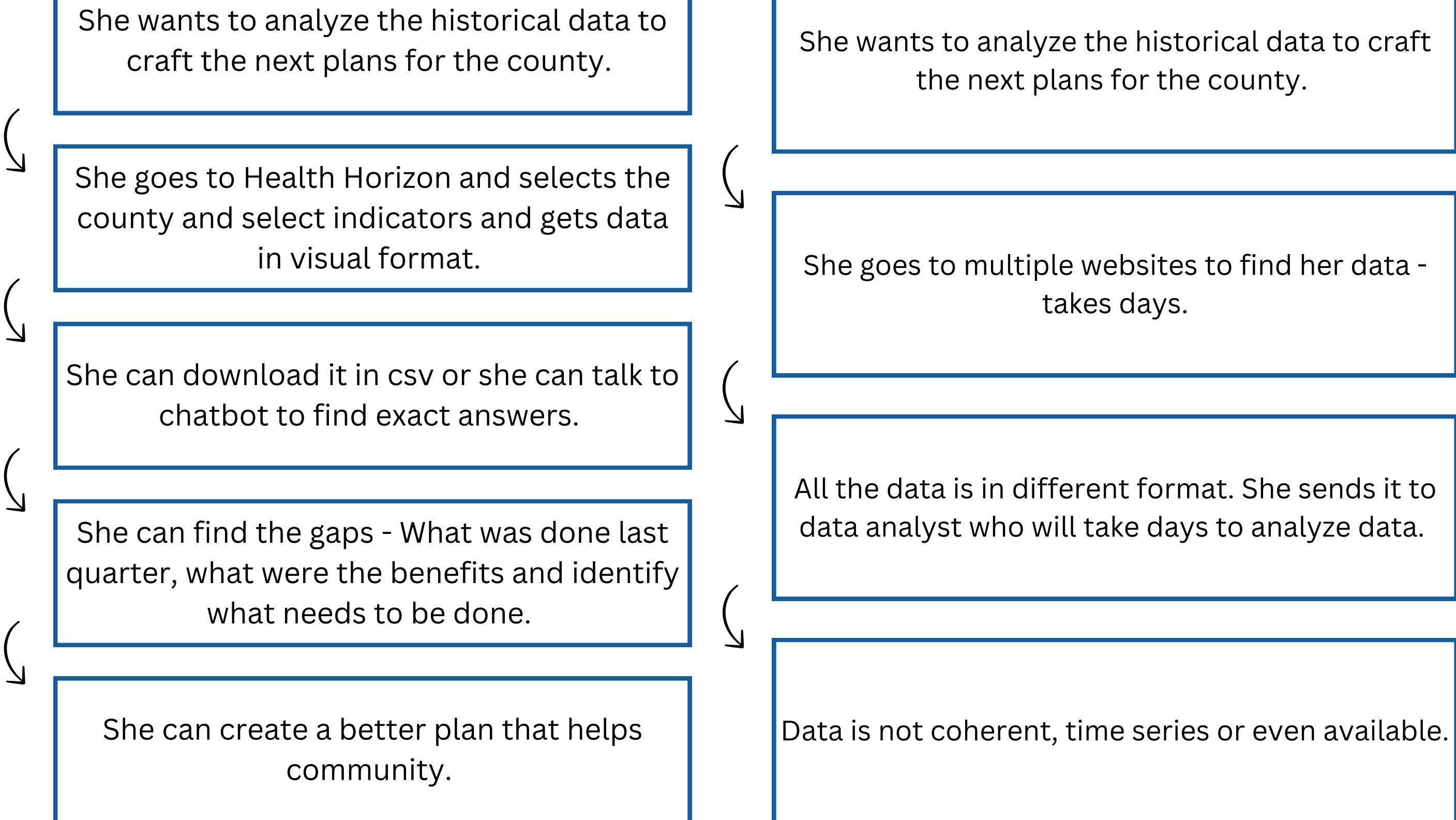
- Data silos and lack of access to county-level data
- Limited resources for data analysis and program implementation
- Gaps in planning and implementation leading to low satisfaction and ineffective programs
- Difficulty in identifying trends and tracking progress over time

NEEDS

- A centralized dashboard with county-level data and time series analysis
- AI-powered chatbot for data analysis and program recommendations
- Ability to track progress and identify trends over time
- Enhanced collaboration and resource allocation for program implementation



Maria



TIME

Minutes vs days

COSTS

Low vs High

EFFORT

Low vs high

USABILITY

High vs Low



Rashid

HEALTHCARE
WORKER

SAN MATEO

Rashid has been working to reduce hospital admissions among the elderly in San Mateo County. He initially focused on providing support systems to prevent falls, but later discovered that vision impairment was the underlying cause of many falls due to limited access to vision services in the area.

GOALS

Improve health outcomes for the elderly population in San Mateo County

MOTIVATIONS

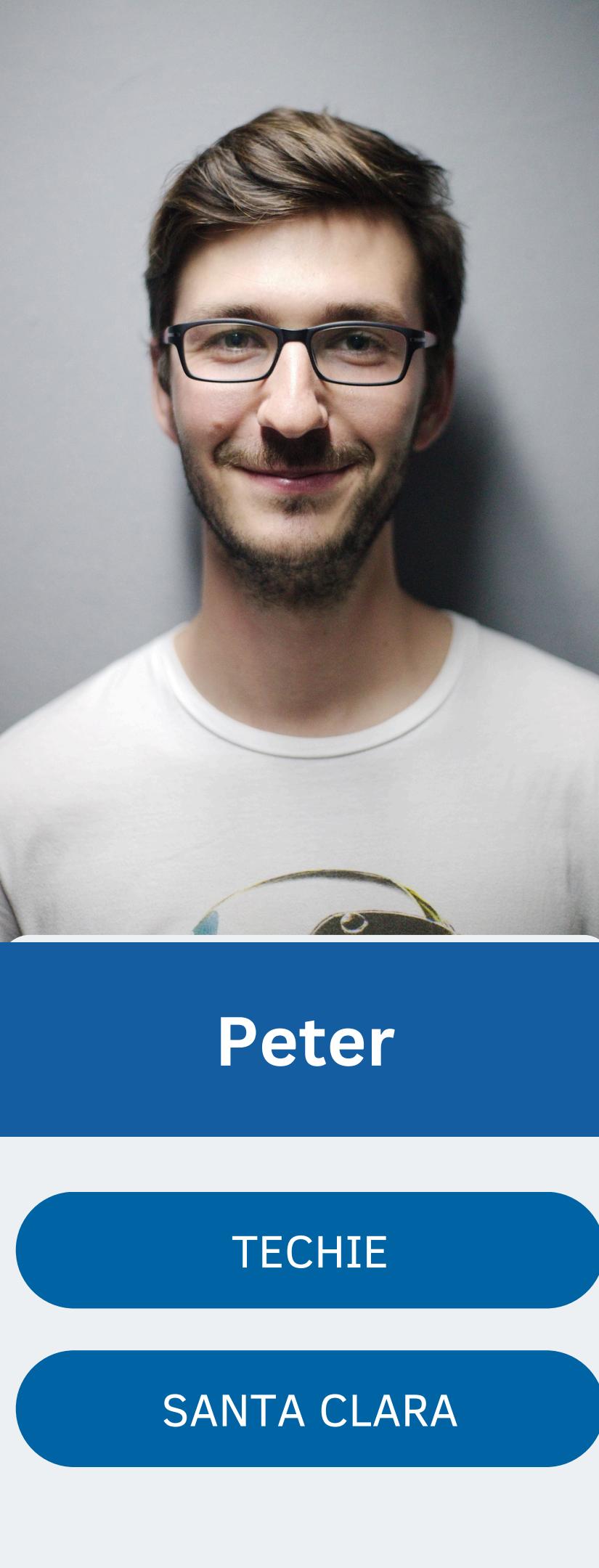
- Health improvement
- Satisfaction
- Accountability

PAIN POINTS

- Lack of access to accurate and timely data on health trends and disparities
- Limited resources and budget to address health equity gaps
- Difficulty in identifying and addressing root causes of health issues
- Inefficient use of resources due to misdirected solutions

NEEDS

- A data-driven approach to understand health trends and disparities
- Access to accurate and up-to-date data on vision services and health outcomes
- Ability to track progress and evaluate the effectiveness of interventions
- Collaboration tools to work with stakeholders and community organizations



Peter

TECHIE

SANTA CLARA

Peter is a busy working professional who values his health and well-being. He wants to stay informed about health resources and services in his community, particularly for his aging parents who live with him.

GOALS

Stay informed about health resources and services in his community

MOTIVATIONS

- Stay informed
- Support Family
- Improve Life Quality

PAIN POINTS

- Difficulty finding reliable health information
- Limited time for research
- Confusion about new plans and initiatives

NEEDS

- Easy access to trusted health information
- Streamlined search and comparison tools
- Clear guidance on initiatives and plans

How do we
SAVE MONEY..

Benefit Analysis

VALUE PREPOSITION

**Reduction in
Hospitalization**

**Increased success rate
for healthcare
initiatives**

**Increased donations to
non-profit health
organizations**

BENIFITS DRIVER

On average 5% families stay healthier leading to \$1000 savings annually.
 $(0.05*100,000/3)*\$1000= \$1,667,000$ savings

5% reduction in health expenditures due to correct lifestyle improvement in community
 $0.05 * 5,000 * 100,000 = \$25,000,000$

10% uptick in donors for non profit organizations
 $0.1*50,000 = \$ 5000/organization$

YEARLY BENIFITS

\$1.6 M

\$25 M

**\$5,000/
organization**

Benefit Analysis

VALUE PREPOSITION

**Reduction in
Hospitalization**

**Increased success rate
for healthcare
initiatives**

**Increased donations to
non-profit health
organizations**

BENIFITS DRIVER

Increased awareness of health risks among citizens leads to better preventive measures, reducing hospitalizations. The money saved can be redirected to other community causes.

Government officials accessing various health scores from the dashboard can improve the success rate of their initiatives.

Easy access to health data improves efficiency for non-profit organizations, leading to better health outcomes. These improved outcomes, in turn, increase donations to the organizations.

YEARLY BENIFITS

\$1.6 M

\$25 M

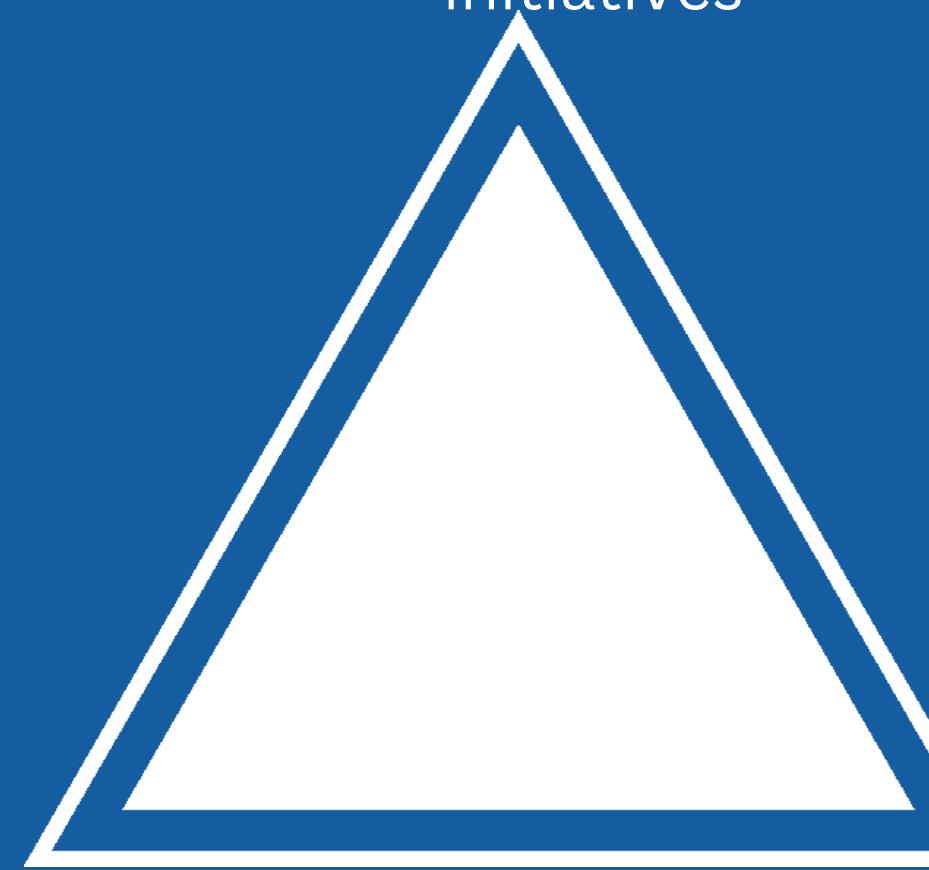
**\$5,000/
organization**

How do we
HELP STAKEHOLDERS?

The Golden Triangle

Administrators

Easy access to patient data for better plans and initiatives

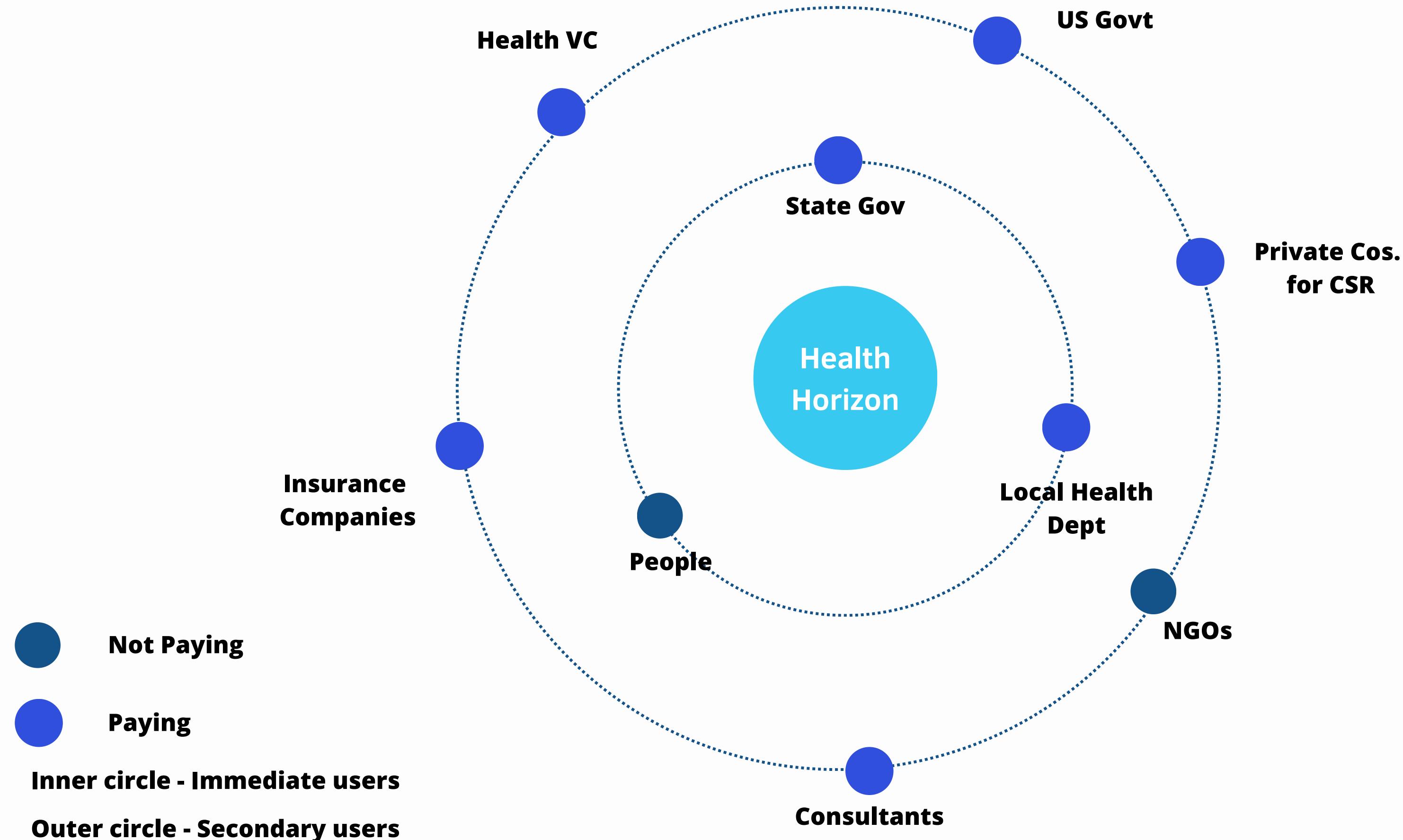


Patients

Monitor county level data regularly

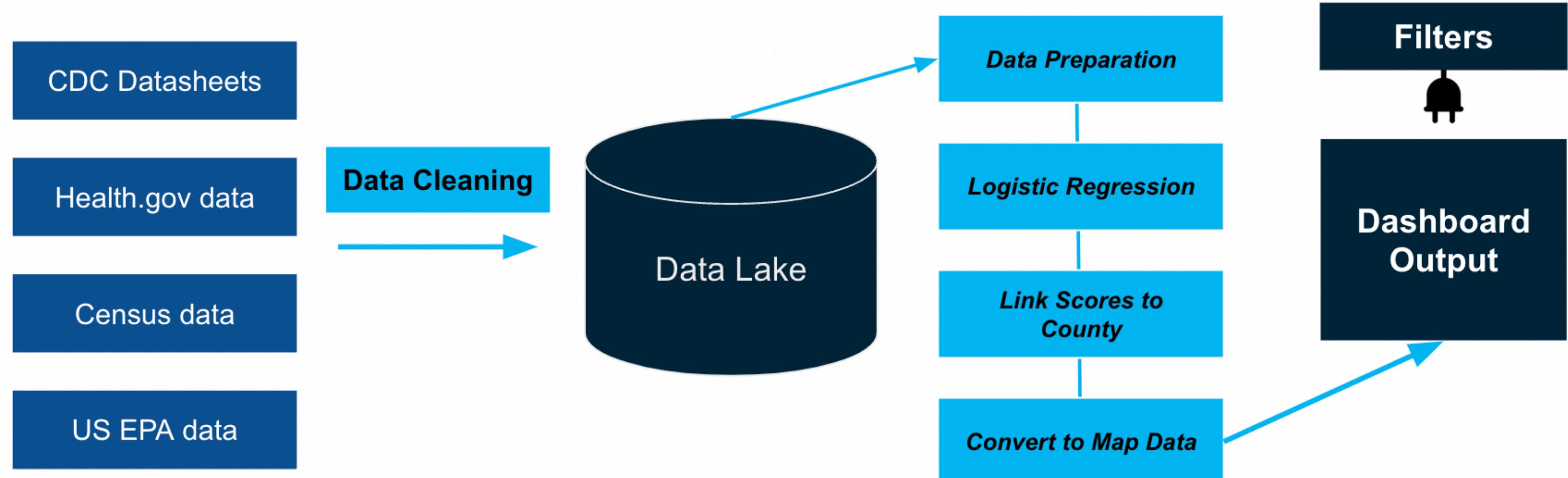
Government

Get ground level truth of plans



How do we
DO IT ALL?

Solution Architecture



Phases



PHASE 1

Initial rollout of the phase 1 with limited indicators and functionality to people, local health departments and state government for feedback - Only for California State.



PHASE 2

Adding additional parameters and full fledged solution with different features for every user type and login features.

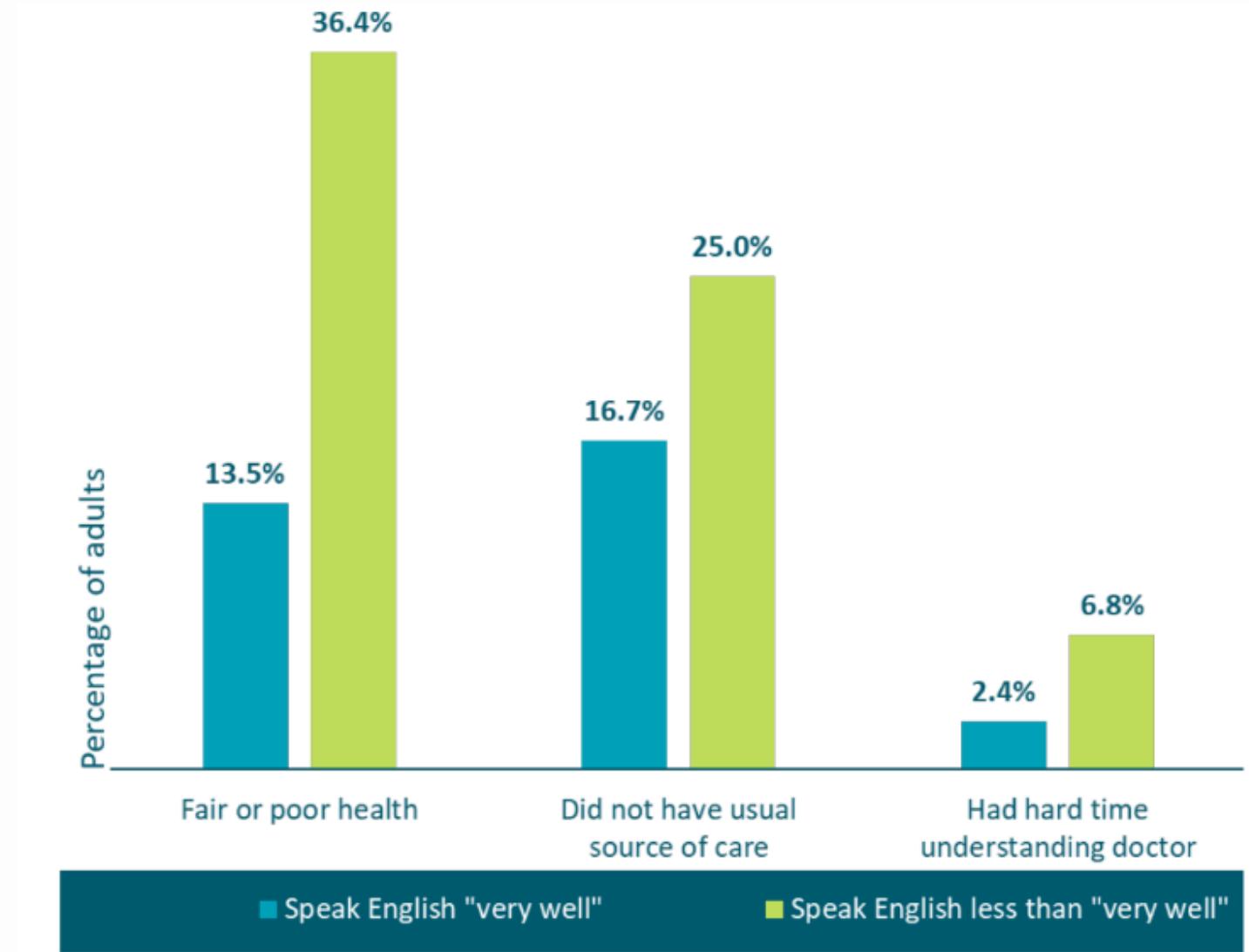
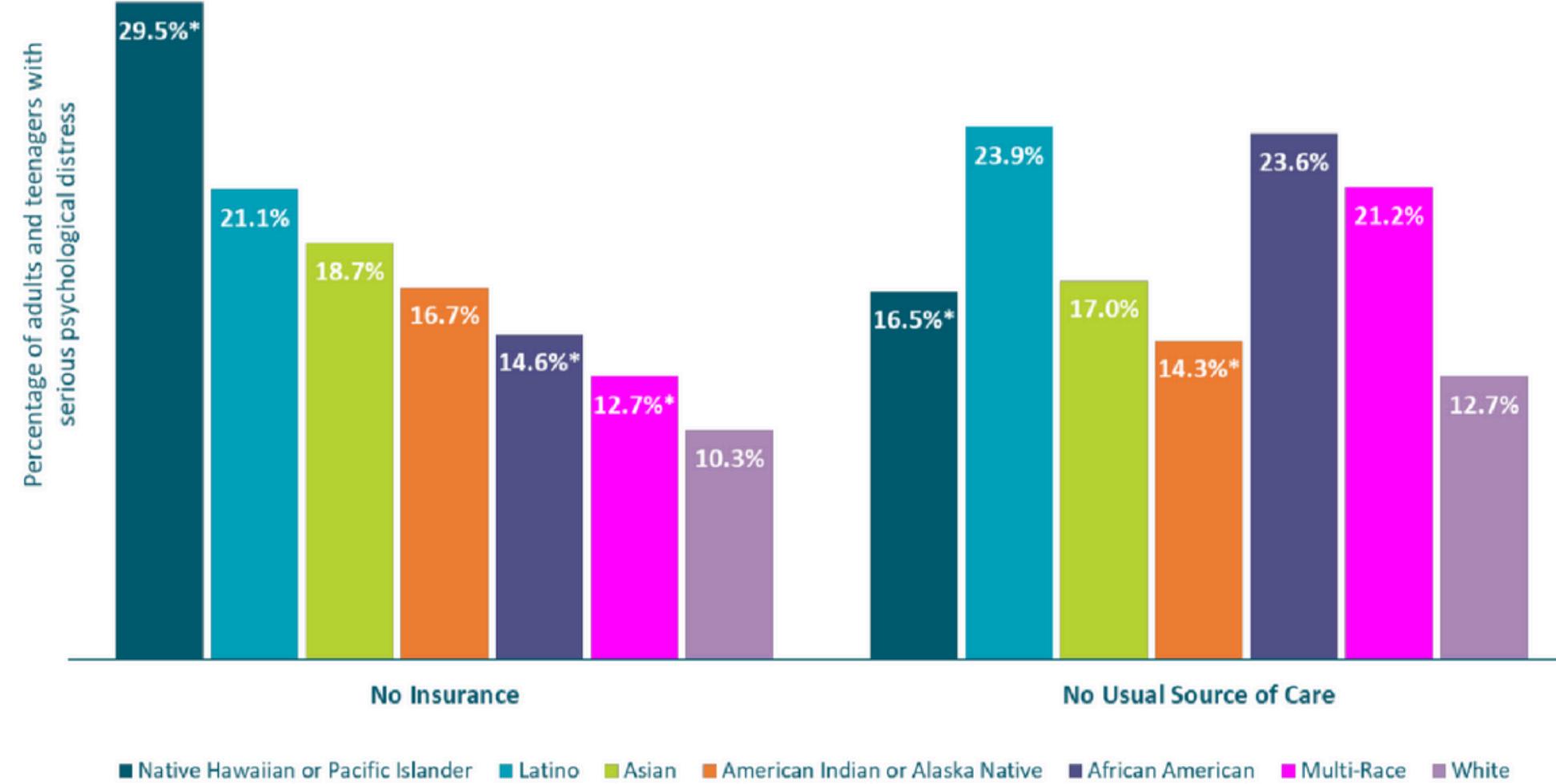


PHASE 3

Roll out for every USA state and county.

Our findings

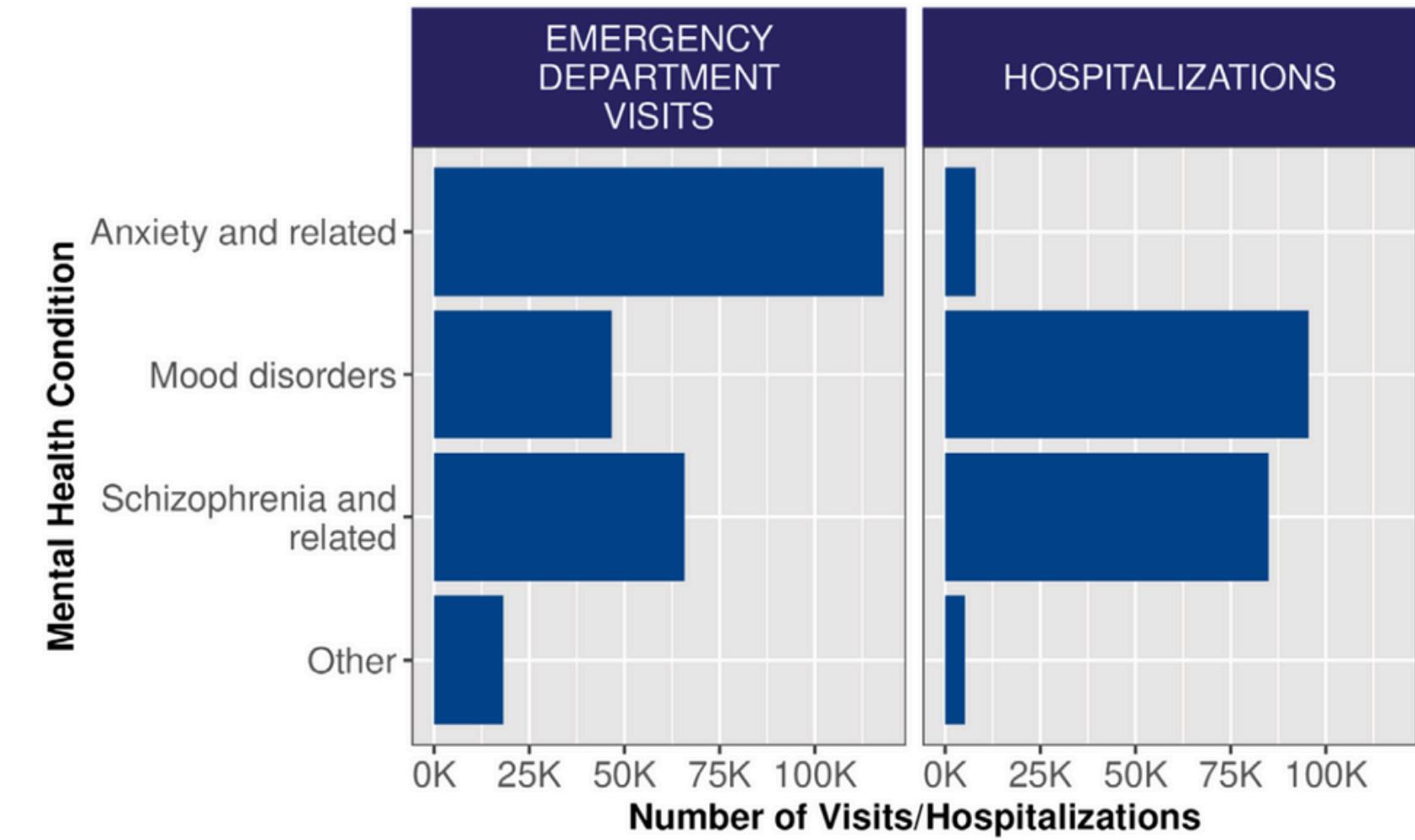
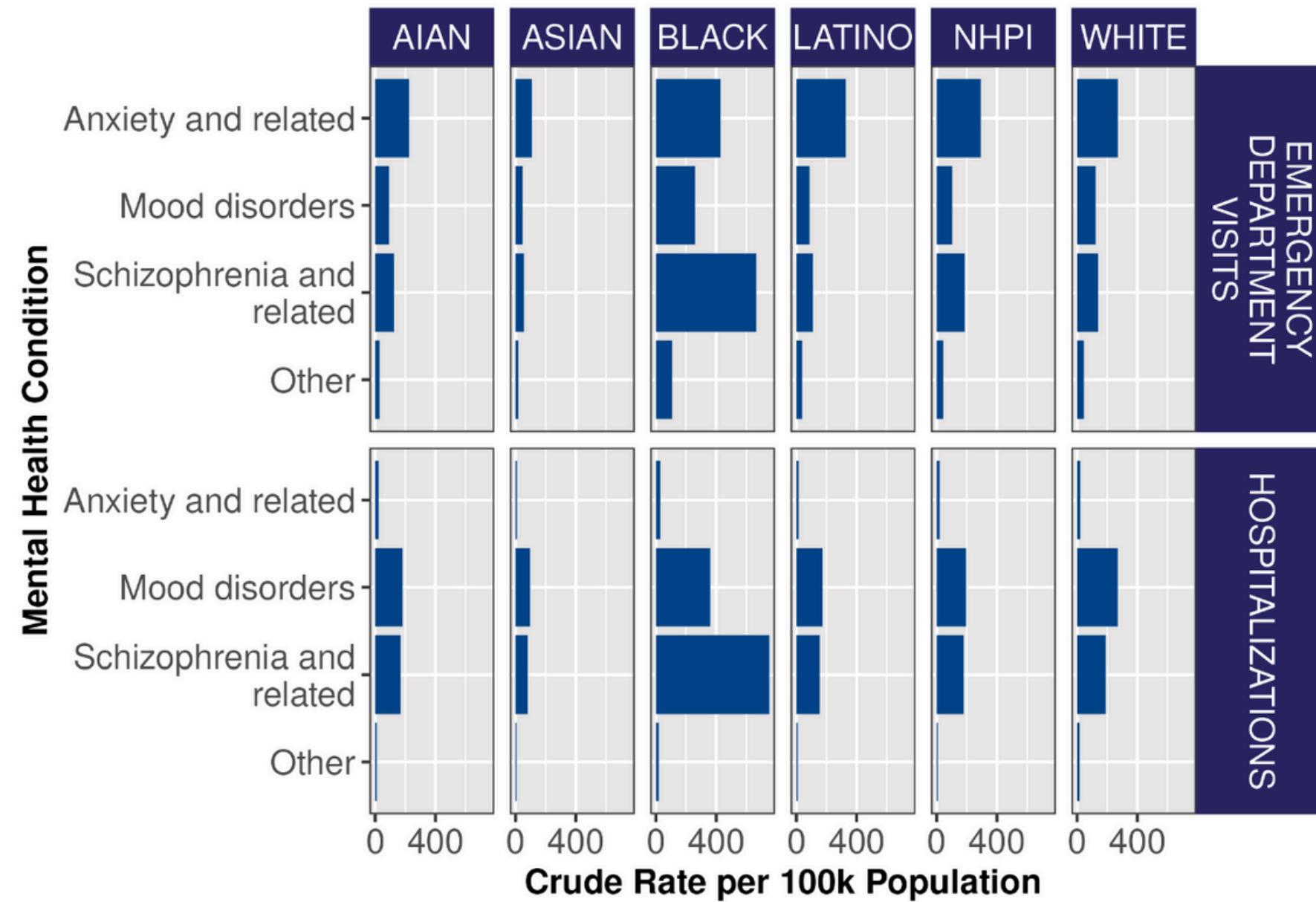
Access to care



Insurance and usual source of care trend among various racial and ethnic groups

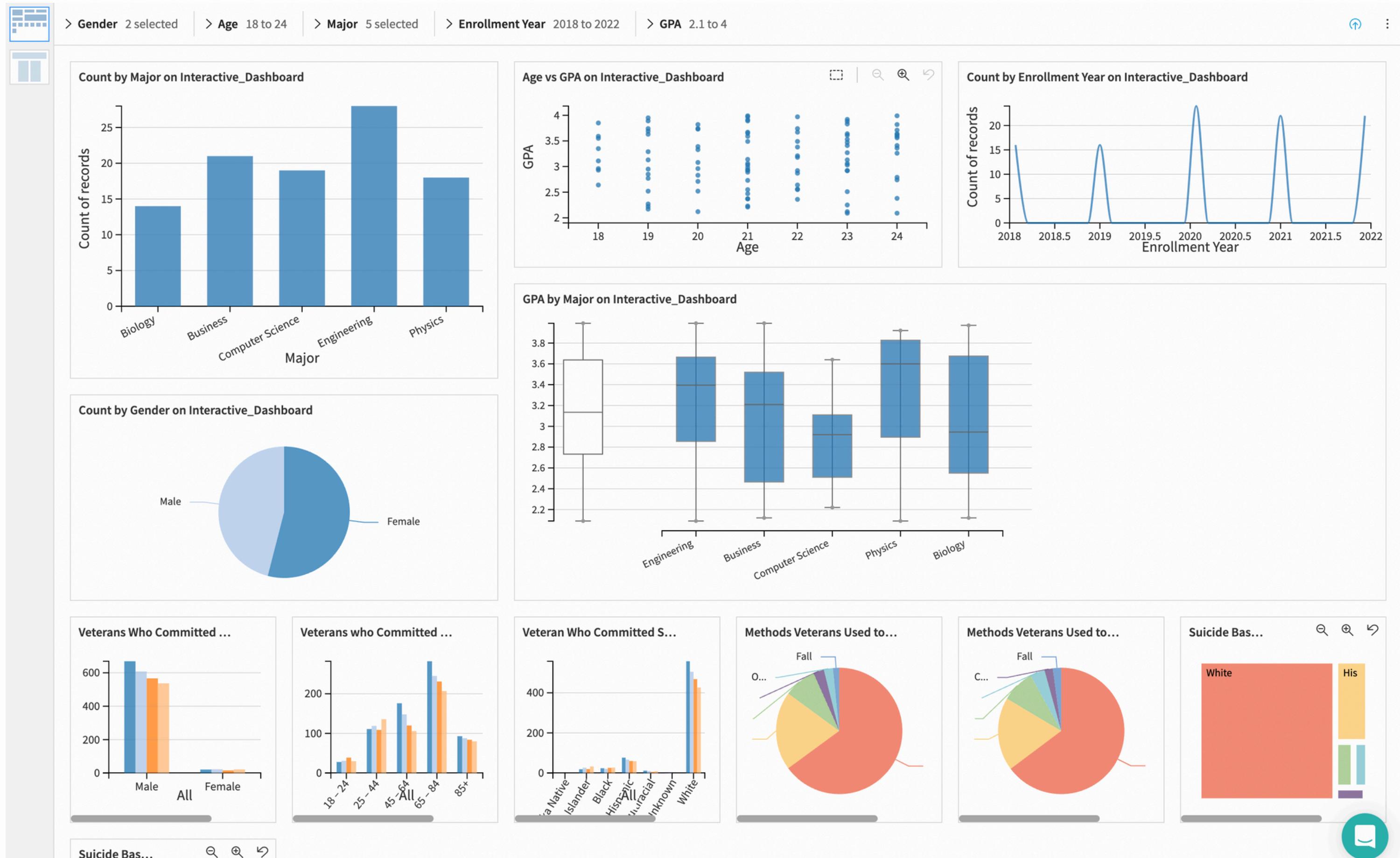
Health Comparison based on English proficiency

Mental Health



Black individuals experience the highest rates of emergency department visits and hospitalizations for mental health conditions compared to other racial/ethnic groups.

Suicides



Healthcare Scores

MENTAL HEALTH

- Total Psych Facility Count
- Psych Beds per 100000
- Suicides per 100,000
- Drug-Induced Deaths per 100,000
- Median household income-dollars
- Persons in poverty-percent
- Persons without health insurance-under age 65 years

SAFETY

- Age-Adjusted Death Rate
- Child Mortality Rate
- Infant Mortality Rate
- Drug Overdose Deaths
- Homicide Rate
- Suicide Rate (Age-Adjusted)
- Firearm Fatalities
- Motor Vehicle Deaths
- High School Graduation Rate
- % Unemployed

HEALTHCARE ACCESS

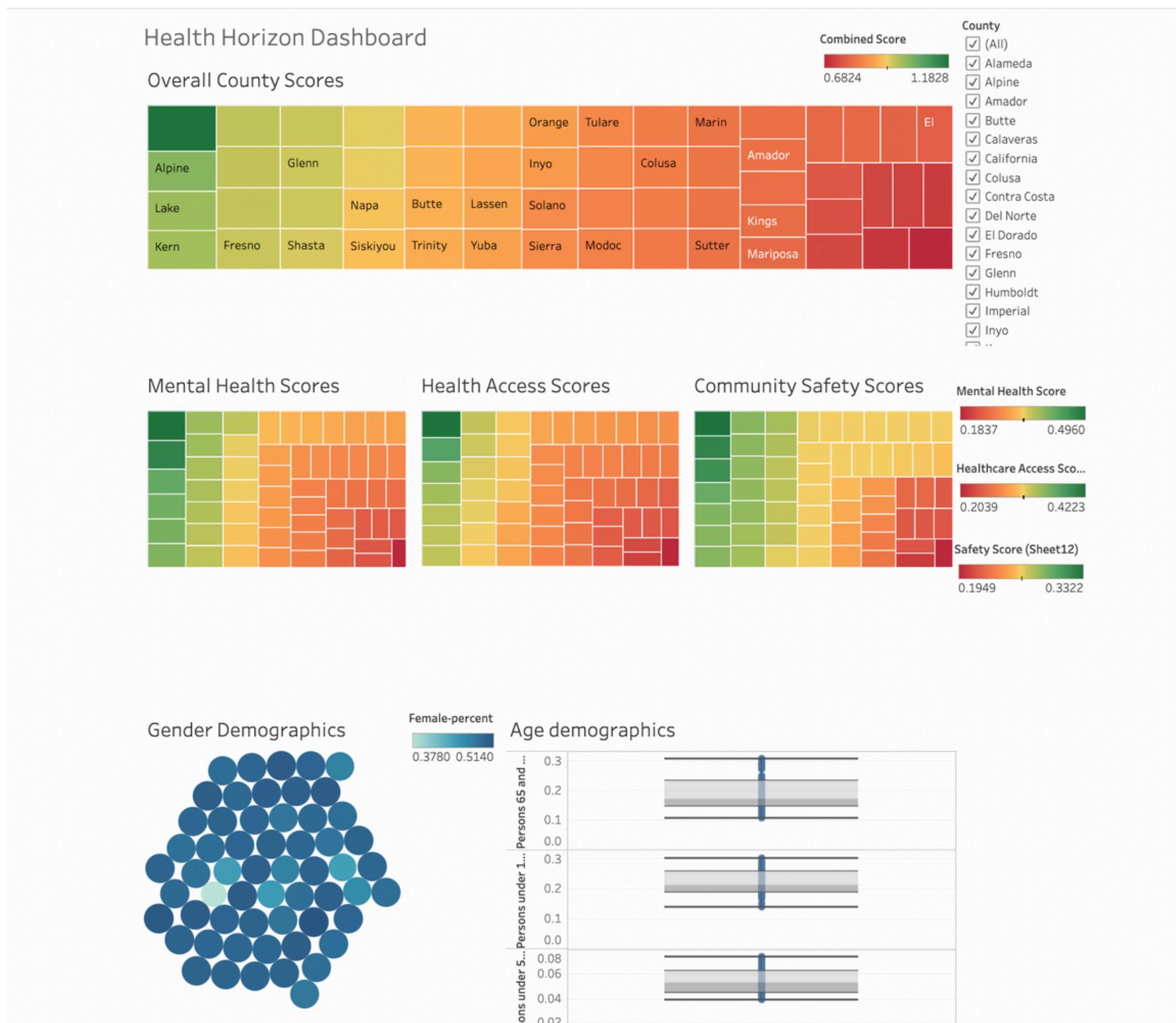
- Primary Care Physicians Ratio
- Other Primary Care Provider Rate
- Mental Health Providers
- Child Care Centers
- Total Psych Facility Count
- Psych Beds per 100000

HEALTHCARE HORIZON SCORE

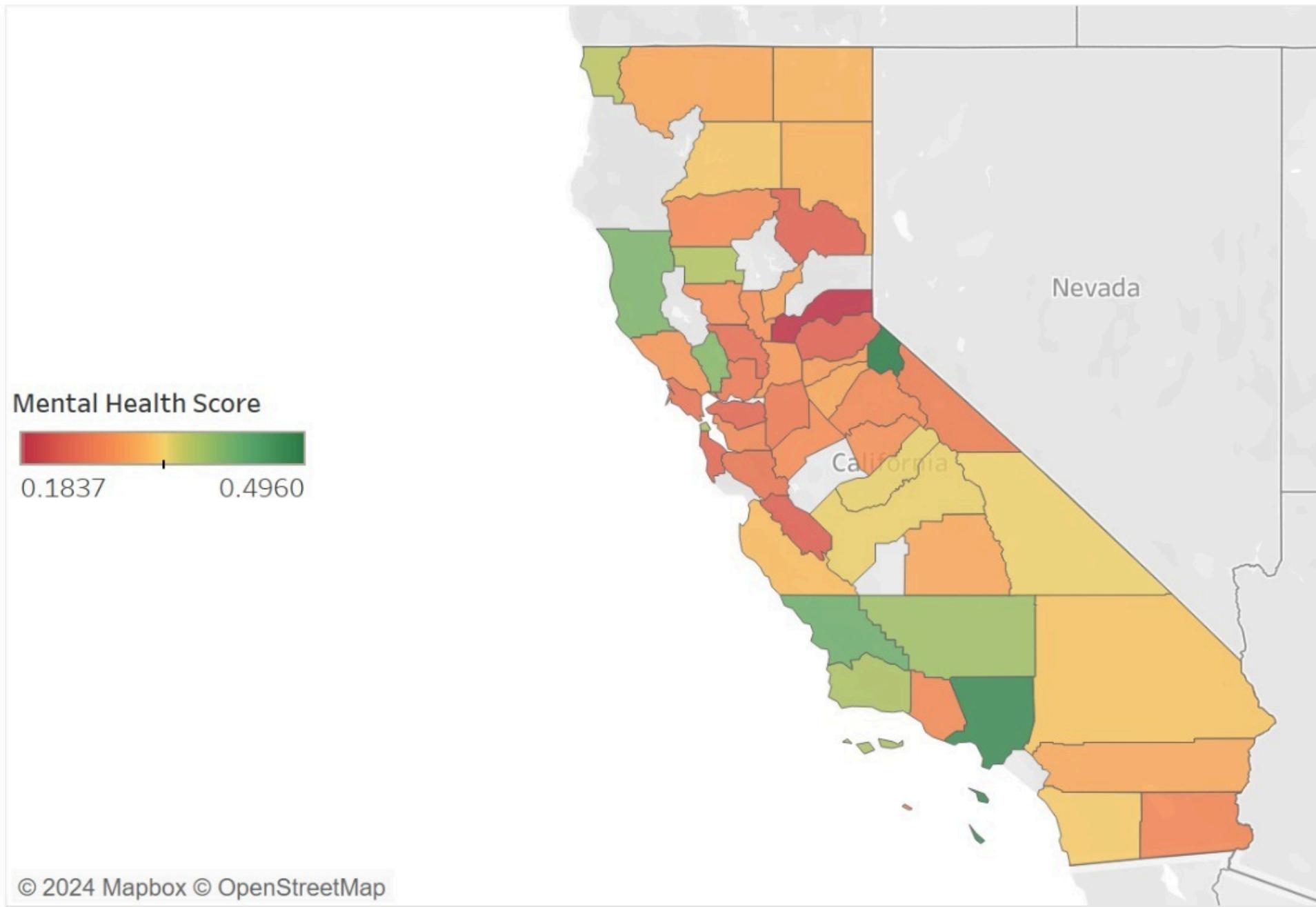
Combination Of first three scores

HH Score = (Mental Health + Safety +Healthcare Access)

Healthcare Horizon Dashboard



Mental Health Scores



Healthcare Horizon Chatbot

The mega prompt

You are an expert analyst of Californian mental health equity datasets.

Your job is to provide health equity analysis, trends and insights from the provided datasets. You'll limit your numerical information to the provided datasets. If required, you should only refer to US government websites and cite all the sources you give data from.

Focus on identifying disparities, trends, and key metrics for each county present in the query.

1. For any query, first identify the county or metric information that is required.
2. For each county, analyze key metrics such as access to mental health services, demographic disparities, and treatment outcomes.
3. Summarize the trends and disparities found across different counties.
4. Provide specific recommendations for addressing identified issues in mental health equity.

You're helpful and understanding. You need to work as a consultant and ask for questions if you need more information before providing answers. For every answer, mention your data sources and link them if necessary. DO NOT make recommendations based on random data, only limit yourself to USA government websites, census or .gov websites.

Use the data from the datasets provided. |

Questions

Which of these counties is better in safety and better healthcare access?

San Mateo, Los Angeles and Santa Clara. Show me tabular format data and share a conclusion where should I move?

Don't explain a lot.

Answer

Here is the tabular format data comparing the safety and healthcare access metrics for San Mateo, Los Angeles, and Santa Clara counties:

County	Total Psych Facility Count	Mental Health Hospital Count	Psyc-Hospital-Clinic-Count	Suicides per 100,000	Drug-Induced Deaths per 100,000
Los Angeles	493	7	493	8.996	15.141
San Mateo	23	1	23	9.798	13.186
Santa Clara	53	3	53	8.894	12.554

Conclusion:

- **Safety:** Santa Clara County is better with lower suicide and drug-induced death rates.
- **Healthcare Access:** Los Angeles County has the most extensive healthcare infrastructure.

Recommendation:

Move to **Santa Clara** for better safety and reasonable healthcare access.

Thank You!