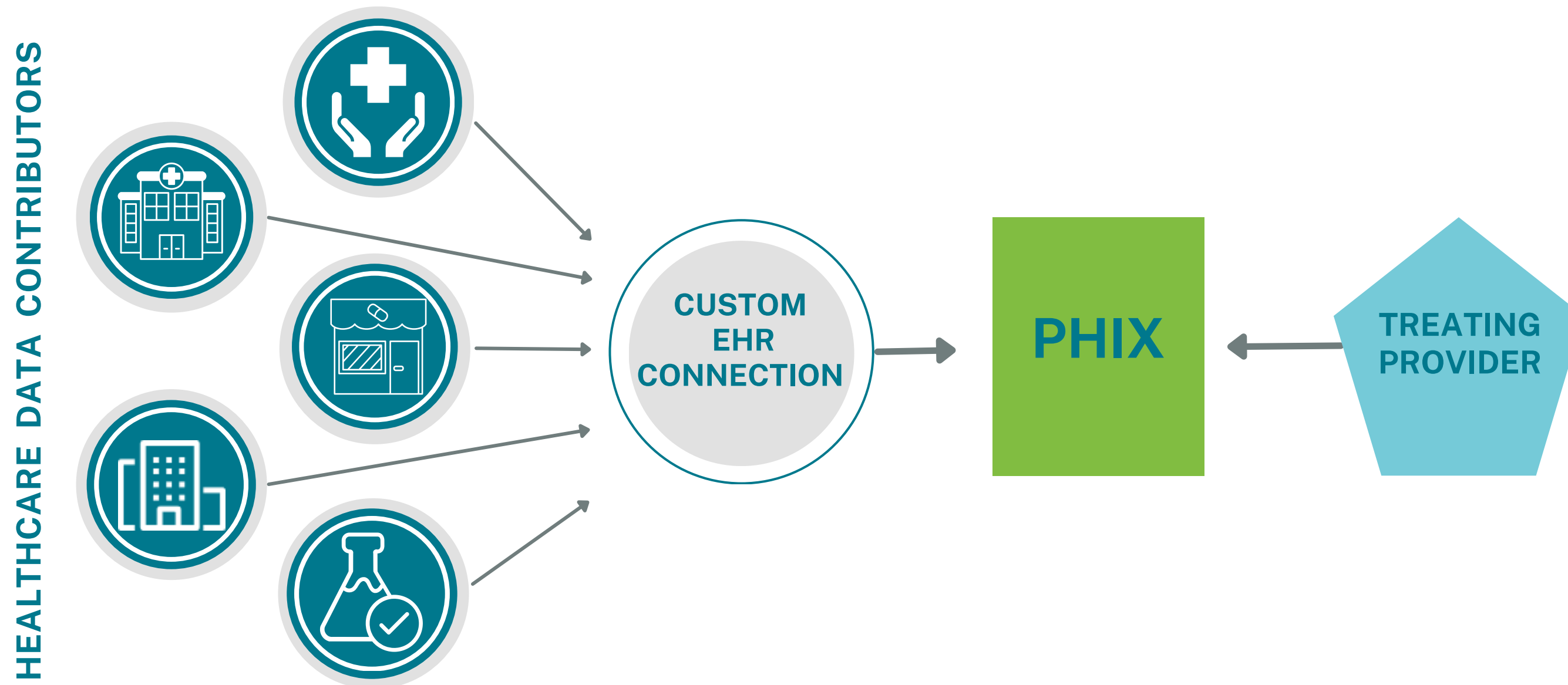




**Overview of Data Sharing Success in West Texas for
UNIT Members
2/26/2025**



Facilitate clinical data sharing between hospitals, clinics, public health, and other health and social service providers.
Over 90,000 medical records are accessed through PHIX monthly.



PHIX Data Exchange Network

Treating providers may securely access the following type of information through PHIX:

Patient Summary Showing: **All** Inpatient Outpatient ER

Additional Records May Be Available

Configure Summary Information

Encounters Most Recent

Date	Description	Facility	Type
04/20/2013	Dyspnea, CHF	Metro South	Inpatient
02/04/2013	Diabetes Mellitus Type 2	City Clinic	Outpatient
02/02/2012	Hypertension	City Clinic	Outpatient

All Encounters

Clinical Summaries Most Recent

Date	Description	Source
02/19/2013	System Generated Summarization of Episode	HIE
02/07/2013	Summarization of Episode	Metro South
01/28/2013	Summarization of Episode	City Clinic

All Clinical Summaries

Test Results Most Recent

Date	Description	Value	Range	Flag
02/16/2013	Glucose	117 mg/dL	65 - 105	High
02/13/2013	A1C	9.9 %	4.0 - 6.0	High
11/02/2012	Lipid Panel			

All Test Results

Medications Most Recent

Date	Description	Dose	Quantity
05/15/2013	Metformin (Glucophage)	500 mg	90
12/10/2012	Lisinopril HCTZ (Prinzide)	12.5 mg / 10 mg	30
12/10/2012	Simvastatin (Zocor)	40 mg	30

All Medications

Allergies Most Recent

Date	Description	Severity
01/31/2013	Pollen	Unknown/Not Provided
01/31/2013	Penicillin V Potassium	Severe
11/02/2012	Strawberries	Mild

All Allergies

Immunizations Most Recent

Date	Description
01/31/2013	Pneumococcal
11/31/2012	Influenza
10/22/2011	Influenza

- Diagnosis & Problem list
- Allergies
- Medications
- Immunizations
- Lab Results
- Radiology reports
- Pathology reports
- Clinical Notes, including discharge summaries, progress notes, and consult notes

Committees



Technology



Privacy &
Security



Data Use &
Analysis



Governance



Strategic
Planning



Quality
Reporting



Syndromic
Surveillance



Growth



Research



Non-Medical
Drivers of Health



Value

Access to critical health data through PHIX is timely, saves lives, and improves quality.

2023 study published in the *Annals of Family Medicine* examined whether primary care physicians' use of PHIX to access data about patient care transitions reduced the likelihood of the patient being re-hospitalized.

When PHIX was accessed by primary care physicians after hospitalization, the likelihood of a **return visit to the ED decreased by 53%** while **re-hospitalization decreased by 61%**.

User Highlight

"PHIX is an incredible tool that allows us to better understand someone's history when we have a call. We can see the last time they had an EDO [Emergency Detention Order], why they were brought in, and any substance use. When someone has dementia, we can use the demographics section to help find their family."

Crisis Intervention Team, Emergence Health Network



"I had a patient who I was wondering what the origin of their low blood pressure was and when I logged into PHIX I saw that they had a mildly elevated white blood cell count and that help me to understand that the patient could have been septic or that the origin of low blood pressure was of infectious origin. Because of PHIX I sent the patient to the hospital and the patient was found to be septic after all. ***This was a lifesaving referral because of lab values I received through PHIX because of lab values I received through PHIX.***"

Physician Assistant, Federally Qualified Health Center

Partners

PHIX is based in El Paso and serves hospitals, physicians, and patients in **west Texas** and **southern New Mexico**.

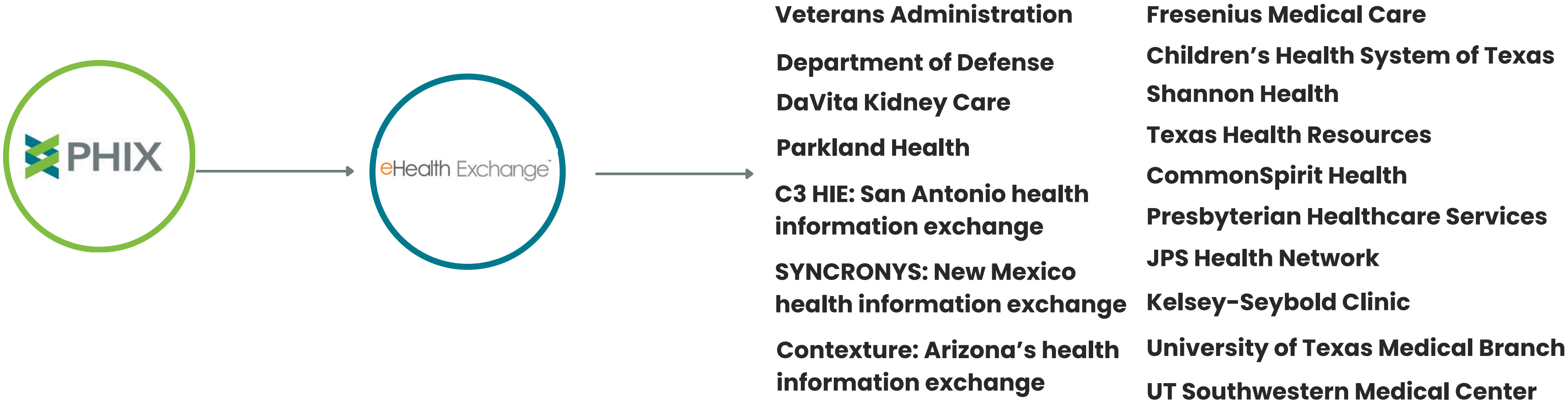
Partners include:

- University Medical Center of El Paso (Level I Trauma Center serving 280 mile radius around El Paso)
- El Paso Children's Hospital
- The Hospitals of Providence (Tenet Healthcare)
- Las Palmas Del Sol Health Care (HCA Healthcare)
- Texas Tech University Health Sciences Center El Paso
- Emergence Health Network (Local Mental Health Authority)
- Federally Qualified Health Centers: Centro De Salud Familiar La Fe, Project Vida, San Vicente
- City of El Paso: Public Health, Fire, Community & Human Development
- National Connections: Veterans Administration and Department of Defense
- State Connections: ImmTrac, Prescription Drug Monitoring Program
- Private clinics (Approximately 368 locations)
- Social Service Agencies: El Pasoans Fighting Hunger Food Bank
- New Mexico: Gila Regional Medical Center Hospital, primary care and specialty clinics, and post-acute care



National and State Connections

PHIX National eHealth Exchange Connection Highlights



“We had a patient who was a veteran in the hospital and in need of hospice services. He didn't have any family locally, so we used PHIX clinical viewer to identify who the medical attorney was and admit the patient, because of our ability to have access to this information.”

Tender Care Home and Health Hospice

Using Data to Address Local Challenges



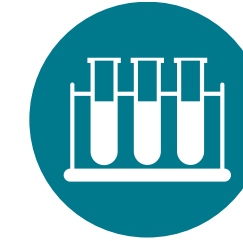
Clinical Viewer



Non-Medical Drivers
of Health



Notifications



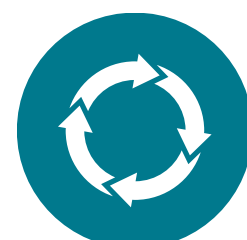
Lab Ordering and
Results System



Public Health
Syndromic
Surveillance



Vaccine Information
Exchange



Closed-Loop
Referrals



Trauma Image
Sharing



Data Analysis



Public Health
Data System

Hospital



Patient is admitted and/or discharged from the hospital

Notification



PHIX captures hospital visit and sends notifications to providers

Provider



Provider receives patient notifications

Clinical Viewer



Provider reviews details in PHIX clinical viewer to support care coordination

Notifications

PHIX notifies providers and insurance carriers when their patients are admitted to and/or discharged from the hospital or emergency department (ADT Notifications).

Custom notifications are developed to support specific use cases. For example, PHIX provides notifications for elevated HbA1c results to support diabetes care coordination.

“PHIX has been very helpful to our program and our diabetes classes, weekly I receive a list of patients with their HBA1c results, then I distribute that list to my staff, then they contact and invite patients to the diabetes/ prediabetes classes, so PHIX has been a great resource for our program.”

Chronic Conditions Care Program Coordinator,
Federally Qualified Health Center

Trauma Image Sharing



1

**Patient
identified for
transfer**



2

**Transferring
facility sends
image content
via the PHIX
trauma system**



3

**Distribution list
at hospital
receives
email/text
notification for
images received**



4

**Hospital view
images in
directly in their
PACs or via the
PHIX trauma
system**



5

**Clinicians use
images to
inform care**

“Before PHIX had officially gone live with trauma image sharing with Gila Regional Medical Center, one of the lead radiology techs at Gila Regional Medical Center called PHIX to let our team know that they had a really urgent need to use the system because they had a patient whose brain was bleeding that was being transferred to Del Sol. PHIX assisted Gila Regional Medical Center with pushing the DICOM images to Del Sol. **The trauma physicians at Del Sol were able to review the images while the patient was on the helicopter and prepared accordingly.** As a result, the patient did not need to be re-scanned upon arrival. **The surgery was performed, and the patient lived.** The following day, the patient had comparative imaging done the next day to evaluate progress.”

Gila Regional Medical Center and Del Sol Medical Center

Data Analysis to Support Public Health

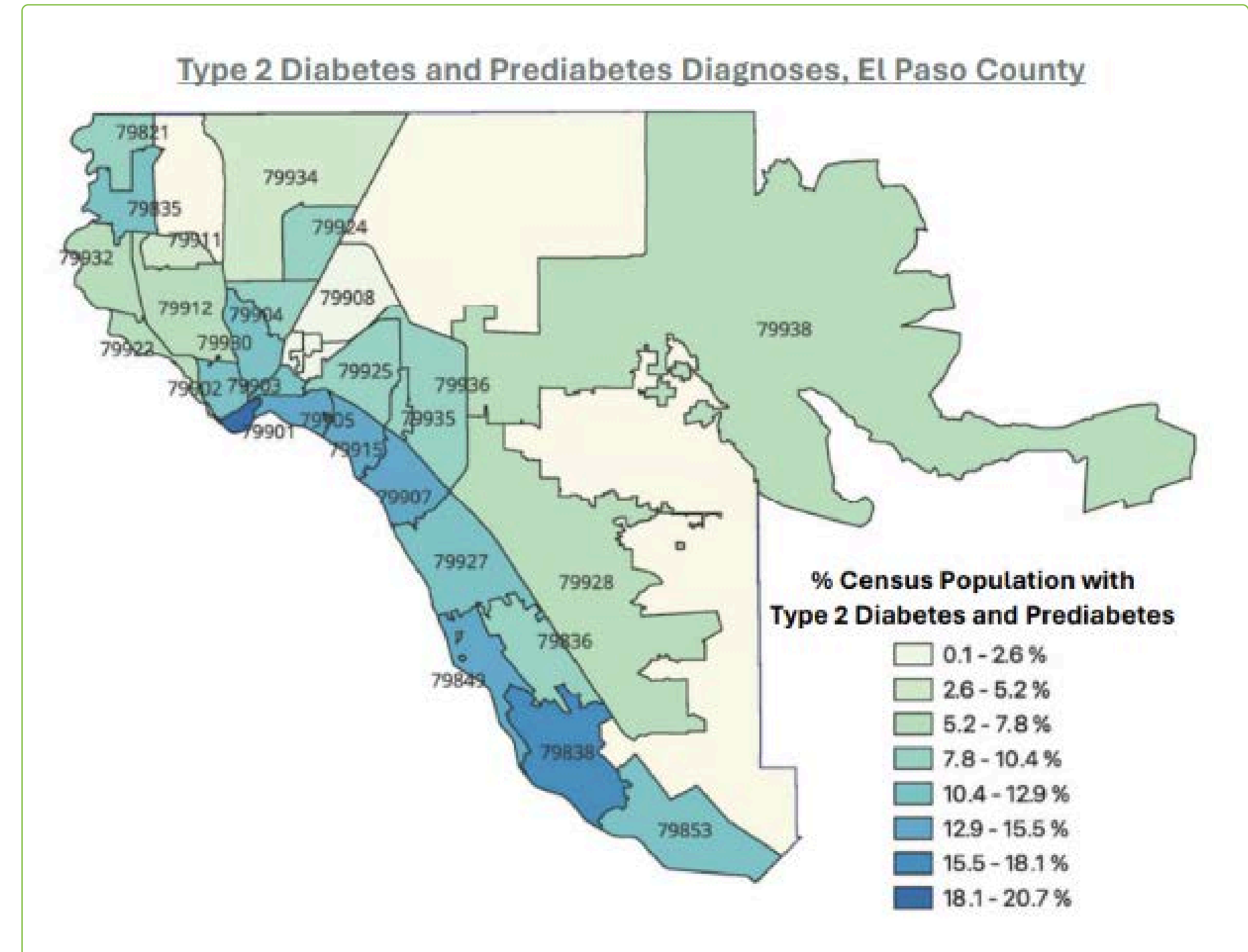
Where is diabetes in the El Paso region?

Leading workgroup on how to support the region with diabetes-related data.

Comprised of healthcare providers, program managers, and researches involved in diabetes intervention and prevention.

Iterative data analysis process to answer questions like....

- *Where is diabetes in the El Paso region?*
- *How well managed is diabetes?*
- *Are individuals with diabetes improving?*



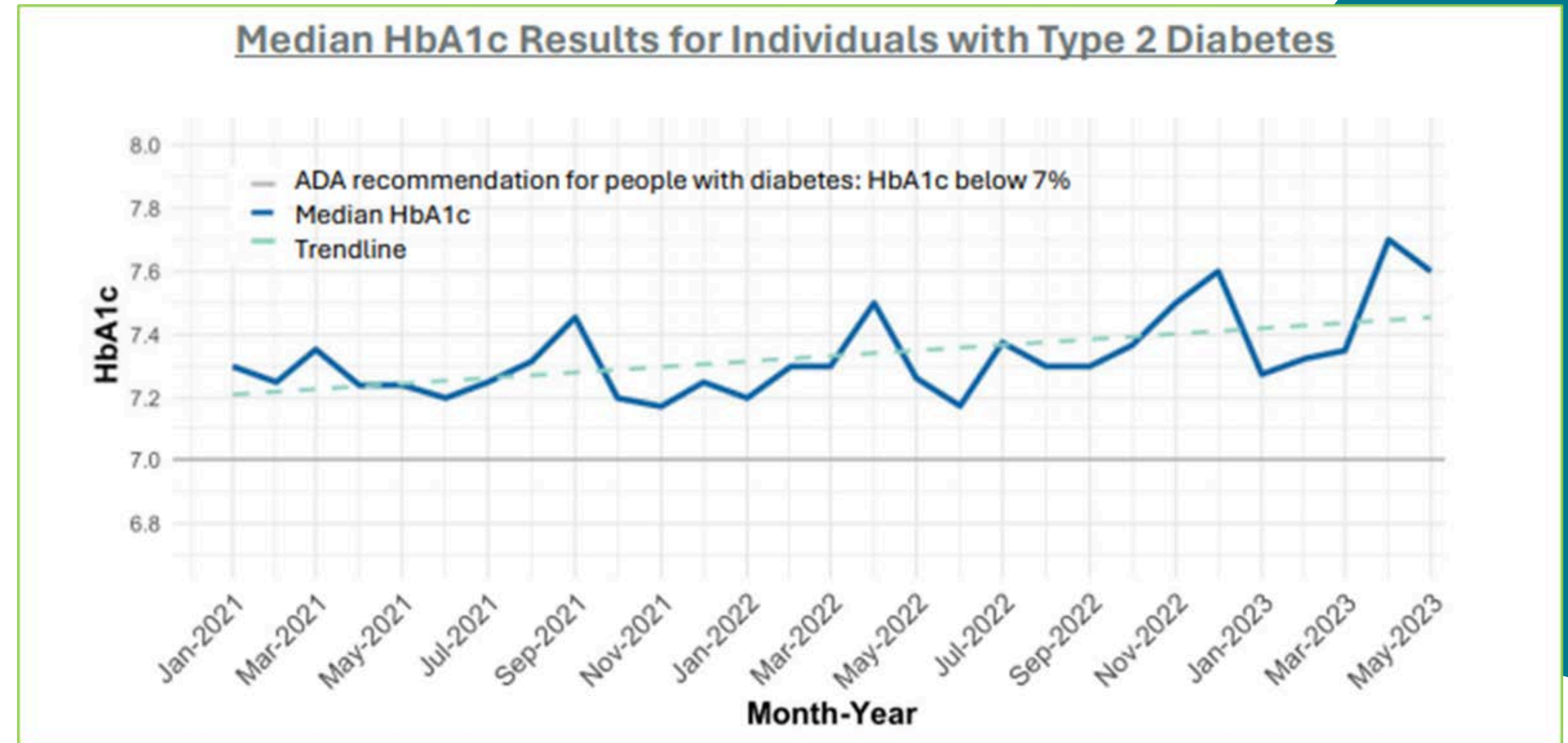
Data Analysis to Support Public Health

How well managed is diabetes?

“Notably, we can see an ebb and flow in HbA1c scores throughout the year . . . Further analysis is needed to identify the factors driving these fluctuations. If identified, then it may be possible to improve diabetes management through community-wide efforts that anticipate and address such factors.”



David Cistola, MD, PhD
Texas Tech University
Health Sciences Center
El Paso



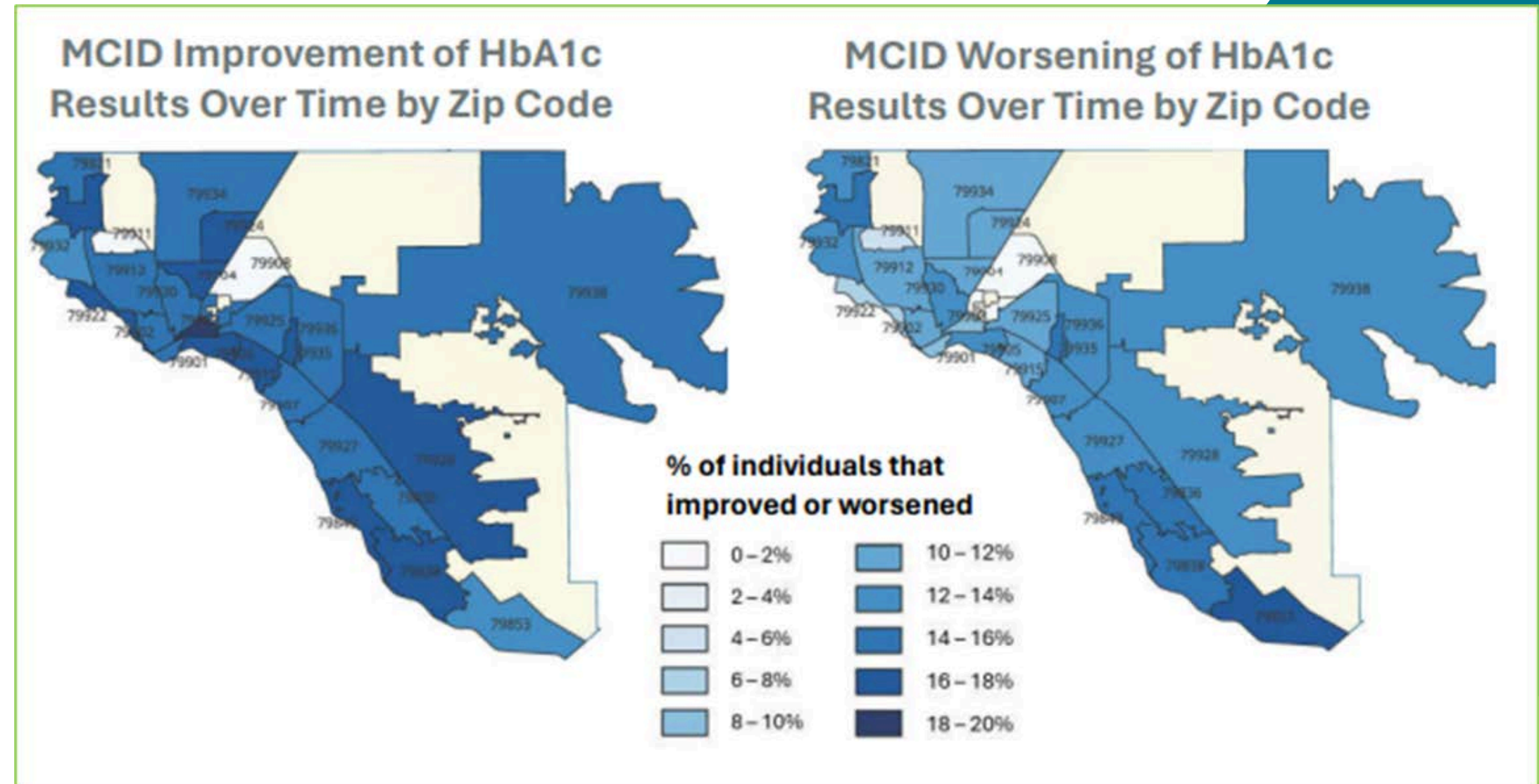
Data Analysis to Support Public Health

Are individuals with diabetes improving?

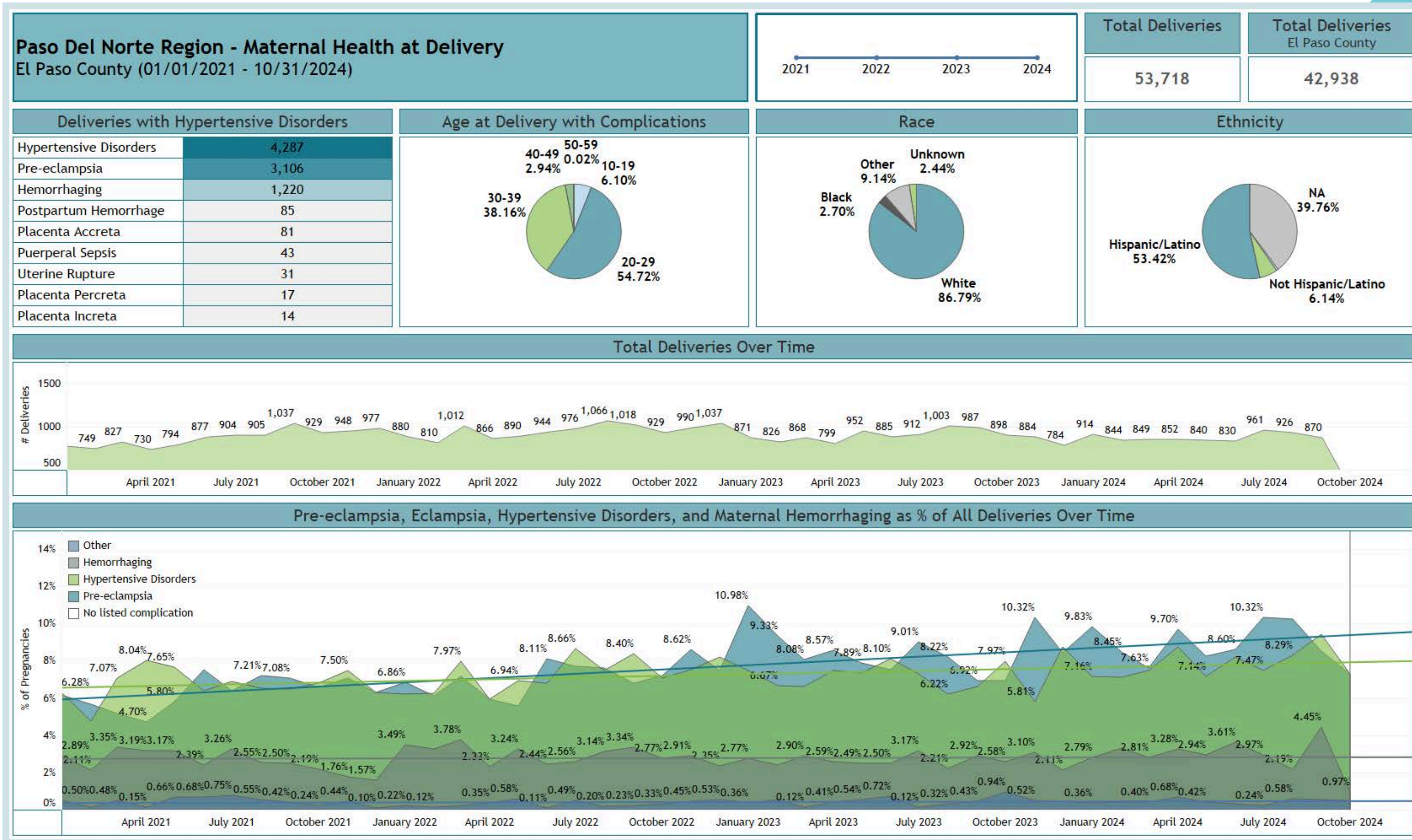
“A number of factors, such as diet, lifestyle, exercise and health access, can influence El Paso's HbA1c levels. More in-depth analysis is required to understand this geographic variation. It would be interesting to explore how cultural practices and social factors correlate with HbA1c results in these zip codes.”



Hector Ocaranza, MD
Health Authority, City of
El Paso



Disease Monitoring & Adverse Outcomes



Community Health Dashboard

Overall Health Conditions El Paso County (01/01/2021 - 10/31/2024)

Diagnosis

Hypertension
Influenza
Pre-diabetes
Type I diabetes
Type II diabetes

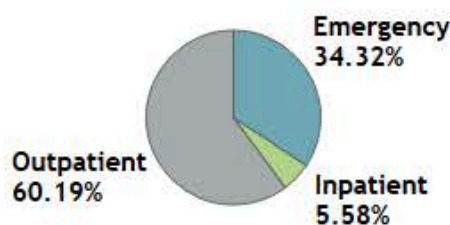
of Visits

21,688

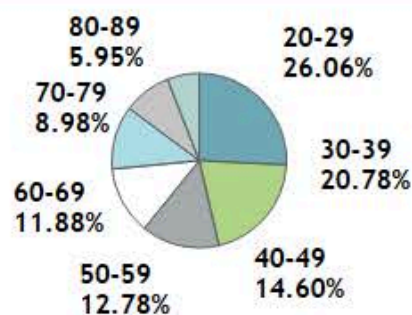
of Patients

13,293

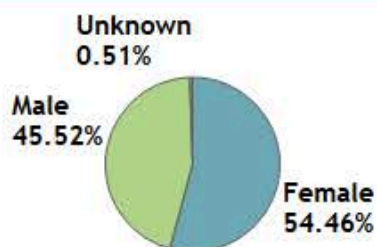
Visit Type



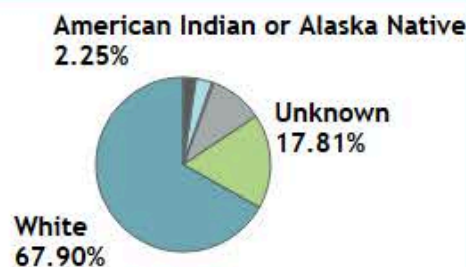
Age



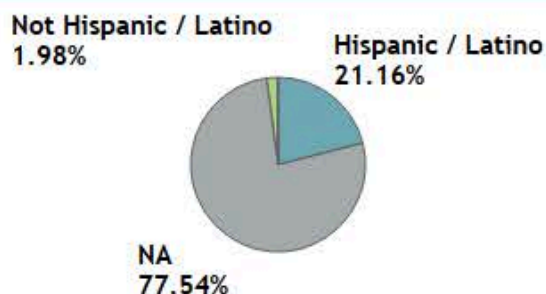
Gender



Race



Ethnicity



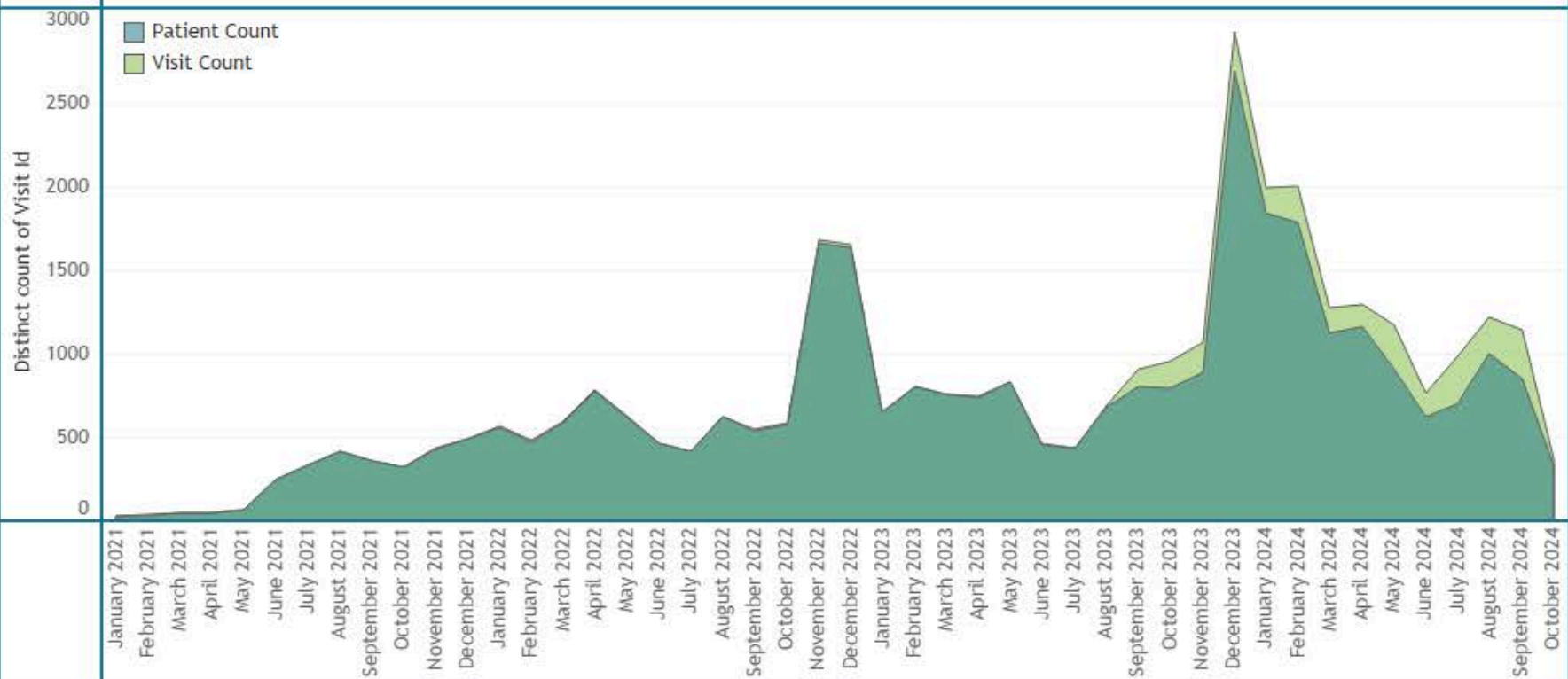
Patient Count by ZIP

Prevalence

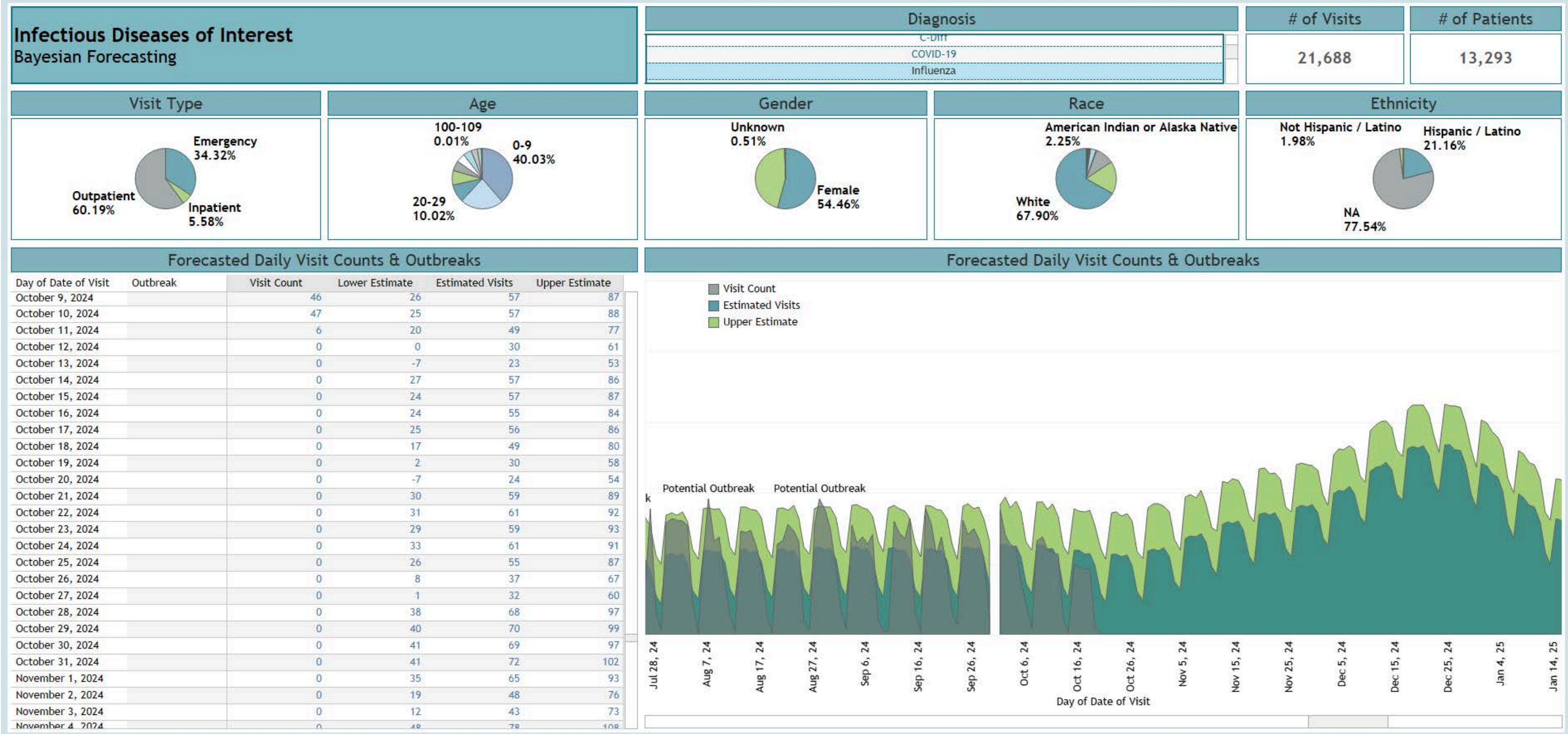
0.015 2.362

Visits over Time

Encounter Date



Disease Prediction Dashboard



Emergency Response Support



During COVID19, supported **transfers to the Alternative Care Site at the El Paso Convention Center during COVID19**, significantly reducing the time required for transfer appropriately.

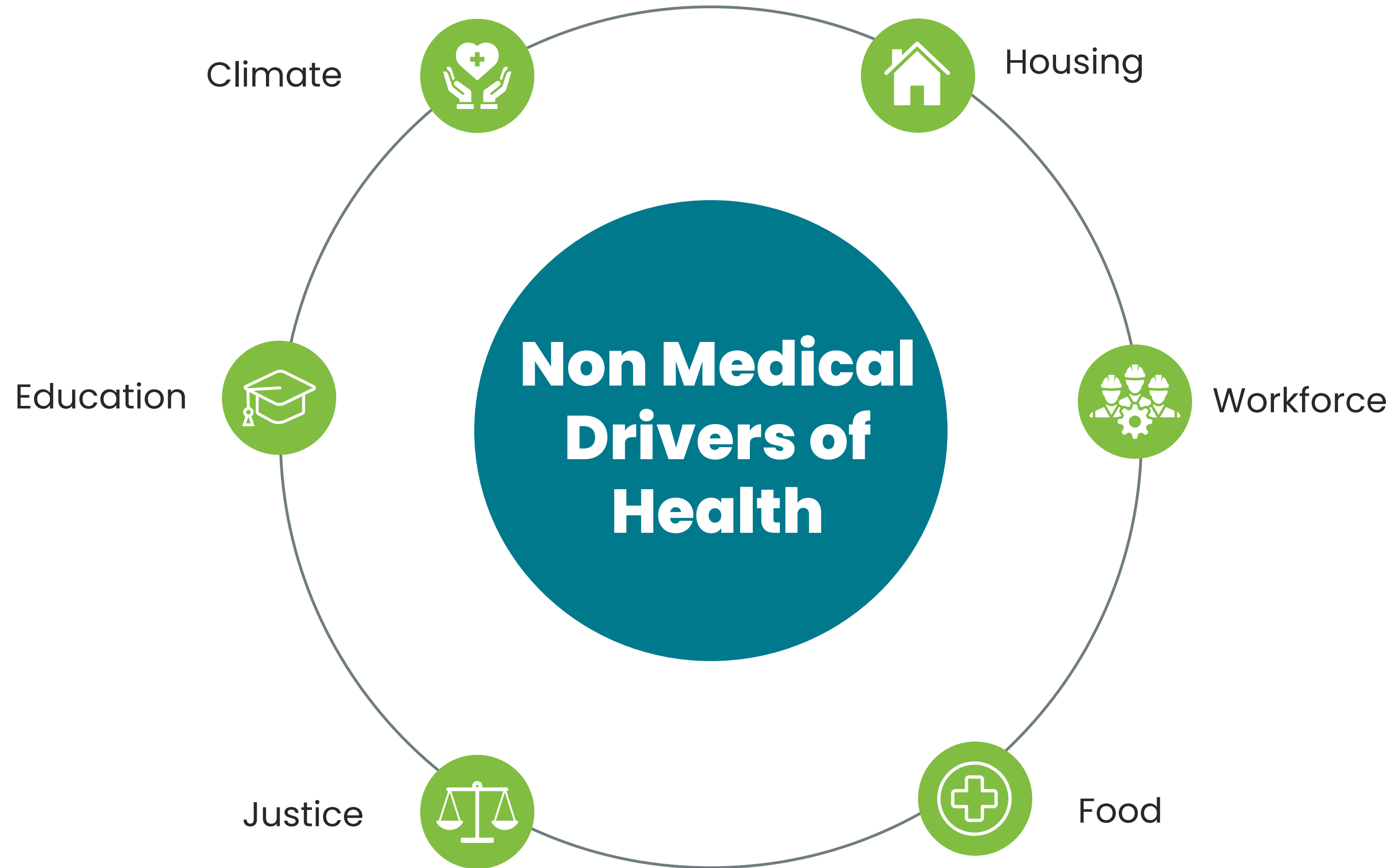


During COVID19, supported **transfers to William Beaumont Army Medical Center** by identifying eligible patients at community hospitals.



During withdrawal from Afghanistan, supported **continuity of care for Afghan refugees at Fort Bliss** by facilitating access to community hospital records.





Non Medical Drivers of Health

Social Needs Screenings: Collect screening data to identify social needs.

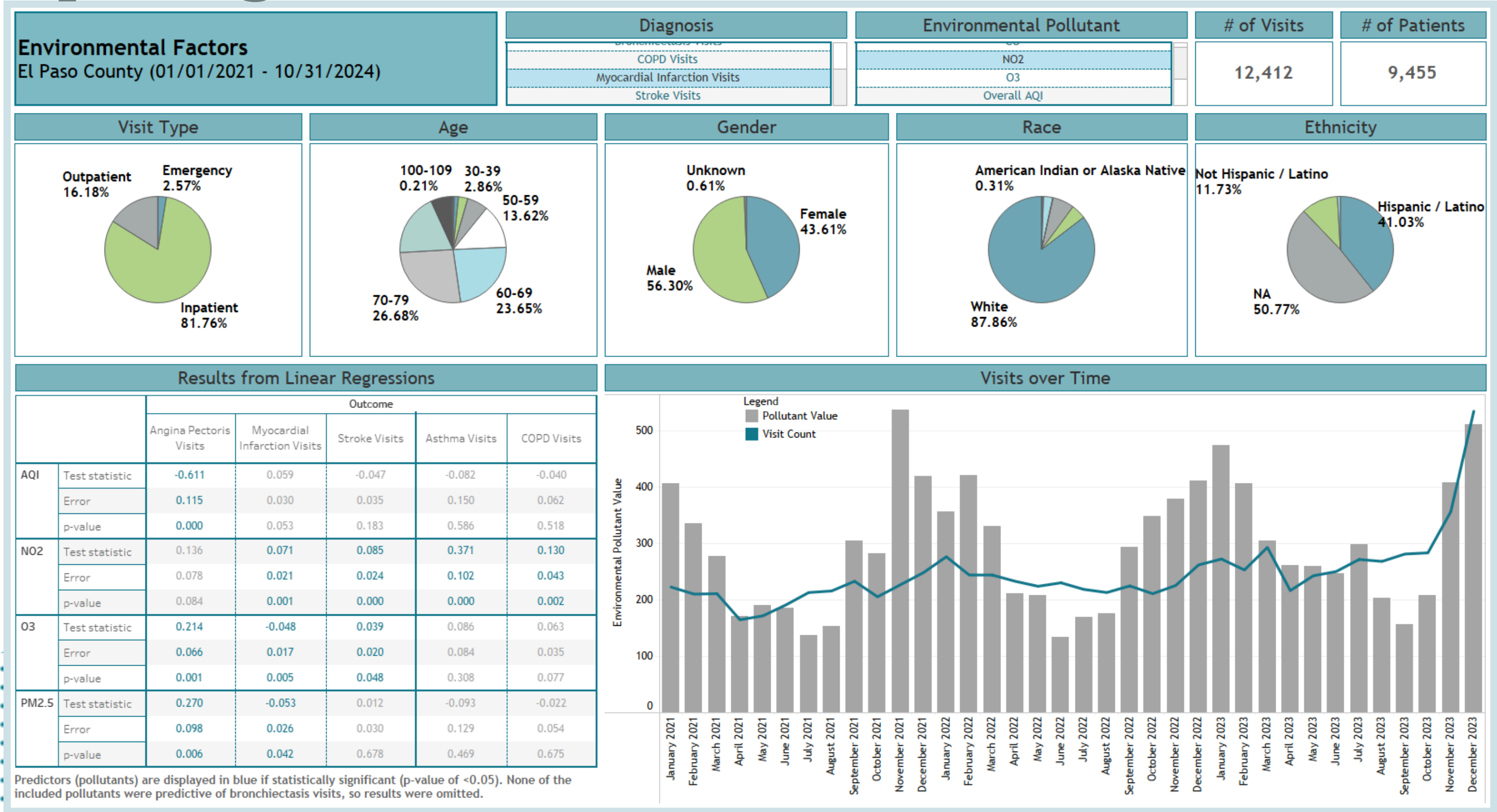
Coordination / Referrals: Support coordination and referrals across sectors (eg, health provider referrals to social services).

Community Analysis: Analyze community-level trends and needs to inform policy and program development.

Holistic Care: Support sharing information on health care and social services within and across sectors at the individual level.

High Utilizers: Identify individuals that leverage a higher number of services across sectors.

Analyzing Environmental Factors & Health



Closed-Loop Referrals



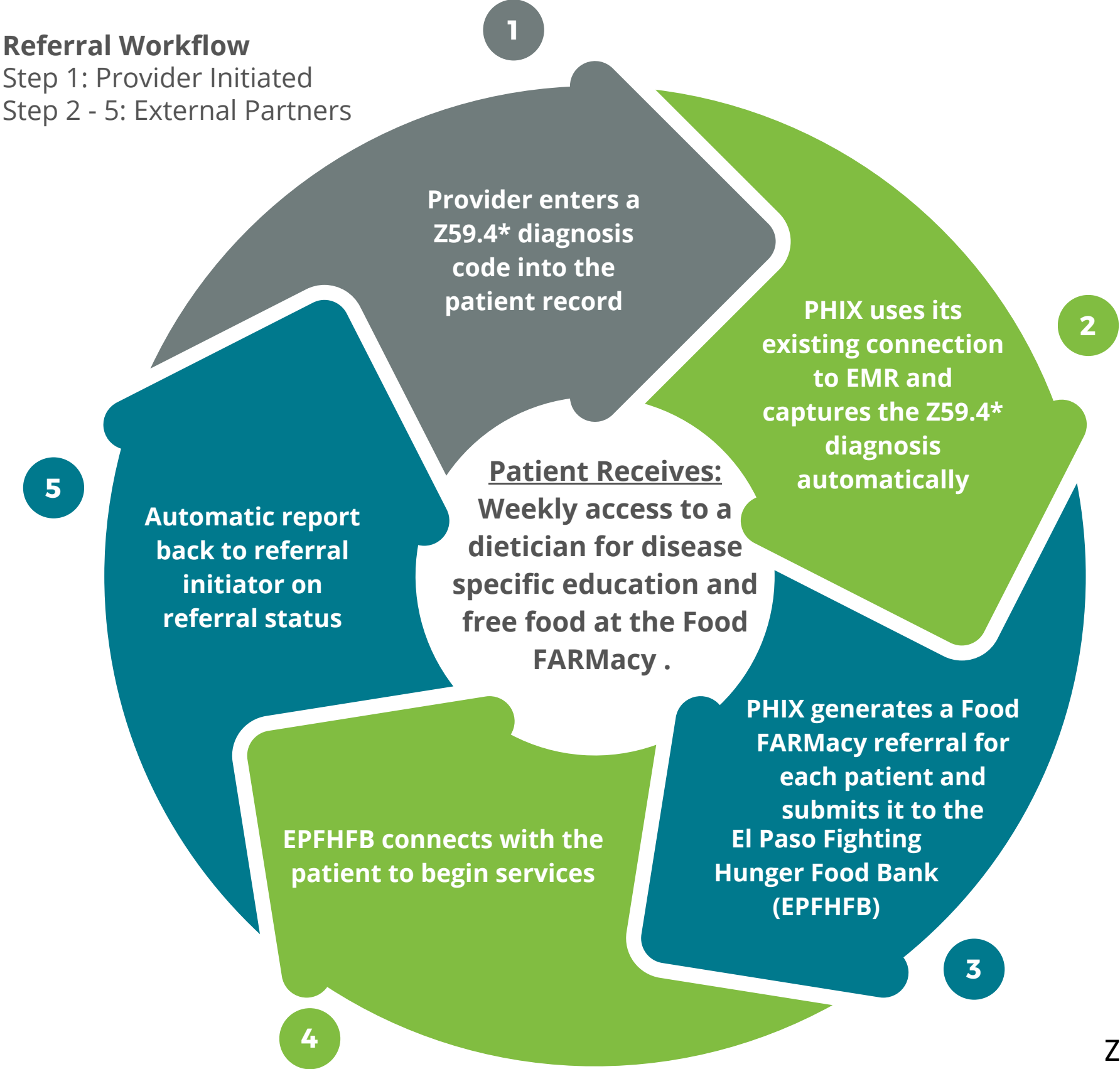
Support secure, electronic process for sending referrals and receiving closed-loop communication when the patient is seen. This system was developed with generous funding from the Paso del Norte Health Foundation.

Example: Food FARMacy

The El Pasoans Fighting Hunger Food Bank has partnered with PHIX so providers can send closed-loop electronic referrals to their Food FARMacy. The Food FARMacy provides patients with access to health food and a team of nutrition experts to help them take the next steps toward a healthier life.



Closed-Loop Referrals: Sample Work-Flow

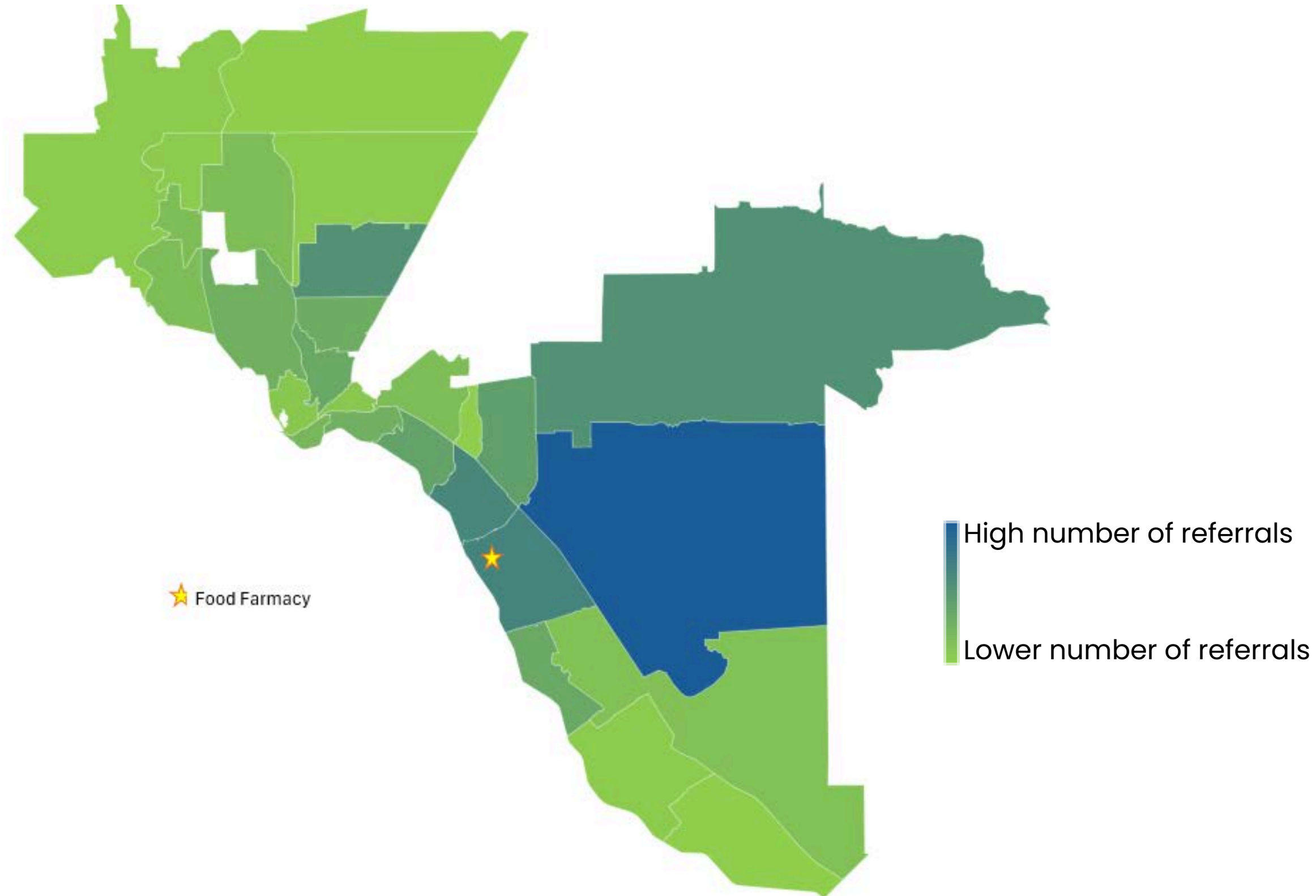


Z59.4 is an ICD-10 code for food insecurity.



Programmatic and Outcomes Analyses

**Provider Referrals to Food FARMacy by Zip Code,
El Paso County, October 2023 to September 2024**





THANK YOU

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