Dashboards and Trends:

Using Epidemiology for the First 5 Population in Riverside County
September 10, 2025

RUHS Public Health-
Epidemiology &
Program Evaluation Branch (EPE)

The **Data Unit** is home to a multi-disciplinary team of epidemiologists, research specialists, economists and data scientists.

- Mission: investigate the factors that determine the presence or absence of diseases and health related outcomes

- Analyze data, prepare reports and presentations, and use statistics and Geographic Information System (GIS) to guide program and policy development

- Access and experience with a variety of special data sources
  - *Births & deaths data (Vital Records), hospital and emergency department data, 911 data, vaccinations, and demographic data*

Dashboards in Development
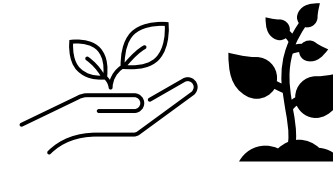
- ## General Demographics Dashboard
  - Population, births, deaths, top causes of injury/death, poverty status, etc.

- ## Comprehensive Health and Development
  - Drowning prevention, maternal health, developmental screenings, positive tox births

- ## Home Visiting and Family Support
  - Program reach, retention, equity of access, system capacity

Riverside County has ~230,000 children ages 0–5 (2028 projection)

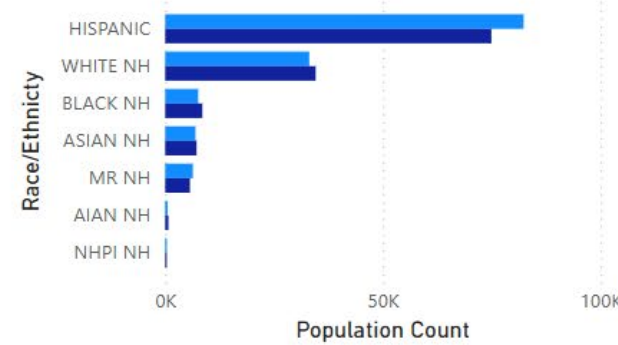Demographics of the 0-5 Years Old Population (Riverside County, 2024)
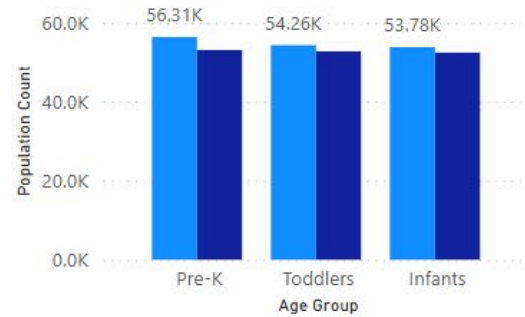
Source: California Department of Finance
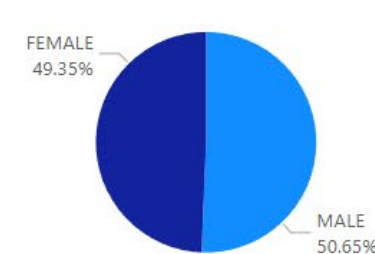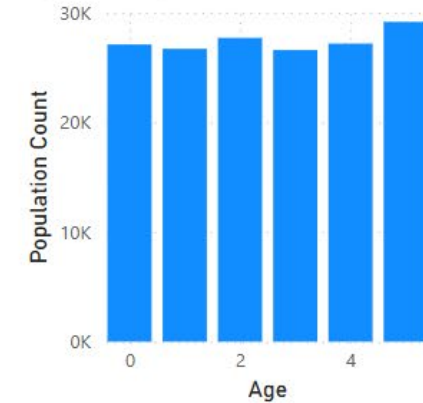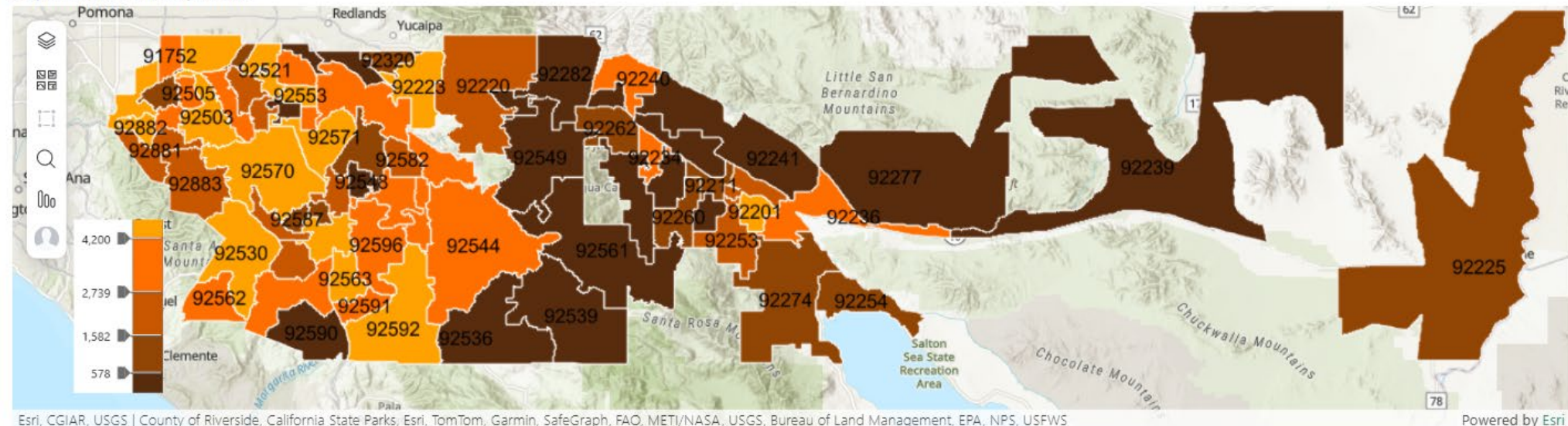
Deaths

Unintentional Deaths by Category in Riverside County, 0-5 yr olds (2018-2022)
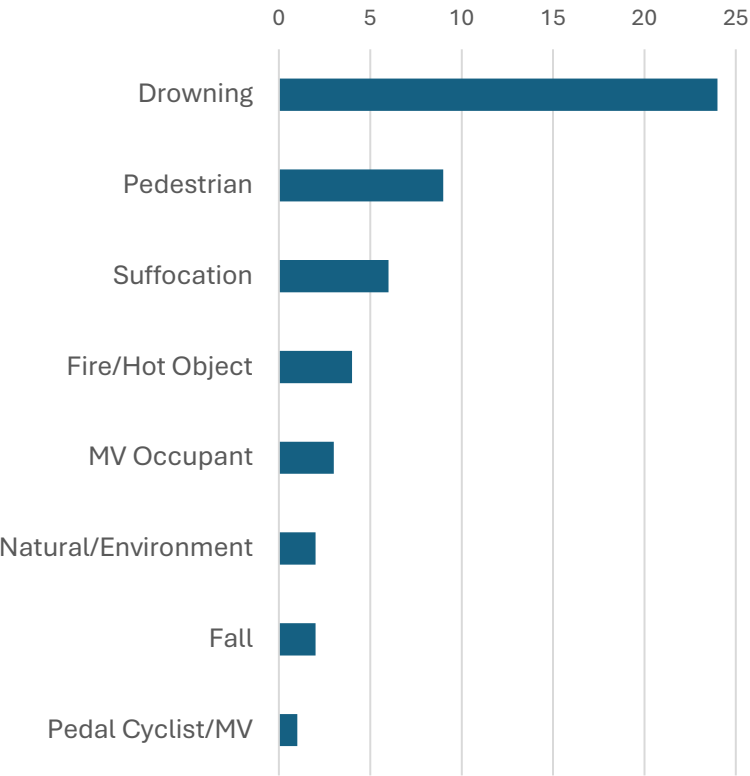
Infant Mortality Rate per 1,000 Live Births by Zip Code (2018-2022)

Source: Cal-IVRS
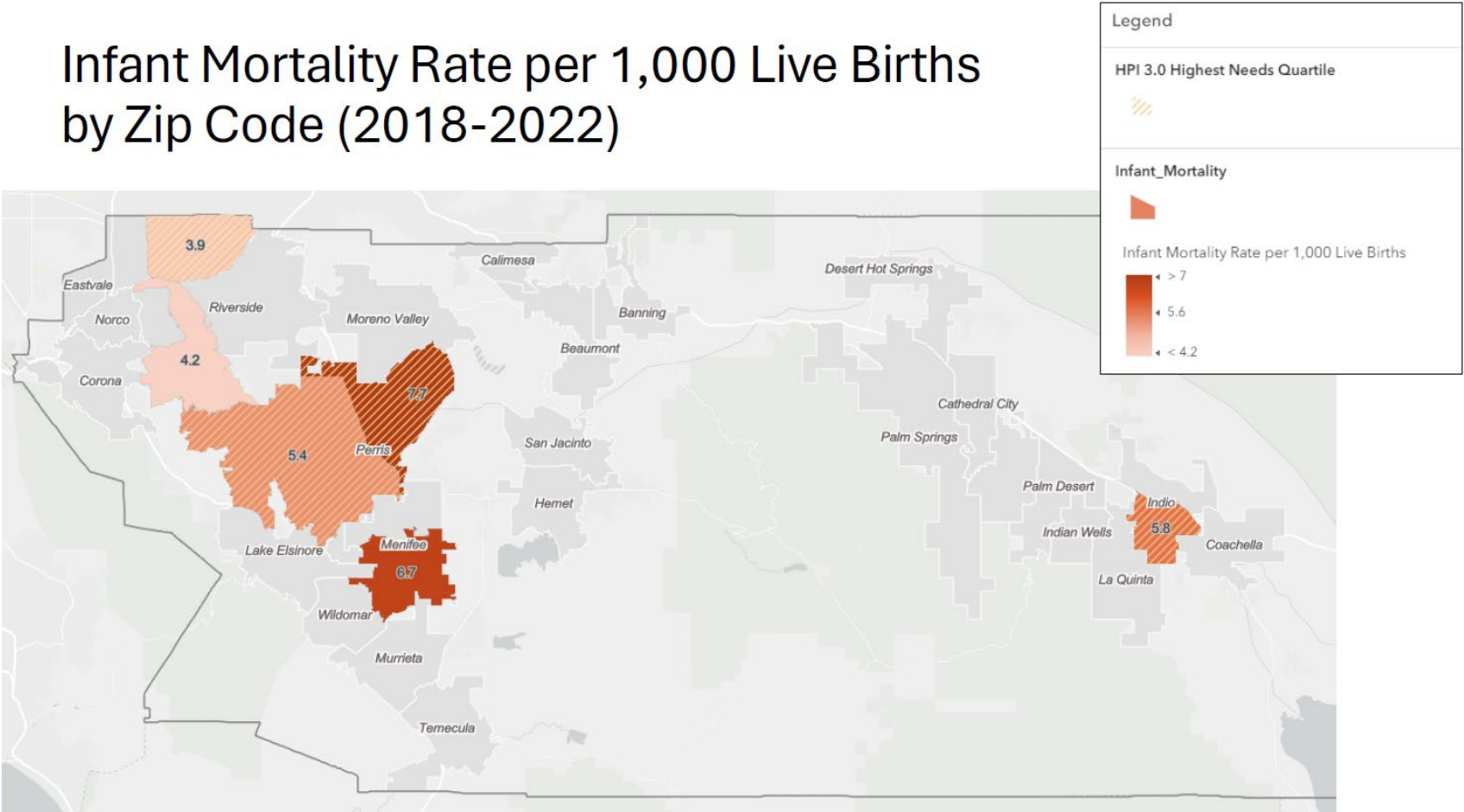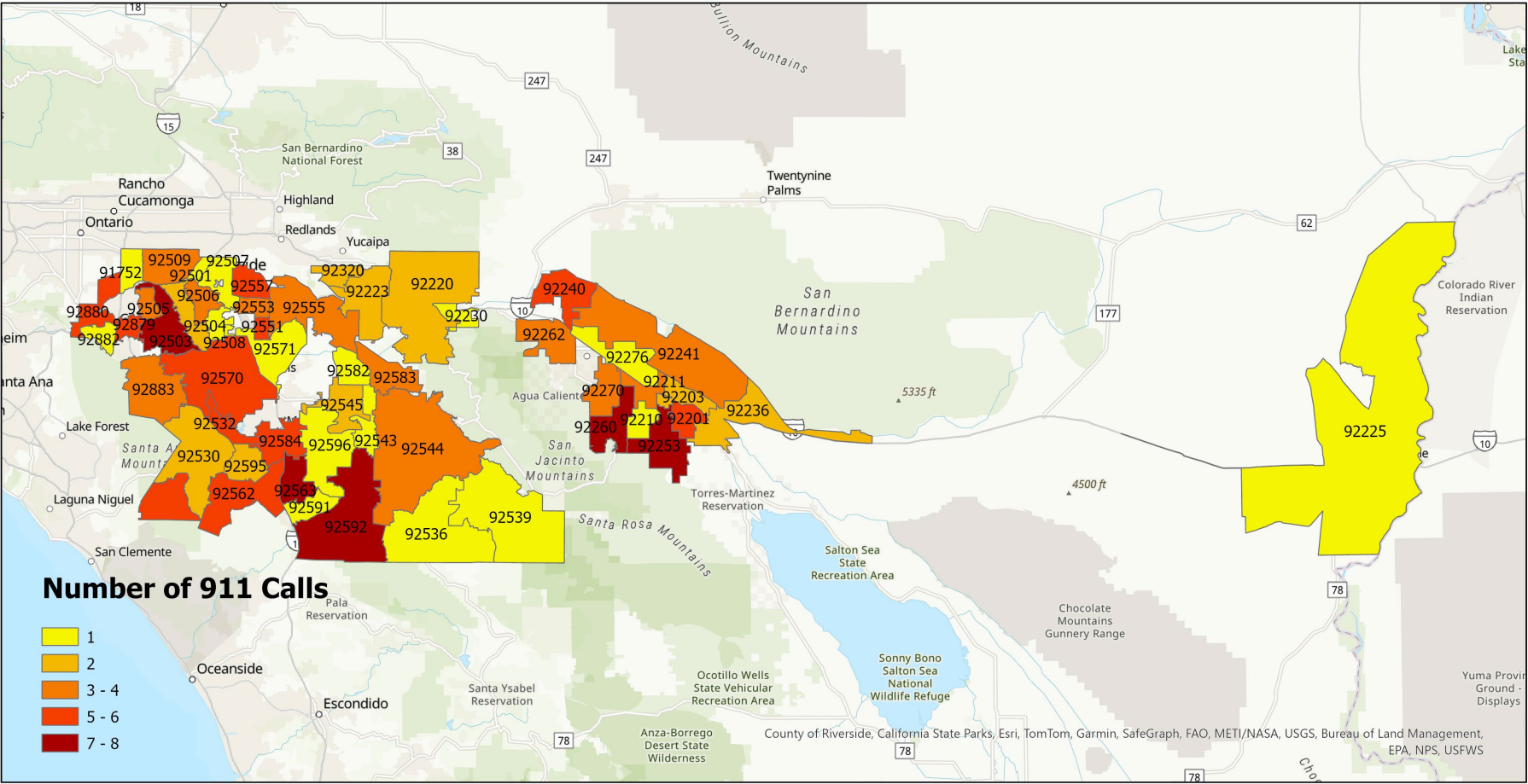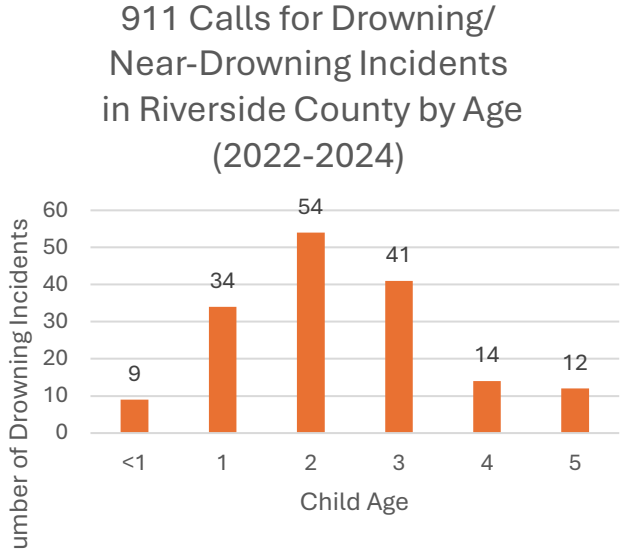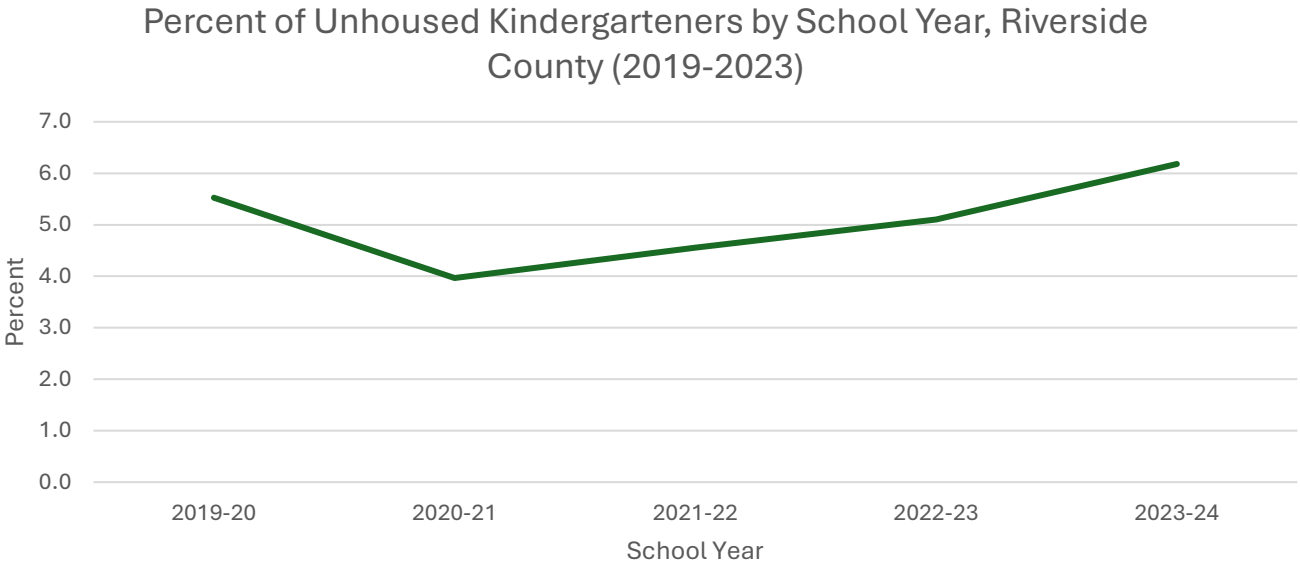
Drowning Prevention

911 Calls for Drowning/Near-Drowning Incidences of 0-5 Yr old Children in Riverside County (2022-2024)

911 Calls for Drowning/
Near-Drowning Incidents
in Riverside County by Age
(2022-2024)

Source: FirstWatch

Unhoused Students

Percent of Unhoused Kindergarteners by School Year, Riverside County (2019-2023)

2023-24 Homeless Student Enrollment by Dwelling Type, Riverside County, Disaggregated by Grade Level							
Grade Level	Cumulative Enrollment	Homeless Student Enrollment	Temporarily Doubled-Up	Temporary Shelters	Hotels/Motels	Temporarily Unsheltered	Missing/Unknown Dwelling Type
Grade TK	11,581	675	91.10%	3.60%	4.10%	1.20%	0.00%
Grade K	27,959	1,728	89.10%	4.20%	5.20%	1.50%	0.00%
Grade 1	30,592	1,408	85.90%	4.70%	7.30%	2.10%	0.00%

Source: California Department of Education

Prenatal Care

Percent of No Prenatal and Inadequate* Prenatal Care by PGB's Race/Ethnicity in Riverside County
(2018-2023)

■ Percent of No Penatal Care   ■ Percent of Inadequate Prenatal Care

Race/Ethnicity	Percent of No Penatal Care	Percent of Inadequate Prenatal Care
Multirace	1.3%	2.1%
Hispanic/Latino	0.9%	2.7%
American Indian/Alaskan Native	4.0%	2.6%
Asian	0.3%	4.6%
Black/African American	1.4%	2.3%
Native Hawaiian/Pacific Islander	3.9%	5.1%
White	0.8%	1.6%
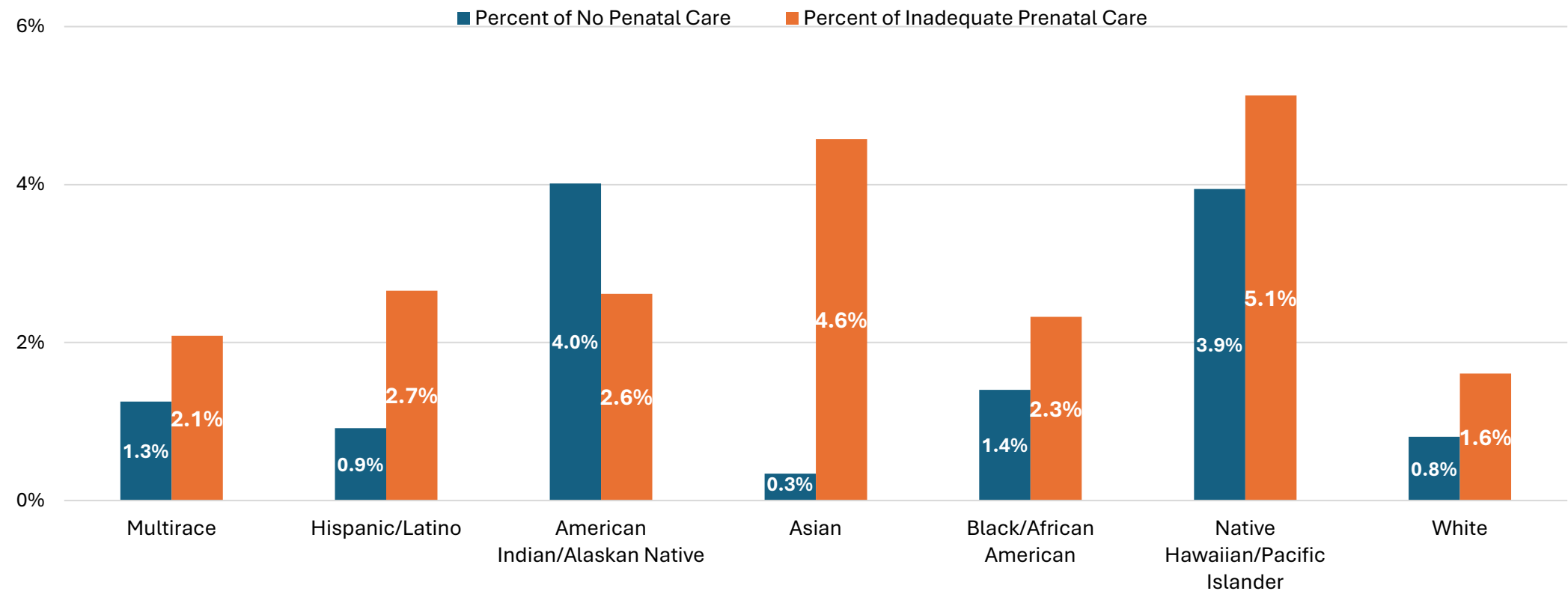
*Inadequate prenatal care: care that began after the 4th month of pregnancy, as well as prenatal care that included less than 50% of the recommended number of visits

Source: Cal-IVRS

Preterm Birth Rate (PTB) & Healthy Places Index (HPI)

- About 9% of births in Riverside County are preterm
- Period of Measure: 2018-2022, by zip code
- Preterm Birth Rate per 1,000 people
- HPI 3.0 score of social conditions that influence health outcomes

Relationship

↗ PTB Rate (2018-2022)

↘ HPI Score (Percentile)

High PTB rate - Low HPI

Low PTB rate - Low HPI

High PTB rate - High HPI

Low PTB rate - High HPI

Excluded from HPI 3.0, comparison not available.
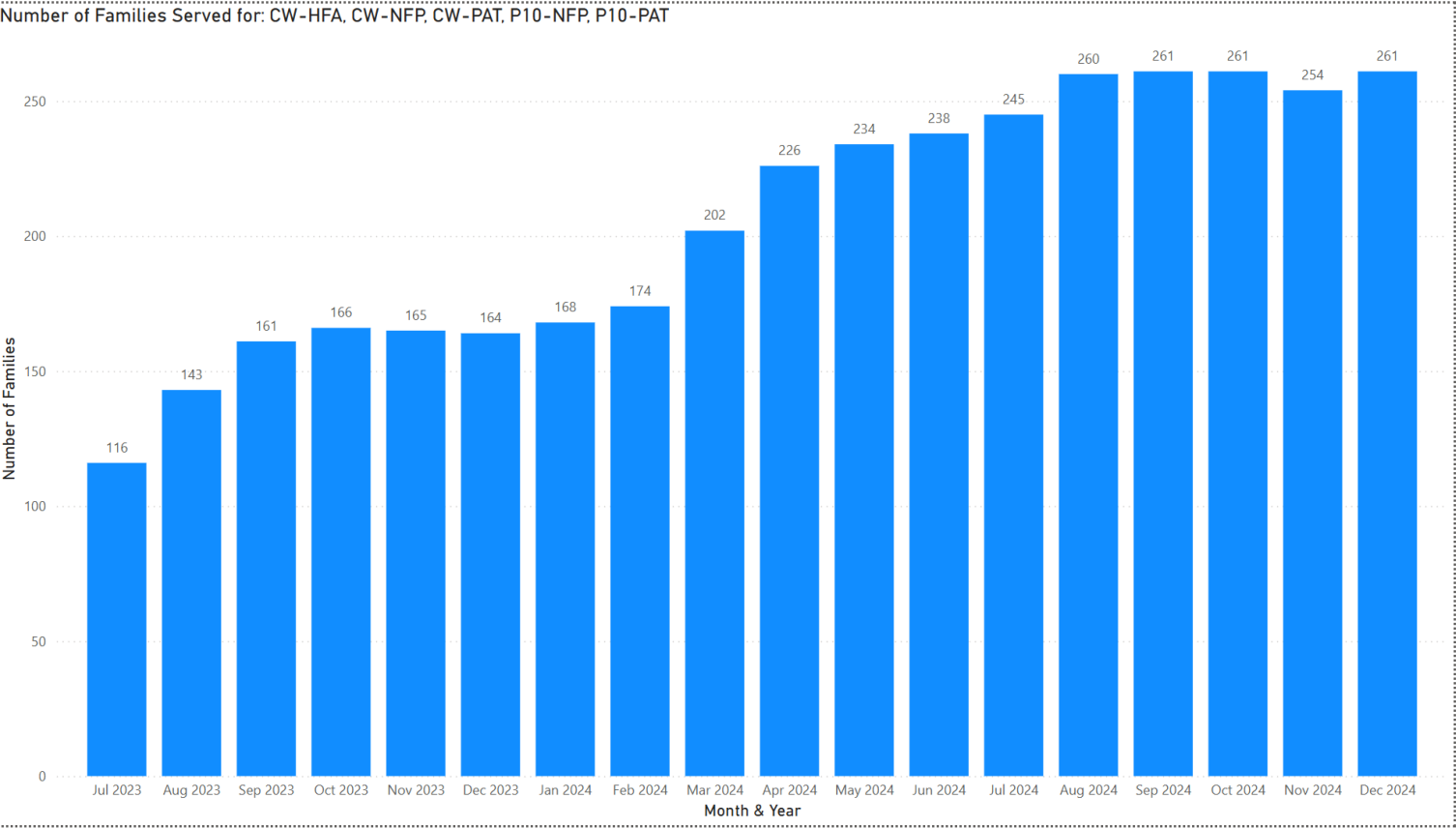

Source: Cal-IVRS, HPI
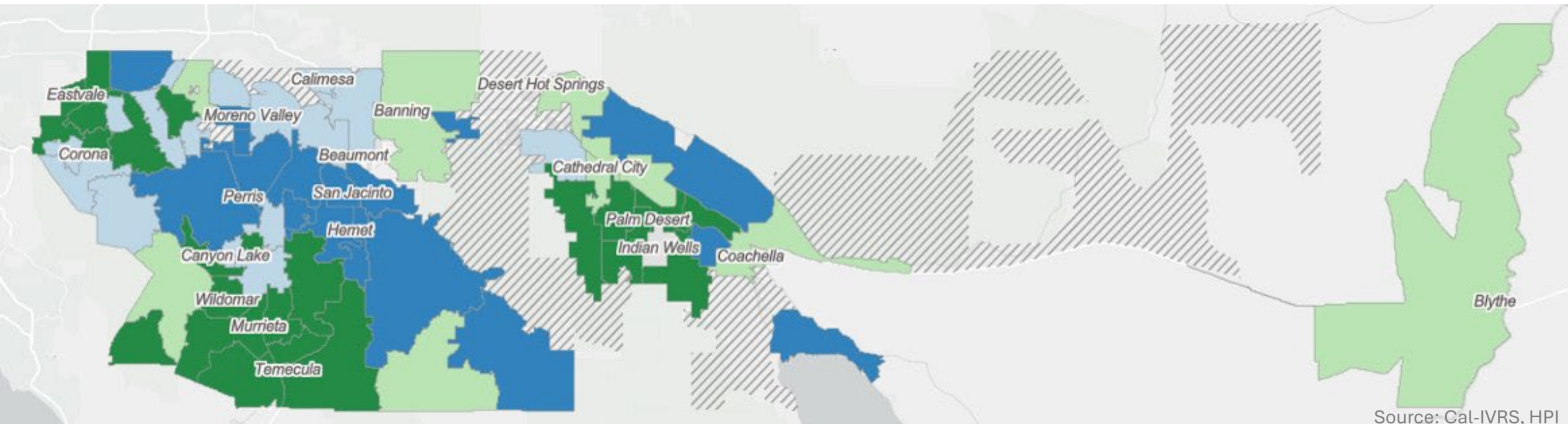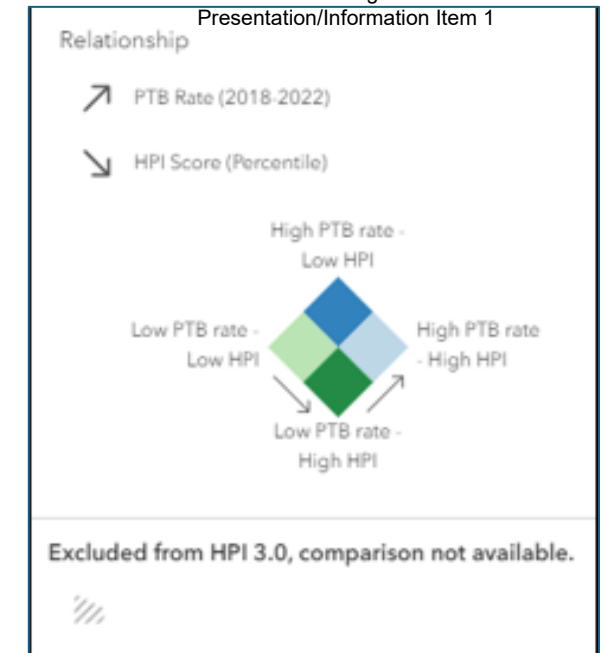
Home Visiting in Riverside County

- Voluntary, evidence-based support for parents through home visits and tele-visits.

- Coaches families on child development, health, and navigating daily challenges

- **Funding streams across county partners:**

  - *F5RC: CalWORKs Home Visiting Program + Prop 10 investments to expand access and sustain services.*

  - *RUHS-PH: Federal MIECHV + California Home Visiting Program (state general fund).*

  - *DPSS: FFPSA/Prevention funds supporting SafeCare model*

- Shared dashboards will provide countywide system level data on reach, retention, and equity of access – guiding future investments, service areas, and performance improvement.
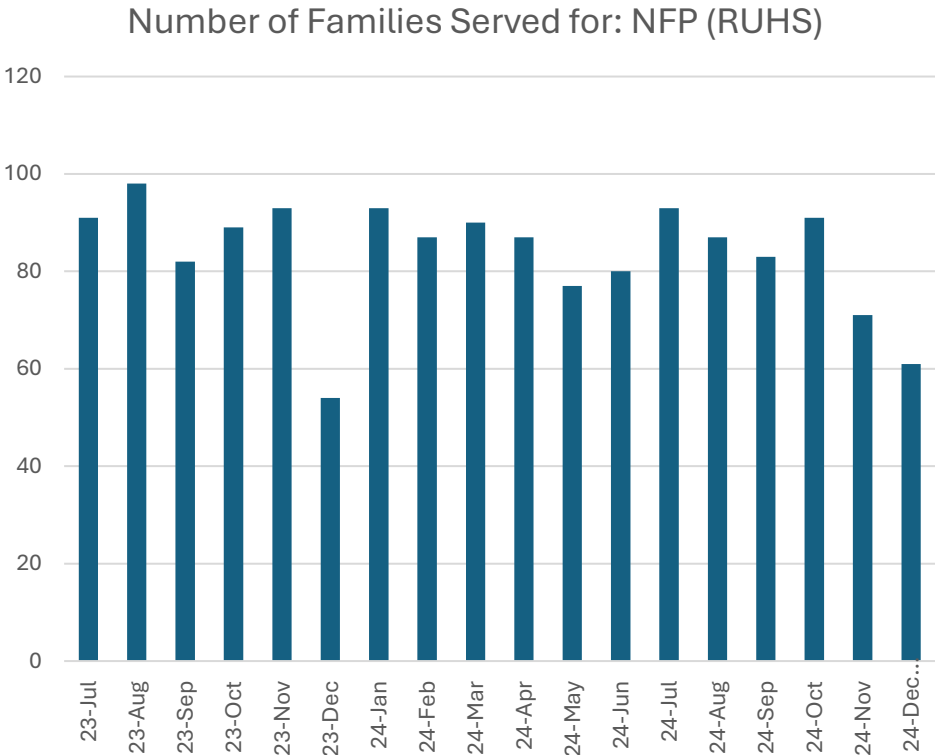
Home Visiting: County-wide Reach
7,000+ home visits delivered in FY 24/25
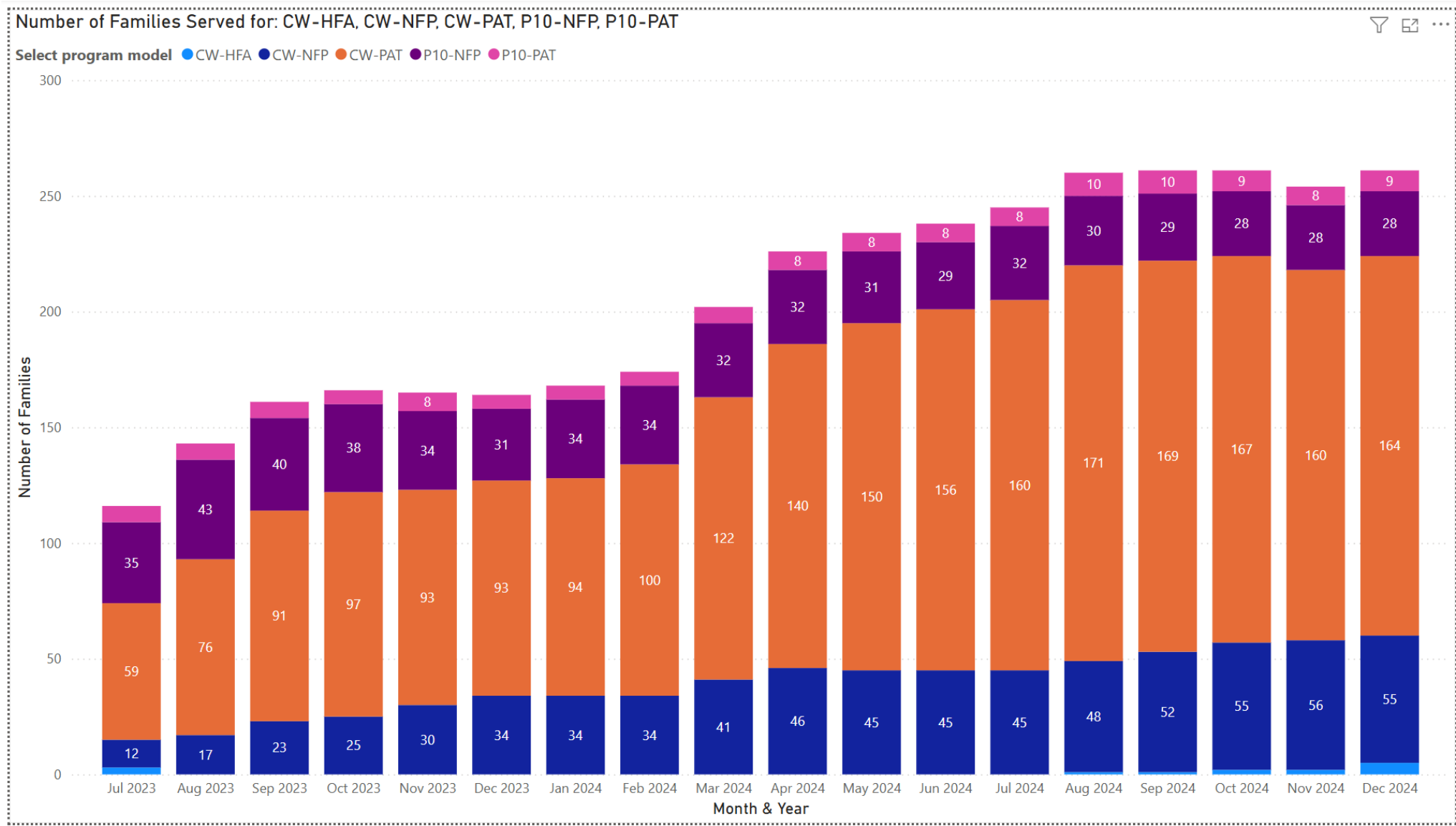
First 5 Programs

Number of Families Served for: CW-HFA, CW-NFP, CW-PAT, P10-NFP, P10-PAT

RUHS-PH Nurse Family Partnership Program

Number of Families Served for: NFP (RUHS)

Source: First 5 and RUHS program data

Home Visiting: First 5 Reach by Program Model

Source: First 5 program data

Home Visits: First 5 Retention

Participant Exit Reasons from First 5 Home Visit Programs (Jan-Dec 2024)

Source: First 5 program data
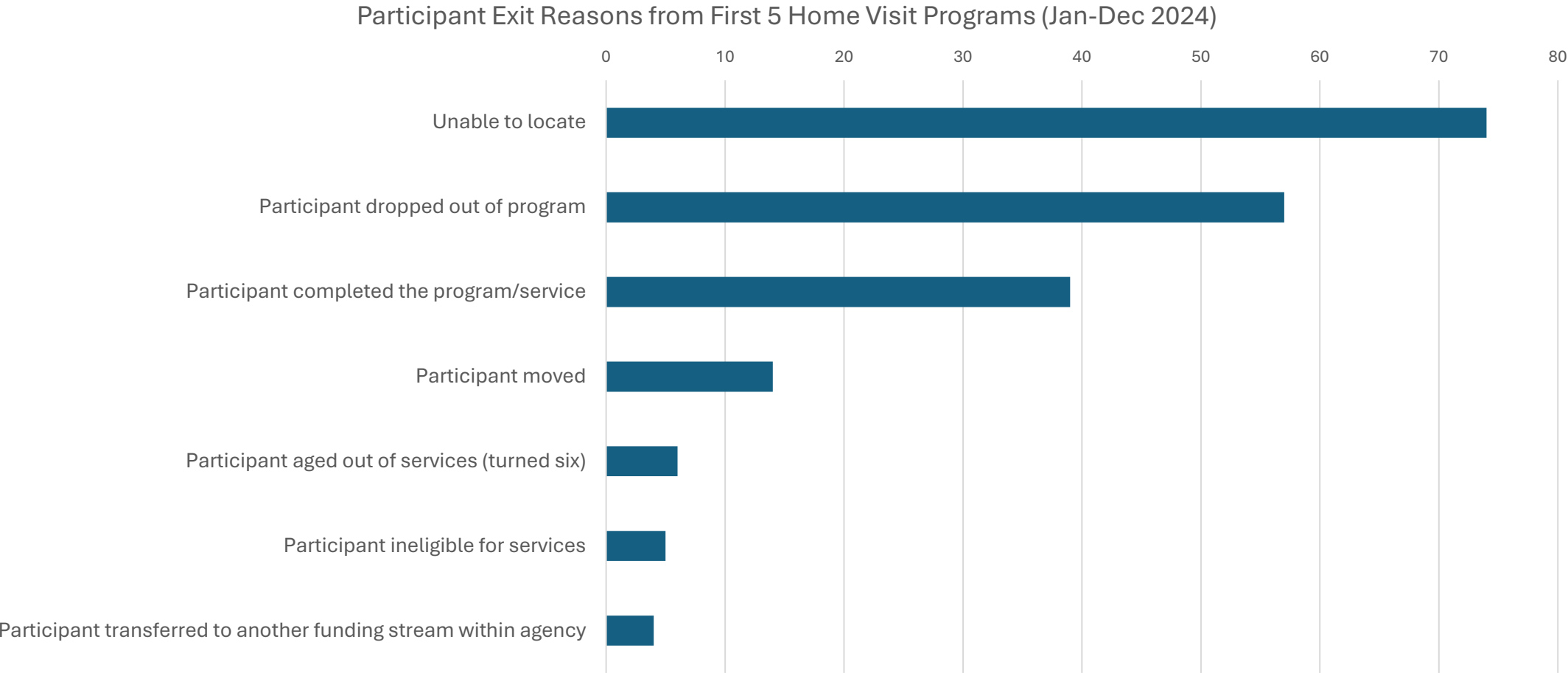
Future Data Source
Coachella Valley Community Health Survey

In 2025, HARC mailed flyers to 25,000 randomly selected Coachella Valley households—continuing its triennial tradition of capturing community health insights.

HARC's Community Health Survey provides baseline data to a community about demographic and socioeconomic characteristics, as well as health status and health risks. This provides background information that helps communities identify issues that need more focused attention. HARC's data is often used to:

- Apply for grant-funding

- Develop needed programs and services

- Develop public policy

- Prioritize needs