APCD Use Cases: Innovative State Examples

Spotlight on Rhode Island

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Welcome & Introductions

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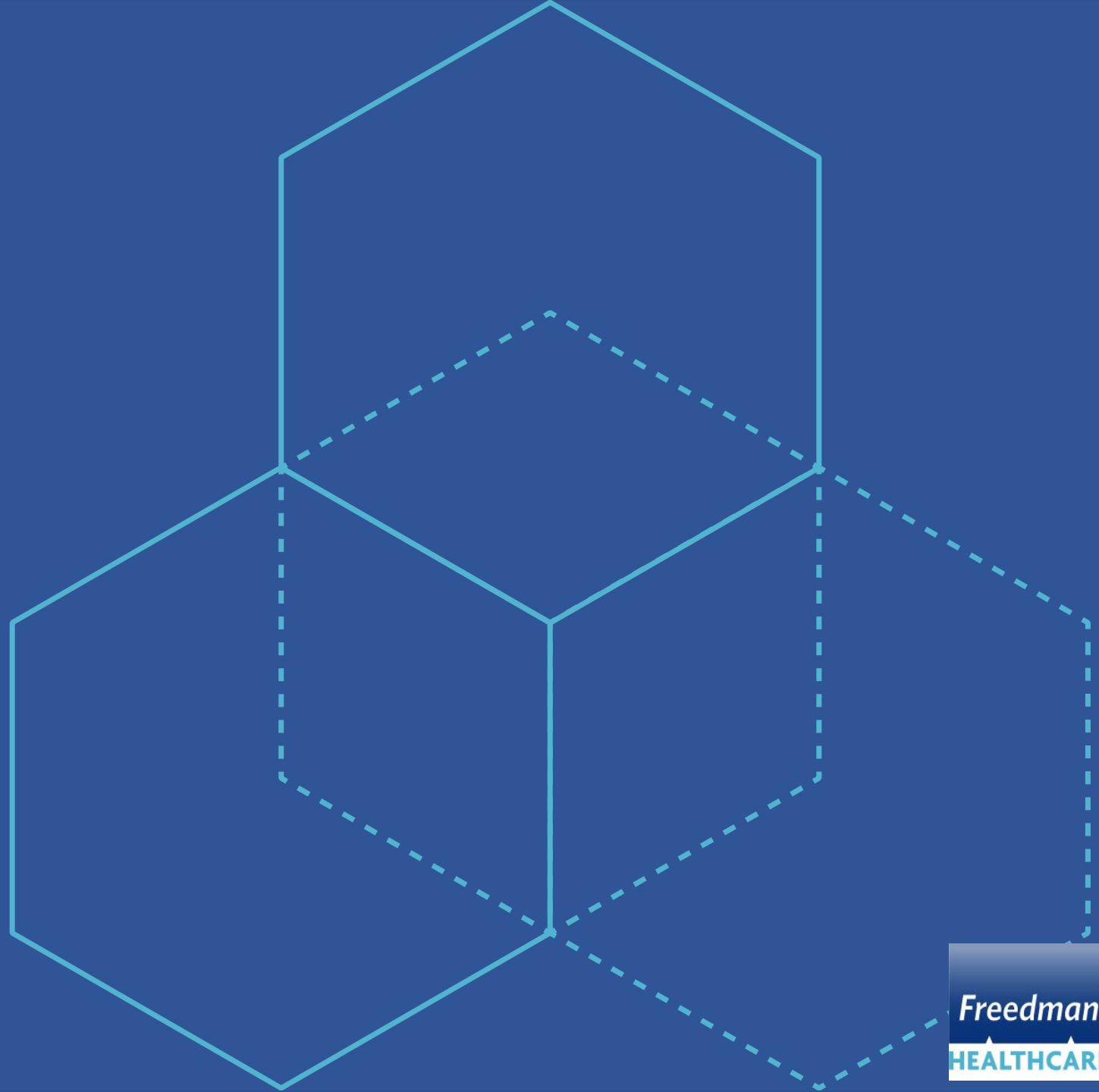


Timeline

2008
Legislation enabled the collection of healthcare claims data from payers

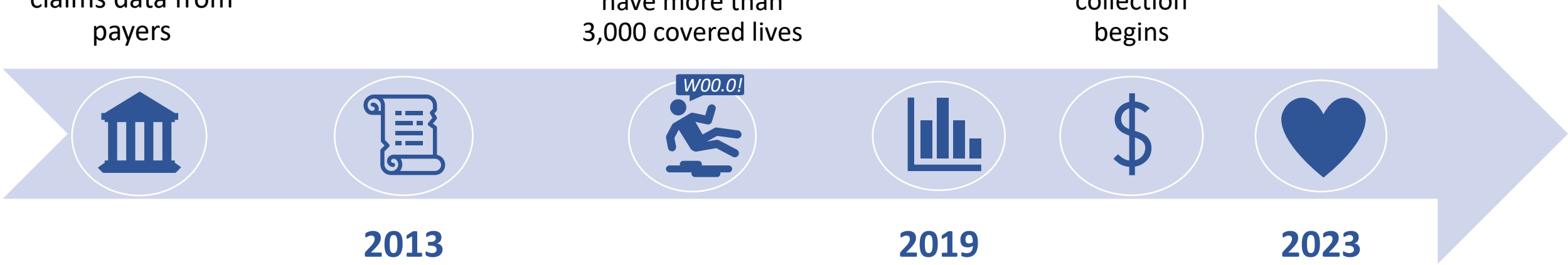
2013
Regulations issued to establish data collection guidelines and data release policies

2014
Data collection from commercial, Medicare, and Medicaid payers who have more than 3,000 covered lives

2019
Dental Claims data collection begins

2022
Alternative Payment Model data collection begins

2023
Health Equity Data regulation enacted

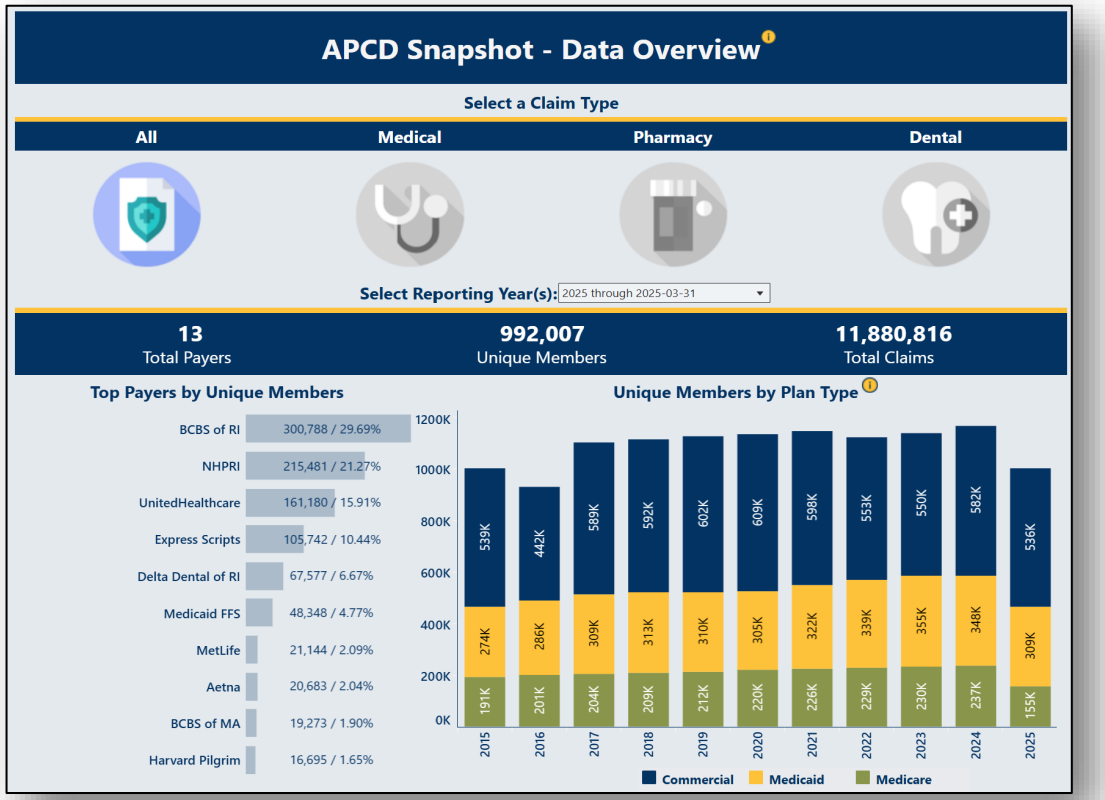


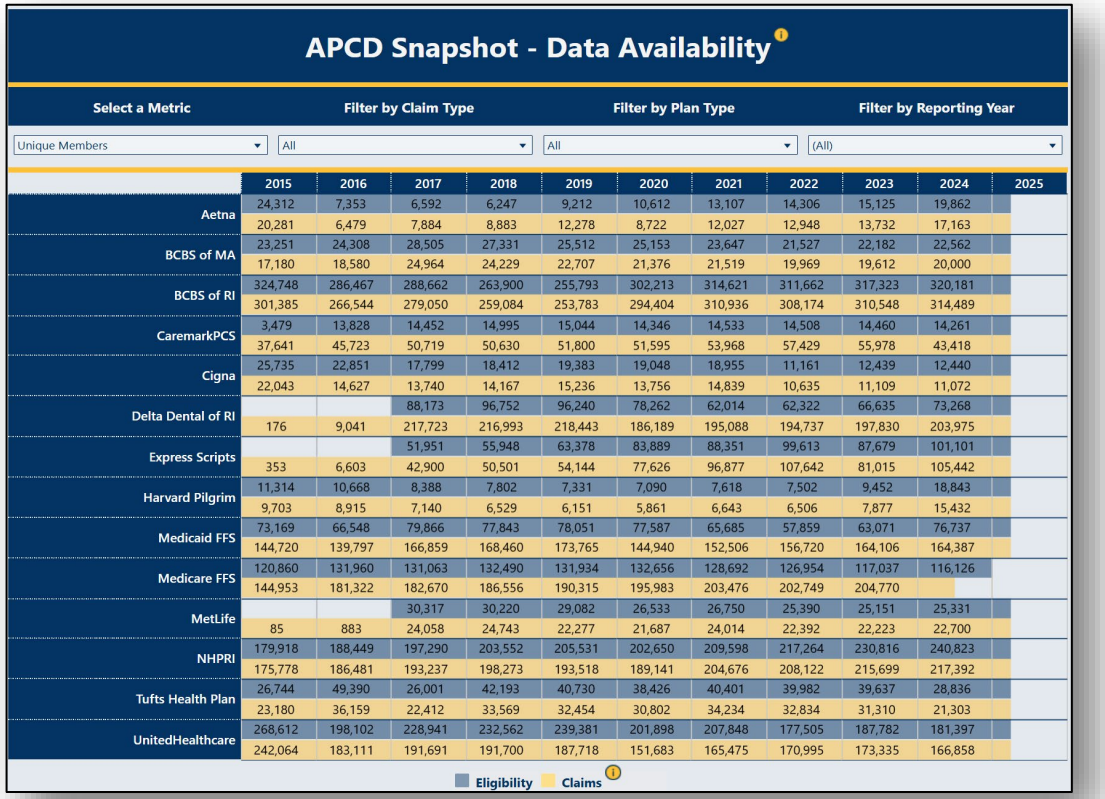
Founding Use Cases

- Department of Health
  - Ensure transparency of healthcare costs, quality, efficiency, and utilization.
  - Publish accessible reports to guide health planning and policy.
- Health Benefit Exchange
  - Provide information to design/manage plans and support consumer decision-making.
  - Meet federal reporting requirements and assess Exchange impact on access, cost, and quality.
- Office of Health Insurance Commissioner
  - Support insurance rate reviews, ACA risk adjustment, reinsurance, and CMS reporting.
  - Monitor affordability standards, reimbursement methods, and contracting.
- Medicaid Program
  - Conduct risk adjustment and inform managed care rate setting.
  - Guide redesign of care and payment models for dual eligibles.

Data Availability

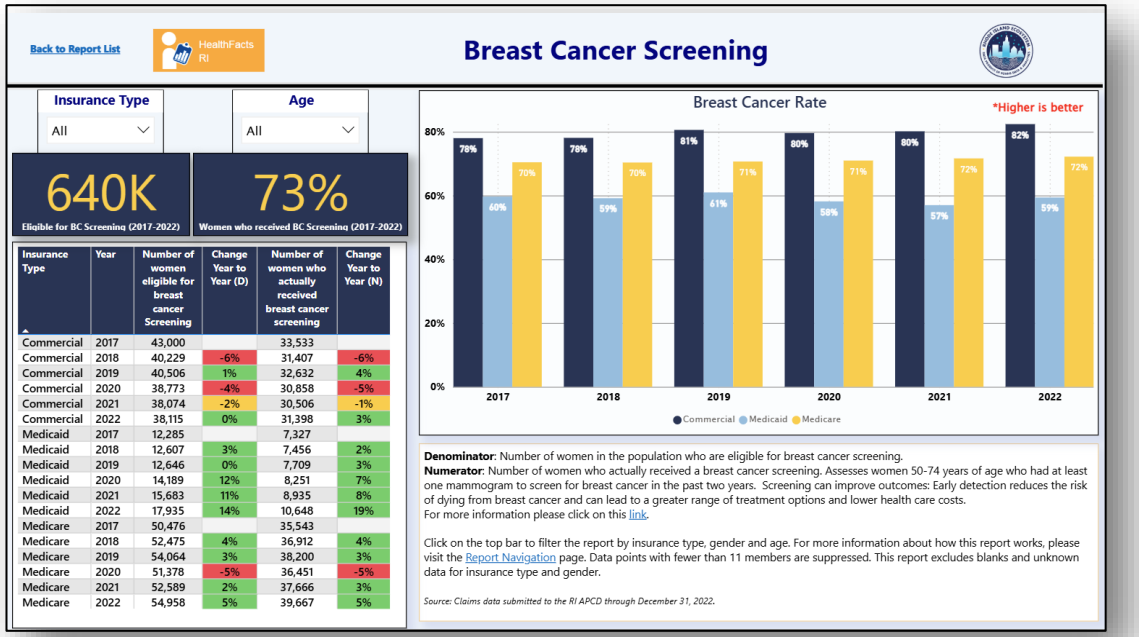
- Available data is summarized in our [APCD Snapshot Dashboard]



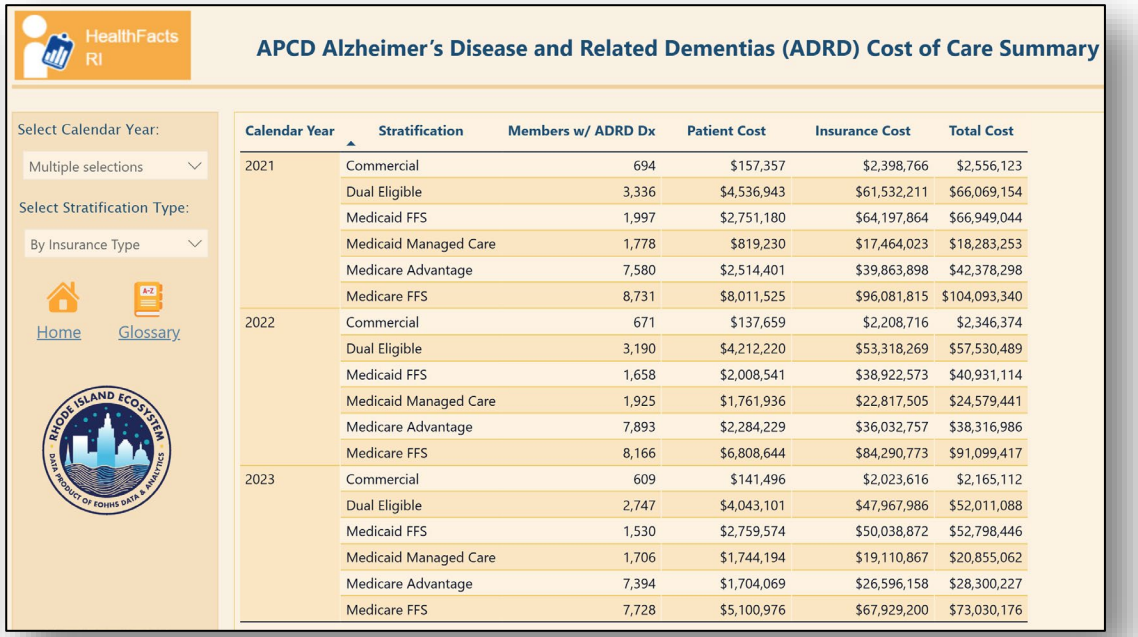


Data Availability

- Summary Tables, Reports, Claims Extracts, and interactive dashboards
  - Aligned measure set based [HealthFacts RI Interactive Public Reports]
  - Custom (Dental, Alzheimer's, Children's Behavioral Health)



Insurance Type	Year	Number of women eligible for breast cancer Screening	Change Year to Year (D)	Number of women who actually received breast cancer screening	Change Year to Year (N)
Commercial	2017	43,000		33,533	
Commercial	2018	40,229	-6%	31,407	-6%
Commercial	2019	40,506	1%	32,632	4%
Commercial	2020	38,773	-4%	30,858	-5%
Commercial	2021	38,074	-2%	30,506	-1%
Commercial	2022	38,115	0%	31,398	3%
Medicaid	2017	12,285		7,327	
Medicaid	2018	12,607	3%	7,456	2%
Medicaid	2019	12,646	0%	7,709	3%
Medicaid	2020	14,189	12%	8,251	7%
Medicaid	2021	15,683	11%	8,935	8%
Medicaid	2022	17,935	14%	10,648	19%
Medicare	2017	50,476		35,543	
Medicare	2018	52,475	4%	36,912	4%
Medicare	2019	54,064	3%	38,200	3%
Medicare	2020	51,378	-5%	36,451	-5%
Medicare	2021	52,589	2%	37,666	3%
Medicare	2022	54,958	5%	39,667	5%



Calendar Year	Stratification	Members w/ ADRD Dx	Patient Cost	Insurance Cost	Total Cost
2021	Commercial	694	$157,357	$2,398,766	$2,556,123
	Dual Eligible	3,336	$4,536,943	$61,532,211	$66,069,154
	Medicaid FFS	1,997	$2,751,180	$64,197,864	$66,949,044
	Medicaid Managed Care	1,778	$819,230	$17,464,023	$18,283,253
	Medicare Advantage	7,580	$2,514,401	$39,863,898	$42,378,298
	Medicare FFS	8,731	$8,011,525	$96,081,815	$104,093,340
2022	Commercial	671	$137,659	$2,208,716	$2,346,374
	Dual Eligible	3,190	$4,212,220	$53,318,269	$57,530,489
	Medicaid FFS	1,658	$2,008,541	$38,922,573	$40,931,114
	Medicaid Managed Care	1,925	$1,761,936	$22,817,505	$24,579,441
	Medicare Advantage	7,893	$2,284,229	$36,032,757	$38,316,986
	Medicare FFS	8,166	$6,808,644	$84,290,773	$91,099,417
2023	Commercial	609	$141,496	$2,023,616	$2,165,112
	Dual Eligible	2,747	$4,043,101	$47,967,986	$52,011,088
	Medicaid FFS	1,530	$2,759,574	$50,038,872	$52,798,446
	Medicaid Managed Care	1,706	$1,744,194	$19,110,867	$20,855,062
	Medicare Advantage	7,394	$1,704,069	$26,596,158	$28,300,227
	Medicare FFS	7,728	$5,100,976	$67,929,200	$73,030,176

health.ri.gov/data/healthfacts-ri-database

APCD Data Projects – Non-State

Requester	Project Name
University Researcher	Comparing Utilization, Outcomes, and Choice for VHA and non-VHA Health Systems
University Researcher	**Evaluating the Design of State Efforts to Reduce Healthcare Prices**
University Researcher	**Exploring the Health Impacts of Residential Eviction in Rhode Island**
University Researcher	Interdisciplinary Data Solutions to the Opioid Crisis in Rhode Island
University Researcher	Empowering the Safe, Effective and Efficient Use of Medications among Older Adults
MA State Agency	Monitoring of Costs and Market Functioning
Hospital	Evaluating HIV Pre-exposure Prophylaxis Implementation
Research Organization	Transitions in Health Coverage

State Partner Engagement

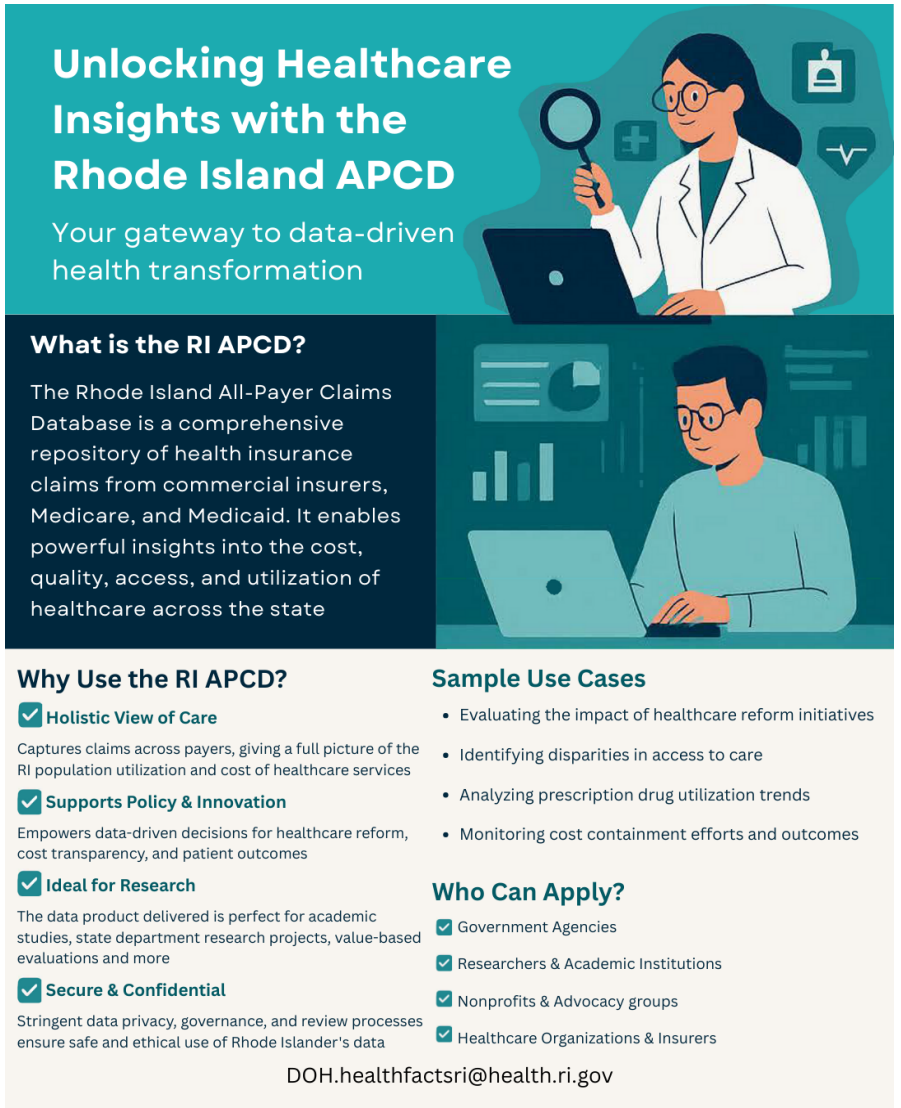
- RI Department of Health
- Sister State Agencies & Partners
  - Executive Office of Health and Human Services
  - The Office of the Health Insurance Commissioner
  - HealthSource Rhode Island (Health Benefits Exchange)
  - RI Governor's Office
- State requests typically fall into one the following topic areas:
  - Enrollment & Coverage
  - Spending & Cost
  - Condition & Population Studies
  - Quality & Preventive Care

Data Projects – State

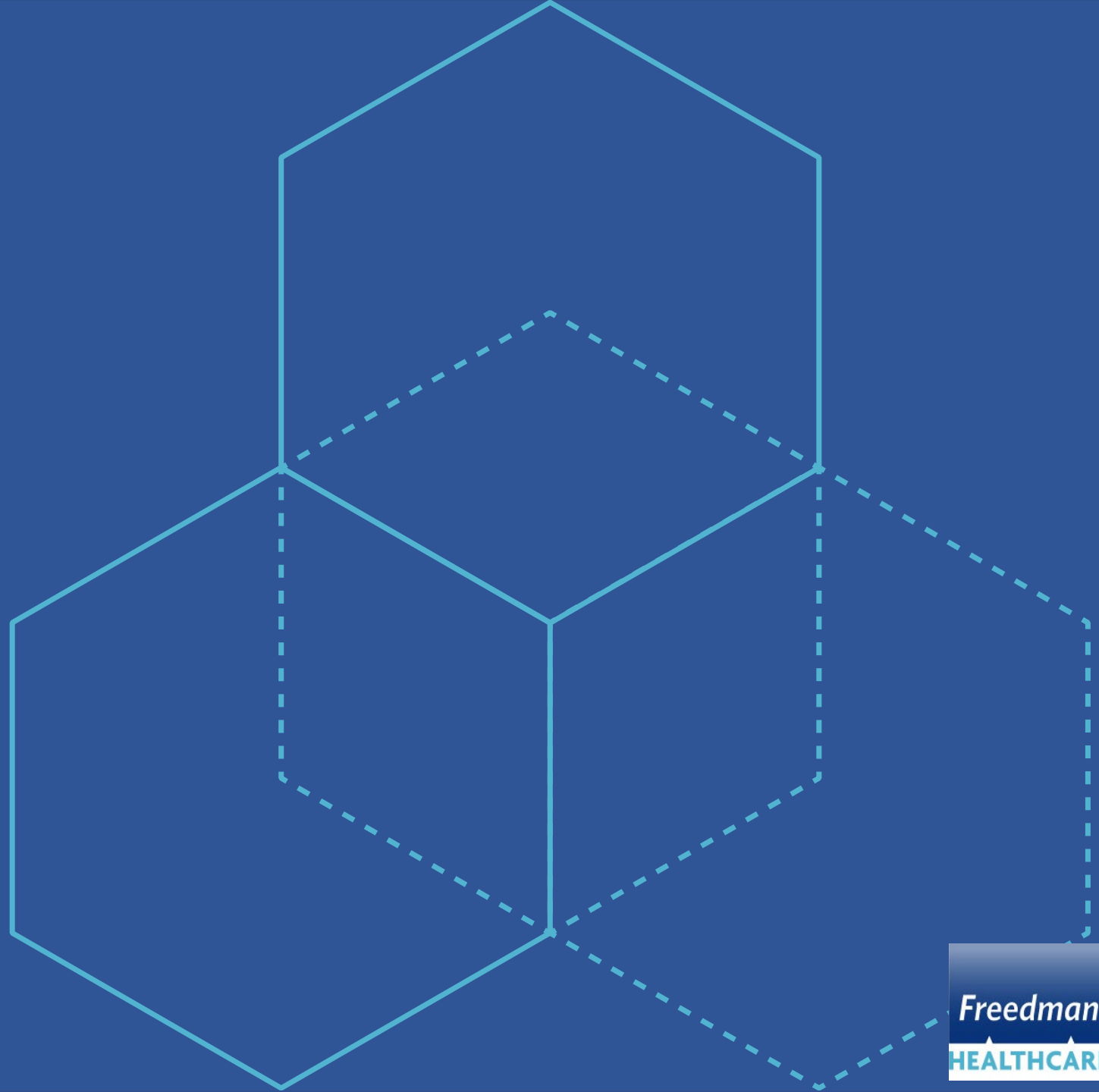
Requester	Project Name
Department of Health	Actuarial analysis of tobacco interventions
Health Source RI	Analysis of RI exchange member characteristics
Brown University	Spending on cancer treatments, Medicaid share
Rhode Island Attorney Generals Office	Pharmacy claims for PBM review
Office of the Health Insurance Commissioner	Cost-sharing for Behavioral Health parity analysis

Outreach Efforts

- Fiscal sustainability requires promoting the RI APCD as a data source to support State priorities, including:
  - Healthcare Workforce Planning
  - Healthcare System Planning
  - Health Spending Accountability and Transparency Program
- External outreach:
  - Researchers, graduate students and PhD programs
  - Healthcare providers and systems
  - Pharmaceutical companies
  - Consulting and analytics firms



Cost Trends



Overview

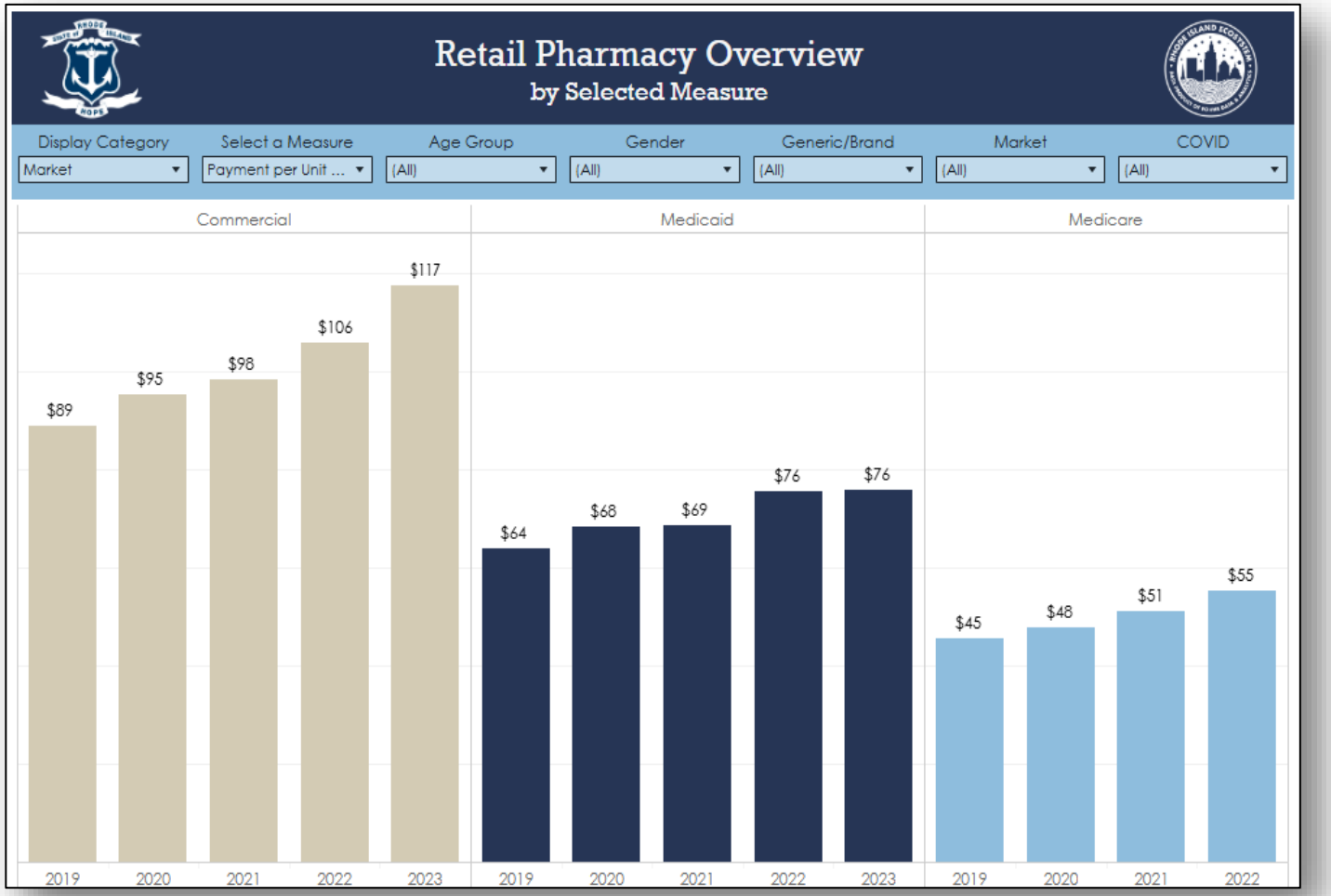
- Health Spending Accountability and Transparency Program (Cost Trends)
- Purpose is to inform provider organizations, payers, purchasers, policymakers, and state residents interested in improving healthcare affordability in Rhode Island
- Cost Trends dashboards provide:
    - Transparent reporting on trends in spending and use of services in Rhode Island
    - Detailed information on cost drivers, including:
        - → Total spending, total units
        - → Price per unit (PPU), units per thousand members (UPK)
        - → Per member per month (PMPM) spending
- Website: https://ohic.ri.gov/data-reports/ohic-data-hub

Dashboards

Public dashboards include:

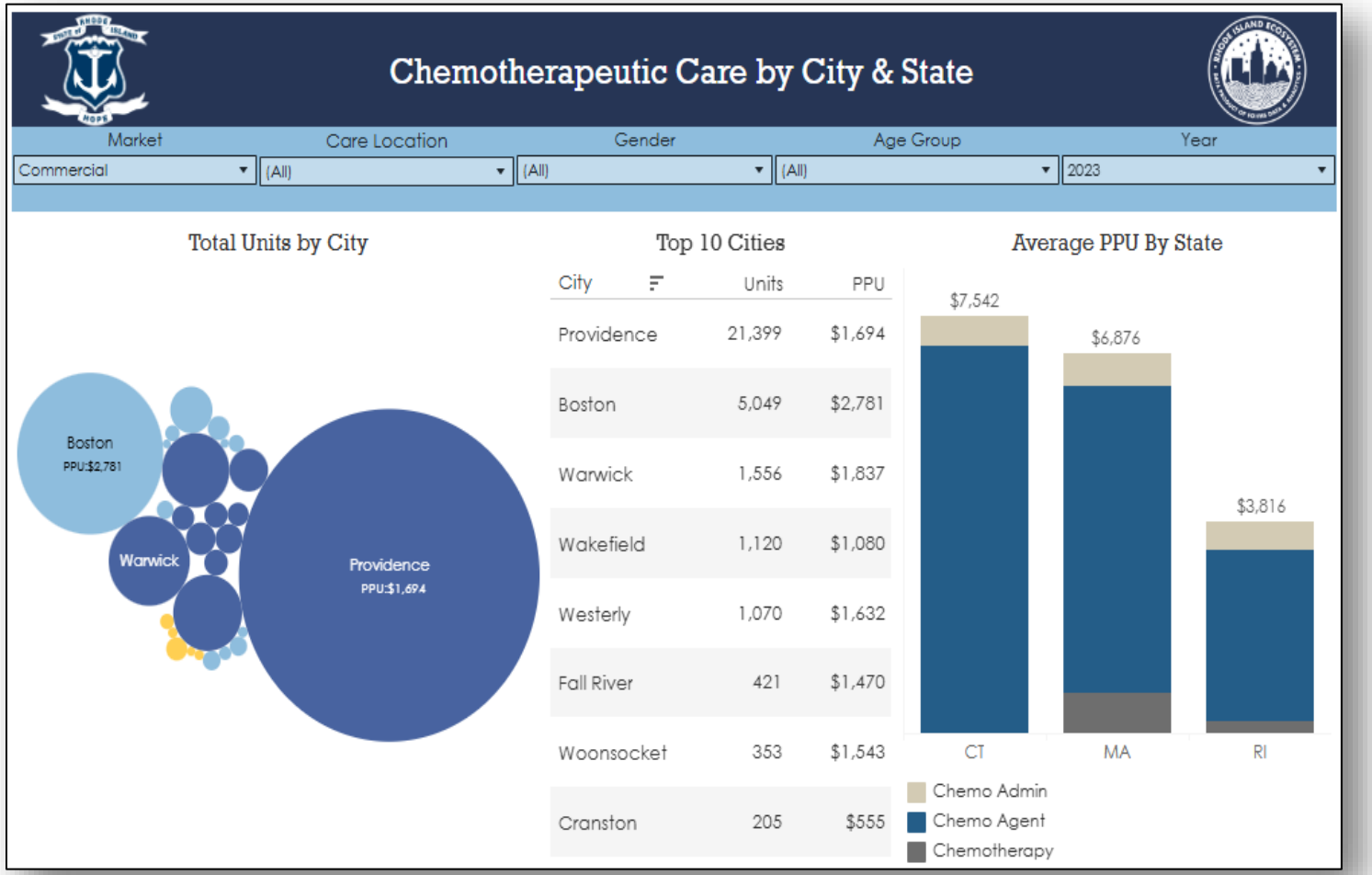
Overview by Service Category	Inpatient Trends (by APR-DRG)
Retail Pharmacy	Emergency Department Visits
Medical Pharmacy	Chronic Conditions
Outpatient and Professional Procedures	Care Migration
Mental Health	Care Migration for OP Chemotherapy

Retail Pharmacy – PPU by Payer



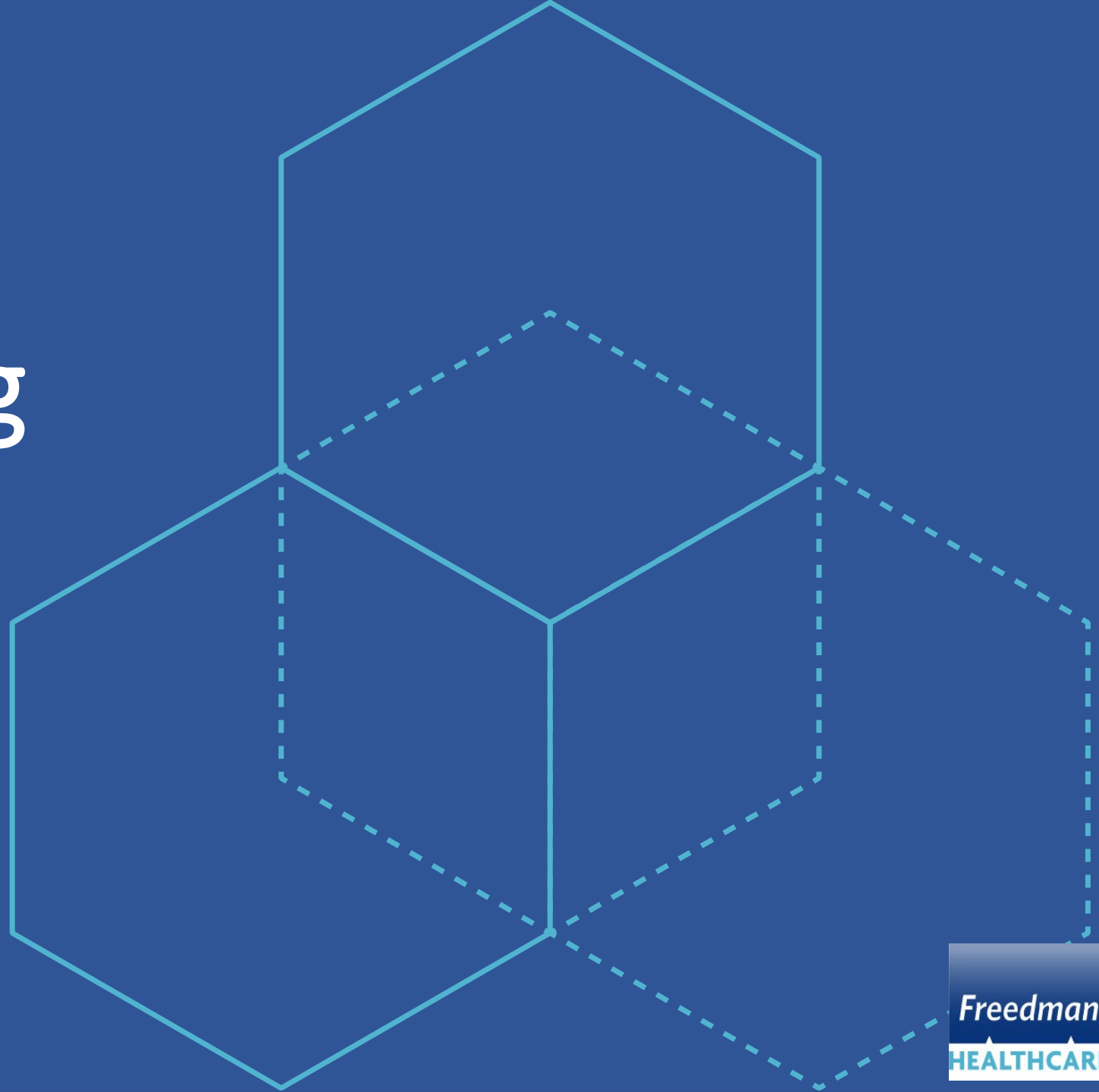
- PMPM, PPU and UPK measures
- View results by drug category/class (51)
- Filter results by age, gender, and status (brand v. generic)
- Additional views:
  - Spend by Drug Category
  - Drug Category Table
  - Highest Spending
  - Category Drilldown

OP Chemotherapy by Location



- Top 10 cities where RI residents receive OP Chemotherapy
- Interactive bubble chart and summary table
- Average PPU by state with drug and administration detail
- Additional views:
  - Top 20 drugs by spend
  - Table with units, total spend, and PPU detail for individual drugs

Health Care System Planning



Overview

- Rhode Island Governor Dan McKee established the Health Care System Planning Cabinet in 2024
- The Cabinet's charge is to use data to ensure access to high-quality, affordable care for all Rhode Islanders
- The Foundational Report was published in 2024 and is the basis for the Rhode Island Health Care System Plan now in development
- Data dashboards and visualizations in the Health Care System Planning Data Center support the Foundational Report and will be expanded to continuously inform data-driven decisions

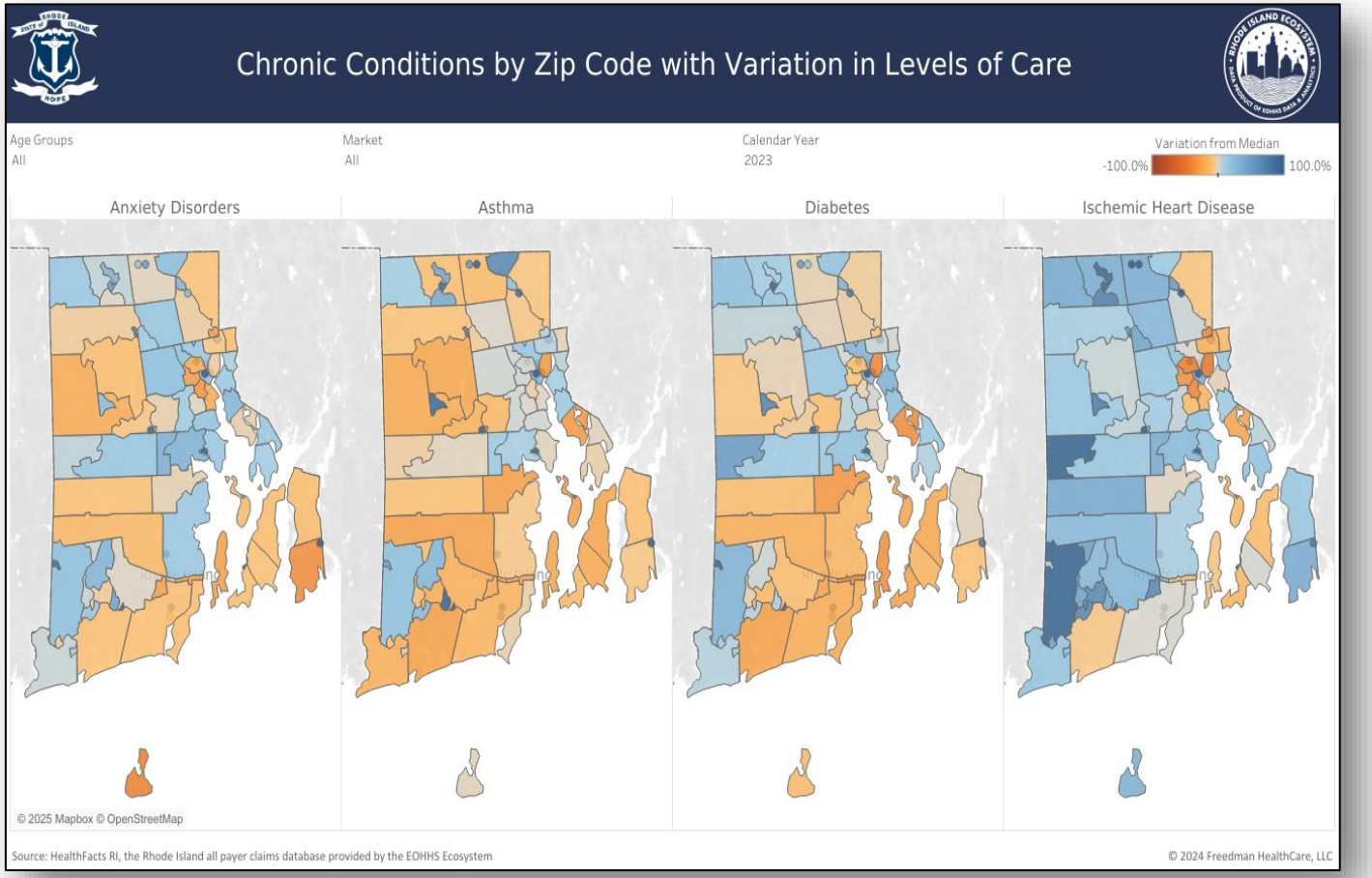
Dashboards and Visualizations

Health Care System Planning Data Center Dashboards:

Long-Term Care and Healthy Aging • Community Health Center Population by Age, Dual Eligible Status • Nursing Home Stars Ratings and Distribution by County • Top Ten Diagnosis by Age and Year	**Health Related Social Needs** • Chronic Conditions by ZIP Code with Variations in Levels of Care by Payer Type
Interdependencies and Cross Cutting Issues • Inflow and Outflow Among Licensed and Employed Individuals	**Rhode Island Health Care Workforce Data Dashboard**

Insights from HealthFacts Rhode Island (RI APCD)

- CMS Chronic Conditions Warehouse (CCW) categories group chronic conditions
- Utilization is mapped to highlight geographic variation in the level of care Rhode Islanders with a diagnosed chronic condition receive
  - Darker shades of orange indicate less care delivered than the median
  - Darker shades of blue indicate higher-than-median level of care
- Claims data facilitate payer type and age group comparisons
- Opportunity to pair with additional data relative to Health-Related Social Needs

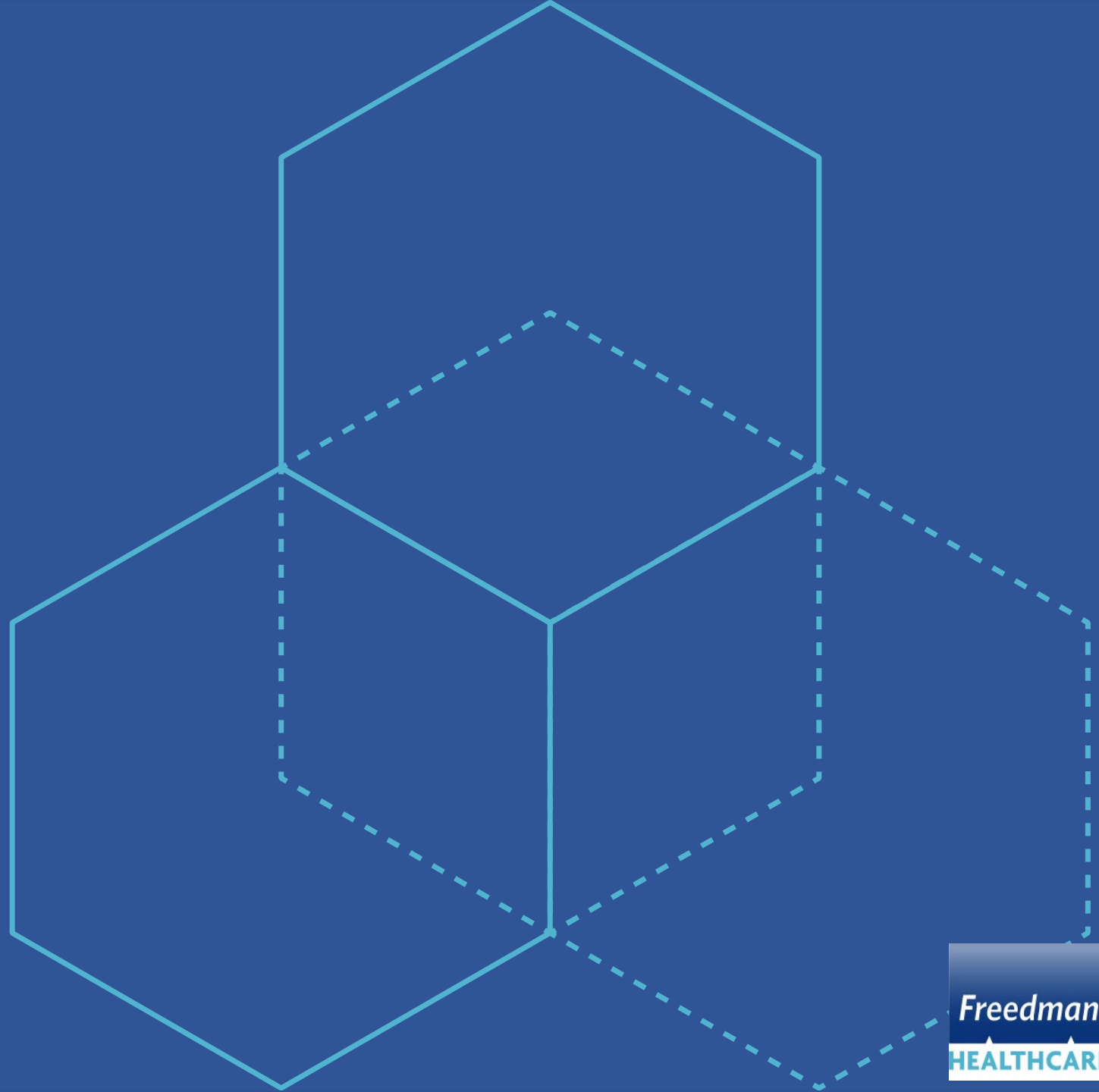


Rhode Island Health Care System Planning-Data Center

Data Development and Near-Term Priorities

Centralize Health Data in the Ecosystem	*Incorporate additional data into the Ecosystem supports holistic planning across the State's system of care*
Fiscal Transparency and Performance-Monitoring	*Hospital fiscal transparency and performance-monitoring dashboard*
Primary Care Support	*Primary care provider capacity assessment*

Ecosystem

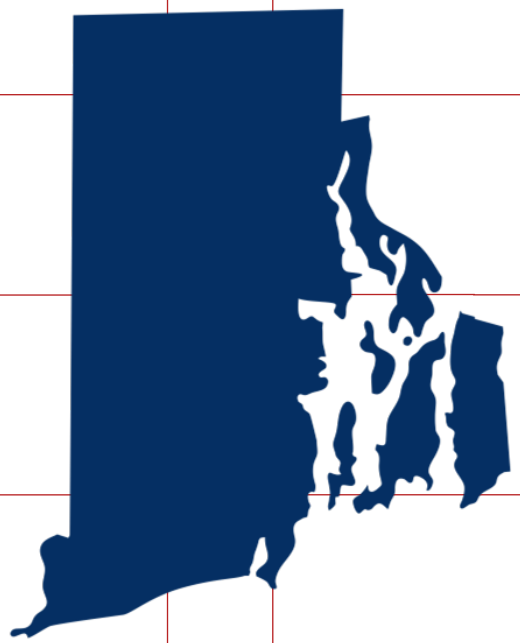


Overview

- A one-of-a-kind data utility, established in 2017, which acknowledges the ways in which we are raised by our families, rooted in our communities, and products of our histories
- Integrates and makes available person-level, de-identified information sourced from several State agencies and community-based organizations
- Evaluates new data sets as the understanding of how individuals interact with the health, human, and social services systems in Rhode Island evolves
- Involves consensus-based data governance policies, processes, and procedures for collecting and sharing data

Data Sets

- Medicaid
- Department of Children, Youth, and Families (DCYF)
- Department of Human Services (DHS)
- Department of Labor and Training (DLT)
- Department of Corrections (RIDOC)



- Department of Health (RIDOH)
- Department of Education (RIDE)
- Rhode Island Coalition to End Homelessness (RICEH)
- CCBHC / MRSS
- Other: AOSC, BHDDH, RIQI (HIE)

Priorities

APCD Integration

Revise the APCD enabling legislation to allow for the collection of direct personal identifiers

RIB Integration

Create automated data feeds from RI Bridges (RIB) to the Ecosystem, e.g., Medicaid, RI Works, SNAP, TANF, CCAP, LTSS

RILDS Collaboration

Investigate opportunities for interoperability between the Ecosystem and the Rhode Island Longitudinal Data System (RILDS)

Analytic Capacity

Build out increased analytic capacity through additional software tools and training

Standardization

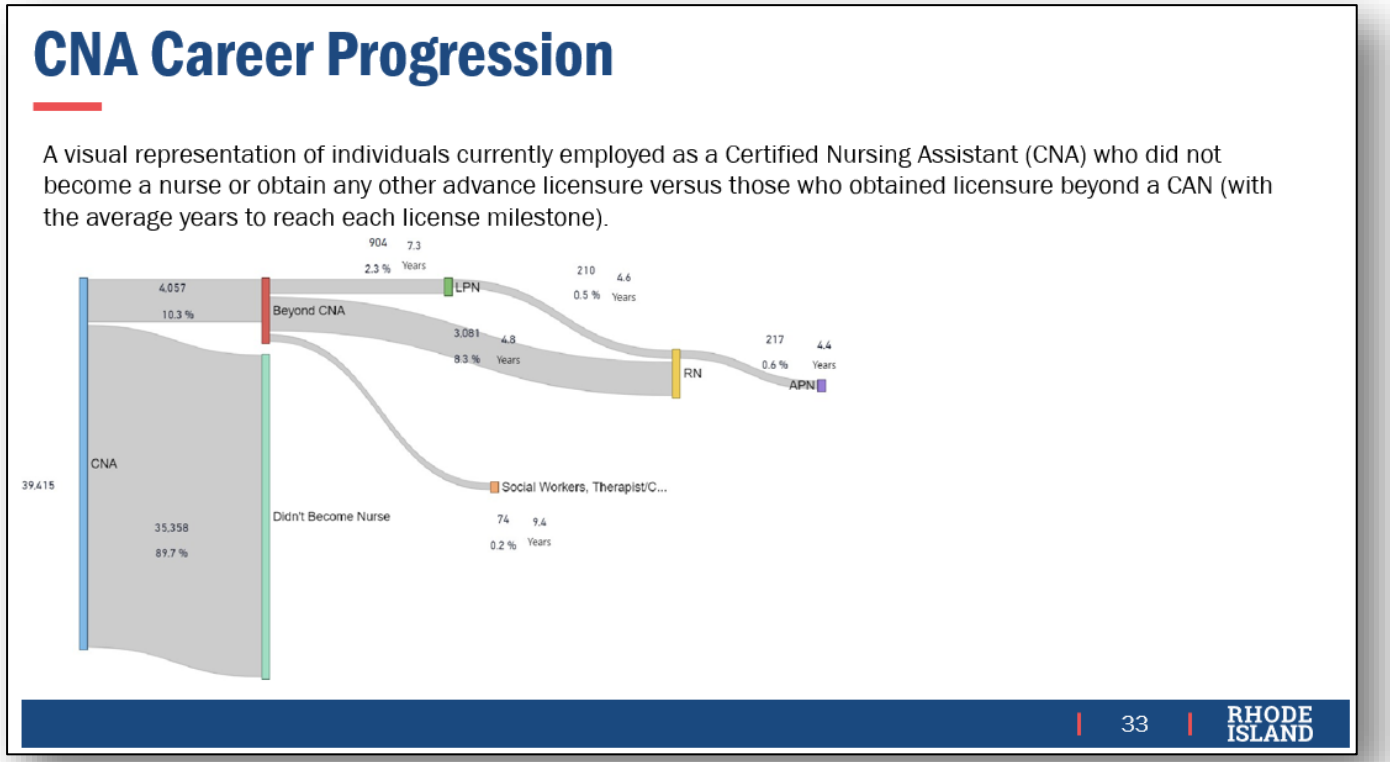
Support statewide data standardization efforts by endorsing and facilitating new methods

APCD Identifiers Integration

- APCD enabling legislation requires the database to be de-identified, not allowing for the retention or direct use of Personally Identifiable Information (PII)
    - The State uses a third-party ‘encrypted unique identification’ process that allows for PII to be submitted by payers and used to track members longitudinally and across insurers
    - For the past three years, the State has submitted a request to revise the legislation and regulations to allow for the direct use of PII
- PII would support optimal Person Identity Management practices across data sets, allowing for the most accurate tracking of Rhode Island’s APCD population
    - If permitted to collect PII, the State could integrate its APCD with the Ecosystem – a strategic priority of the Ecosystem Governing Board for SFY26

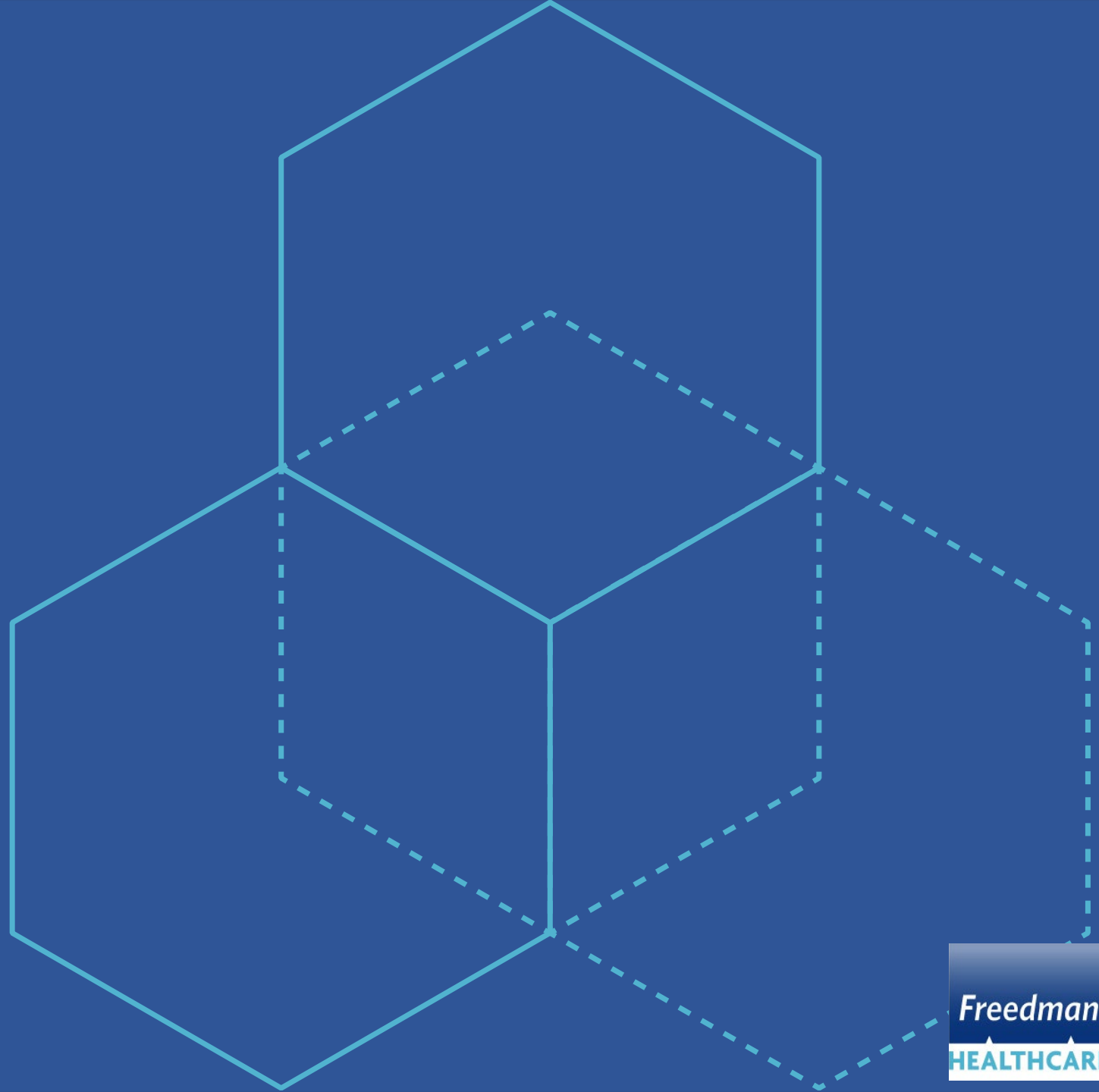
Public Reporting Use Case Examples

- Health Workforce Data Dashboard: https://eohhs.ri.gov/health-workforce-dashboard
- Rhode Island Justice Reinvestment Dashboards: https://justice.ri.gov/statistical-analysis-center-information/justice-reinvestment-dashboards
- Office of Child Care Data Dashboard: https://dhs.ri.gov/programs-and-services/child-care/research-reports-surveys-news
- Early Intervention Demand Dashboard: https://eohhs.ri.gov/consumer/families-children/early-intervention-program/early-intervention-data-dashboard



Health Workforce Data Dashboard

Q&A and Close



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