

Arkansas APCD Data Users Group

Version 1.0.2019



September 2019

ADMINISTERED BY  **ACHI**

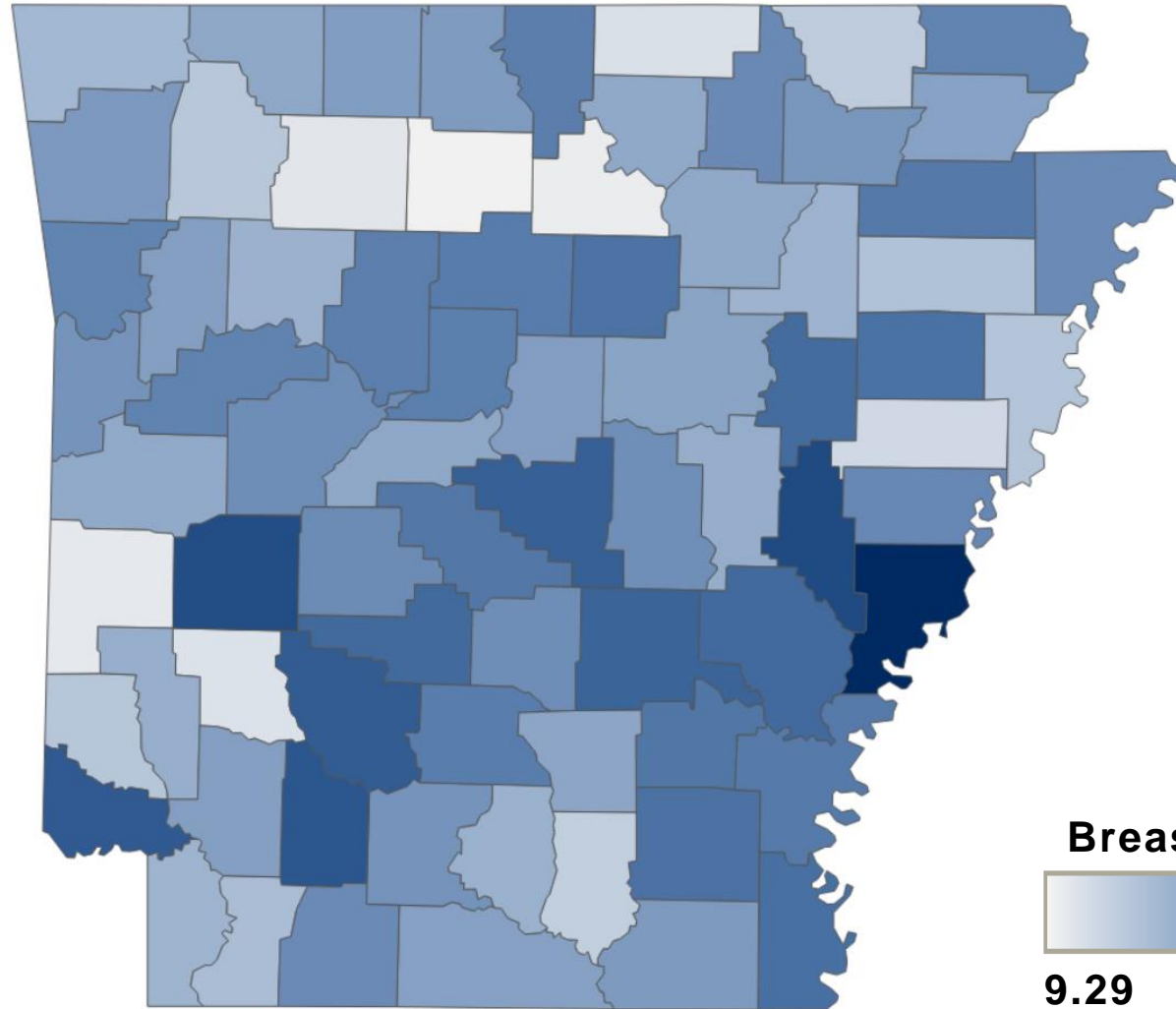
Agenda

- Introductions (5 minutes)
- Existing projects and data use (10 minutes)
- Arkansas APCD tips (10 minutes)
- Questions from the floor (30 minutes)
- What's next for the Arkansas APCD (5 minutes)

Arkansas APCD Team

- Kenley Money, Director of Information Systems Architecture, ACHI
- Don Poe, APCD Technical Director, ACHI
- Kathy Hart, APCD Project Manager, ACHI
- Gini Ingram, APCD Sr. Technical Business Analyst, ACHI
- Trang Giang, APCD Data Request Manager/Technical Business Analyst, ACHI

Prevalence of Breast Cancer in Arkansas



This map graphically depicts county-level variability in the percentage of women ages 45-64* who received treatment for breast cancer across Arkansas.

Breast Cancer Rate

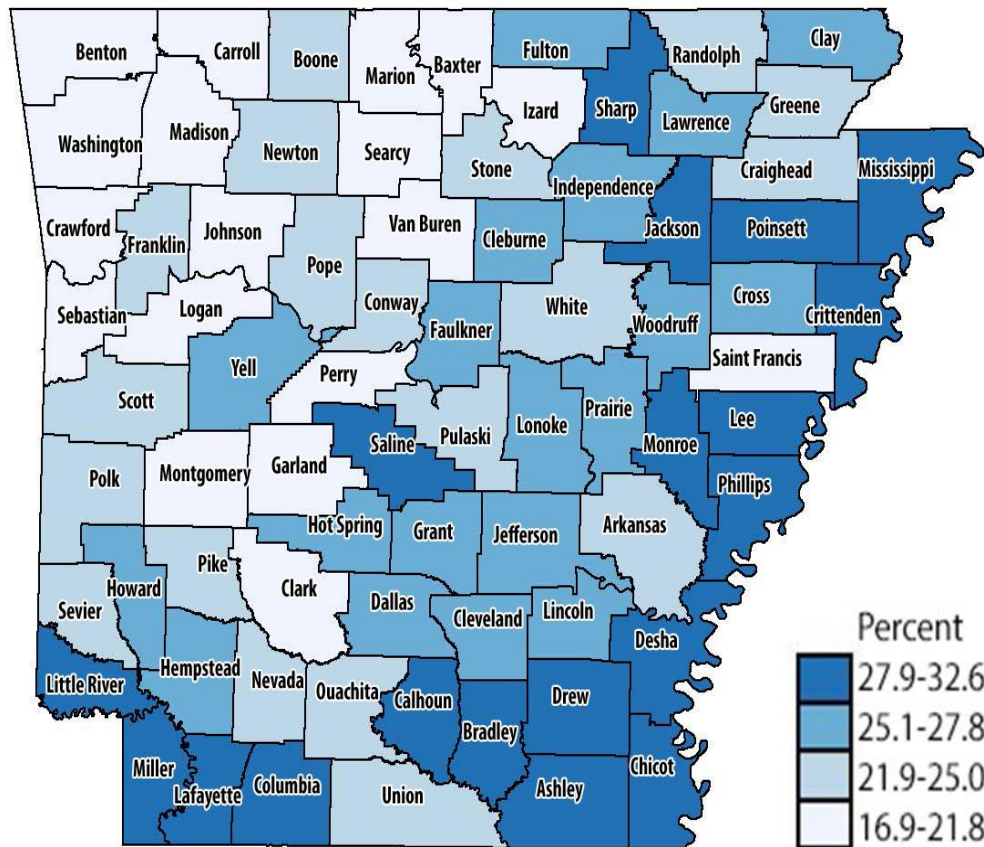


9.29

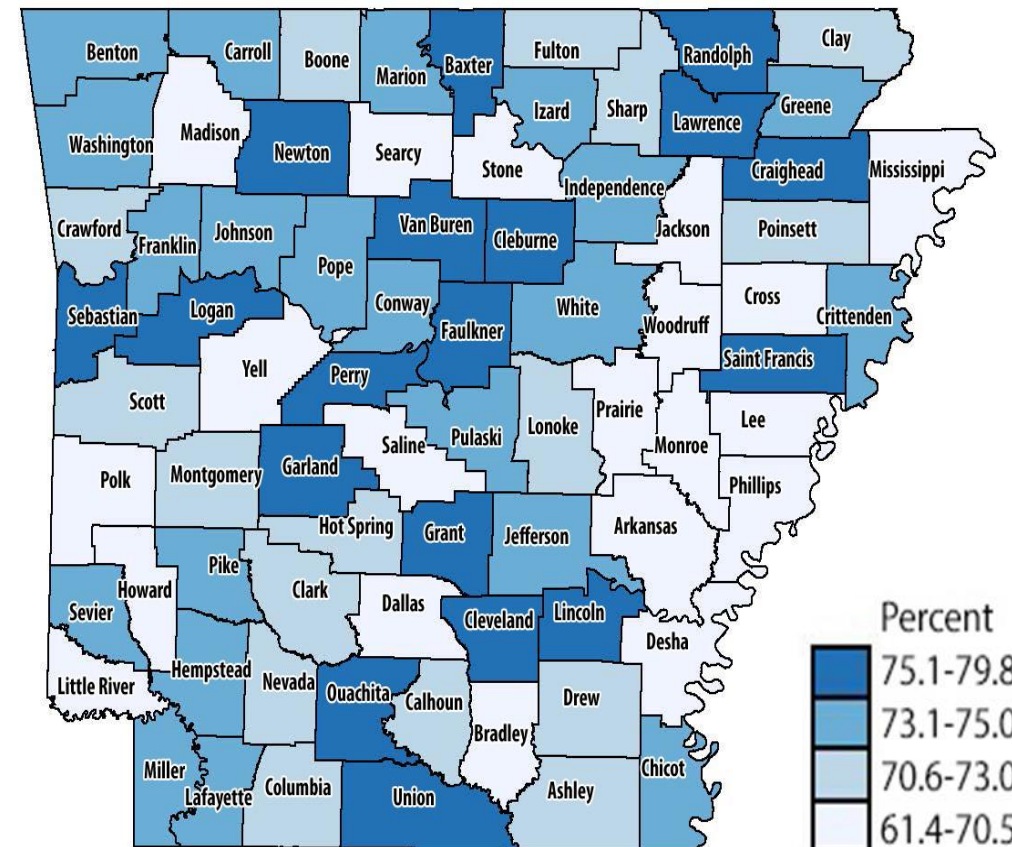
27.52

Medicare Type II Diabetes & HbA1c Testing Rates

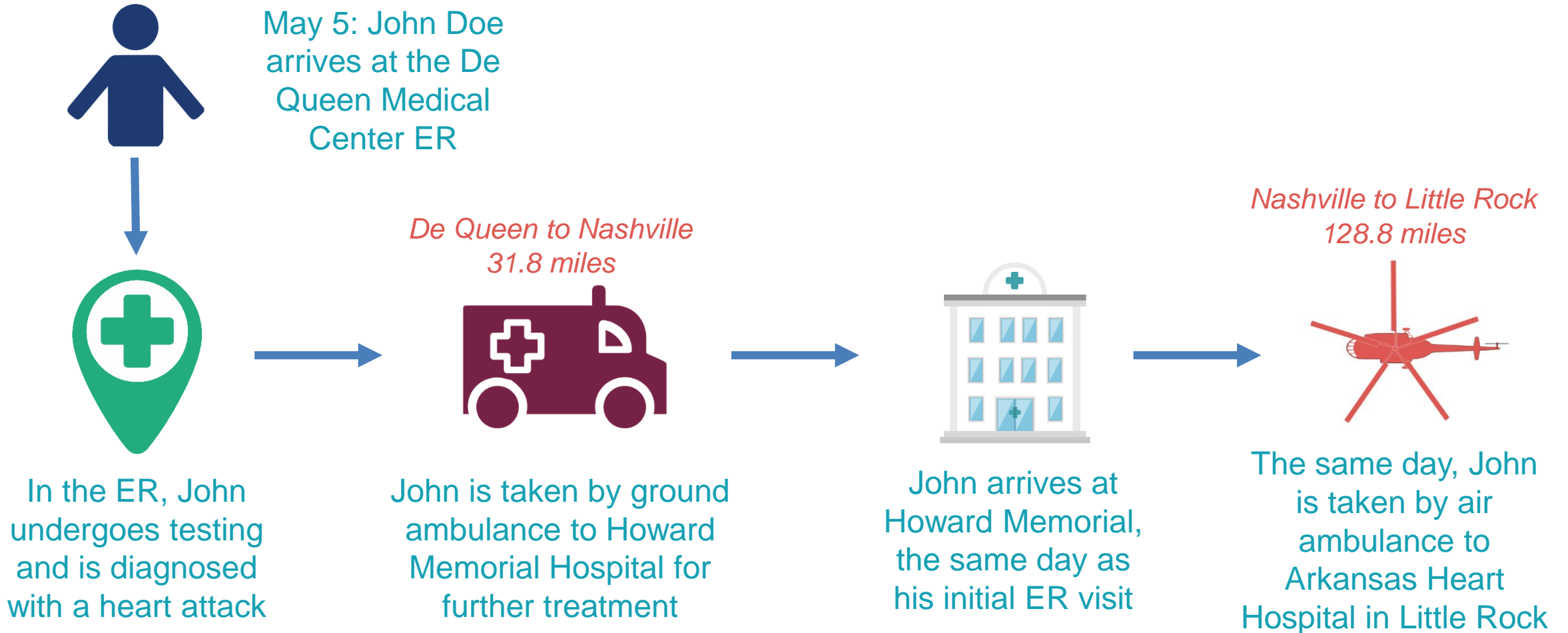
Diabetes



HbA1c Testing rates



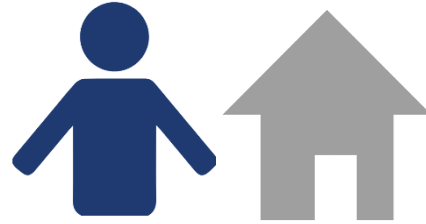
One Rural Patient's Journey



A RURAL PATIENT'S JOURNEY



John is admitted to the Heart Hospital that day; receives testing and treatment for his heart attack



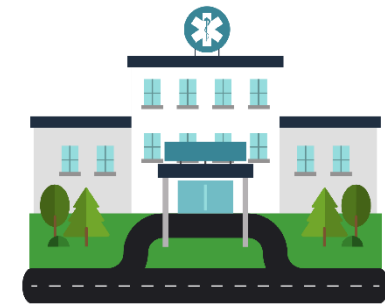
May 9: John is discharged from the Heart Hospital and goes home



*Little Rock to De Queen
137.7 miles*



May 15: John has a follow-up visit with his PCP in De Queen

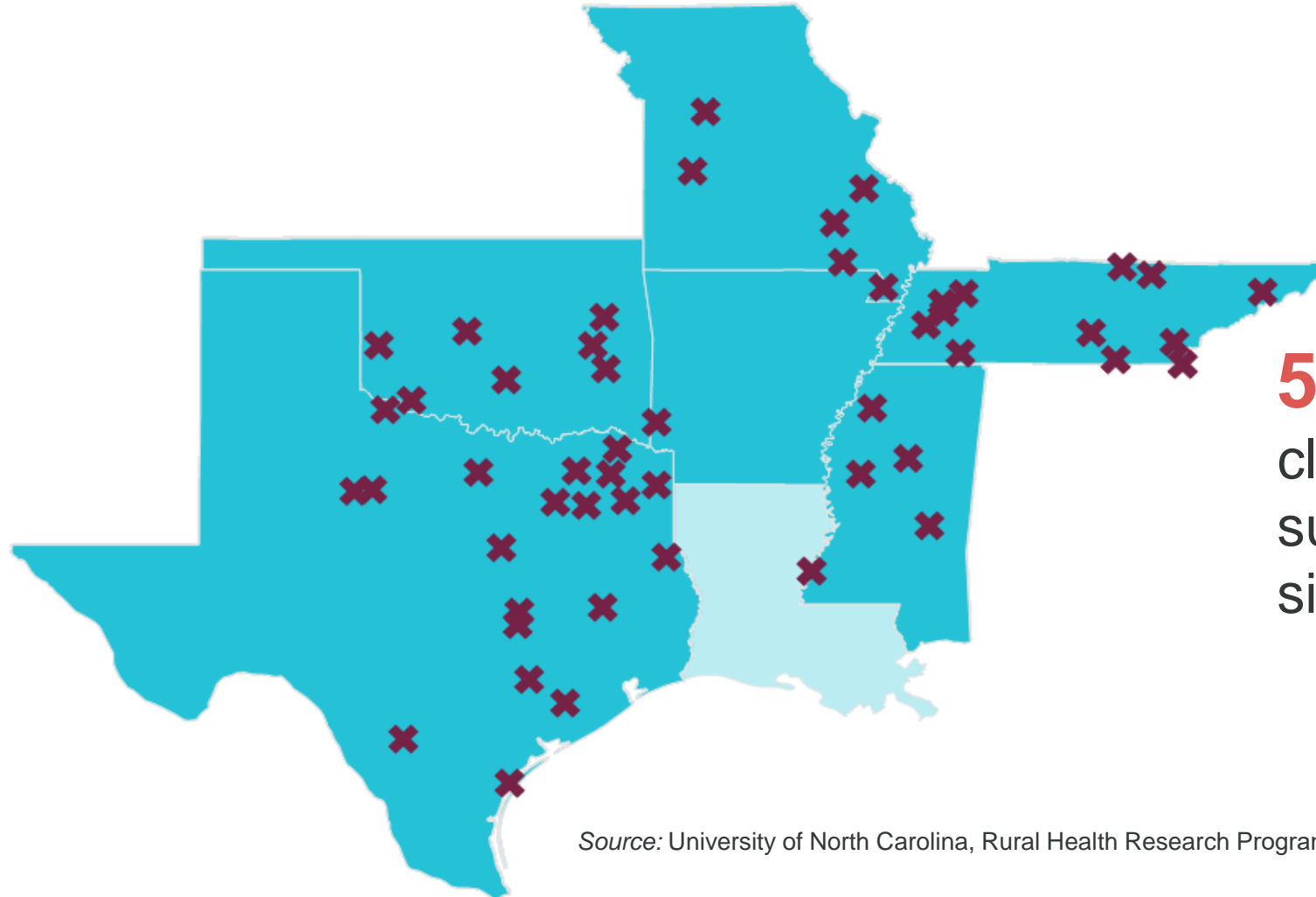


May 24: John returns to Little Rock for a follow-up outpatient visit



*De Queen to Little Rock
137.7 miles*

Rural Hospital Closures Since July 2012

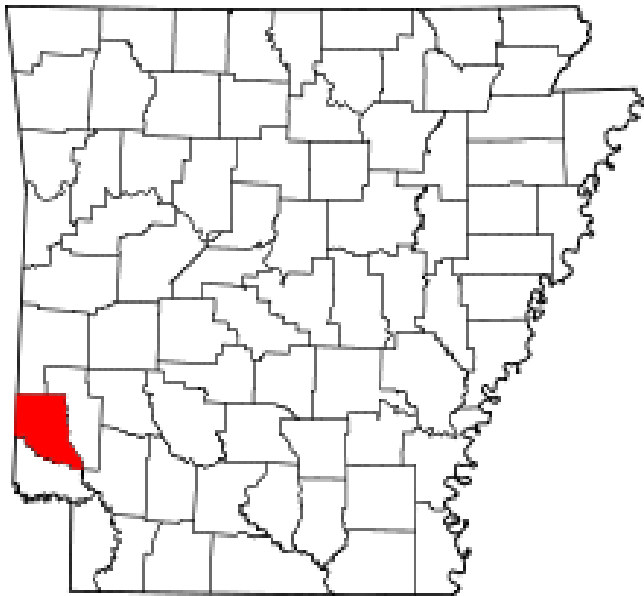


51 rural hospital closures in surrounding states since July 2012

Source: University of North Carolina, Rural Health Research Program. "Rural Hospital Closures Map."

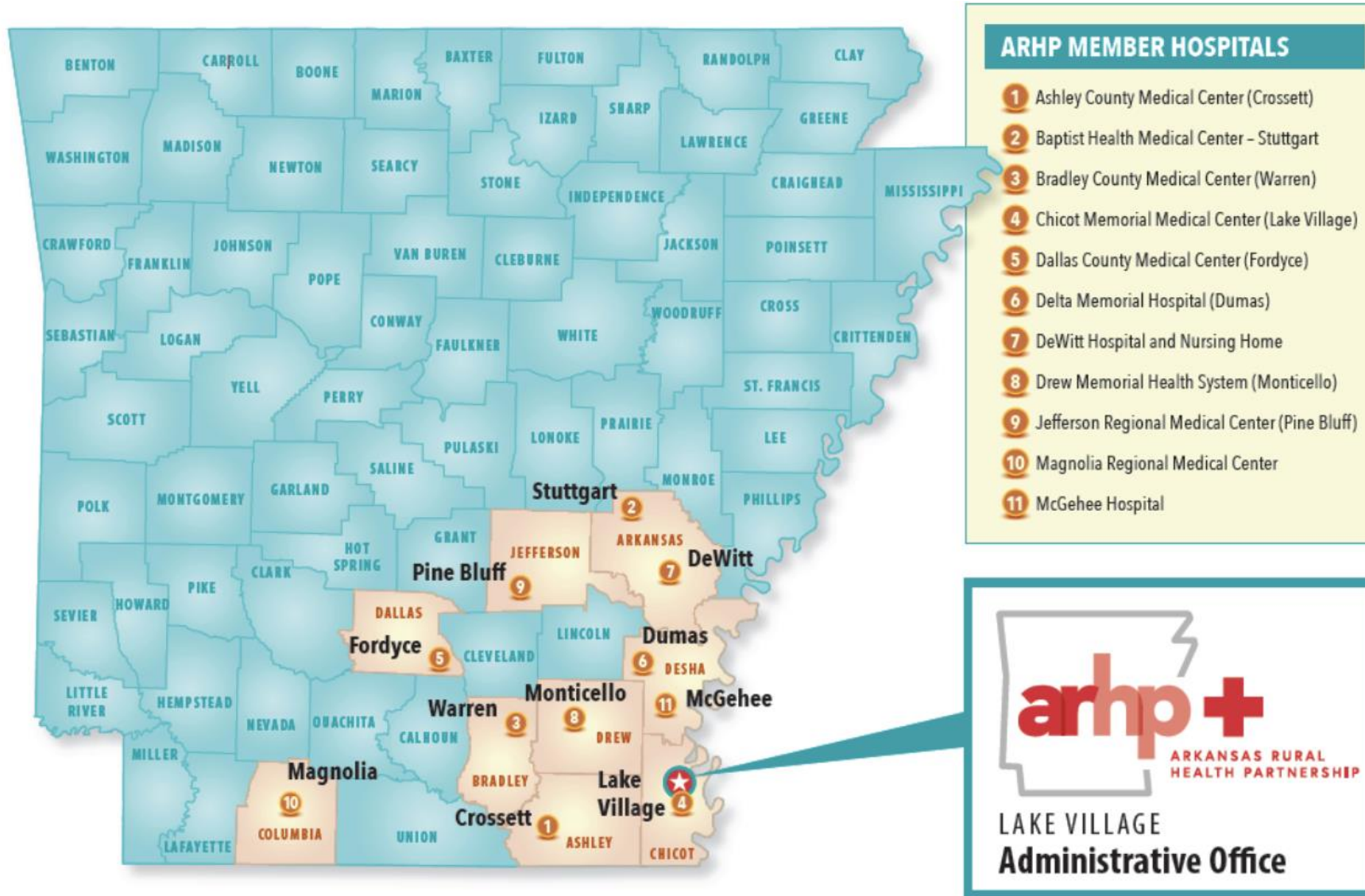
2017 Spending Profile for Sevier County

Expenses for approximately 17,000 individuals with Medicaid, Medicare or commercial coverage



Total for 2017	
Spending outside of Sevier County	\$58,542,394
Spending within Sevier County	\$15,026,353
Medical	
Spending outside of Sevier County	\$52,691,341
Spending within Sevier County	\$11,108,081
Pharmacy	
Spending outside of Sevier County	\$5,851,053
Spending within Sevier County	\$3,918,272

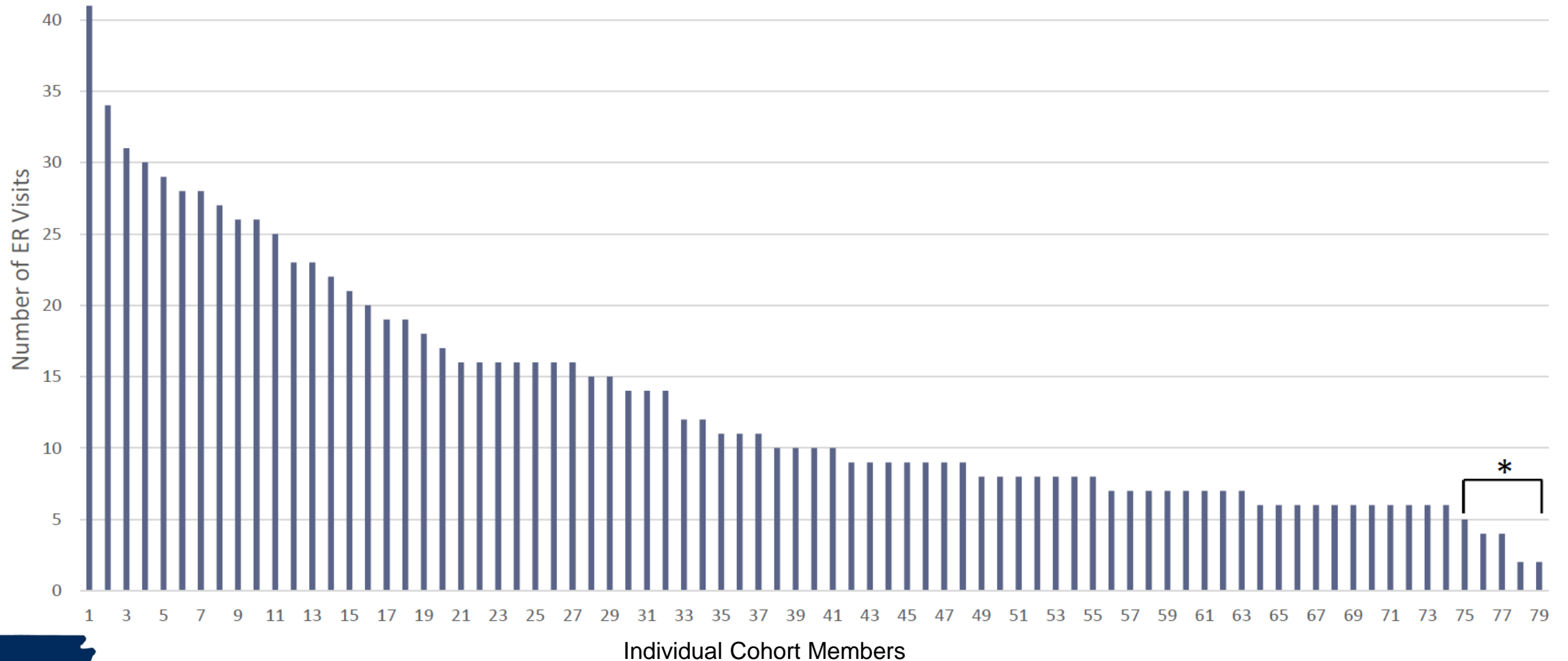
Target Rural Service Areas



AR Delta Rural Communities Opioid Response

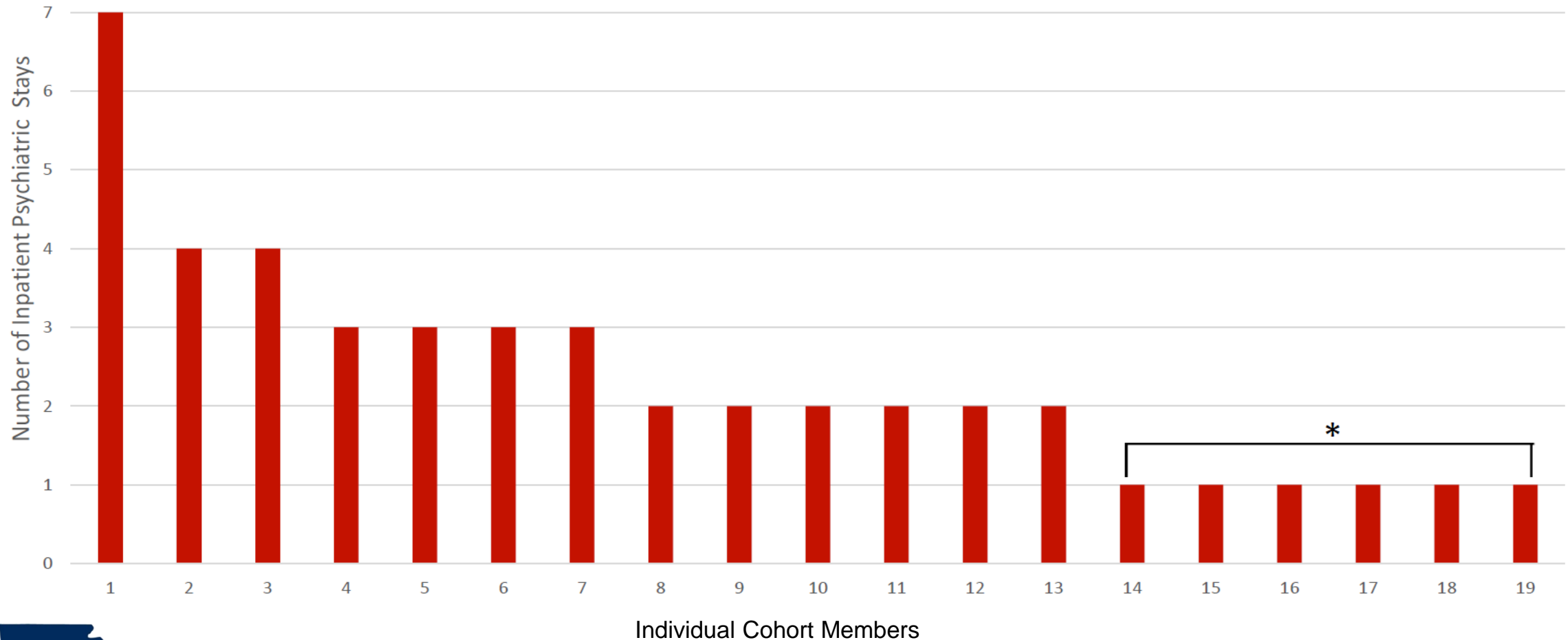
Area	Existing Resources	ACHI Analytic Capabilities and Potential Outcomes of Interest
Providers	<ul style="list-style-type: none"> Community Health Needs Assessments (CHNAs) of 11 hospitals Prescription Drug Monitoring Program (PDMP) <ul style="list-style-type: none"> PDMP Drug Enforcement Agency report Types of treatment providers <ul style="list-style-type: none"> Inpatient Medicated-assisted treatment (MAT) providers Methadone clinics Behavioral therapy Rehabilitation Provider and community education efforts Available funding and coordination 	<ul style="list-style-type: none"> Provider awareness survey / Provider variation analyses <ul style="list-style-type: none"> Number of prescriptions Number of pills per prescription Hospital and emergency room (ER) visits secondary to drug use MAT provider activity Assessment and treatment sites <ul style="list-style-type: none"> Faith-based MAT (drug therapy and counseling) Inpatient Border <u>states</u>' resources (evidence of AR patient utilization?) <ul style="list-style-type: none"> Mississippi, Louisiana
Prescriptions	<ul style="list-style-type: none"> Arkansas has second highest opioid prescriptions (105.4 per 100 individuals in 2017, CDC) Opioid dispensed by prescription <u>Narcan</u> availability <ul style="list-style-type: none"> 1st responders Schools Individuals 	<ul style="list-style-type: none"> All-Payer Claims Database (APCD) and PDMP overlap Prescription rates by payer for the 9 counties <u>Narcan</u> prescriptions Patients' first exposure to opioids – associated diagnoses (i.e., ankle sprains)
Diagnoses		<ul style="list-style-type: none"> Neonatal abstinence syndrome Maternal diagnosis of drug use
Overdose Deaths	<ul style="list-style-type: none"> Opioid overdose deaths Coroner profiles 	<ul style="list-style-type: none"> Likely opioid overdose deaths of individuals under age 60 – review of Death Certificate data (cause of death) Total SUD overdose deaths
Laws and Policies	<ul style="list-style-type: none"> X waiver categories and process for physicians, nurse practitioners (NP), and physician assistants (PA) 	
Governmental Agency	<ul style="list-style-type: none"> Arkansas Department of Human Services (DHS) divisions: Division of Youth Services, Aging and Adult Services, Forensics/Arkansas State Hospital, Division of Medical Services, and Division of Children & Family Service Foster care placement secondary to drug use 	
Law Enforcement & Regulatory Boards	<ul style="list-style-type: none"> Drug court Crime statistics for meth, heroine, and marijuana: <ul style="list-style-type: none"> Driving under the influence (DUI) Arrests Convictions Board of Medicine Actions related to MD vs. NP or PA provision of MAT (Arkansas Medical Board) 	<ul style="list-style-type: none"> State Police crash data

Emergency Room Visits for Pulaski County Jail Detainee Cohort, 8/1/16–8/1/17



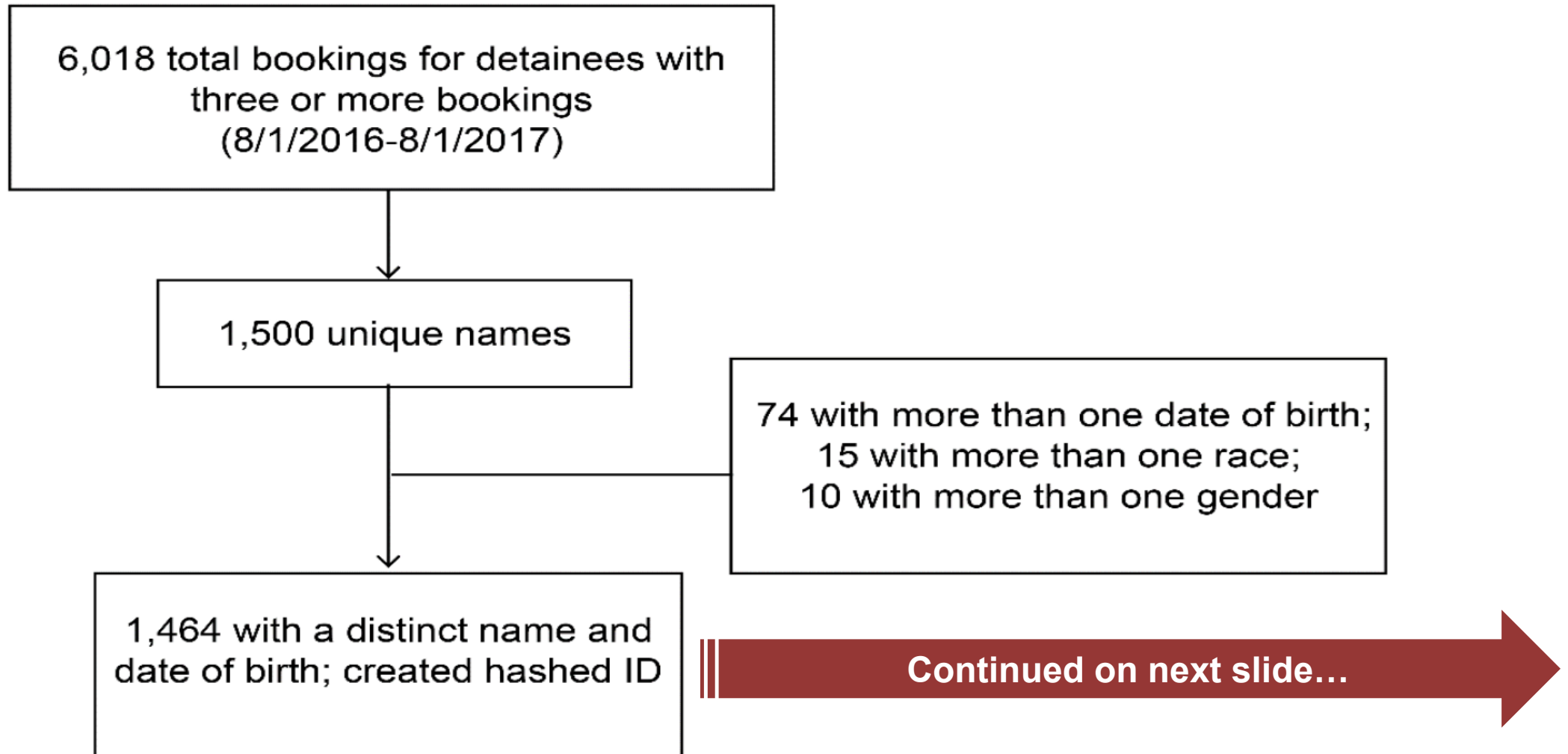
*Individuals met inclusion criteria with additional emergency room visits.

Inpatient Psychiatric Stays for Pulaski County Jail Detainee Cohort, 8/1/16–8/1/17

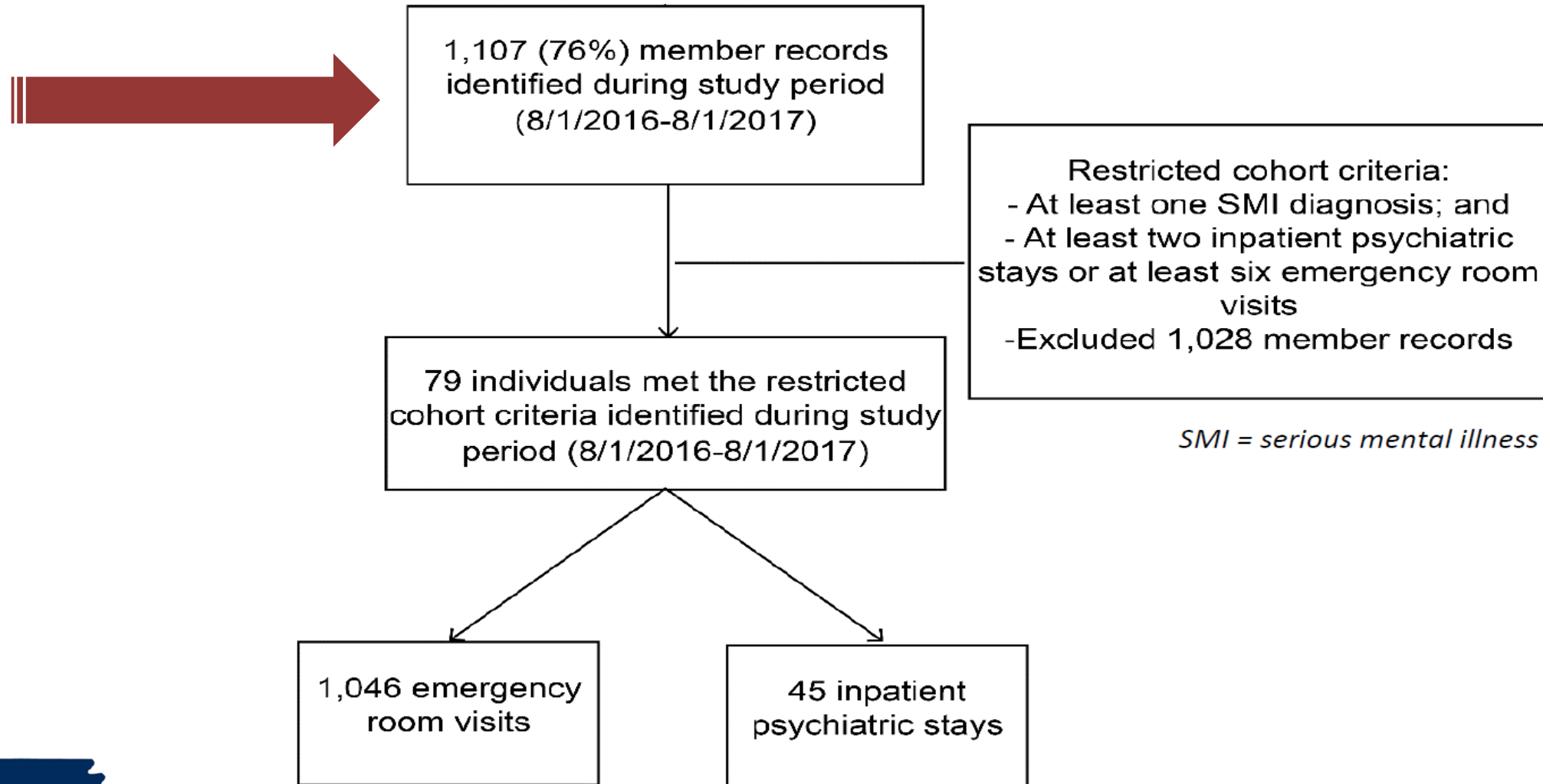


*Individuals met inclusion criteria with additional inpatient psychiatric stays.

Pulaski County Jail Detainees Found in APCD



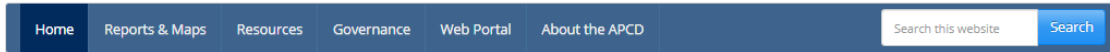
Pulaski County Jail Detainees Found in APCD



Other Data Use Examples

We want to hear from you.

Tips and Tools



Welcome to the Arkansas All-Payer Claims Database (APCD)

There is a growing demand and need for transparency of healthcare information in Arkansas to promote high-value care and advance research. Consumers, employers, and policymakers are advocating for greater reporting on the prices of healthcare services as a way to encourage consumers to choose low-cost, high-quality providers and to promote competition based on value. The [Arkansas All-Payer Claims Database \(APCD\)](#) is a dynamic tool that will enable the state to further its transparency objectives by collecting healthcare data from public and private sources and empowering Arkansans with information to better understand how and where healthcare is being delivered and how much is being spent. Please see the "How to Use the APCD Website" box below to learn how to navigate the Arkansas APCD website.

What's New?

Arkansas APCD Announcements

New Arkansas APCD Data Available

Visit <https://achi.net/newsroom/arkansas-healthcare-transparency-initiatives-expands/> for the latest information about new data available on the Arkansas APCD.

Data Requester Tools Available (NEW! 7/2/2019)

The Arkansas APCD team has updated the [APCD Data Request Pricing Tools](#) for 2019. Additionally, a new tool has been added - the [Data Element Frequency Counts](#) that provide row counts for APCD data elements by file type.

Delay to accept data in DSG 7.0.2019 (UPDATED! 5/1/2019)

All issues have been resolved and the Arkansas APCD DSG 7.0.2019 data intake process is open and available to all submitters.

Tip Sheet for APCD Data Requesters (NEW! 4/16/2019)

The Tip Sheet contains information about data quality or data nuances that affect data in the Arkansas APCD. This information is provided at the Submitting Entity (SE) level where applicable, otherwise, the issue described affects all SEs. Data requesters should review and consider each of these as they move forward with their stated use of the data. Where possible, issues will be addressed in future Arkansas APCD releases. Issues categorized as "Informational" cannot or will not be addressed. Resolution is being addressed for issues categorized as "Active." Resolved issues are categorized as "Resolved."

[Data Tip Sheet 4/16/19](#)

If you have any questions while reviewing the document, please contact Data Requester Technical Support at adrs@achiapcd.atlassian.net.

Healthcare Transparency Resources

Data Requester Resources

The Arkansas APCD team is proud to announce that the Data Release Request Process is now live. Please use the links below to access the Data Request Application forms and to see a list of approved applications.

- [Data Request Process & Documents](#)
- [Data Release Request Status](#)
- [Arkansas APCD Data Request Pricing](#)
- [Arkansas APCD Data Use Resources](#)

Read our latest blog post for updates on data availability and other news. (NEW 7/22/19)

- [Arkansas APCD blog](#)

Data Requester Tip Sheet

Updated: September

Submitting Entity Resources

DSG

[Data Submission Guide \(DSG\) Resources](#)

- [Exemption Request Form](#)
- [Onboarding Instruction](#)
- [Frequently Asked Questions-Data Submission Guide \(DSG\) and Onboarding](#)
- [Training Documents](#)
- [Scheduled Webinars](#)
- [APCD Newsletters](#)

Data Requester Resources

The Arkansas APCD team is proud to announce that the Data Release Request Process is now live. Please use the links below to access the Data Request Application forms and to see a list of approved applications.

- [Data Request Process & Documents](#)
- [Data Release Request Status](#)
- [Arkansas APCD Data Request Pricing](#)
- [Arkansas APCD Data Use Resources](#)

Read our latest blog post for updates on data availability and other news. (NEW 7/22/19)

- [Arkansas APCD blog](#)

Data Requester Tip Sheet

Updated: September 10, 2019

<https://www.arkansasapcd.net/Home/>



Tips and Tools



Arkansas All-Payer Claims Database



Home Reports & Maps Resources Governance Web Portal About the APCD Search this website Search

[Home](#) / [Resources](#) / Data Tips for Data Requesters

Data Tips for Data Requesters

The following table contains information about data quality or data nuances that affect data in the Arkansas APCD. This information is provided at the Submitting Entity (SE) level where applicable, otherwise, the issue described affects all SEs. Data requestors should review and consider each of these as they move forward with their stated use of the data. Where possible, issues will be addressed in future Arkansas APCD releases. Issues categorized as "Informational" cannot or will not be addressed. Resolution is being addressed for issues categorized as "Active." Resolved issues are categorized as "Resolved."

Submitting Entity (SE)	Subject	Update Date	Resolution	Description
All	Alias Fields	2019-03-01	Informational	When system changes occur that result in changing member and/or subscriber IDs, the old IDs should be moved to the Alias fields at the end of each member or claim records. The new IDs should populate the original fields. The System ID field should be incremented by 1 to represent ID changes. Data user should use the System ID field as a trigger to determine if a member ID changed.
All	APCD Unique ID	2019-03-01	Informational	APCD Unique ID (ME998), otherwise called the APCD Hash ID, can be used to align individuals across carriers. Refer to this document for more methodologies and instructions.

<https://www.arkansasapcd.net/Resources/DataTipsForDataRequesters/>



Tips and Tools

2019 Data Attribute Supplement for Data Requesters

Version 1.0.2019



June 2019

ADMINISTERED BY  **ACHI**

<https://www.arkansasapcd.net/Docs/282/>



Types of Connections

Beginning on slide 11:

- Enrollees/individuals are connected using three types of linkages across data file types:
 - **Enrollee identification within a carrier or payer**
 - Assesses enrollee experience within carrier or payer-specific plans
 - Tracks enrollee experience within a carrier or payer over time

Types of Connections, Continued

- **Enrollee identification across carriers or payers**
 - Tracks enrollee experience across different carriers or payers over time
 - Appends concurrent coverage for an enrollee
 - Denominates a population for analytics and research
 - Links plan/enrollment data across plans that use TPAs or PBMs to administer claims data (these systems may not use the same IDs for the same enrollees)
 - Supplements enrollee linkage within carriers or payers when enrollee IDs are modified by marital status changes, plan changes, etc.

Types of Connections, Continued

- **Individual identification between claims-based and non-claims-based data**
 - Associates health statistics outcome information with claims information (e.g., individuals on Arkansas Cancer Registry data with enrollees from claims-based data)
 - Associates uninsured inpatient and emergency department data with claims-based data to assess utilization and/or outcomes

Enrollee Identification Within a Carrier/Payer

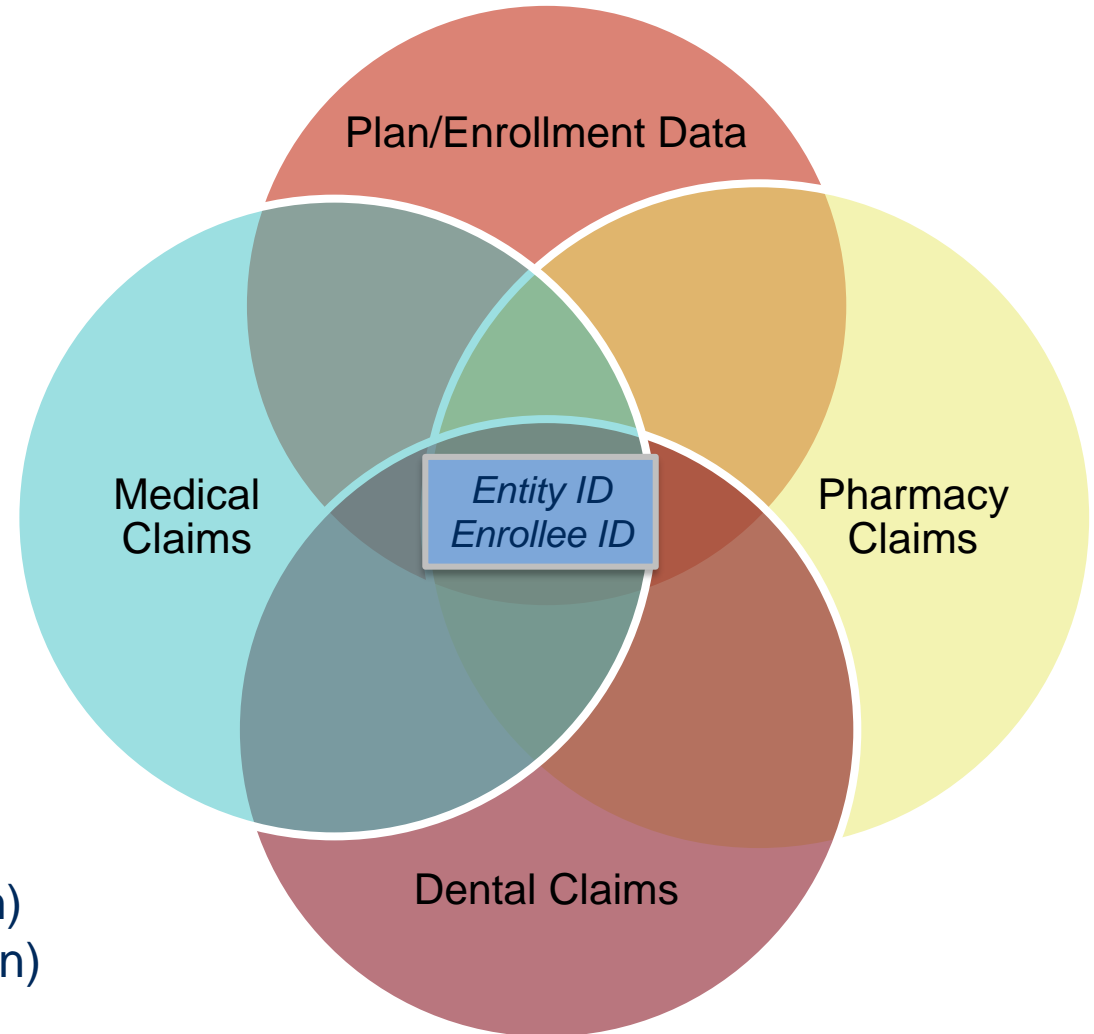
When connecting enrollees to claims data within carriers or payers, use **Entity ID*** and **Enrollee ID** to link an enrollee's plan/enrollment data to their claims information.

Important: Because duplicate Enrollee IDs can occur across different carriers or payers (e.g., John Smith on Carrier A has enrollee ID = 123, and Mary Green on Carrier B has enrollee ID = 123), it is important to include the Entity ID representing the carrier when identifying unique enrollees.

For example:

Entity ID + Enrollee ID = Carrier A 123 (John Smith)

Entity ID + Enrollee ID = Carrier B 123 (Mary Green)



Enrollee Identification Across Carriers/Payers

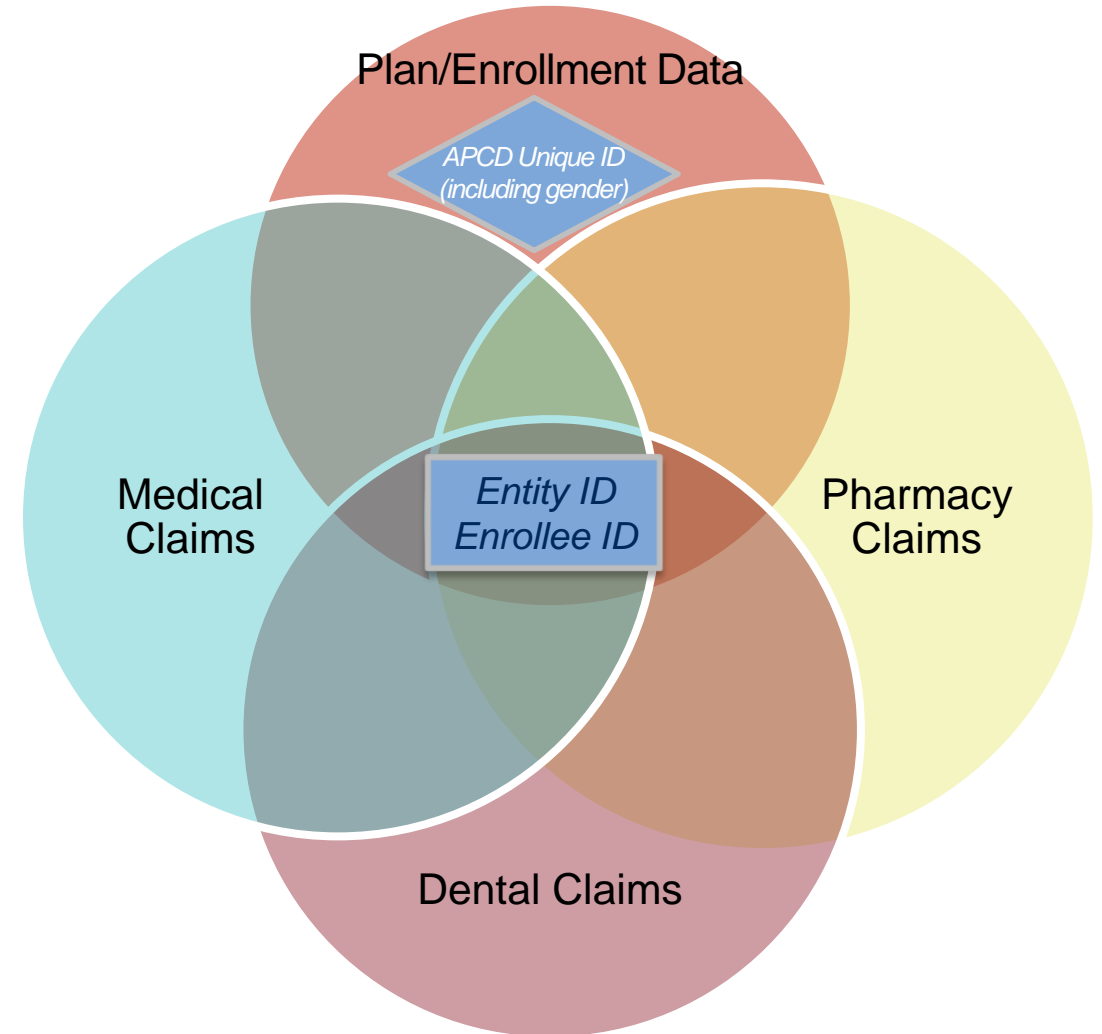
Use APCD Unique ID to link enrollees across carriers or payers. The Arkansas APCD does not contain personal identifiers, however the APCD Unique ID can be used as a proxy.

The APCD Unique ID is a hashed version of the last name and date of birth for each enrollee. Each plan/enrollment record contains the enrollee's APCD Unique ID.

Used with gender, the APCD Unique ID can identify unique enrollees across carriers or payers with high accuracy.

To link enrollees across carriers or payers:

1. Find enrollees with the same APCD Unique IDs and gender codes within the plan/enrollment data file level (**use other data as needed to strengthen the linkage**).
2. Once a linkage has been established with the APCD Unique ID, use Entity ID and Enrollee ID to find associated data on other data file types. See the [Linkages Across Source Type](#) slide for an example.



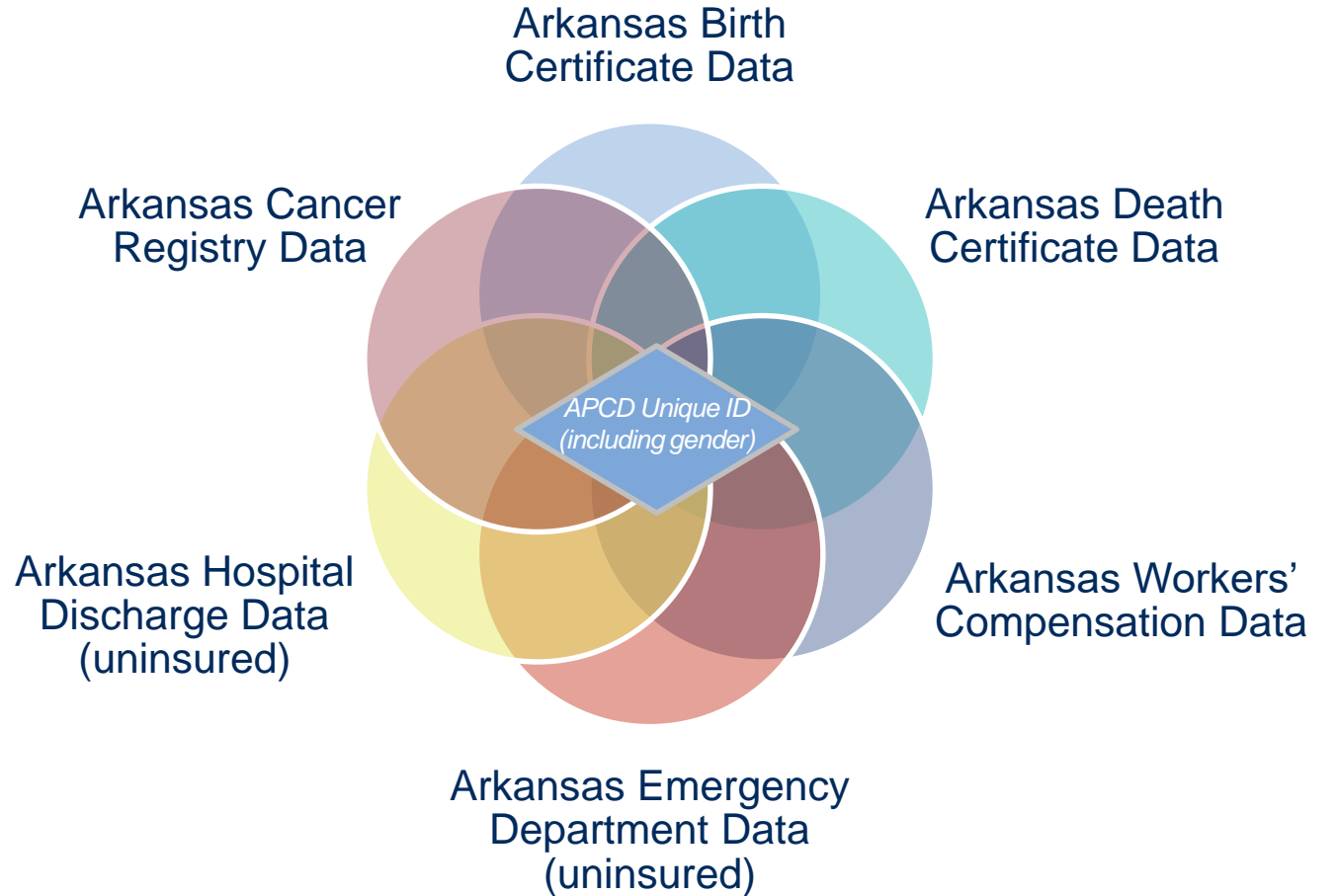
Individual Identification Across Non-Claims-Based Data Types

When available:

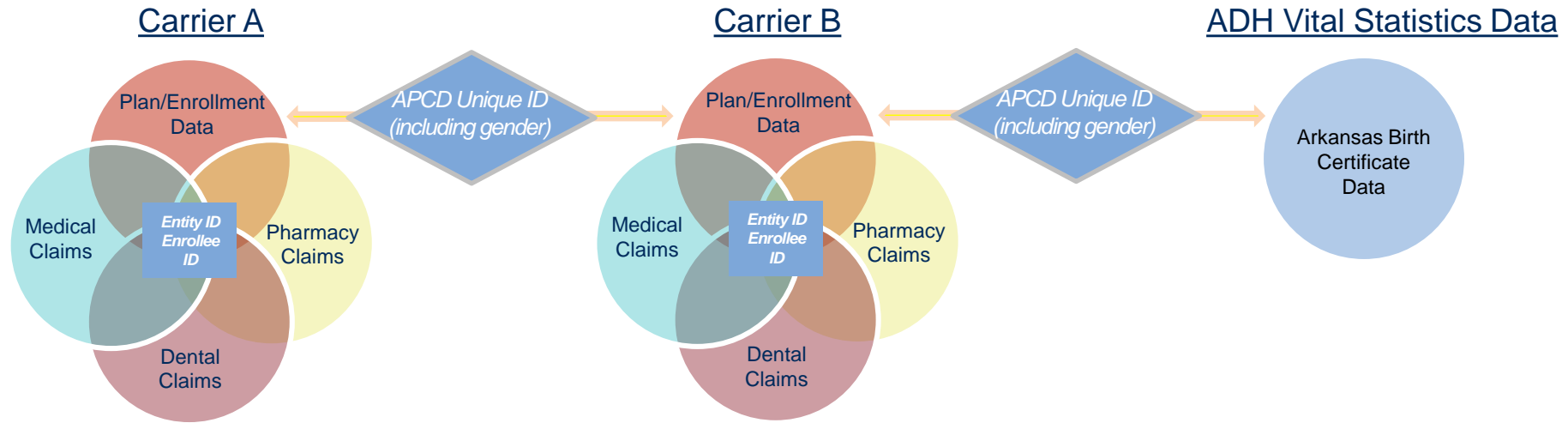
The APCD Unique ID can identify unique individuals across non-claims-based data types with high accuracy.

To link individuals across non-claims-based data types:

1. Find individuals with the same APCD Unique IDs and gender codes within each non-claims-based data type.
2. Once a linkage has been established with the APCD Unique ID, use source-specific individual identifiers to find associated data on other data file types. See the [Linkages Across Source Type](#) slide for an example.



Linkages Across Source Type



Data linkages example:

1. Identify the enrollees and individuals within the Carrier A data, Carrier B data, and Arkansas Birth Certificate data using the APCD Unique ID and gender.
2. Select Carrier A plan/enrollment data using the selected APCD Unique IDs.
3. Select Carrier A claims-based data using the Entity IDs and Enrollee IDs associated with the selected APCD Unique IDs.
4. Select Carrier B plan/enrollment data using the selected APCD Unique IDs.
5. Select Carrier B claims-based data using the Entity IDs and Enrollee IDs associated with the selected APCD Unique IDs.
6. Select Arkansas Birth Certificate data using the selected APCD Unique IDs.
7. Create analytic dataset with selected data from steps 1 through 6.

Questions from the Floor

We want to hear from you.

What's Next for the APCD?

- Updated data – December 2019
 - New Data Coverage: January 1, 2013 through June 30, 2019
- Member versioning
 - New field, VersionRank, identifying most current record per member per carrier's plan/enrollment. To be used when calculating member months and enrollment spans.

APCD Technical Support

- Reach out to adrs@achiapcd.atlassian.net for questions about data requests, data use, or pricing.