Georgia All-Payer Claims Database

Advisory Committee Meeting

November 30, 2023
11:00 am to 12:00 pm

Welcome

E-mail Questions/Comments: APCD@OPB.Georgia.gov

Meeting Agenda

Topic	Presenter	Time
Opening Remarks	Elizabeth Holcomb, OHSC	11:00 – 11:05
Project Update	Colin Stauffer, OHSC	11:05 – 11:10
Submitter Onboarding	Colin Stauffer, OHSC	11:10 – 11:15
Analytics	Dr. Jon Duke, GTRI-CHAI	11:18 – 11:25
Stakeholder Engagement	Dr. Jon Duke, GTRI-CHAI	11:25 – 11:28
Data Requests	Dr. Jon Duke, GTRI-CHAI	11:28 – 11:50
Project Budget Update	Colin Stauffer, OHSC	11:50 – 11:55
Upcoming Activities and Next Steps	Elizabeth Holcomb, OHSC	11:55 – 12:00
Meeting Adjournment	Elizabeth Holcomb, OHSC	12:00

Committee Members

Members / Credentials / Roles	Constituency / Appointment
Elizabeth Holcomb: APCD Advisory Committee Chair Director, Office of Health Strategy and Coordination	Office of Health Strategy and Coordination - in Statute
Senator Ben Watson, M.D.: District 1 Georgia State Senate, Chair of Senate Appropriations Health & Human Development Subcommittee	Senate Appropriations Health and Human Development Subcommittee - in Statute
Representative Darlene Taylor: District 173 Georgia House of Representatives, Chair of House Appropriations Health Subcommittee	House Appropriations Health Subcommittee - in Statute
Chad Purcell: Chief Technology Officer, Georgia Dept. of Community Health	Department of Community Health - in Statute (Designee)
Crysty Odom: (Retired) St. Mary's Foundation Director, St. Mary's Health Care System	Representative of Health Care Philanthropy - by Governor
Gregg Conley, JD: Executive Counsel, Office of Insurance and Safety Fire Commissioner	Office of Insurance and Safety Fire Commissioner – in Statute (Designee)
Gregory Esper, MD: Associate Chief Medical Officer, Emory Healthcare	Representative of Medical Providers - by Lt. Governor
Jon Duke, MD: Director, Center for Health Analytics and Informatics at	Center for Health Analytics and Informatics- in Statute
Kathleen Toomey MD, MPH: Commissioner & State Health Officer	Department of Public Health - in Statute
Matthew Hicks: Representative of the Hospital Industry	Representative of Hospital Industry - by Governor
Rick Dunn: Director, Governor's Office of Planning and Budget	Office of Planning and Budget - in Statute
Vacant	Representative of Insurance Industry

Project Schedule Update
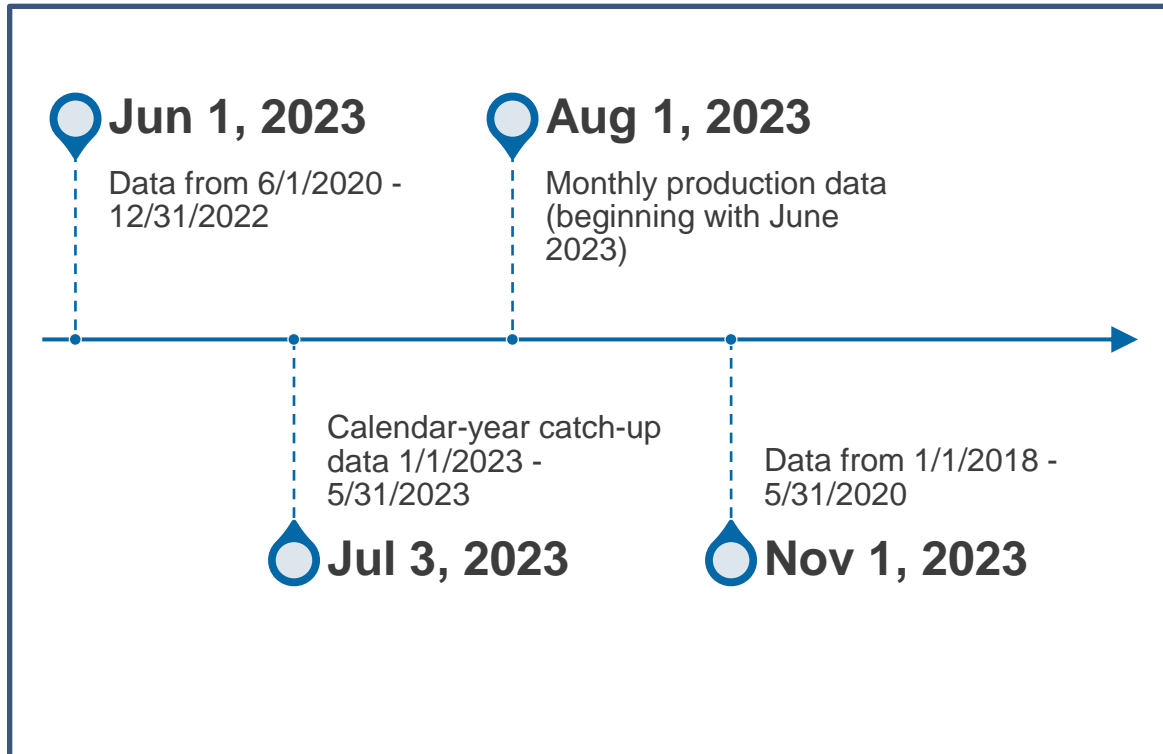
Colin Stauffer, OHSC

Key Milestones

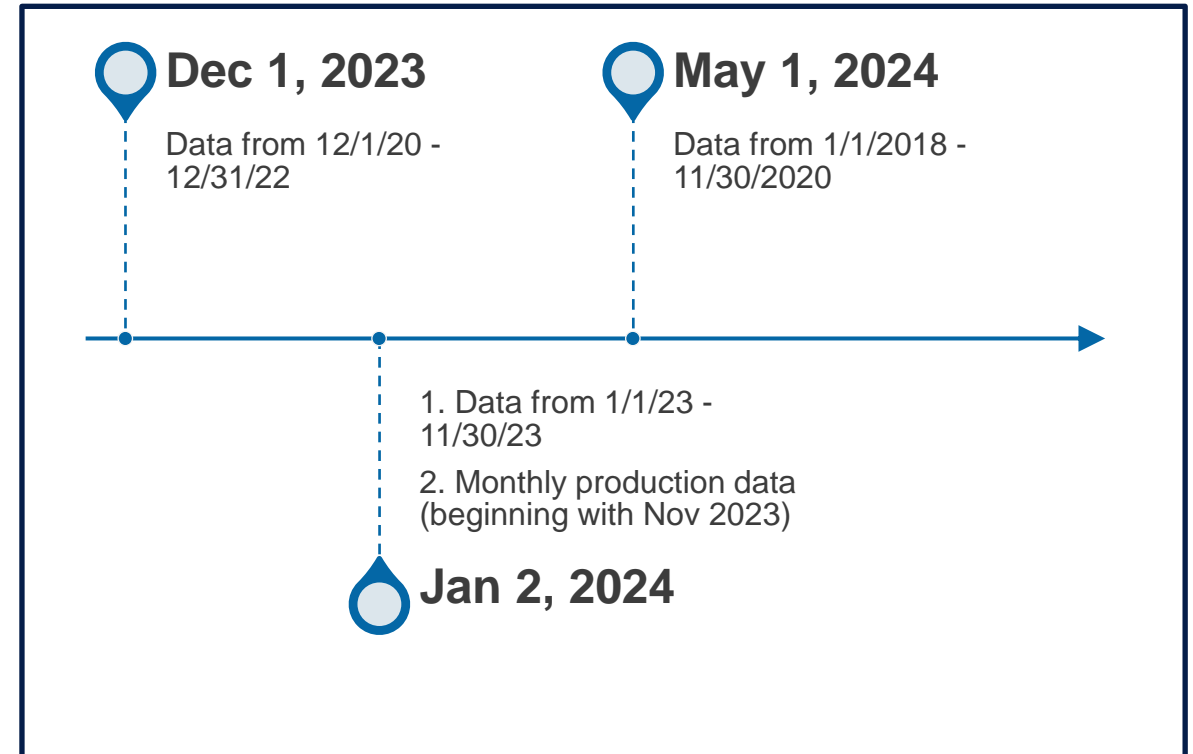| Milestone	Date	Status
Rules and Data Submission Guide Published	February 2023	Complete
Submitter Registration Deadline	March 2023	Complete
APCD Portal in Production	April 2023	Complete
Mandatory Submissions – Health & Pharmacy	June 1, 2023	Delayed
Mandatory Submissions – Dental	December 1, 2023	At Risk
Initial Analytic Use Cases	January 2024	At Risk
Payer Onboarding Completed	December 2024	On Track

Submitter Onboarding

Colin Stauffer, OHSC

Timelines

Medical and Pharmacy

Jun 1, 2023
Data from 6/1/2020 - 12/31/2022

Aug 1, 2023
Monthly production data (beginning with June 2023)

Calendar-year catch-up data 1/1/2023 - 5/31/2023

Jul 3, 2023

Data from 1/1/2018 - 5/31/2020

Nov 1, 2023

Dental

Dec 1, 2023
Data from 12/1/20 - 12/31/22

May 1, 2024
Data from 1/1/2018 - 11/30/2020

1. Data from 1/1/23 - 11/30/23

2. Monthly production data (beginning with Nov 2023)

Jan 2, 2024

Payer Onboarding Progress (submitters)

Category	Total	%
Medical and Pharmacy		
Required to submit medical and/or pharmacy	34	100%
Completed production data submissions	30	88%
Dental Only		
Required to submit dental only	8	100%
Completed production data submissions	1	12%

Analytics

Dr. Jon Duke, CHAI

What data is in the Georgia APCD?

GAPCD — GEORGIA ALL-PAYER CLAIMS DATABASE

Quick Facts

558+ million claims
Including years 2020-2023

8.7+ million patients
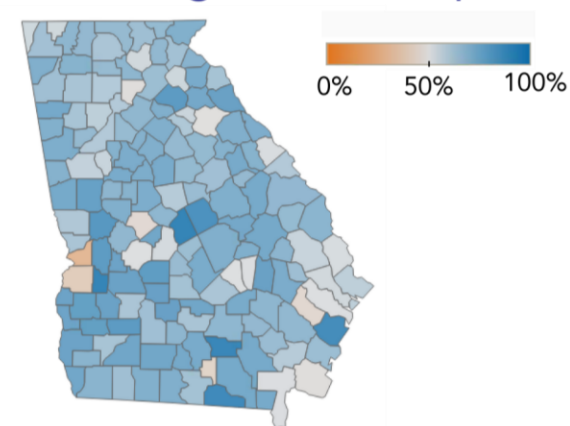*56.8% Female | 43.1% Male | 0.01% Other*
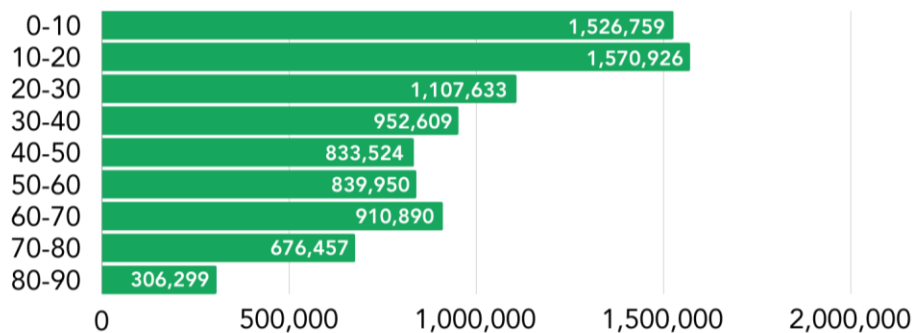
29 payers
93% are private payers

53.6% of lives in GA (medical, 2022)
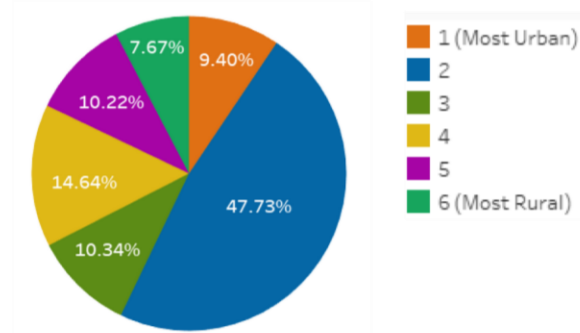*60.2% (pharmacy) | 34.3% (dental)*

Percentage of GA Population*

0%   50%   100%

Patients by Age Group

Age Group	Patients
0-10	1,526,759
10-20	1,570,926
20-30	1,107,633
30-40	952,609
40-50	833,524
50-60	839,950
60-70	910,890
70-80	676,457
80-90	306,299

(x-axis: 0, 500,000, 1,000,000, 1,500,000, 2,000,000)

Rural or Urban?**

- 1 (Most Urban): 9.40%
- 2: 47.73%
- 3: 10.34%
- 4: 14.64%
- 5: 10.22%
- 6 (Most Rural): 7.67%

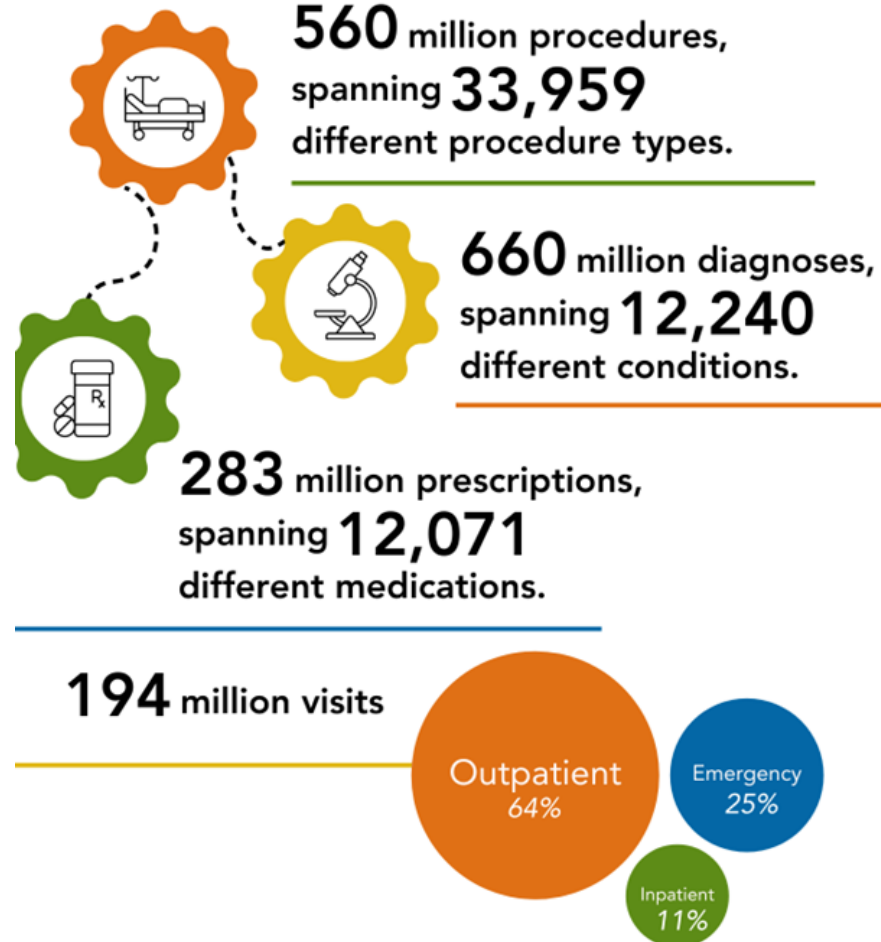Limited data based on GA APCD as of September 2023, from years 2020-2023
* Population based on 2021, U.S. Census
** NCHS 2013 Urban-Rural Classification (https://www.cdc.gov/nchs/data_access/urban_rural.htm)
+ Icons by Chanut is Industries, CC by 3.0 DEED (https://creativecommons.org/licenses/by/3.0/)

Georgia APCD Overall Metrics

Quick Stats

560 million procedures, spanning **33,959** different procedure types.

660 million diagnoses, spanning **12,240** different conditions.

283 million prescriptions, spanning **12,071** different medications.

194 million visits

Outpatient 64%

Emergency 25%

Inpatient 11%

Limited data based on GA APCD as of October 2023, from years 2020-2023
+ Icons by Chanut is Industries, CC by 3.0 DEED (https://creativecommons.org/licenses/by/3.0/)

APCD data includes over **53,000** low-back MRIs done in 2022, with prices varying from **$215** to **$20,171**.

The cost of a hip replacement in Georgia ranges from **$1,844** to **$51,505**.

12

APCD Analytics

- The APCD analytics team has developed an efficient cadence working in collaboration with OnPoint and GDAC

- Upon receipt, data are immediately transformed into a standard data model (OMOP) and evaluated through >3,500 quality checks
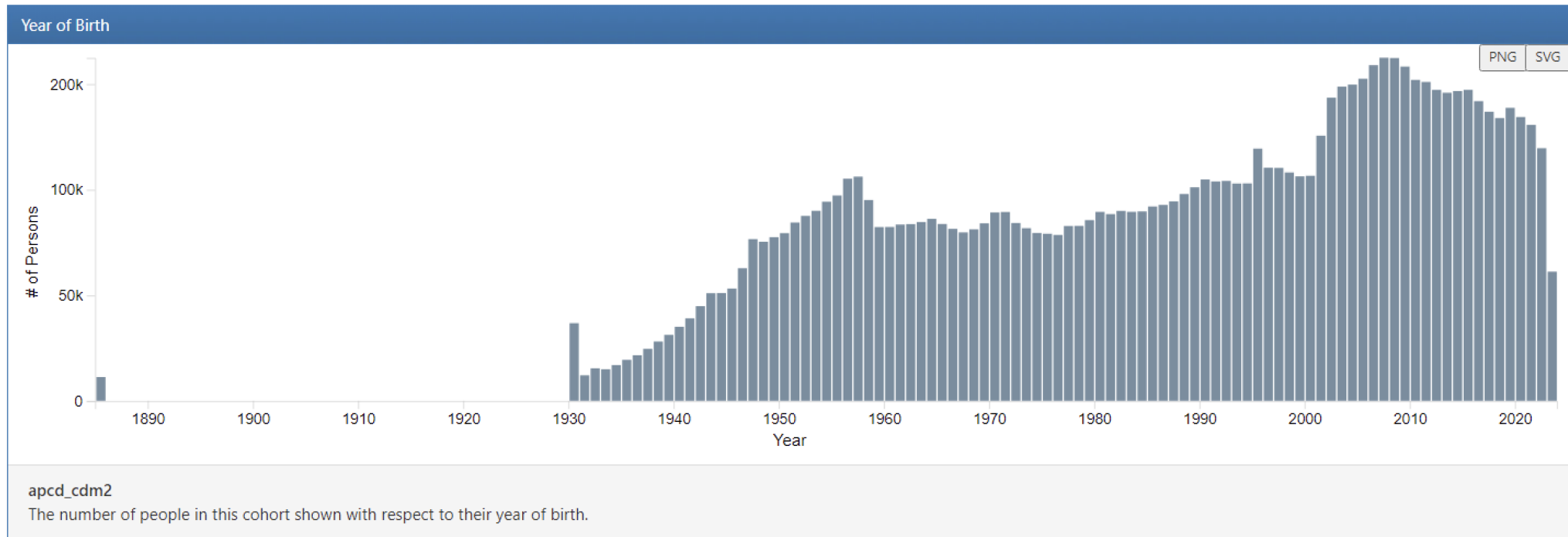
APCD

DataQualityDashboard Version: 2.4.0
Results generated at 2023-11-15 21:11:46 in 2 days

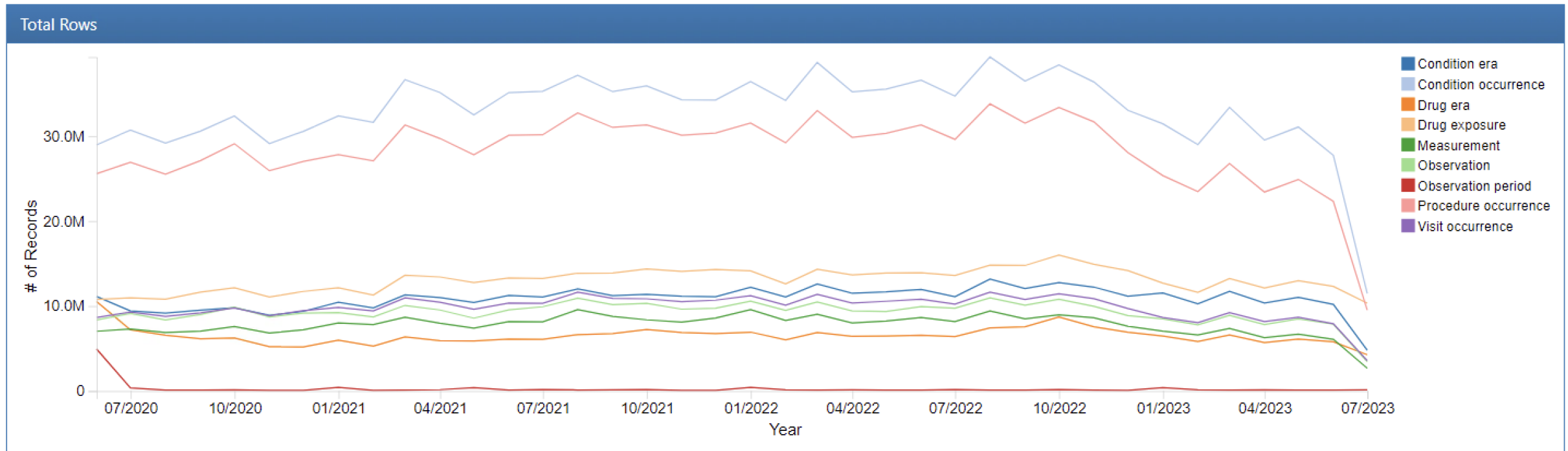|	Verification				Validation				Total			
	Pass	Fail	Total	% Pass	Pass	Fail	Total	% Pass	Pass	Fail	Total	% Pass
Plausibility	2167	4	2171	100%	287	0	287	100%	2454	4	2458	100%
Conformance	692	36	728	95%	106	0	106	100%	798	36	834	96%
Completeness	375	21	396	95%	15	2	17	88%	390	23	413	94%
Total	3234	61	3295	98%	408	2	410	100%	3642	63	3705	**98%**

APCD Analytics

- We also review the patterns in the data as a whole to assess suitability for specific analyses

Year of Birth

apcd_cdm2
The number of people in this cohort shown with respect to their year of birth.

APCD Analytics

- We also review the patterns in the data as a whole to assess suitability for specific analyses

Total Rows

APCD Analytics

Name
Essential hypertension
Cough
Hyperlipidemia
Acute upper respiratory infection
Acute pharyngitis
Fever
COVID-19
Gastroesophageal reflux disease without esophagitis
Mixed hyperlipidemia
Vitamin D deficiency
Obesity
Chest pain
Low back pain
Fatigue

Ingredient	Name
dexamethasone	dexamethasone Injection
methylprednisolone	{21 (methylprednisolone 4 MG Oral Tablet) } Pack
azithromycin	{6 (azithromycin 250 MG Oral Tablet) } Pack
fluticasone	fluticasone propionate 0.05 MG/ACTUAT Metered Dose Nasal Spray
SARS-CoV-2 (COVID-19) vaccine, mRNA spike protein	SARS-CoV-2 (COVID-19) vaccine, mRNA-BNT162b2 0.1 MG/ML Injectable Suspension
clavulanate	amoxicillin 875 MG / clavulanate 125 MG Oral Tablet
ibuprofen	ibuprofen 800 MG Oral Tablet
ondansetron	ondansetron Injection
amoxicillin	amoxicillin 500 MG Oral Capsule
prednisone	prednisone 20 MG Oral Tablet
ketorolac	ketorolac Injectable Solution [Toradol]
ondansetron	ondansetron 4 MG Disintegrating Oral Tablet
hydrocodone	acetaminophen 325 MG / hydrocodone bitartrate 5 MG Oral Tablet
cephalexin	cephalexin 500 MG Oral Capsule
tramadol	tramadol hydrochloride 50 MG Oral Tablet
SARS-CoV-2 (COVID-19) vaccine, mRNA spike protein	SARS-CoV-2 (COVID-19) vaccine, mRNA-1273 0.2 MG/ML Injectable Suspension
sulfamethoxazole	sulfamethoxazole 800 MG / trimethoprim 160 MG Oral Tablet

Analytic Use Cases

As previously discussed, there are **12 initial use cases** targeted for release in 2024

Cost and Utilization
- Total Costs of Care
- Chronic Disease Costs of Care
- Avoidable Costs
- Behavioral Health Costs of Care
- Median Rates for Surprise Billing
- Pharmaceutical Costs

Population Health
- Chronic Disease Trends
- Cancer Trends
- Behavioral Health Trends
- Maternal and Infant Health

Healthcare Quality
- Low-Value Care
- Preventive Screening

Analytic Use Cases

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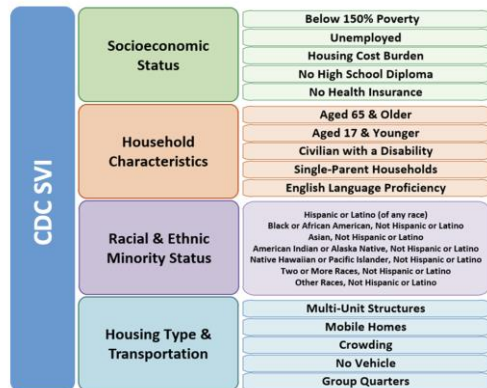- Maternal and Infant Health

Healthcare Quality
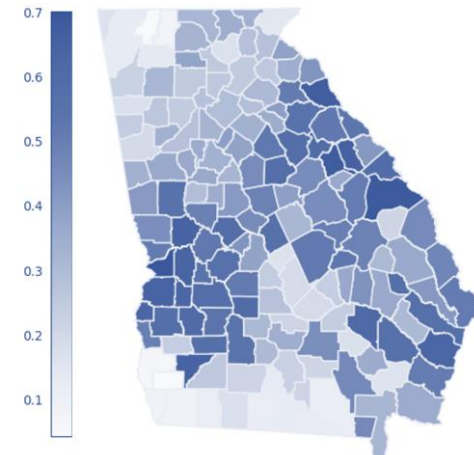- Low-Value Care
- Preventive Screening

Analytic Use Cases

Depending on the Use Case, deliverables may include

- Reports
- Datasets
- Interactive Dashboards

Next Steps for Data Analytics Team

- Begin publication of Use Case artifacts in January 2024

- Analytics library and tool development

- Preparation for data release activities

- Continue growing Georgia's role as a leader in the ACPD analytics community

Stakeholder Engagement

Dr. Jon Duke, CHAI

Stakeholder Engagement

Website
- Published new pages to the APCD website describing mechanisms for data access

Prospective Data Users
- Corresponded with researchers, policy makers, and others who have reached out to express interest in requesting APCD data and reports.

Data Submitters
- Continued engagement of data submitters

National APCD Community
- Representatives from the Georgia APCD moderated and presented at multiple sessions at the National Association for Health Data Organizations (NAHDO) conference

*A Look Ahead
- Focusing on employer engagement
- Town halls for data users

Data Access and Governance

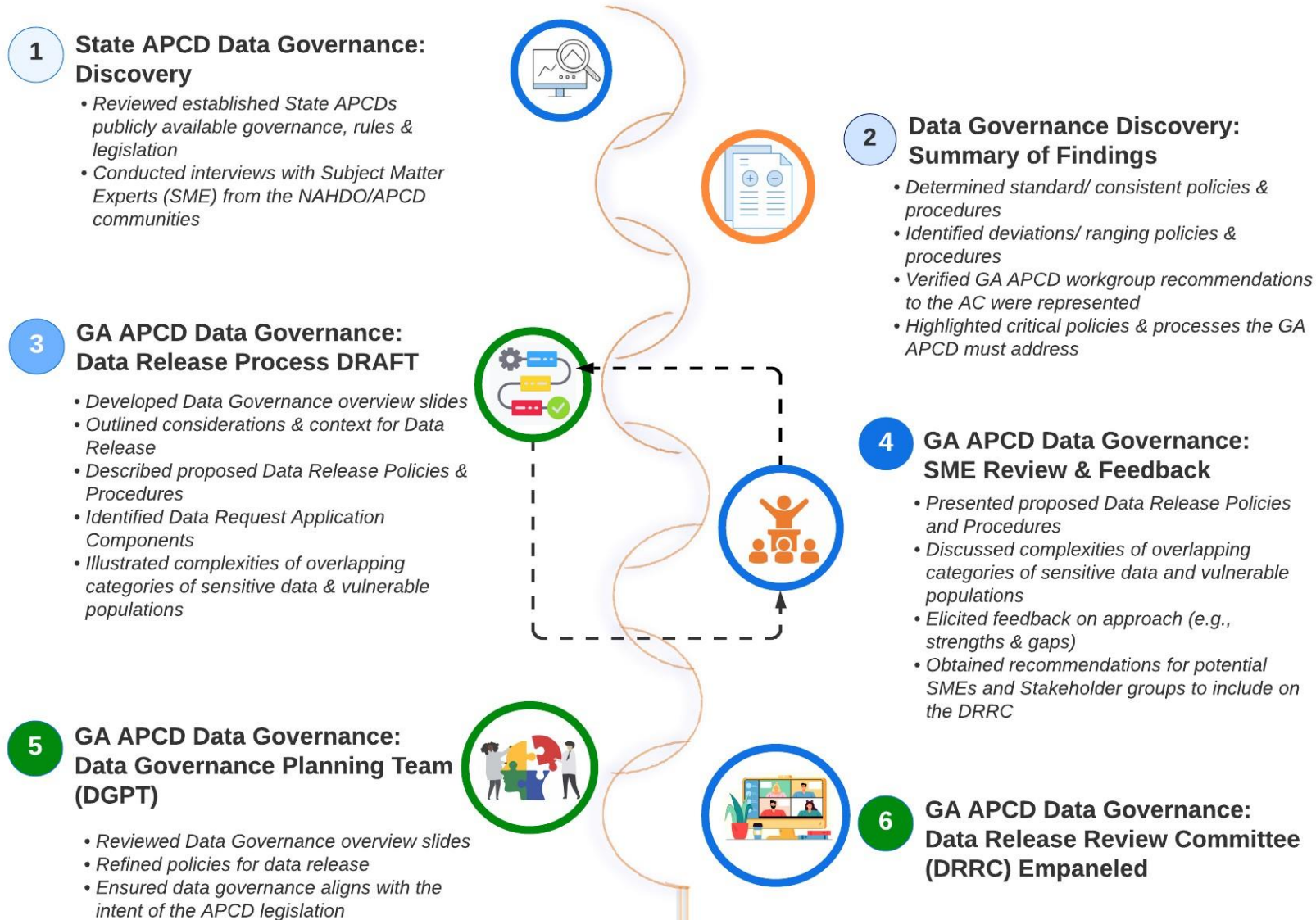Dr. Jon Duke, CHAI

Overview of Data Access and Governance

The APCD administrator is working on developing the policies and processes regarding access to APCD data and information.

In this section, we will cover:
- Review data governance planning process
- Discuss data access and release approach
- Review a timeline for when we will release application materials and begin accepting applications

Data Governance Planning

1 **State APCD Data Governance: Discovery**
- *Reviewed established State APCDs publicly available governance, rules & legislation*
- *Conducted interviews with Subject Matter Experts (SME) from the NAHDO/APCD communities*

2 **Data Governance Discovery: Summary of Findings**
- *Determined standard/ consistent policies & procedures*
- *Identified deviations/ ranging policies & procedures*
- *Verified GA APCD workgroup recommendations to the AC were represented*
- *Highlighted critical policies & processes the GA APCD must address*

3 **GA APCD Data Governance: Data Release Process DRAFT**
- *Developed Data Governance overview slides*
- *Outlined considerations & context for Data Release*
- *Described proposed Data Release Policies & Procedures*
- *Identified Data Request Application Components*
- *Illustrated complexities of overlapping categories of sensitive data & vulnerable populations*

4 **GA APCD Data Governance: SME Review & Feedback**
- *Presented proposed Data Release Policies and Procedures*
- *Discussed complexities of overlapping categories of sensitive data and vulnerable populations*
- *Elicited feedback on approach (e.g., strengths & gaps)*
- *Obtained recommendations for potential SMEs and Stakeholder groups to include on the DRRC*

5 **GA APCD Data Governance: Data Governance Planning Team (DGPT)**
- *Reviewed Data Governance overview slides*
- *Refined policies for data release*
- *Ensured data governance aligns with the intent of the APCD legislation*

6 **GA APCD Data Governance: Data Release Review Committee (DRRC) Empaneled**

Data Governance Planning Team (DGPT)

Elizabeth Holcomb, J.D., MPH
Office of Health Strategy and Coordination

D'Andrea Morning, Esq.
Grady Health System

Dean Burke, MD
Georgia Department of Community Health

Karen Minyard, M.N, Ph.D.
GA Health Policy Center

Neal Dickert, MD, Ph.D.
Emory School of Medicine

Carlton Dampier, MD
Children's Healthcare of Atlanta

Erin Fuse Brown, J.D., MPH
GSU Center for Law, Health & Society

Jason Bearden, MBA, MHA
CareSource

Robert Palmer, Ph.D., MSN, RN
Georgia Department of Public Health

Angie Snyder, Ph.D., MPH
GA Health Policy Center

Data Access Overview

There are multiple avenues for accessing APCD data and information.

Resources Available to the Public

- Dashboards
- Public Use Files (data files containing aggregated, de-identified data)
- Public Reports

Resources Available with Approved Request

For prospective data users whose research topics are not included in the public use files or reports, the following products can be requested:

- Non-Public Data Extracts
- Custom Reports

Resources Available to the Public

- A significant amount of valuable data will be made publicly available by the APCD that should address the information needs of many Georgians.

- Topics for public data release in early 2024 include:

Cost and Utilization	Population Health	Healthcare Quality
• Total Cost of Care • Chronic Disease Costs of Care • Avoidable Costs • Behavioral Health Costs of Care • Surprise Billing • Pharmaceutical Costs	• Chronic Disease Trends • Cancer Trends • Behavioral Health Trends • Maternal Health	• Low-Value Care • Preventive Screening

Resources Available with Approved Request

Non-Public Data Extracts

- Include "line-level" information on medical claims

- Include aggregate or "line-level" data involving financially or medically sensitive information

- These data may be provided to approved organizations based on alignment with GA APCD objectives and other criteria following a transparent review process.

Custom Reports

- Custom reports can be generated upon request from organizations based on alignment with GA APCD objectives and other criteria following a transparent review process.

- These reports support entities who may not be able to work with the data directly.

Proposed Non-Public Data Offerings

DATASET CLASSIFICATION	DATASET CATEGORY	SENSITIVE DATA ELEMENTS
Standard	De-identified	None
Standard or Custom	Limited Dataset (LDS)	5 digit member zip code and/or Dates of Service
Supplements	Sensitive	Payer identifiers provider identifiers, sensitive procedures, conditions and medications

Data Elements	De-identified	LDS	Supplements
Member demographics	X	X	
Diagnosis & procedure codes	X	X	
Prescription data	X	X	
Dental data	X	X	
Cost Data	X	X	
5 digit member zip code and/or dates of service		X	
Payer Identifiers			X
Provider Identifiers			X
Sensitive procedures, conditions & medications			X

Elements of Non-Public Data Extracts

Eligibility	Medical Claims	Pharmacy Claims	Provider
• Member demographics • Member location • Dates of coverage • Submitter Information • Insurance plan information	• Dates of service • Dates of payment • Place of service (type) • Procedure code(s) • Diagnosis code(s) • Cost information • Medical service line • Member location • Member age, sex • Member ID • Provider ID • Submitter information	• Prescription information (e.g., drug, strength, day's supply) • Prescription filled date • Cost information • Member location • Member age, sex • Member ID • Pharmacy provider ID • Prescribing provider ID • Submitter information	• Provider name • Provider specialty • NPI • Organization name and type • Provider location

Who is eligible to request non-public data?

- Types of data requestors

  - Researchers
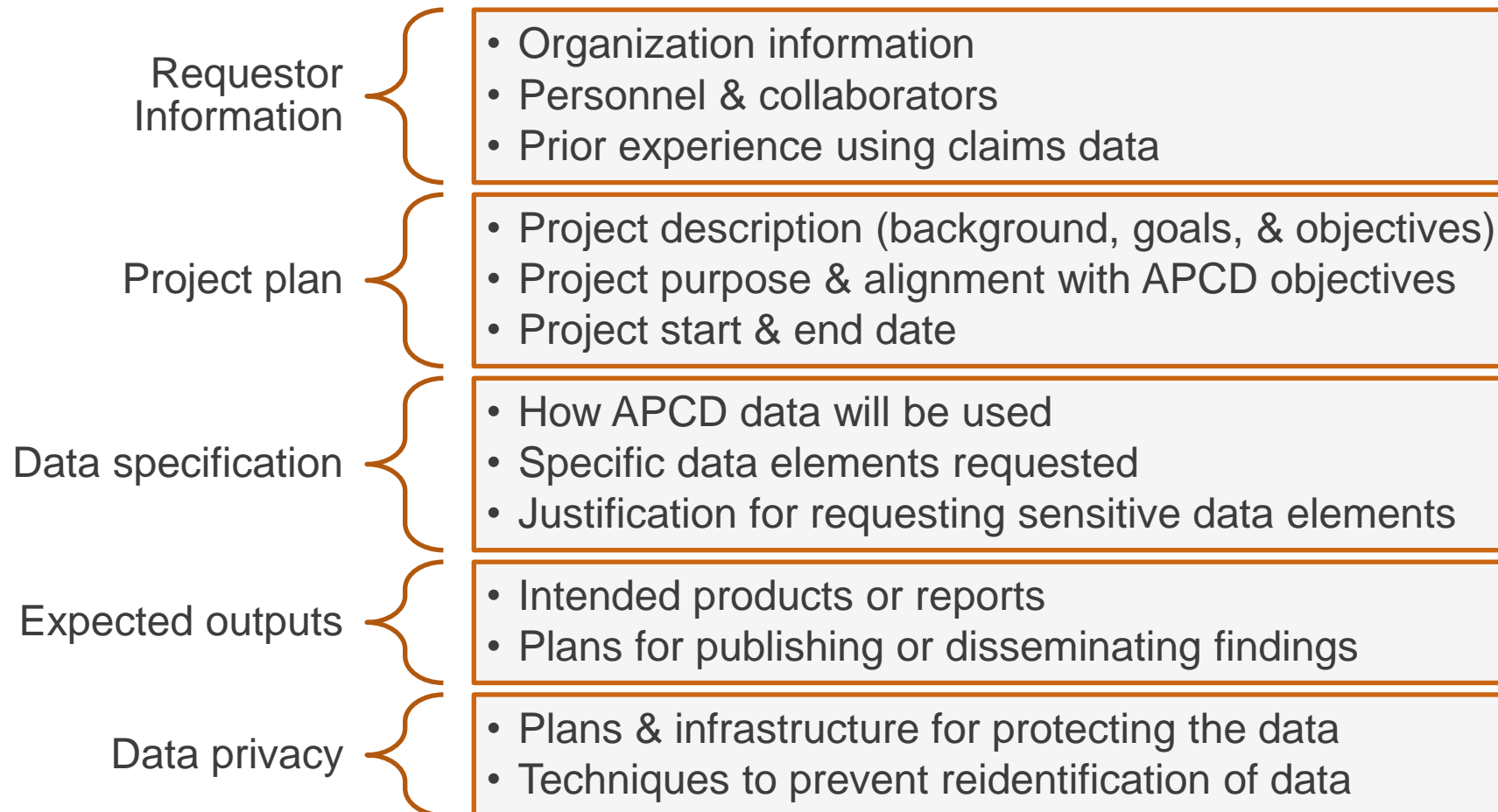
  - State/Federal entities

  - Payers

  - Providers/Health systems

  - Industry

  - Georgia employers

  - Other

- Additional considerations for data release

  - Organizational affiliation is required to access non-public APCD data.

  - Data may be released to in-state and out-of-state requestors.

  - Fees for data release (schedule TBD) may vary by organizational size and type.

Requirements for Non-Public Data Release

- Describe the project's alignment with Georgia APCD objectives.

- Justify how the data use will benefit the public.

- Demonstrate methodological expertise in claims data analytics.

- Provide documentation regarding security infrastructure.

- All requests should be limited to the minimum data necessary to answer the research question.

- Additional justification will be required for certain data elements to ensure antitrust compliance and to protect sensitive data.

Non-Public Data Request Application Content

Requestors of non-public data will need to submit an application conveying the following information:

Requestor Information
- Organization information
- Personnel & collaborators
- Prior experience using claims data

Project plan
- Project description (background, goals, & objectives)
- Project purpose & alignment with APCD objectives
- Project start & end date

Data specification
- How APCD data will be used
- Specific data elements requested
- Justification for requesting sensitive data elements

Expected outputs
- Intended products or reports
- Plans for publishing or disseminating findings

Data privacy
- Plans & infrastructure for protecting the data
- Techniques to prevent reidentification of data

Additional application elements may include:
- IRB approval
- Data use agreement
- Data management plan

Non-Public Data Request Process

1 Submit pre-application

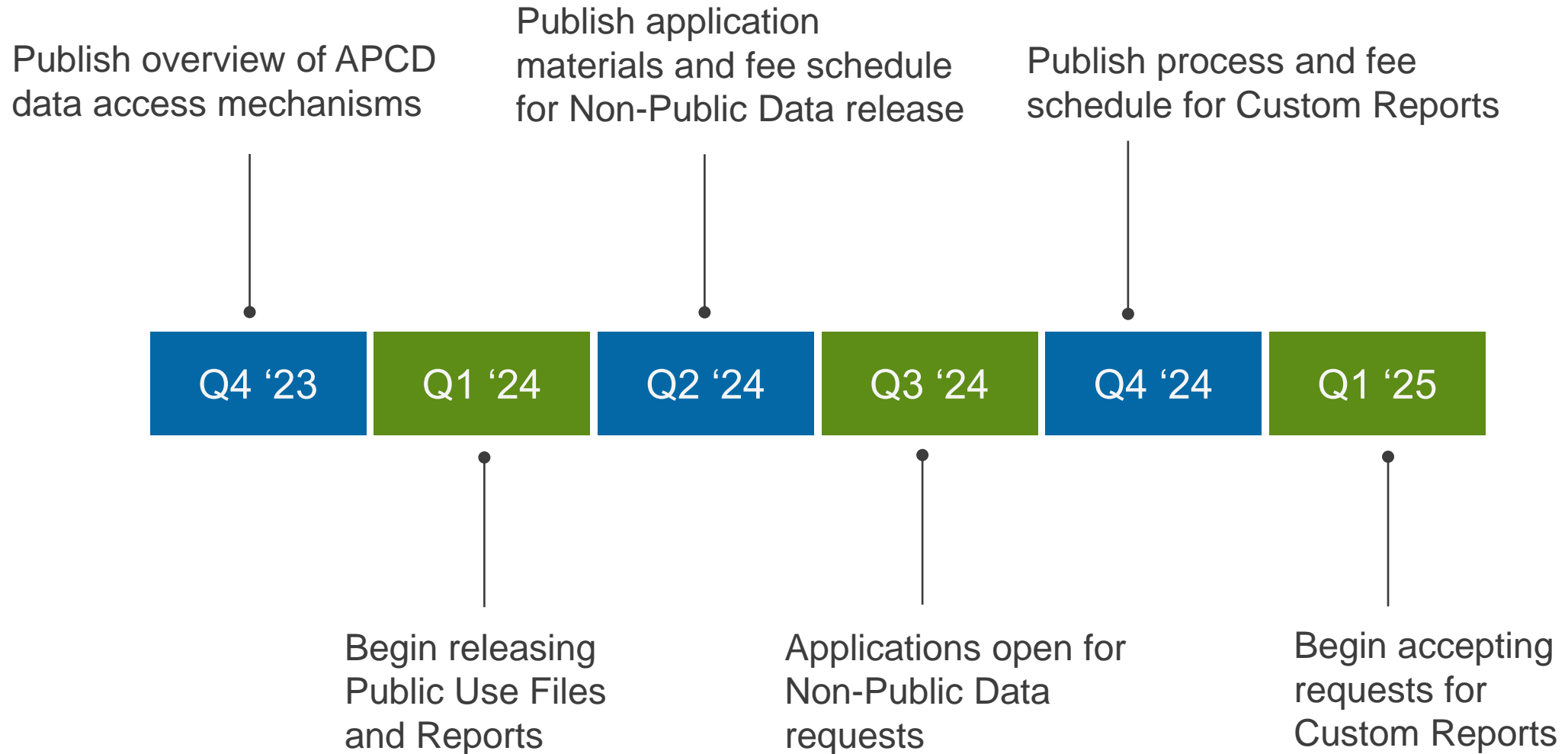**2** Work with Intake Coordinator to refine request

3 Submit data request application

4 Application intake

5 Application review by Security Team (if necessary)

6 Application review by Data Release Review Committee (DRRC)

7 Administrator makes final release decision

8 Execute Data Use Agreement (DUA) and make payment

9 Data release
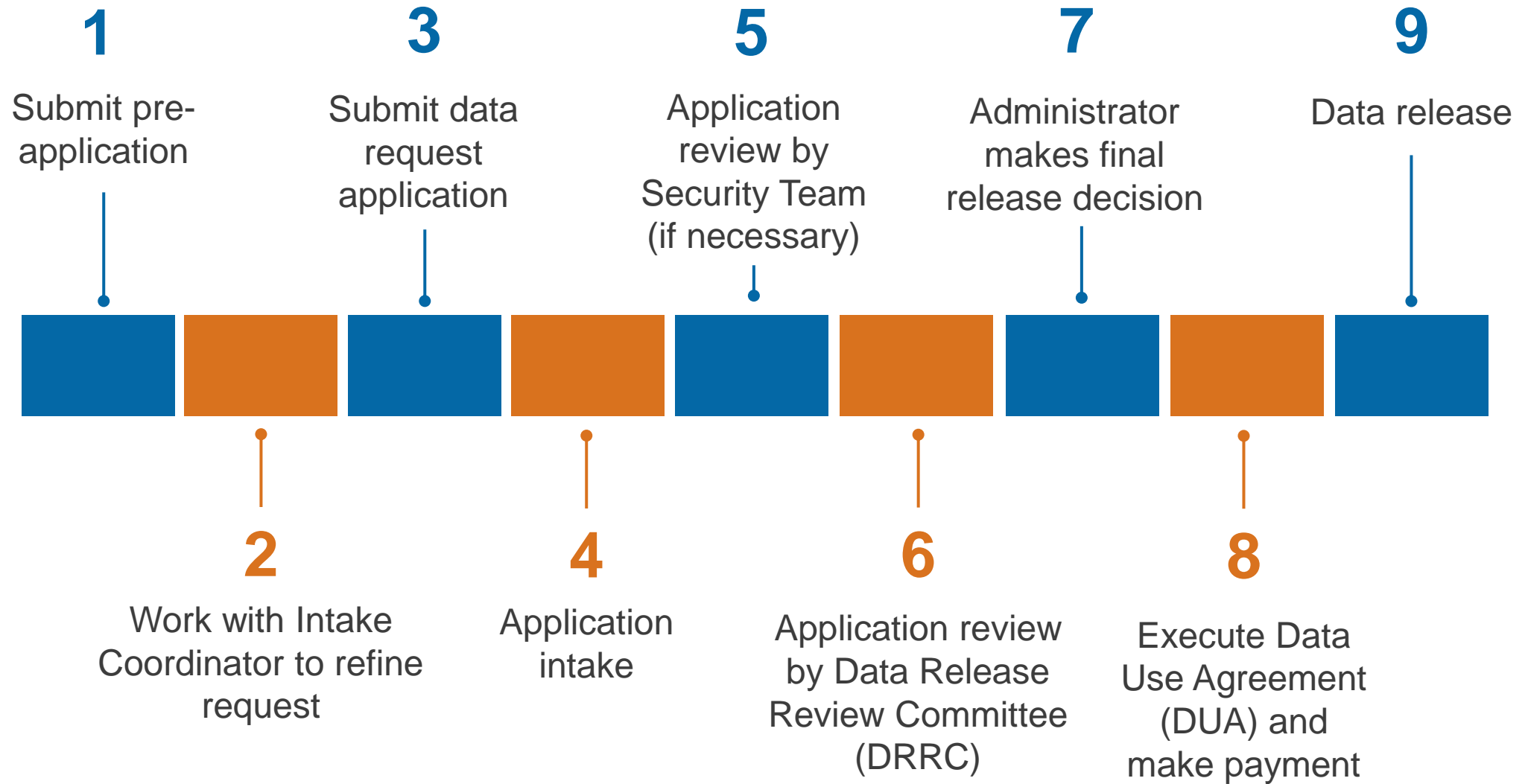
Timeline for Data Access (Calendar Year)

Publish overview of APCD data access mechanisms

Publish application materials and fee schedule for Non-Public Data release

Publish process and fee schedule for Custom Reports

Q4 '23	Q1 '24	Q2 '24	Q3 '24	Q4 '24	Q1 '25

Begin releasing Public Use Files and Reports

Applications open for Non-Public Data requests

Begin accepting requests for Custom Reports

Upcoming Activities and Next Steps

Elizabeth Holcomb, OHSC

Adjournment

Next Meeting – February 2024

Appendix

Pending Submitters

Submission data past due > 6 mths without extension request	Nov 1st, 2023 deadline missed without extension request (Data from 1/1/2018 - 5/31/2020)
Friday Health Plans - GAC1702	OptumRX Inc. - GA DCH GAG0001P
Georgia DCH – Medicaid - GAG0001	Oscar Health - GAC0904
GA Department of Community Health - State Hea - GAC1712	
Trustmark Health Benefits, Inc - GAC1710	

APCD Deadlines

The submitter rules and data submission guide establish the format, standards, procedures, and deadlines by which health and dental plans must submit data files to the Georgia All-Payer Claims Database.

Rules were initially published on December 21, 2022, and became effective on March 3, 2023.

Milestone	Deadline
Registration Deadline	Due March 7, 2023
Test File Submission	Due April 7, 2023
Health & Pharmacy Data	Due June 1, 2023
Dental Data	Due December 1, 2023

GAPCD
GEORGIA ALL-PAYER
CLAIMS DATABASE

APCD Submitter Rules

Topic	Rule
Covered lives baseline	Covered lives as of 12/31 of the previous year.
Covered lives threshold	1,000 covered lives
Population	All claims for Georgia residents and their dependents, regardless of where the service was delivered.
Submission frequency	• Monthly submission • All claims **adjudicated** during the reporting period.
Submission sequencing	No phased onboarding **within payer types** but provide a path for extensions.
Penalties	$1,000 per day
Registration deadline	Registration by no later than March 7, 2023
Health & Pharmacy Data	Due June 1, 2023
Dental Data	Due December 1, 2023

APCD Design Refresher
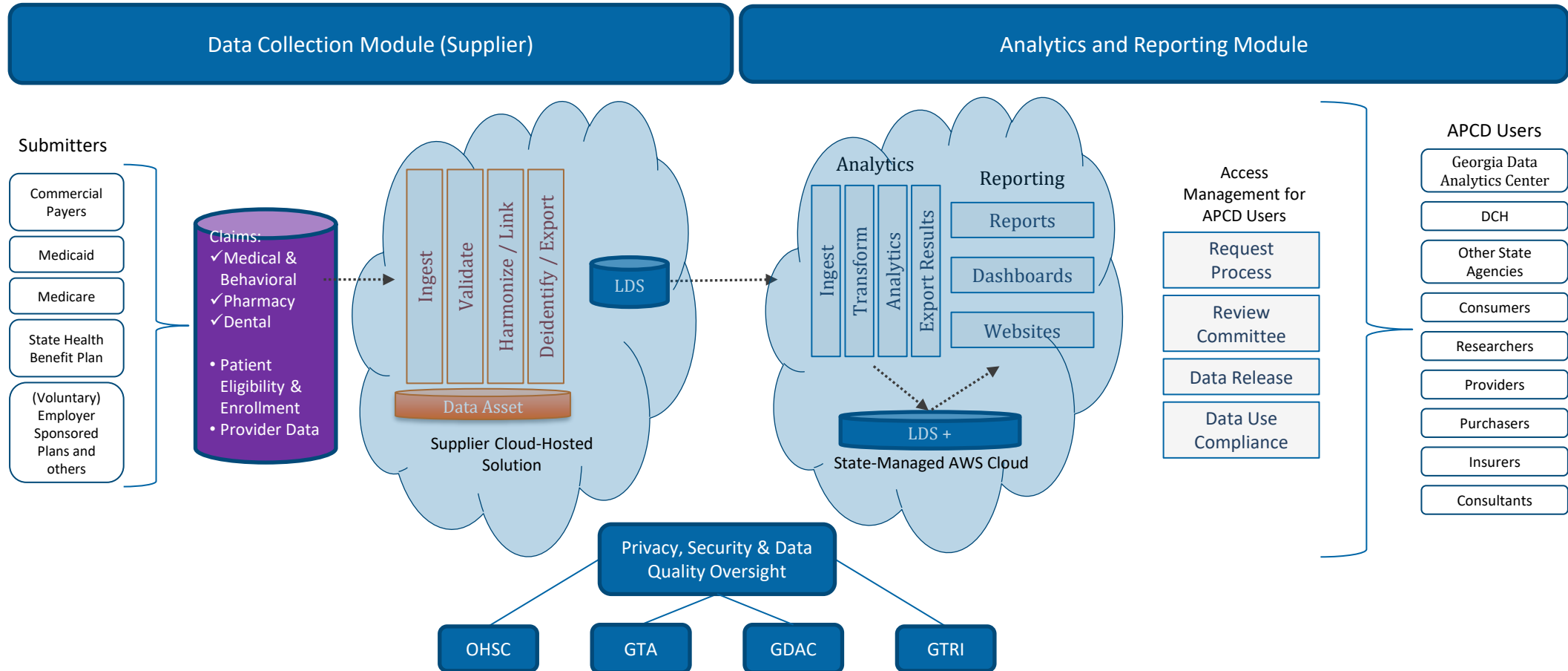
Initially Prioritized Use Case Categories

Cost & Utilization	Population Health	Health Care Quality

Cost & Utilization
- Total Costs of Care
- Chronic Disease Costs of Care
- Avoidable Costs
- Behavioral Health Costs of Care
- Surprise Billing
- Pharmaceutical Costs

Population Health
- Chronic Disease Trends
- Cancer Trends
- Behavioral Health Trends
- Maternal Health

Health Care Quality
- Low-Value Care
- Preventive Screening

Medical Covered Lives Breakdown

*Some submitters submit for more than one plan type in a single submission, so the number of plans will be greater than the total number of submitters.

Plan Type	Medical Plans	Medical Covered Lives
Small-Employer Health Insurance Plans	12	292,301
Exchange Plans	11	521,337
Self-Insured ERISA Plans	9	400,897
Self-Insured Non-ERISA Plans	11	652,842
Medicare Part C (Medicare Advantage)	9	1,214,283
Medicaid FFS	0	0
Medicaid Managed Care	4	2,115,836

GAPCD
GEORGIA ALL-PAYER
CLAIMS DATABASE

Funding

State Funding

	FY22	FY23	FY24	FY25	Total
FY 2022 Encumbrance (DCH)	$ 2,815,000				
GTA Tech Empowerment Fund (TEF)		$ 1,230,000			
OHSC APCD State Base			$800,000	$800,000	
Total State Budget	**$ 2,815,000**	**$ 1,230,000**	**$ 800,000**	**$ 800,000**	**$5,645,000**

Implementation Budget

Total Budget	$12, 377,097
Total Encumbered	$3,501,863