

The Arkansas All-Payer Claims Database (APCD) Data Validation Reporting



All-Payer Claims
Database

March, 2016

Introduction

This packet contains information for submitting entities (SEs) introducing the **data validation summary** and **detail reporting** provided with each data submission.

ARKANSAS ALL-PAYER CLAIMS DATABASE (APCD) PROCESS



Who Will Submit Data?

- Issuers of health and dental plans in Arkansas (2,000 covered individuals as threshold)
- Arkansas Medicaid and Medicare
- State and public school employee benefit plans
- Arkansas Workers' Compensation Commission
- Third-party administrators and pharmacy benefits managers (same threshold as issuers)
- Entities providing medical services under contract with state prison system
- Self-funded plans as allowed by federal law*

*Pending *Gobeille v. Liberty Mutual Insurance*, 746 F. 3d 497 (2d Cir. 2014), petition for cert. granted, (No. 14-181).

What Will Be Submitted?

SEs must provide the following data categories unless granted an exemption or exception:

- Member enrollment data
 - Unique identifiers
 - Demographic and geographic information
- Medical claims
- Pharmacy claims
- Dental claims
- Provider data
- Control Counts
- Look-up Tables

Submission Timeline

- Test files expected to be submitted no later than January 1, 2016
- SEs will be divided into four groups
- Historical data will be based on a phased data submission schedule

Group Number	Date of Data Receipt	Claims Dates	
		From	To
All Groups	01/01/2016	One month of data (any month)	
Group 1	03/31/2016	01/01/2013	12/31/2015
Group 2	06/30/2016	01/01/2013	12/31/2015
Group 3	09/30/2016	01/01/2013	12/31/2015
Group 4	12/31/2016	01/01/2013	12/31/2015

Submission Timeline

- Quarterly Data will be based on a phased submission schedule

Catch up submission

Group Number	Date of Data Receipt	Claims Dates	
		From	To
All Groups	3/31/2017	1/1/2016	12/31/2016
All Groups	6/30/2017	1/1/2017	3/31/2017
All Groups	9/30/2017	4/1/2017	6/30/2017
All Groups	12/31/2017	7/1/2017	9/30/2017
All Groups	3/31/2018	10/1/2017	12/31/2017
All Groups	6/30/2018	1/1/2018	3/31/2018
All Groups	9/30/2018	4/1/2018	6/30/2018
All Groups	12/31/2018	7/1/2018	9/30/2018
All Groups	3/31/2019	10/1/2018	12/31/2018
All Groups	6/30/2019	1/1/2019	3/31/2019

DATA VALIDATION REPORTING

Data Validation Levels

- Submitted data is evaluated through two data validation levels
 - Level 1: Data Intake Confirmation
 - Filename requirements and contents
 - Encryption and signature validation
 - File layouts – header and trailer record checks
 - Number of files per submission
 - Record and column counts
 - Level 2: Field Level Validation
 - Executed after data file passes Level 1
 - Produces Data Validation Summary and Detail Reports

Instructions in this package focus on Level 2 only.

Data Validation Report Types

- Two data validation reports will be produced for every file submitted
 - Data Validation Summary Report
 - Provided in Microsoft Excel format
 - Includes data type, length, value validation results
 - Provides field level pass/fail indicators
 - Provides file level pass/fail indicators
 - Data Validation Detail Report
 - Provided in pipe delimited text file
 - Includes 1000 examples of each data issues. Examples are not mutually exclusive – a field can be represented multiple times if more than one issues exists
 - Includes data element ID, file row number, and error descriptions

Data Validation Pass/Fail Criteria

- A submitted file is failed at the file level if any one required field fails validation
- A field will fail validation if the data type, data length, data value, data dependency, OR threshold criteria are not met
- Threshold criteria is evaluated after data exception requests
- Optional fields are evaluated though not included in the file failure criteria

Data Validation Report Delivery

- Data validation reports are provided via the submitting entity's Web Portal
- Data Validation Summary and Detail reports are zipped together into a single data validation report package for delivery
- The zipped package is encrypted with the submitting entity's public key for data delivery and signed with the ARAPCD_DSA Private Key. A detached signature file is included for verification
- Upon delivery, the submitting entity can download, unzip, and decrypt the data validation report package for review



How to Read The Validation Reports

- Identify the data elements (by data element ID) that failed in the APCD Summary Validation reports
- Find the all rows with the failed data element ID in the Arkansas APCD Detail Validation file
- Address the identified issues in the submitted data and resubmit the data file
- If you are unable to resolve the data quality issues, file an exception with the Arkansas APCD team. If accepted, we will turn off the requirements for those fields for your entity code so your files can pass



DATA VALIDATION SUMMARY REPORT

Data Validation Summary Report



Data Validation Non-Pivot Summary Report

Entity Code 99999
Payer Name ACHI Test Entity
File Name ARAPCD_99999_TEST_20151230_201511_01_01_ELG.dat
Data Source Member Eligibility Data
Record Count 42570
DSG Version 4.1.2015
FileLogId 2
FileLogDate 2/24/2016 7:47:25 AM
ETL Complete Date 3/7/2016 9:13:48 AM
Data Validation Result **FAIL**

Data Element ID	Data Element Name	Data Type Failures	Data Length Failures	Data Value Failures	Dependency Check Failures	Dependency Flag	Optional Column Flag	Req Threshold	Calc Threshold	Total Records	Data Validation Result
ME001	Submitter	0	0	0	0	False	0	100.000000	100.000000	42570	Pass
ME003	InsuranceType/ProductCode	0	0	0	0	False	0	99.000000	100.000000	42570	Pass
ME009	PlanSpecificContractNumber	0	0	0	0	False	0	99.000000	100.000000	42570	Pass
ME164A	HealthPlan	42570	42570	0	0	False	0	100.000000	0.000000	42570	Fail



Data Validation Summary Report

Header Definitions

Header Field	Definition
Entity Code	Code assigned by Arkansas APCD representing the submitting entity
Payer Name	Submitting Entity Name
File Name	Name of submitted file represented in the Data Validation reporting
Data Source	Submitted File Category Values: <div> <div>Member Eligibility Data</div> <div>Medical Claims Data</div> <div>Pharmacy Claims Data</div> </div> <div> <div>Dental Claims Data</div> <div>Provider Data</div> </div>
Record Count	Count of data detail (DD) records on the file, not including headers and trailers
DSG Version	Current DSG version used for validation
FileLogID	Internal flag representing submission
FileLogDate	Date data file was picked up from SFTP site
ETL Complete Date	Date data validation was complete
Data Validation Result	Overall data validation result

Data Validation Summary Report Definitions

Report Field	Definition
Data Element ID	Identifying number from Arkansas APCD Data Submission Guide (DSG) representing the field
Data Element ID Name	Name/high level descriptor of field from Arkansas APCD DSG
Data Type Failures	This quantity represents the unique number of records from the Total Records For Calculation that failed because of a data type error. Data Type Failures, Data Length Failures, and Data Value Failures are not mutually exclusive
Data Length Failures	This quantity represents the unique number of records from the Total Records For Calculation (529) that failed because of a data length error. Data Type Failures, Data Length Failures, and Data Value Failures are not mutually exclusive
Data Value Failures	This quantity represents the unique number of records from the Total Records For Calculation (529) that failed because of a data value error. Data Type Failures, Data Length Failures, and Data Value Failures are not mutually exclusive
Dependency Check Failures	Did not meet Dependency Check Criteria. This quantity represents the unique number of records that did not meet dependency check criteria
Dependency Flag	Indicates if a dependency was required for the data element. Values: True – a dependency is required False – no dependency is required

Data Validation Summary Report Definitions, Cont.

Report Field	Definition
Failed Dependency Non Empty	This quantity represents the unique number of records that did not have a dependency check but contained data. Data should not be contained in a data element if the dependency criteria is not met
Optional Column Flag	Indicates if the data element was optional or required. Values: 0 – field is required 1 – field is optional
Total Records For Calculation	This column represents the unique number of records that met dependency check criteria and had values in the data element. This quantity represents the entire universe for calculation. Records without qualifying dependencies are not included so that the threshold calculation represents qualified data.
Total Unique Records Failed	The total unique number of records with correct dependency criteria but failed the data type, data length, and/or data value validation check
Req Threshold	Indicates data coverage threshold required in Arkansas APCD DSG and after exceptions have been applied
Calc Threshold	The threshold of the qualifying data utilizing the Total Records for Calculation and the Total Unique Records Failed. If the quantity for Failed Dependency Non Empty > 0, Calc Threshold would be set to 0.
Data Validation Results	Indicates if field passed or failed data validation

DATA VALIDATION DETAIL REPORT

Data Validation Detail Report Definitions

Report Field	Definition
redKey	Row Number of Data Validation Detail Report File
RowNumber	Source data row upon which the data validation error occurred
EntityCode	Code assigned by Arkansas APCD representing the submitting entity
PayerName	Submitting Entity Name
DataSource	Submitted File Category Values: <div> <div>Member Eligibility Data</div> <div>Dental Claims Data</div> <div>Medical Claims Data</div> <div>Provider Data</div> <div>Pharmacy Claims Data</div> </div>
FileName	Name of submitted file represented in the Data Validation reporting
DataElementID	Identifying number from Arkansas APCD Data Submission Guide (DSG) representing the field
DataElementName	Name/high level descriptor of field from Arkansas APCD DSG
DataValue	Field value failing data validation check
FailedCheck	Data validation description
DateTimeStamp	Date and time validation report was processed

Data Validation Detail Report Example

Detail Report Content Example Exported into Excel

recKey	RowNumber	EntityCode	PayerName	DataSource	FileName	DataElementID	DataElementName	DataValue	FailedCheck
1	1	99999	ACHI Test Entity	Member Eligibility Data	ARAPCD_99999_TEST_20151230_201511_01_01_ELG.dat	ME002	NationalPlanId		Optional Column Failed DataLength Validation Check. Maximum Field Length is 30 characters.
2	2	99999	ACHI Test Entity	Member Eligibility Data	ARAPCD_99999_TEST_20151230_201511_01_01_ELG.dat	ME012	IndividualRelationshipCode	02	REQUIRED Column Failed DataValue Validation Check. The expected DataValue was not found in the Lookup Reference.
3	3	99999	ACHI Test Entity	Member Eligibility Data	ARAPCD_99999_TEST_20151230_201511_01_01_ELG.dat	ME017	MemberZipCode	720320001	REQUIRED Column Failed DataLength Validation Check. Required Fixed Field Length is 5 characters.

Provided Format - Pipe Delimited .dat File

```

recKey|RowNumber|EntityCode|PayerName|DataSource|FileName|DataElementID|DataElementName|DataValue|FailedCheck|DateTimeStamp
1|1|99999|ACHI Test Entity|Member Eligibility Data|ARAPCD_99999_TEST_20151230_201511_01_01_ELG.dat|ME002|NationalPlanId||Optional Column Failed DataLength Validation Check. Maximum Field Length is 30 characters.|3/9/2016 9:30
2|2|99999|ACHI Test Entity|Member Eligibility Data|ARAPCD_99999_TEST_20151230_201511_01_01_ELG.dat|ME012|IndividualRelationshipCode|02|REQUIRED Column Failed DataValue Validation Check. The expected DataValue was not found in the Lookup Reference.|3/9/2016 9:30
3|3|99999|ACHI Test Entity|Member Eligibility Data|ARAPCD_99999_TEST_20151230_201511_01_01_ELG.dat|ME017|MemberZipCode|720320001|REQUIRED Column Failed DataLength Validation Check. Required Fixed Field Length is 5 characters.|3/9/2016 9:30

```

*Note, optional fields are included as failures though they do not count against the overall file status.
They are identified as Optional in the FailedCheck column*

Questions?

Web Portal File Retrieval

APCD Website Homepage



Arkansas All-Payer Claims Database

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Web Portal

About the APCD

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Search

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?

- Click here for a [current status](#) on the Arkansas APCD

Reports and Maps

Click below to view initial reporting available from the Arkansas APCD.

[Start Here!](#)

Proposed Rule and Data Submission Guide

- Check out the new [Act 1233, AID Proposed Rule 100](#)
- Check out the new APCD [Data Submission Guide](#)

Data Submitters and Data Requesters

Click below to access the Arkansas APCD Web Portal.

[Start Here!](#)

How to Use APCD Website

Below is a summary of the tabs listed at the top of the Arkansas APCD page, each representing different content areas of the website:

- Visit the [Reports and Maps](#) to view reports on the price and utilization of select procedures
- Visit the [Resources](#) find additional information on healthcare transparency efforts in Arkansas and the national-level
- Visit the [Governance](#) to learn more about Arkansas APCD oversight and governing authority
- Visit the [About the APCD](#) to find out more about the Arkansas APCD project, including contact information, [frequently asked questions](#), a listing of data sources and more

Health Care System Transparency

The Arkansas APCD is an exciting initiative that builds upon increased efforts at health care system transparency in Arkansas. Click here to read the latest [issue brief](#) on health care data transparency and click here to see additional resources on transparency efforts at the state and national-level.



User Name and Password



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Web Portal: Data Submitter and Data Requester Access

The Arkansas All-Payer Claims Database (APCD) Web Portal provides authorized, secure access for data submission and data release.

Signing up for a Web Portal Account

To request an account, please contact [APCD Technical Support](#).

To submit an online technical support question, please [fill out our online contact form](#), and somebody from our technical support team will reach out to you within 48 business hours.

Log into the Web Portal

User Name:

Password:

Log In

Forgot your password? [Click](#)

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Web Portal Dashboard

Upon logging into the Web Portal, users will be directed to the *Web Portal Dashboard*. Within this page, users may access the following tabs:

- Account Overview
- Upload Files
- Retrieve Files
- Notifications
- Account History
- Technical Support

Web Portal Setup

Account Overview



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Account Overview

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Account Overview

Organization:

Entity Code: 12345

SFTP Account:

Account Type: Submitter

Contact Email:

Contact Phone: 555-444-3210

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Web Portal Setup

Account Overview

Under the *Account Overview* tab, users will be able to see the following entity-specific information:

- Organization: Submitting entity (SE)
- Entity Code: NAIC Company Code
- SFTP Account: SFTP path associated per SE Code
- Account Type: Automated to reflect SE
- Contact Email: Email for SE personnel
- Contact Phone: Phone number for SE personnel

Web Portal Setup

Account Overview



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Account Overview

Organization:

Entity Code: 12345

SFTP Account:

Account Type: Submitter

Contact Email:

Contact Phone: 555-444-3210

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Web Portal Setup

Retrieve Files

Under the *Retrieve Files* tab, users will be able to retrieve and view files produced by the APCD.

- Data Quality Reporting
- Other files uploaded from APCD to the SE

Web Portal Setup

Retrieve Files

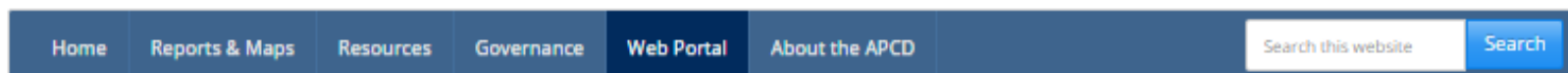


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Retrieve Files

Any files that have been prepared for you by the Arkansas APCD will be available for you to retrieve here.

No files currently available for your account.

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Notifications

Under the *Notifications* tab, users will be able to view account-specific information.

- Technical Support contact information changes
- Technical Support phone number changes
- Technical Support email address changes
- APCD web portal changes

Web Portal Setup

Notifications

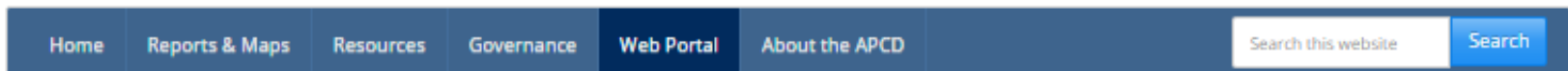


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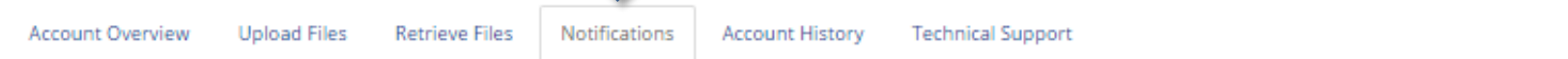
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Notifications

Notifications specific to your account will be displayed on this page.

No notifications or alerts currently exist for your account.

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Web Portal Setup

Account History

Under the *Account History* tab, users will be able to view detailed information regarding their specific accounts.

Actions listed include:

- Successful login to the APCD Web Portal
- File Successfully Uploaded (with name of file)
- Verification of Technical Support Request submission

Web Portal Setup

Account History

Web Portal: Dashboard

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Account History

Action	Action Time
Tech Support Request Submitted!	10/21/2015, 12:31 PM
Successful login to the Arkansas APCD Web Portal	10/21/2015, 7:19 AM
Successful login to the Arkansas APCD Web Portal	10/20/2015, 3:26 PM
Successful login to the Arkansas APCD Web Portal	10/20/2015, 3:13 PM