# Querying Data with the CLTS Advanced Query Builder (AQB) Claim Data and Prior Authorization Data

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Michele Ensor EDWDARtraining@sas.com



#### **Topics**

- 1. Accessing the SAS Viya Production Environment
- 2. CLTS (Children's Long-Term Support Program) Reports Overview
  - □ SAS Visual Analytics Report
  - □ SAS Studio Reports
- 3. CLTS (Children's Long-Term Support Program) Advanced Query Builder (AQB)
  - Introduction to the CLTS AQB
  - Selecting Variables (DATA tab)
  - Filtering Rows (FILTERS and ADDITIONAL FILTERS tabs)
  - □ Selecting Output Format (OUTPUT tab)
  - □ Exploring AQB Mapping Data (Explore Data Lineage Report)

Note: For a county user, the CLTS reports and AQB will display the CLTS data specific to the user's submitter org ID.

# Topic #1: Accessing the SAS Viya Production Environment

#### Accessing the SAS Viya Production Environment

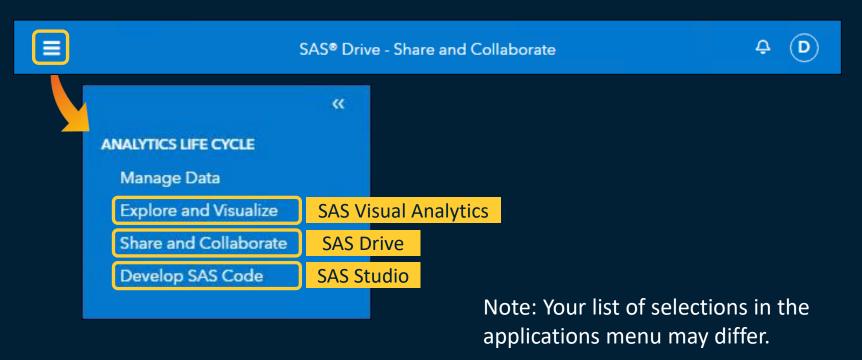
To access the SAS Viya Production Environment:

- 1. Click the following SAS Viya Production Environment link: <a href="https://prod.widhs.cloudanalytics.sas.com/SASDrive/">https://prod.widhs.cloudanalytics.sas.com/SASDrive/</a>
- 2. On the blue SAS sign in page, click **Use your corporate credentials**.
- 3. On the Okta sign in page, enter you work email address. Click Next.
- 4. On the Gainwell WISX ADFS sign in page, enter your Forward Health Portal username and password. Click **Sign in**.
- 5. You are directed to SAS Drive.

Note: If this is the first time accessing the SAS Viya production environment, you will be directed to the SAS welcome screens prior to be being directed to SAS Drive.

## Accessing the SAS Applications

To access SAS applications, click the applications menu icon and make your selection from the menu.



# Accessing the SAS Applications

SAS Drive	SAS Drive is a collaborative interface for accessing, organizing, and sharing content.
SAS Visual Analytics	SAS Visual Analytics is an application used to visualize data and create or view interactive reports.
SAS Studio	SAS Studio is a programming interface used to write and submit SAS code. Alternatively, point-and-click tasks can be used to generate SAS code to create reports or to query data.  © Comparable to Business Objects.

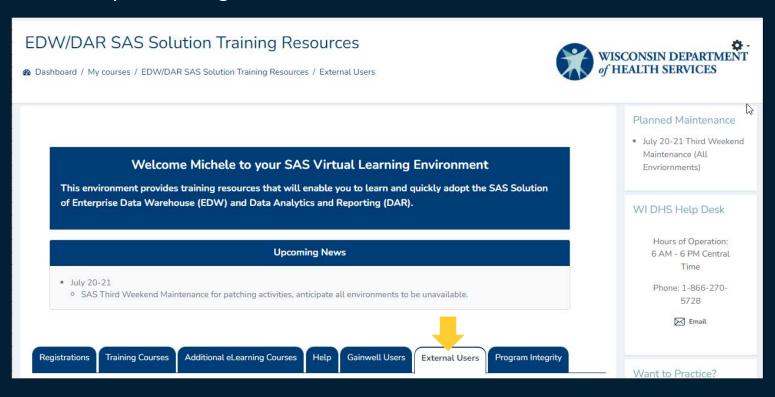
# Changing Settings and Signing Out

To change settings and to sign out, click your initial icon and make your selection from the menu.



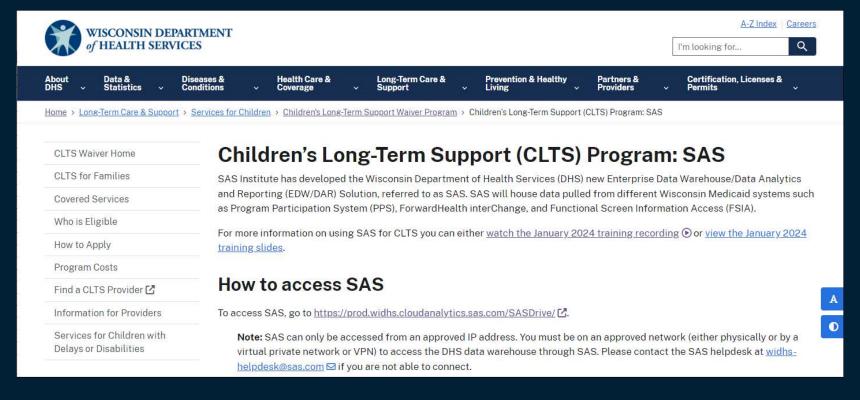
### Accessing the SAS Virtual Learning Environment (VLE)

The SAS Virtual Learning Environment contains training materials. There is a one-time activation process to gain access to the VLE. Refer to the instructions document.



#### **CLTS Program: SAS**

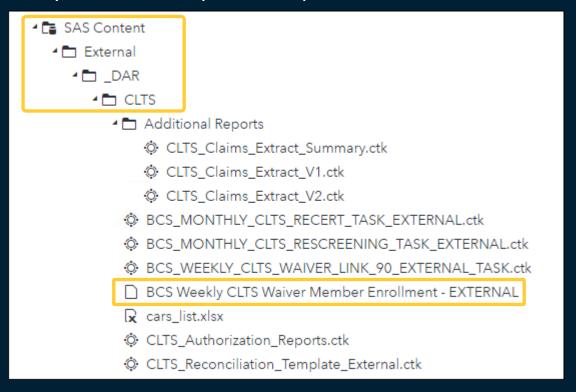
### https://www.dhs.wisconsin.gov/clts/waiver/county/sas.htm



Topic #2:
CLTS Reports Overview

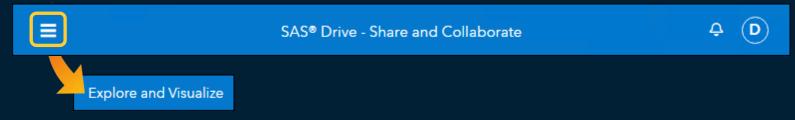
#### **CLTS Report in SAS Visual Analytics**

As of June 2024, there is one CLTS report that can be accessed from SAS Visual Analytics. You will open the report and view the tabular data.

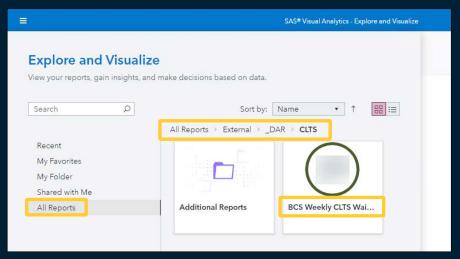


# **CLTS Report in SAS Visual Analytics**

Go to SAS Visual Analytics.

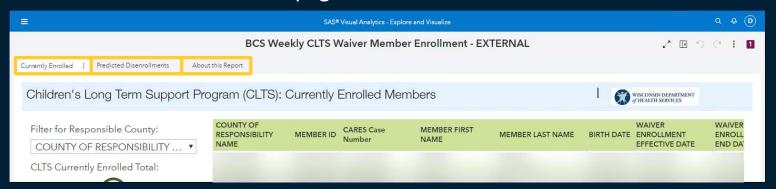


#### Open the report.

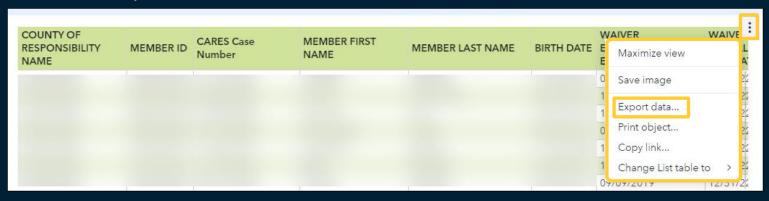


## **CLTS Report in SAS Visual Analytics**

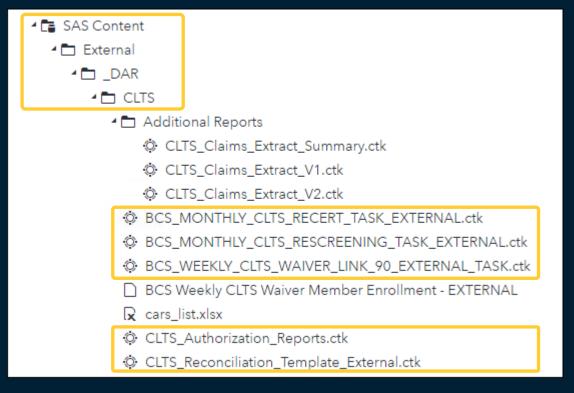
View the tabular data on the pages.



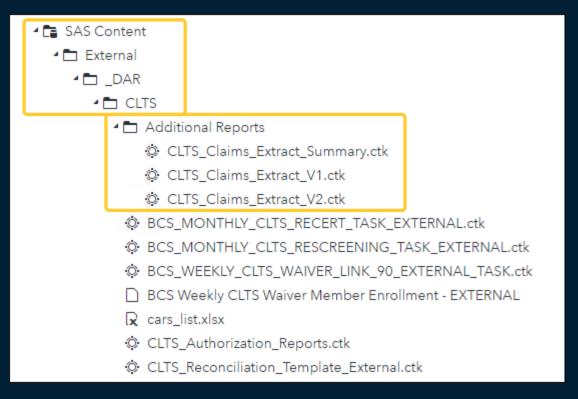
#### If desired, export the data to Excel.



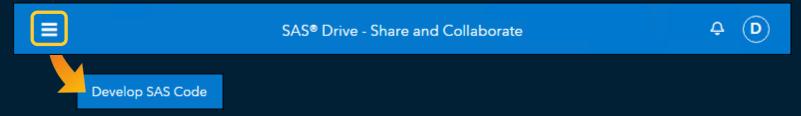
The remaining CLTS reports can be accessed from SAS Studio. You will open the report task, supply input, run the report, and download the report file.



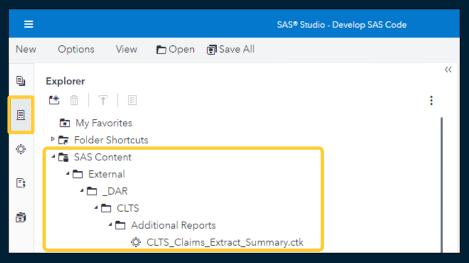
Expand the Additional Reports folder to see additional SAS Studio reports.



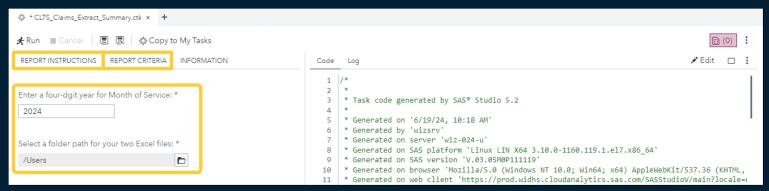
Go to SAS Studio.



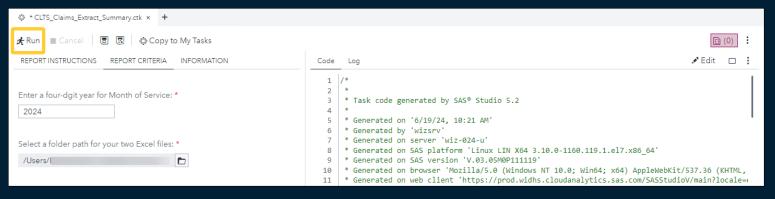
Open the report task from the Explorer section.



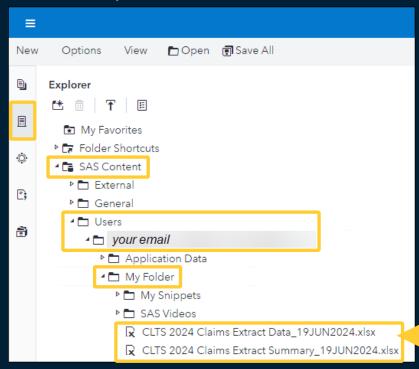
#### Read the instructions and supply the input.



#### Run the report task.



Find the report file and download the file.



Right-click on the file and select **Download file** from the menu



# Running a SAS Studio CLTS Report

Note: Since today's session is being recorded, the demo will not show any personally identifiable information or protected health information.

#### Need Help with CLTS Reports

SAS Virtual Learning Environment <a href="https://vle.sas.com/course/view.php?id=8045">https://vle.sas.com/course/view.php?id=8045</a>



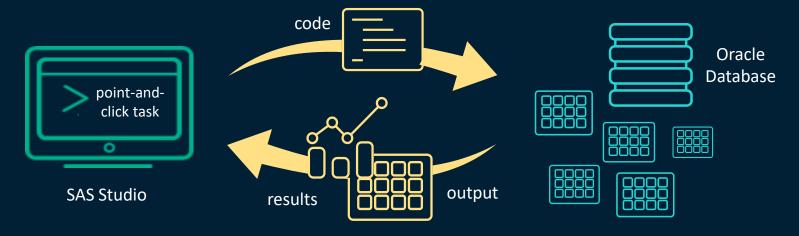
Email <a href="mailto:EDWDARtraining@sas.com">EDWDARtraining@sas.com</a> to request a SAS training office hour.

Topic #3:

**CLTS Advanced Query Builder (AQB)** 

#### **CLTS Advanced Query Builder**

The CLTS Advanced Query Builder (AQB) is a graphical user interface to query CLTS data. When you use the AQB, you get to decide which columns you want and how to filter the data.

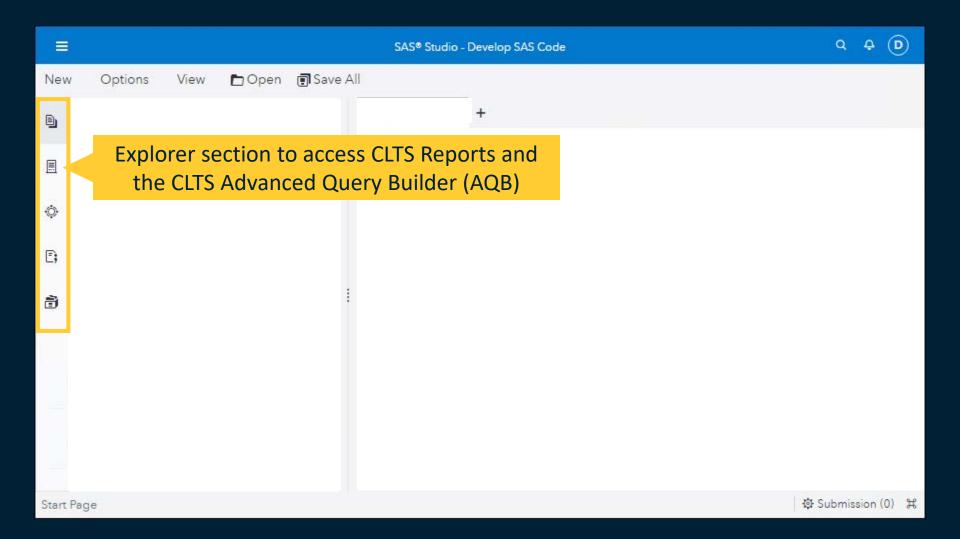


The CLTS Advanced Query Builder is available within SAS Studio as a point-and-click task.

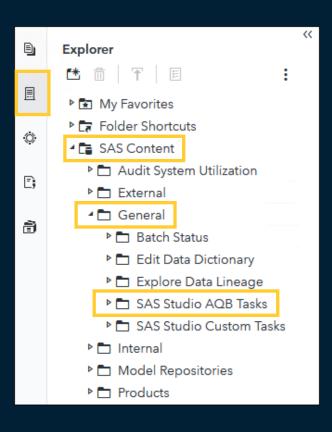
# **Accessing SAS Studio**

To access SAS Studio, select **Develop SAS Code** from the applications menu.



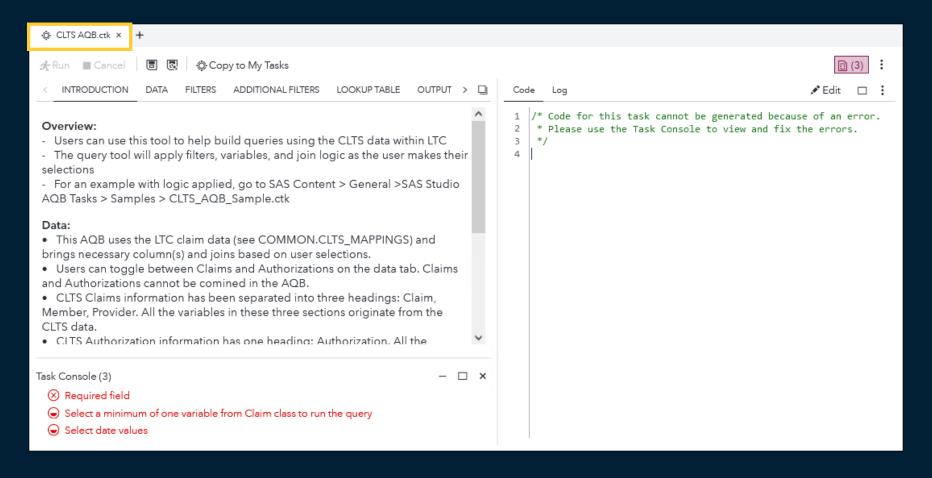


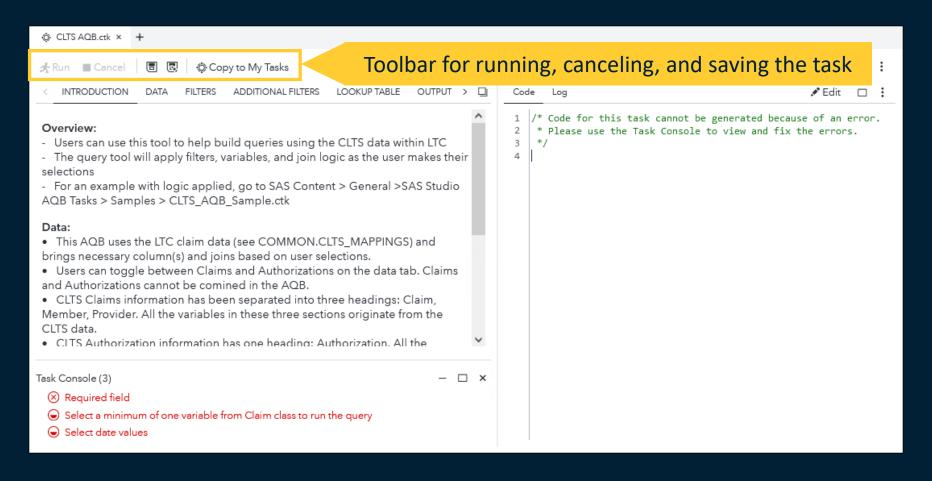
# Accessing the CLTS AQB from SAS Studio

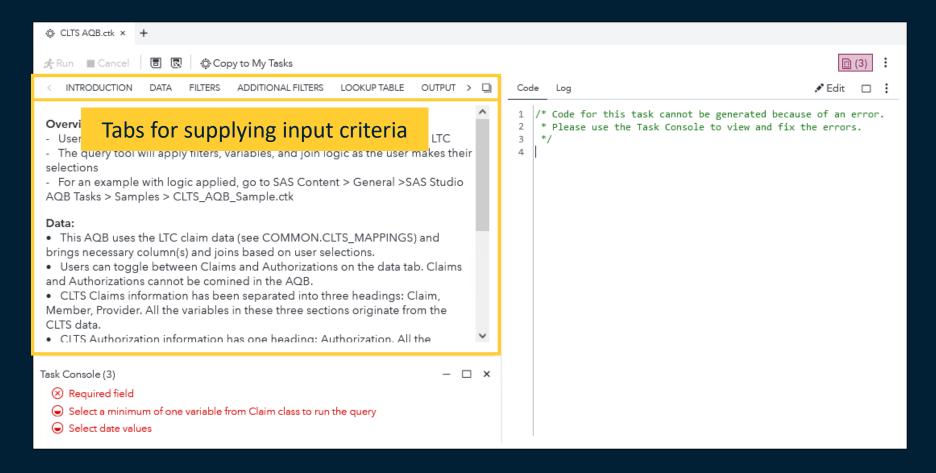


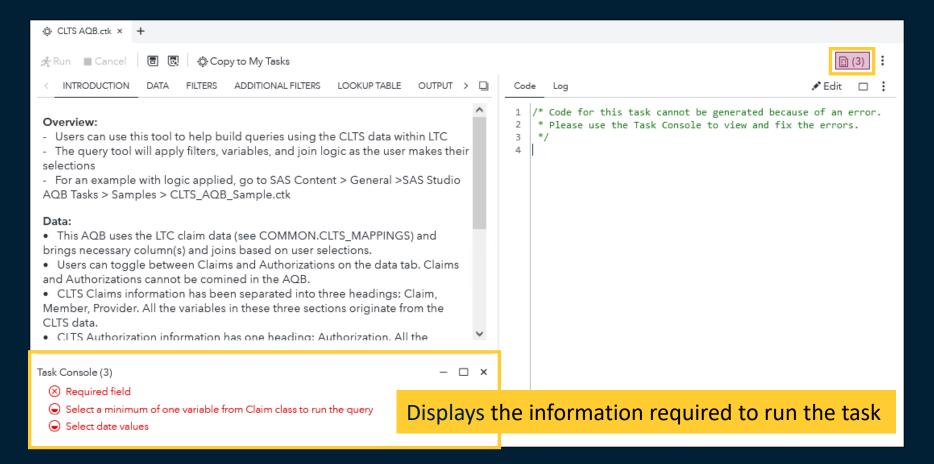
- On the far-left side of SAS Studio, click the second of the five icons to open the Explorer section in the navigation pane.
- Expand SAS Content > General > SAS Studio AQB Tasks.
- 3. Double-click the CLTS Advanced Query Builder task to open the task in a tab. The task will end with the extension of .ctk.

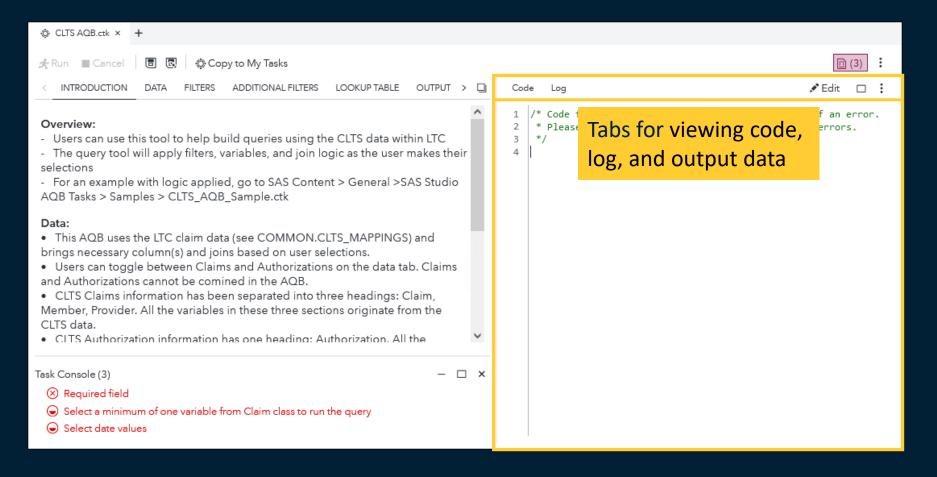




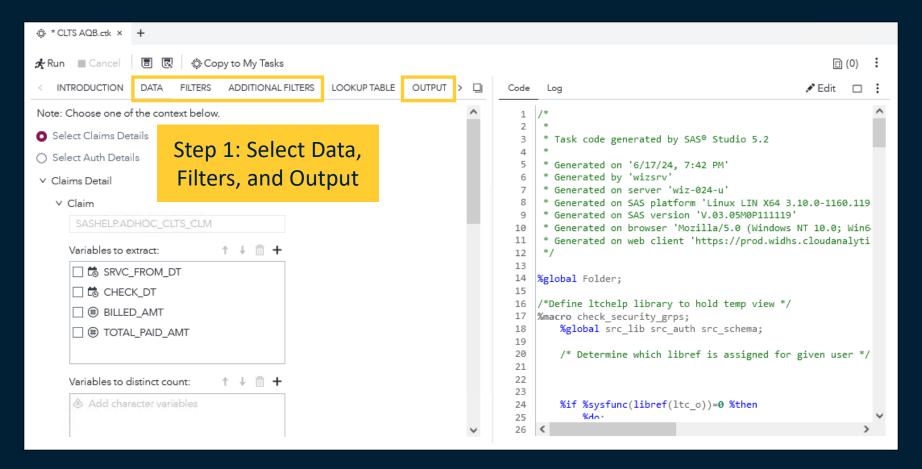




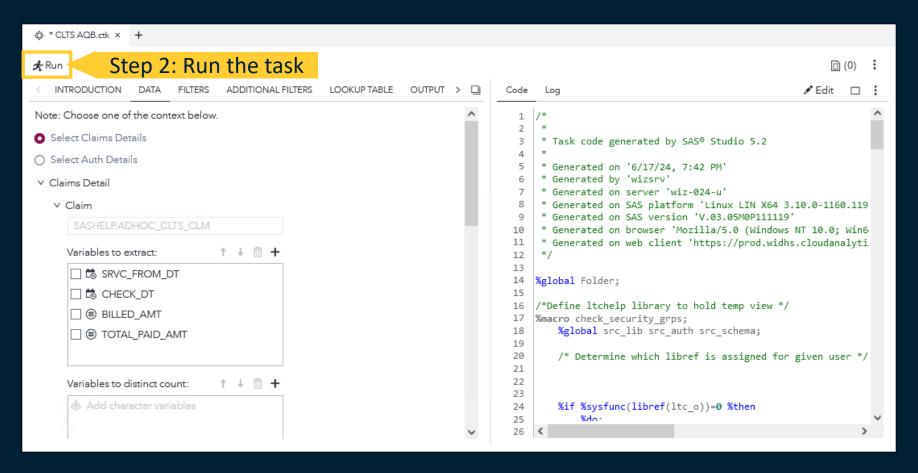




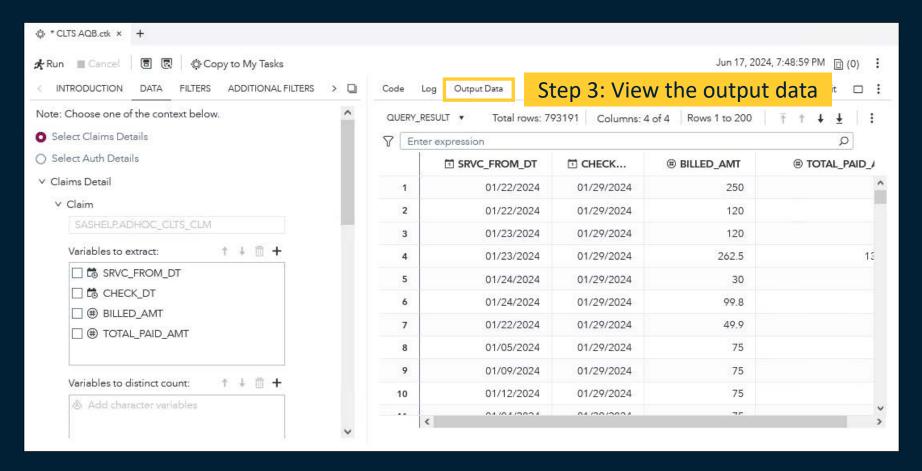
#### **CLTS AQB Steps**



#### **CLTS AQB Steps**



### **CLTS AQB Steps**



### Troubleshooting – Empty Output Data Tab

If your Output Data tab is empty but it shows the number of rows, click the down arrow after the table name of WORK.QUERY\_RESULT.



Click the table name in the menu box to refresh the Output Data tab.





# Using the CLTS AQB

#### DATA tab:

- Select Auth Details > Auth Detail > Authorization
- Variables to Extract: Amount Remaining and Used, Authorization Start and End Dates,
   Modifier Codes, Procedure Code, plus Units Approved, Remaining, and Used

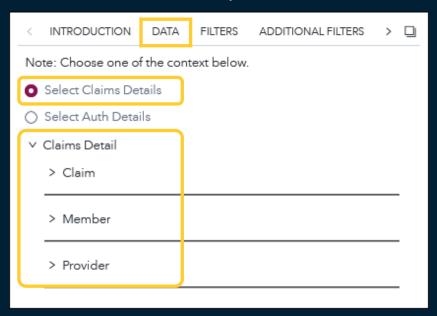
#### FILTERS tab:

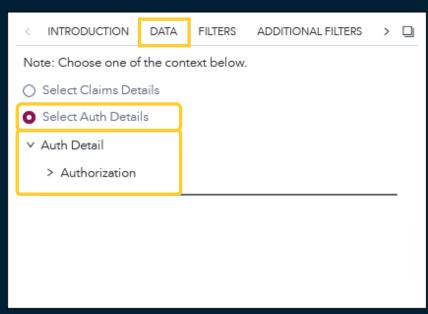
Select Date Filter: Authorization Start Between 01/01/2024 and 03/31/2024

Note: Since today's session is being recorded, the demo will not show any personally identifiable information or protected health information.

#### DATA Tab

From the DATA tab, you can select Claim Details or Auth Details.

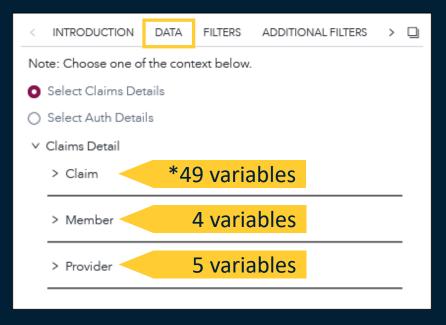


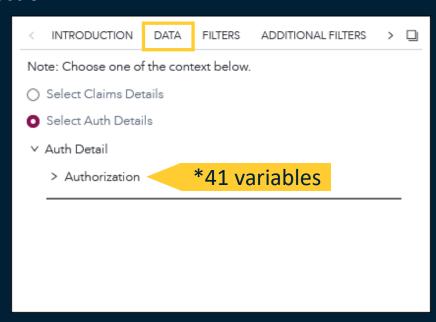


- > The Claims Details contain three data sections.
- > The Auth Details contain one data section.

#### DATA Tab

Variables can be selected from each data section.





- > 58 variables can be selected from Claim Details.
- > 41 variables can be selected from Auth Details.

\* At least one variable is required from these data sections.

### DATA Tab

Each data section contains five variable selection boxes.





### DATA Tab

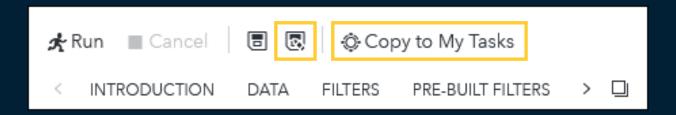
Behind-the-scenes, the variables that you select in the CLTS AQB are being pulled from 10 tables from the IESCLTS or IESDATA library.

10 Total Oracle Tables => 7 for Claim Details and 3 for Auth Details							
	Number of Columns						
EDW Table	Claim Details	Auth Details					
Total	58	41					
ADHOCMV_CLM_NUM	5						
CLTS_FACT_DTL	47						
CLTS_MBR_DOB_DRVD	1	-					
CLTS_SA_DTL	-	37					
CLTS_SA_HDR	-	1					
CLTS_SA_TRL	-	3					
ORGANIZATION	1	-					
REF_PRCDR	2	-					
REF_REVENUE	1	-					
REF_SPC	1						

Refer to the **Reference\_CLTS\_AQB** file located on the VLE for more information about the variables and the tables.

## Saving Your Selections

The selections you make within the Advanced Query Builder can be saved so that you can reuse the task with the selections later.



- ➤ With the **Copy to My Tasks**, you can save to the My Tasks location. To access the saved task with your selections, go to the **Tasks** section of the navigation pane and expand **My Tasks** to view your saved task.
- With the **Save As**, you can save to My Tasks but you also have the option to save to your My Folder. If you save to your My Folder, go to the **Explorer** section of the navigation pane and expand My Folder to view your saved task.



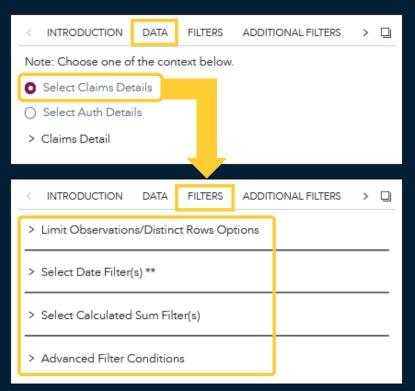
#### DATA tab:

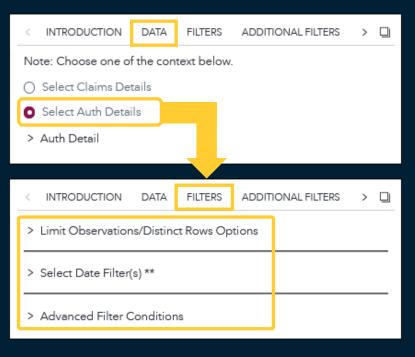
- Select Claims Details > Claims Detail > Claim
- Variables to Extract: Service From and To Dates, Check Date, Procedure Code and Long Description, LTS Code Description, plus Billed and Paid Amounts, Quantity

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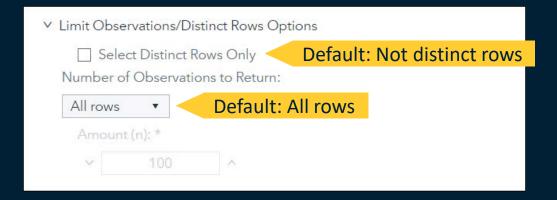
### FILTERS Tab

Your selection on the DATA tab controls which filter sections are available on the FILTERS tab.

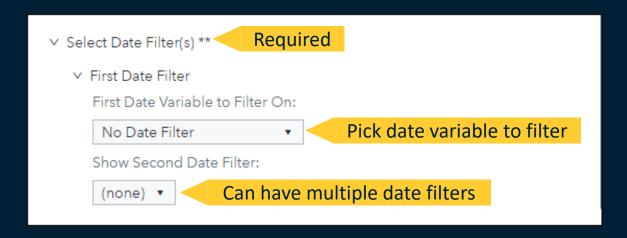




## **Limit Observations/Distinct Rows Options**



## Select Date Filter(s)



### Select Claims Details:

Payment Date

From Date of Service

To Date of Service

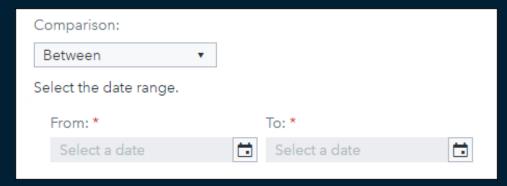
### Select Auth Details:

Authorization Start Date

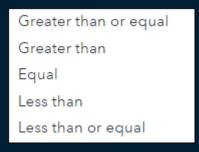
Authorization End Date

## Select Date Filter(s)

The default date comparison operator is the BETWEEN operator. This operator requires a FROM date and a TO date.

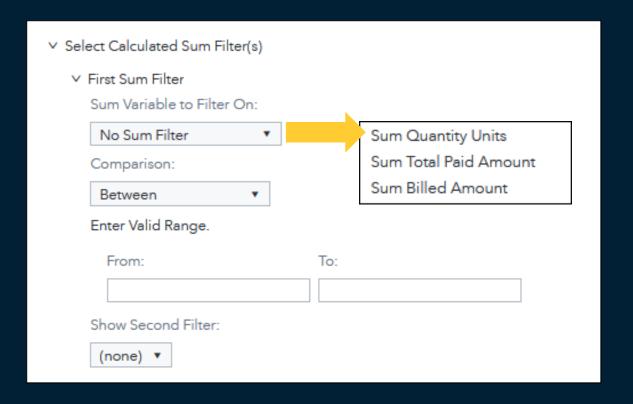


If you select a comparison operator other than BETWEEN, only one date box is show.





## Select Calculated Sum Filter(s) – (Claim Details Only)



## Select Calculated Sum Filter(s) – (Claim Details Only)

The columns of **SUM\_QUANTITY**, **SUM\_BILLED\_AMT**, and **SUM\_TOTAL\_PAID\_AMT** are calculated columns based on summing all the claim lines for a claim number.

CLAIM_NBR	CRF_SEQUENCE_NUM	CLAIM_ROWS	PAYEE_CD	QUANTITY	BILLED_AMT	TOTAL_PAID_AMT	SUM_QUANTITY	SUM_BILLED_AMT	SUM_TOTAL_PAID_AMT
1000	1	1	D	1	496.00	0.00	1	496.00	0.00
2000	1	1	Р	1	972.00	972.00	1	972.00	972.00
3000	1	2	Р	1	525.00	525.00	2	1050.00	525.00
3000	2	2	D	1	525.00	0.00	2	1050.00	525.00
4000	1	2	Р	24	101.59	100.80	36	152.38	151.20
4000	2	2	P	12	50.79	50.40	36	152.38	151.20
5000	1	4	Р	1	120.00	102.00	4	480.00	408.00
5000	2	4	P	1	120.00	102.00	4	480.00	408.00
5000	3	4	Р	1	120.00	102.00	4	480.00	408.00
5000	4	4	P	1	120.00	102.00	4	480.00	408.00

The **CLAIM\_ROWS** column displays the total number of claim lines for a claim number.

Note: Currently, county users cannot query the **SUM**\_ columns and the **CLAIM\_ROWS** column because you don't have permissions to access the **ADHOCMV\_CLM\_NUM** table.

### **Advanced Filter Conditions**

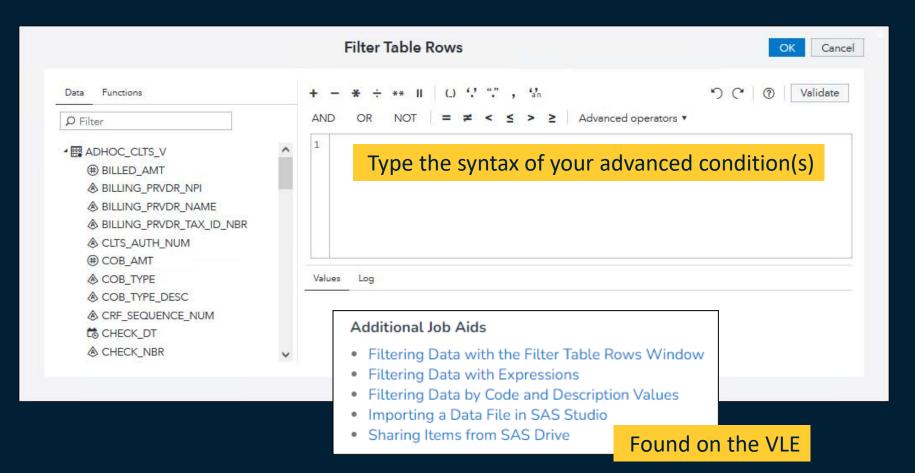
### Select Claims Details:



### Select Auth Details:



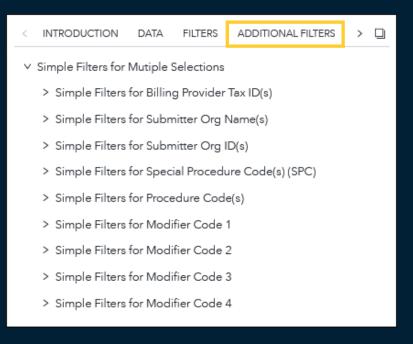
### **Advanced Filter Conditions**



#### ADDITIONAL FILTERS Tab

Your selection on the DATA tab controls which filter sections are available on the ADDITIONAL FILTERS tab.

#### Select Claims Details:

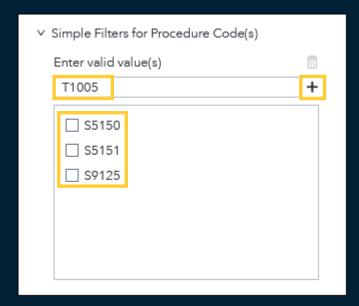


#### Select Auth Details:



## Simple Filters

For the simple filters, enter a value in the text field then click the plus sign to move the value to the text box. If needing to delete a value, put a check mark in the box before the value then click the trash can icon.



S5150 is Unskilled Respite Care / 15 min S5151 is Unskilled Respite Care / diem S9125 is Respite Care, in the home, per diem T1005 is Respite Care Service 15 min

PRCDR\_CD in in ('S5150','S5151', 'S9125', 'T1005');



#### FILTERS tab:

- Select Date Filter: From Date of Service Greater than or equal 05/01/2024
- Advanced Filter Conditions: LTS\_CD\_DESC='DD STATE' and Quantity<10</li>

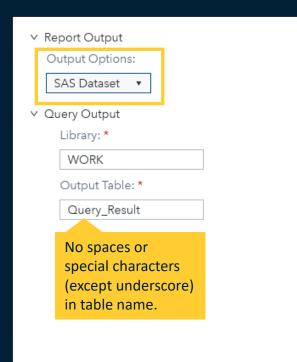
#### **ADDITIONAL FILTERS tab:**

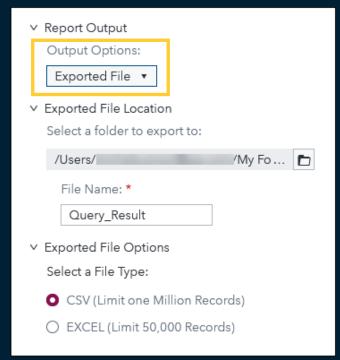
• Simple Filters for Procedure Code(s)
Respite codes: S5150, S5151, S9125, T1005

Note: Since today's session is being recorded, the demo will not show any personally identifiable information or protected health information.

#### **OUTPUT Tab**

From the OUTPUT tab, you can change from creating a SAS data set to an exported file of CSV or Excel. You will save the exported file to your My Folder location





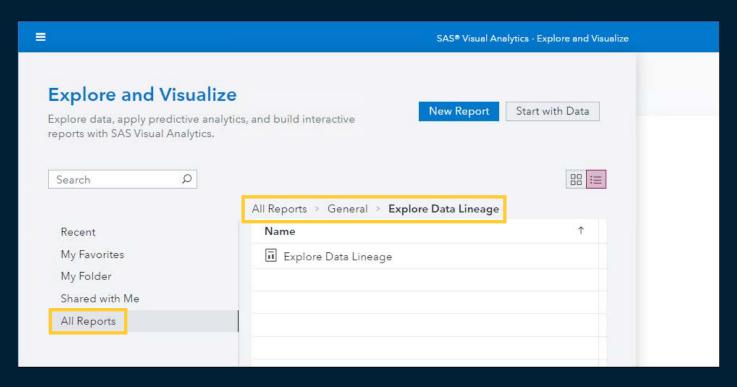
After running the query, you can download the exported file by going to the Explorer section, right-clicking on the file, and selecting **Download file** from the menu.



Note: Since today's session is being recorded, the demo will not show any personally identifiable information or protected health information.

## Mappings Data

You can view the CLTS AQB mappings data from the Explore Data Lineage Report in SAS Visual Analytics. The report is in the **General** folder.



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#### Explore Data Lineage

EDW Table Definitions EDV

=

...

EDW Data Dictionary

EDW Source to Target Mappings

EDW Table Lineage Network

View Mappings Crosswalk

Select a Type		Search for a Univers	e Class Search for a Object Name	Select a Target Table		le	Select a Target Column Search		a word in Target Column Description	
CLTS •		Enter Universe Class Enter Object Name			Enter Target Table		Enter Target Column Name Enter S		earch a word in Target Column Description	
Туре	Target Table	Universe Class	Object Name	Target Column Nar	ne 🔺 T	arget Column	Description		Source Table	Source Column
CLTS	ADHOC_CLTS_AUTH_V	CLTS Data Attributes	Amount Remaining	Amt_Remaining		Amount not used based on the initial authorization amount minus the amount billed and paid at the time of the file submission to DHS.		s the	CLTS_SA_DTL	REMAIN_AMT
CLTS	ADHOC_CLTS_AUTH_V	CLTS D tributes	Ams	Amt_Used		ount used and paid for concerning this authorization at the time of the mission to DHS		ne of the	CLTS	USER
CLTS	ADHOC_CLTS_AUTH_V		ate	Auth		the service is authorized to perform				
CLTS	ADHOC_CLTS_AUTH_V	Business Objects reference		Auth AQB reference		he units and/or dollars are authorized on the PA line item 1. TOTAL = Dollar amount 2. MEMBER = Dollar amount DUNT = Max dollar amount to pay 4. * RATE = Dollar t 5. CASEMGMT = Dollar amount per unit.		EDW reference		
CLTS	ADHOC_CLTS_AUTH_V	CLTS Data Attributes	Authorization Start Date	Authorization_Start	_Dt T	The earliest date the service is authorized to be performed.		CLTS_SA_DTL	AUTHRZTN_START_DT	
CLTS	ADHOC_CLTS_AUTH_V	CLTS Data Attributes	Authorized Rate Amount	Authorized_Rate_A	ımt F	t Fee rate for the procedure/service.		CLTS_SA_DTL	RATE_AMT	
CLTS	ADHOC_CLTS_AUTH_V	CLTS Data Attributes	County the Authorization is Serviced in	Authorized_Srvc_C	Field is not received on the inbound file. WPS system auto assigns '999' to each inbound authorization.		CLTS_SA_DTL	CNTY_CD_TXT		
CLTS	ADHOC_CLTS_V	CLTS Data Attributes	Billed Amount	Billed_Amt	The total amount billed /charged.			CLTS_FACT_DTL	BILLD_AMT	
CLTS	ADHOC_CIZTH_V	Provider	Billing Provider ID Qualifier	Billing_Prvdr_ID_Q			value is provided in the Billing Provider ID field.V EIN, 34=SSN, XX=NPI or CO=locally assigned ID.	alid	CLTS_SA_DTL	PRVDR_BILLING_ID_QLF YR
			Billing Provider MAID (Medicaid ID)	Billing_Prvdr_MAID		The Provider ID egistered.	assigned by the MMIS system at the time the pro-	vider is	CLTS_SA_DTL	PRVDR_BILLING_MDCD_I D
How to pick between Clai			Billing Provider Name	Billing_Prvdr_Name	e S	ervicing Provid	der Name.		CLTS_FACT_DTL	PRVDR_BILLING_NAME
			Billing Provider NPI	Billing_Prvdr_NPI					CLTS_FACT_DTL	PRVDR_BILLING_NPI
		ms	Billing Provider Tax ID Number	Billing_Prvdr_Tax_II	D_Nbr E	Billing Provider	Tax ID / SSN / EIN Number.		CLTS_FACT_DTL	PRVDR_TAX_ID_NUM
			Check Date	Check_Dt		Date claim line	was paid / rejected / denied.		CLTS_FACT_DTL	CHK_DT
De	tails (CLTS	a Attributes	Check Number	Check_Nbr	Т	he Check Nun	nber.		CLTS_FACT_DTL	CHK_NUM
	•	a Attributes	Claim Number	Claim_Nbr	Т	he Claim Num	ber.		CLTS_FACT_DTL	CLM_NUM
or	<b>Auth Deta</b>	Sures	Claim Rows	Claim_Rows	A	A count of clain	n lines		ADHOCMV_CLM_NUM	CLAIM_ROWS
(CI	TS_AUTH)	a Attributes	CLTS Auth Num	CLTS_Auth_Num	C A t	CLTS group. Th CLTS group dic Authorization re he claim Aut	uthorization Number. Contains the value assigned is field will be spaces when one of the following is in not submit their Authorization Number on the secord - Authorization record could not be found to norization record was manually entered by WPS, a CLTS Auth number to enter.	true	CLTS_FACT_DTL	CLTS_AUTH_NUM



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## Advanced Query Builder Documentation



https://vle.sas.com/course/view.php?id=8045

SAS Training Kickoff for Advanced Query Builders (19APR2023): Presentation / Recording / Q&A

#### **General Training Content**

#### Job Aids

- Using Advanced Query Builders
- EDW Data FAOs

#### Additional Job Aids

- · Filtering Data with the Filter Table Rows Window
- Filtering Data with Expressions
- Filtering Data by Code and Description Values
- · Importing a Data File in SAS Studio
- · Sharing Items from SAS Drive

#### Domain Specific Documentation and Recordings

#### MMIS Data Library

- Benefit Plan Administration (BPA) Rules
- **Budget Monitor**
- Capitation
- Claim
- Drua
- Member
- Prior Authorization
- Provider
- Third Party Liability
- Third Party Liability Accounts Receivable

#### IES Data Library

- Children's Long-Term Support Program (CLTS)
- LTC Encounters (dates of service before 01/01/2024)

# Thank you for attending!

EDWDARtraining@sas.com

To learn more and get assistance with the CLTS Reports and AQB, email <a href="mailto:EDWDARtraining@sas.com">EDWDARtraining@sas.com</a> to request a training office hour.