



Data Visualization stream – DV09

Oversight and Insight within a Fast-Moving Biotech Company

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Oversight and Insight within a Fast-Moving Biotech Company

- **COMPANY OVERVIEW**
- **TRIAL OVERSIGHT**
- **INSIGHT GENERATION**
- **KEY LEARNINGS**



Company

Overview

argenx 

We are on a **bold mission**

Transforming the lives of patients with
severe autoimmune disease through
immunology innovation

Redefining Autoimmune Diseases With Precision Medicine Approach

Autoimmunity
is Prime for
REVOLUTION

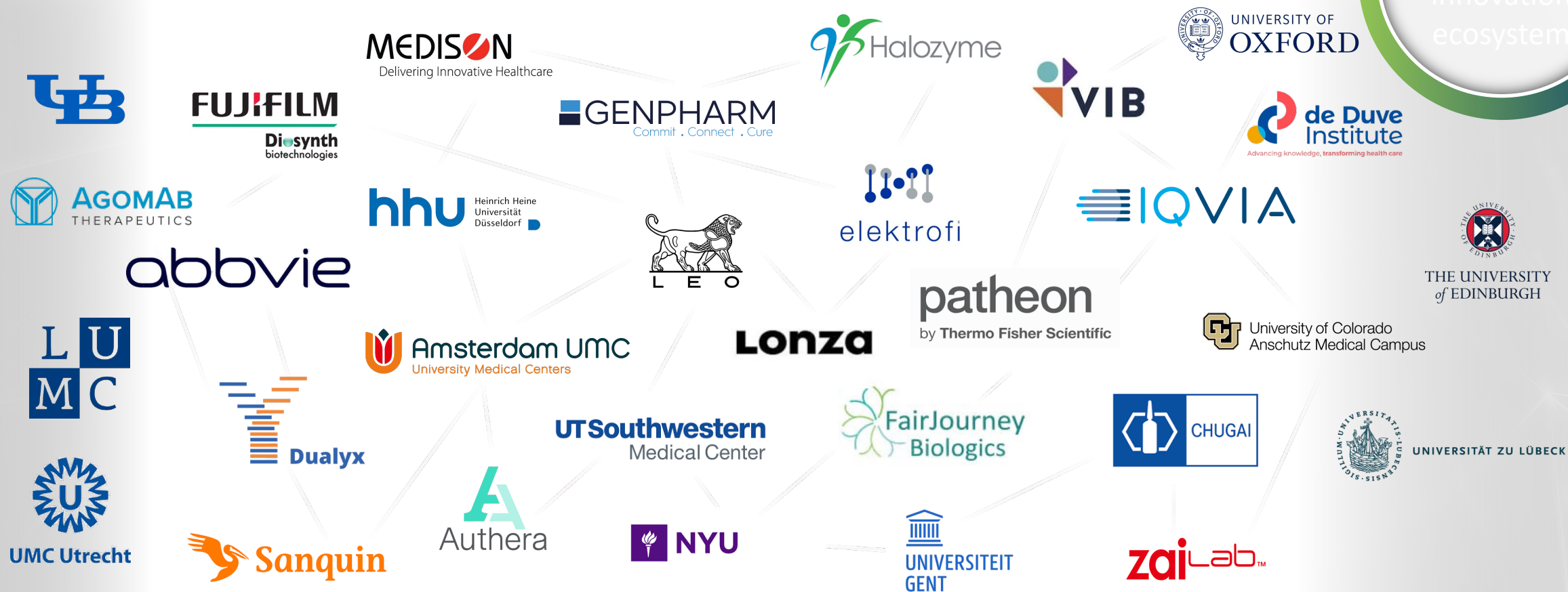
A pipeline of **precision tools**

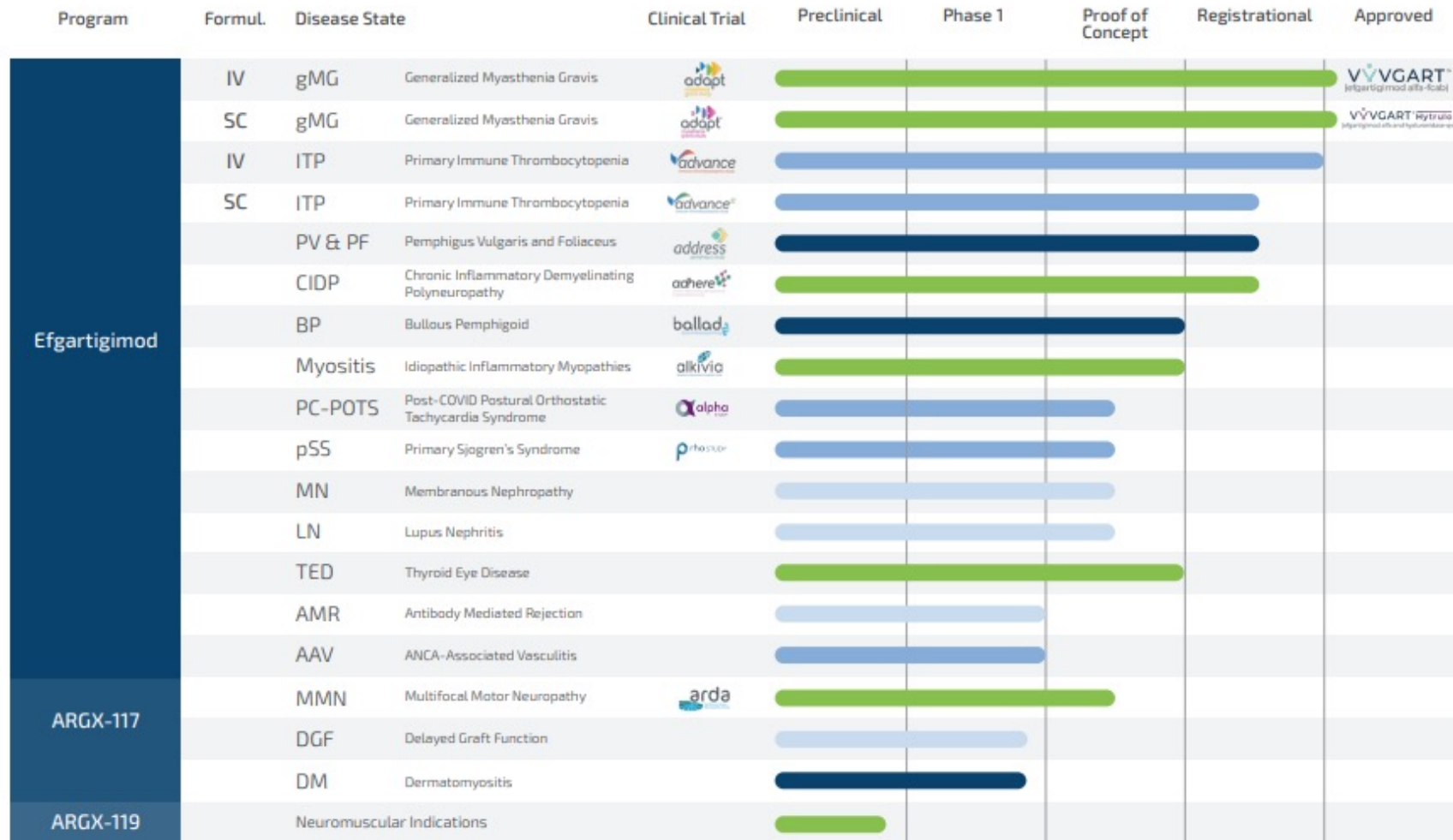
Redefine our pipeline of autoimmune diseases as
IgG-mediated or complement-driven

Offer **new targeted treatment** modality in diseases
where **innovation** is most needed

Innovation Ecosystem

discovery







FUTURE
SO BRIC

OVERSIGHT

Data Visualization and Tracking of findings
for improved Trial Oversight

argenx 

2019 – 2021: Establishing a strong foundation for efficiency, scalability and de-risking staff dependency within Clinical Development

**Structured
Data Repository
&
Statistical Computing
Environment**



**Clinical
Metadata
Repository**

Partner Eco System:
SAS Institute & OCS Consulting

Solution:
**SAS Life Science Analytics Framework
(SAS LSAF)**

**Establishment
Cross Functional
Standards Governance
Team**

Partner Eco System:
Formedix

Solution:
Ryze

Near Real Time Data Flow (2022-2023)

AS IS

MONTHLY SDTM delivery by DM-CRO partners

- Trial Oversight by argenx DM
- **Generic ADaM** and Patient Profiles by argenx QS
- Medical Review using DM-CRO listings, Patient profiles and Data Visualizations

TO BE

+ **WEEKLY** (or *DAILY if required*) **Generic SDTM** creation by argenx DM facilitates...

- Improved Trial Oversight by argenx DM
- Weekly **Generic ADaM** and Patient Profiles by argenx QS
- Medical Review on near-real time data (weekly instead of monthly)
- Supports also Improved Trial Oversight for argenx Sample Managers



Near Real Time Data Flow (2022-2023)

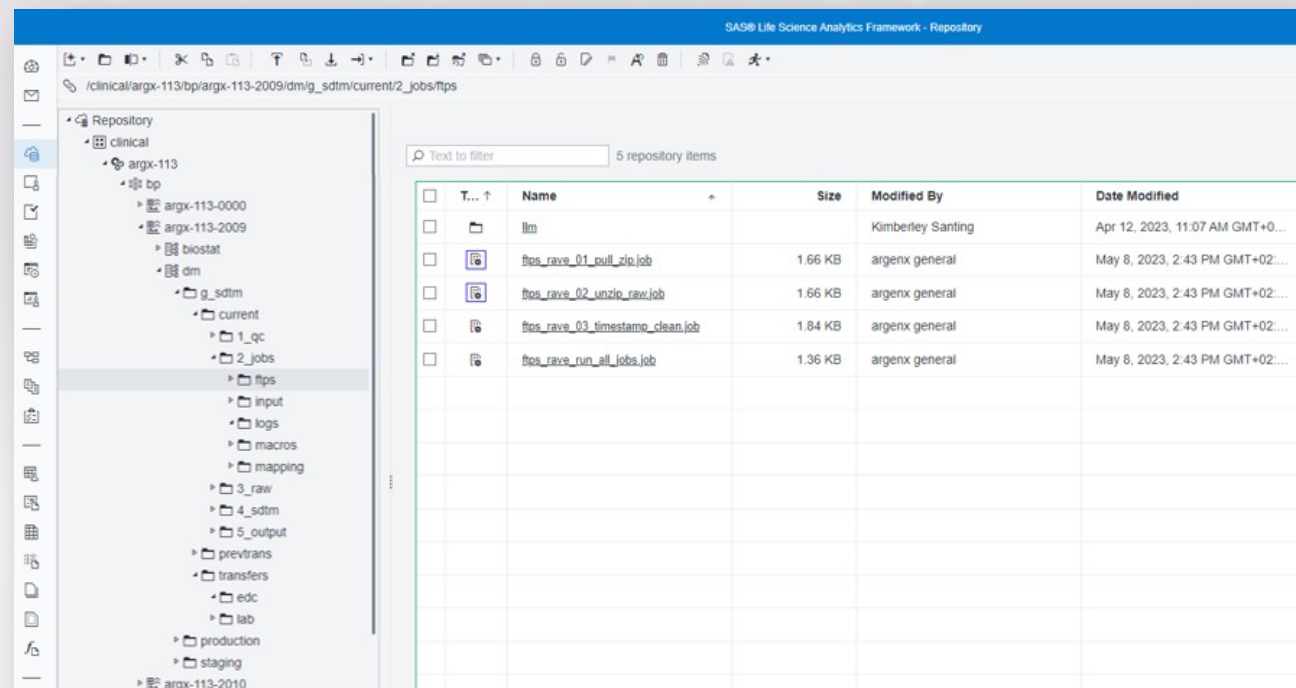
PHASE I of the project

EDC Raw Data Pull

From Medidata Rave into SAS LSAF
for multiple DM-CRO partners

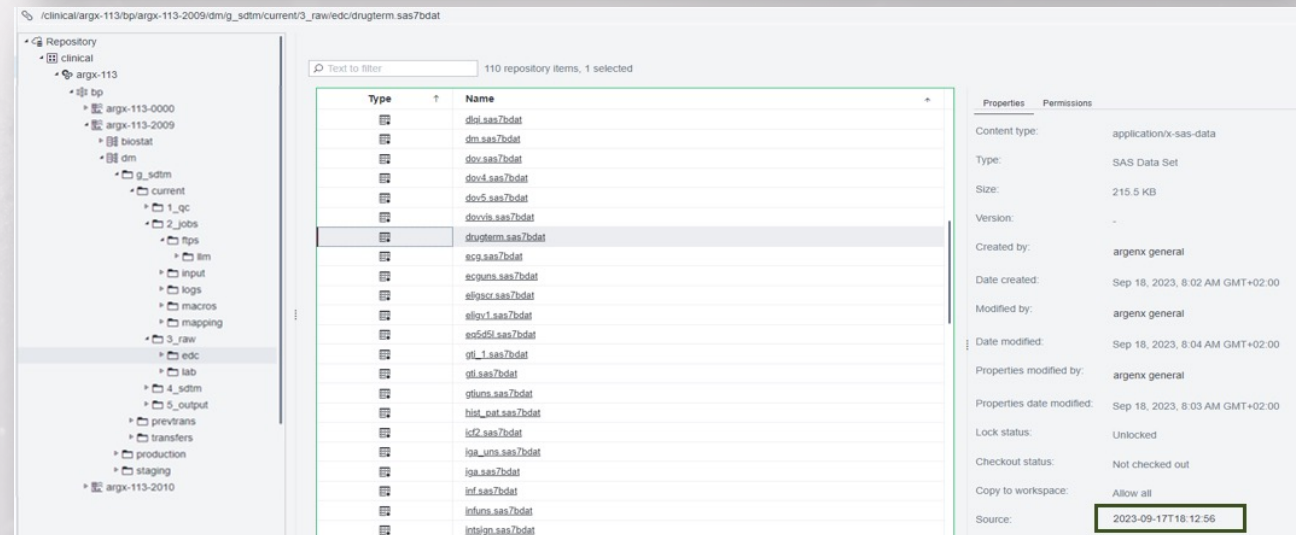
(weekly/daily)

... working also on pulling in external
data starting with central labs.



The screenshot shows the SAS Life Science Analytics Framework - Repository interface. On the left, a file tree displays the hierarchy: Repository > clinical > argx-113 > bp > argx-113-0000 > argx-113-2009 > biostat > dm > g_sdtm > current > 2_jobs > ftps. The 'ftps' folder is selected. On the right, a table lists 5 repository items. The table has columns: Name, Size, Modified By, and Date Modified. The items are: 'llm' (Kimberley Santing, Apr 12, 2023), 'ftps_rave_01_cull_zip.job' (argenx general, May 8, 2023), 'ftps_rave_02_unzip_raw.job' (argenx general, May 8, 2023), 'ftps_rave_03_timestamp_clean.job' (argenx general, May 8, 2023), and 'ftps_rave_run_all_jobs.job' (argenx general, May 8, 2023).

Name	Size	Modified By	Date Modified
llm		Kimberley Santing	Apr 12, 2023, 11:07 AM GMT+0...
ftps_rave_01_cull_zip.job	1.66 KB	argenx general	May 8, 2023, 2:43 PM GMT+02...
ftps_rave_02_unzip_raw.job	1.66 KB	argenx general	May 8, 2023, 2:43 PM GMT+02...
ftps_rave_03_timestamp_clean.job	1.84 KB	argenx general	May 8, 2023, 2:43 PM GMT+02...
ftps_rave_run_all_jobs.job	1.36 KB	argenx general	May 8, 2023, 2:43 PM GMT+02...



The screenshot shows the SAS Life Science Analytics Framework - Repository interface. On the left, a file tree displays the hierarchy: Repository > clinical > argx-113 > bp > argx-113-0000 > argx-113-2009 > biostat > dm > g_sdtm > current > 3_raw > edc. The 'edc' folder is selected. On the right, a table lists 110 repository items. The table has columns: Type, Name, and Date Modified. The items are: 'dcl.sas7bdat', 'dm.sas7bdat', 'dov.sas7bdat', 'dov4.sas7bdat', 'dov5.sas7bdat', 'dov6.sas7bdat', 'dovterm.sas7bdat', 'ecp.sas7bdat', 'ecpms.sas7bdat', 'efpocr.sas7bdat', 'efpvc1.sas7bdat', 'efpvc2.sas7bdat', 'efpvc3.sas7bdat', 'efpvc4.sas7bdat', 'efpvc5.sas7bdat', 'efpvc6.sas7bdat', 'efpvc7.sas7bdat', 'efpvc8.sas7bdat', 'efpvc9.sas7bdat', 'efpvc10.sas7bdat', 'efpvc11.sas7bdat', 'efpvc12.sas7bdat', 'efpvc13.sas7bdat', 'efpvc14.sas7bdat', 'efpvc15.sas7bdat', 'efpvc16.sas7bdat', 'efpvc17.sas7bdat', 'efpvc18.sas7bdat', 'efpvc19.sas7bdat', 'efpvc20.sas7bdat', 'efpvc21.sas7bdat', 'efpvc22.sas7bdat', 'efpvc23.sas7bdat', 'efpvc24.sas7bdat', 'efpvc25.sas7bdat', 'efpvc26.sas7bdat', 'efpvc27.sas7bdat', 'efpvc28.sas7bdat', 'efpvc29.sas7bdat', 'efpvc30.sas7bdat', 'efpvc31.sas7bdat', 'efpvc32.sas7bdat', 'efpvc33.sas7bdat', 'efpvc34.sas7bdat', 'efpvc35.sas7bdat', 'efpvc36.sas7bdat', 'efpvc37.sas7bdat', 'efpvc38.sas7bdat', 'efpvc39.sas7bdat', 'efpvc40.sas7bdat', 'efpvc41.sas7bdat', 'efpvc42.sas7bdat', 'efpvc43.sas7bdat', 'efpvc44.sas7bdat', 'efpvc45.sas7bdat', 'efpvc46.sas7bdat', 'efpvc47.sas7bdat', 'efpvc48.sas7bdat', 'efpvc49.sas7bdat', 'efpvc50.sas7bdat', 'efpvc51.sas7bdat', 'efpvc52.sas7bdat', 'efpvc53.sas7bdat', 'efpvc54.sas7bdat', 'efpvc55.sas7bdat', 'efpvc56.sas7bdat', 'efpvc57.sas7bdat', 'efpvc58.sas7bdat', 'efpvc59.sas7bdat', 'efpvc60.sas7bdat', 'efpvc61.sas7bdat', 'efpvc62.sas7bdat', 'efpvc63.sas7bdat', 'efpvc64.sas7bdat', 'efpvc65.sas7bdat', 'efpvc66.sas7bdat', 'efpvc67.sas7bdat', 'efpvc68.sas7bdat', 'efpvc69.sas7bdat', 'efpvc70.sas7bdat', 'efpvc71.sas7bdat', 'efpvc72.sas7bdat', 'efpvc73.sas7bdat', 'efpvc74.sas7bdat', 'efpvc75.sas7bdat', 'efpvc76.sas7bdat', 'efpvc77.sas7bdat', 'efpvc78.sas7bdat', 'efpvc79.sas7bdat', 'efpvc80.sas7bdat', 'efpvc81.sas7bdat', 'efpvc82.sas7bdat', 'efpvc83.sas7bdat', 'efpvc84.sas7bdat', 'efpvc85.sas7bdat', 'efpvc86.sas7bdat', 'efpvc87.sas7bdat', 'efpvc88.sas7bdat', 'efpvc89.sas7bdat', 'efpvc90.sas7bdat', 'efpvc91.sas7bdat', 'efpvc92.sas7bdat', 'efpvc93.sas7bdat', 'efpvc94.sas7bdat', 'efpvc95.sas7bdat', 'efpvc96.sas7bdat', 'efpvc97.sas7bdat', 'efpvc98.sas7bdat', 'efpvc99.sas7bdat', 'efpvc100.sas7bdat', 'efpvc101.sas7bdat', 'efpvc102.sas7bdat', 'efpvc103.sas7bdat', 'efpvc104.sas7bdat', 'efpvc105.sas7bdat', 'efpvc106.sas7bdat', 'efpvc107.sas7bdat', 'efpvc108.sas7bdat', 'efpvc109.sas7bdat', 'efpvc110.sas7bdat'. On the right, a properties panel shows details for the selected item 'dovterm.sas7bdat'. The properties include: Content type: application/x-sas-data, Type: SAS Data Set, Size: 215.5 KB, Version: -, Created by: argenx general, Date created: Sep 18, 2023, 8:02 AM GMT+02:00, Modified by: argenx general, Date modified: Sep 18, 2023, 8:04 AM GMT+02:00, Properties modified by: argenx general, Properties date modified: Sep 18, 2023, 8:03 AM GMT+02:00, Lock status: Unlocked, Checkout status: Not checked out, Copy to workspace: Allow all, Source: 2023-09-17T18:12:56.

Type	Name	Date Modified
	dcl.sas7bdat	
	dm.sas7bdat	
	dov.sas7bdat	
	dov4.sas7bdat	
	dov5.sas7bdat	
	dov6.sas7bdat	
	dovterm.sas7bdat	
	ecp.sas7bdat	
	ecpms.sas7bdat	
	efpocr.sas7bdat	
	efpvc1.sas7bdat	
	efpvc2.sas7bdat	
	efpvc3.sas7bdat	
	efpvc4.sas7bdat	
	efpvc5.sas7bdat	
	efpvc6.sas7bdat	
	efpvc7.sas7bdat	
	efpvc8.sas7bdat	
	efpvc9.sas7bdat	
	efpvc10.sas7bdat	
	efpvc11.sas7bdat	
	efpvc12.sas7bdat	
	efpvc13.sas7bdat	
	efpvc14.sas7bdat	
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	efpvc107.sas7bdat	
	efpvc108.sas7bdat	
	efpvc109.sas7bdat	
	efpvc110.sas7bdat	

Properties

Content type: application/x-sas-data

Type: SAS Data Set

Size: 215.5 KB

Version: -

Created by: argenx general

Date created: Sep 18, 2023, 8:02 AM GMT+02:00

Modified by: argenx general

Date modified: Sep 18, 2023, 8:04 AM GMT+02:00

Properties modified by: argenx general

Properties date modified: Sep 18, 2023, 8:03 AM GMT+02:00

Lock status: Unlocked

Checkout status: Not checked out

Copy to workspace: Allow all

Source: 2023-09-17T18:12:56

Near Real Time Data Flow (2022-2023)

PHASE II of the project

Creation of generic SDTM [gSDTM]

(weekly/daily)

Mapping Engine for gSDTM within SAS LSAF

- ✓ Selection partner / solution (Q4 2022)
- ✓ Development MVP (Q1 2023)

Including 5 pilot trials

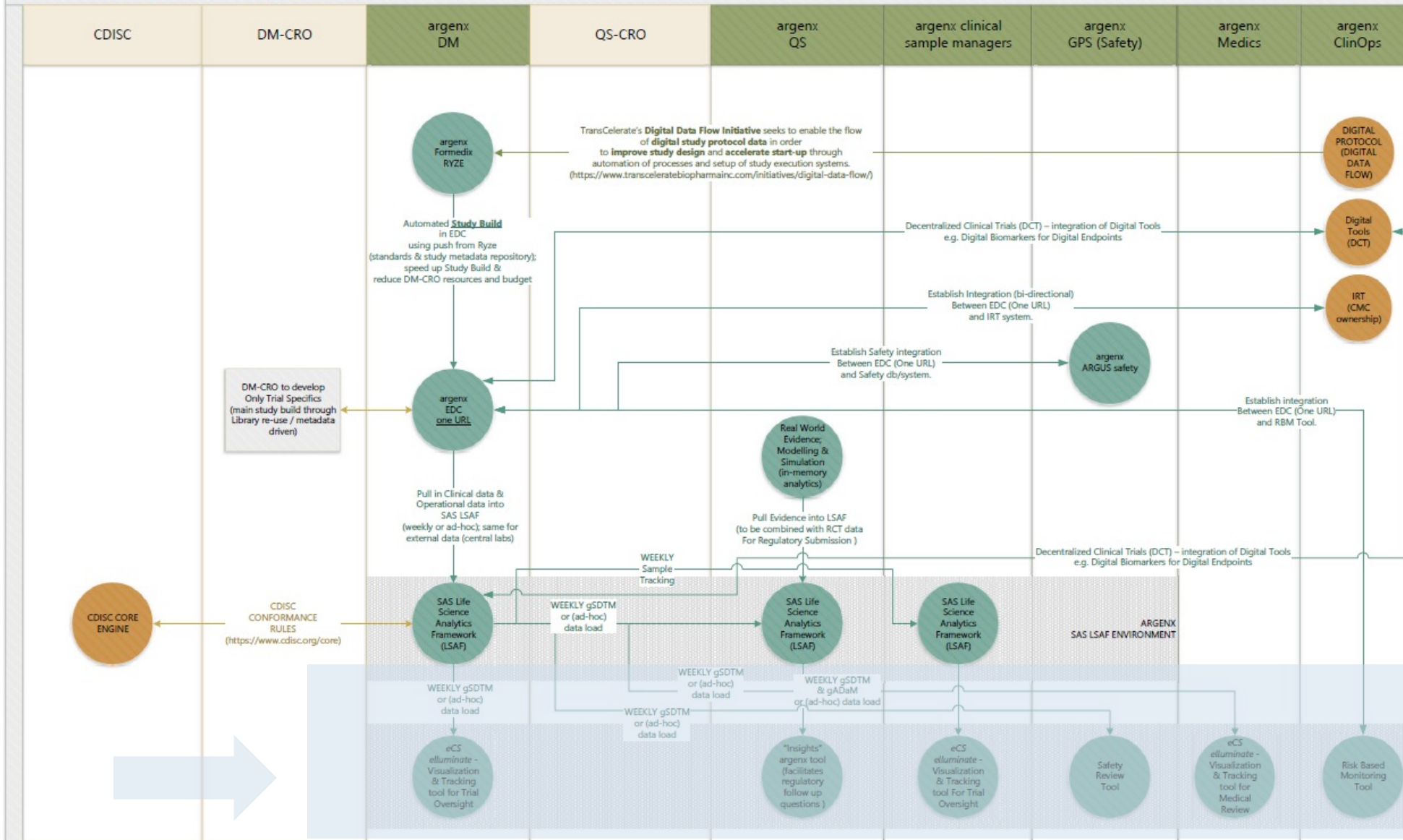
priority domains DM, EC/EX, DS, AE, CM, T-DOMAINS



- ✓ Scaling to other domains and ALL ongoing & new argenx trials

DATA FLOW "TO BE" [STEADY STATE systems landscape by 2023/2024]

Metadata Driven Standards Approach



0001-001

Subjects5353

Queries10342

Issues8879

RBQM

eIQ Review

Visualizations

Data

Clinical

Coding

Combined_Coding_Listings

RPT_MedDRA

ePRO

Exception Listings

External Data

External Labs

Labs

Reconciliation

Safety

Wearable data

20

Domain Name	Domain Label	Data Store Name	Total Records	Records Reviewed	Records Updated Since Review	Records To Review	Records To Review Percent	Total Records All Roles	Records
AE	Adverse Events	Clinical	165	6	0	159	96.3	495	
AE Outcome is not recovered at Grac	AE Outcome is not recovered at ...	Exception Listings	67	0	0	67	100	134	
AEDrugWithdrawn	AEDrugWithdrawn	Exception Listings	0	0	0	0	0	0	
AEUncoded	Uncoded AE Terms	Exception Listings	58	0	0	58	100	116	
CM	Concomitant Medication	Clinical	184	2	3	182	98.9	552	
Combined_Coding_Listings	Combined_Coding_Listings	Coding	2062	74	0	1988	96.4	6186	
Dose Adjustment on AE	Dose Adjustment on AE	Exception Listings	20	0	10	20	100	60	
DS	End of Study	Clinical	37	30	0	7	18.9	74	
EDC vs EXT ECG Reconcile	EDC vs EXT ECG Reconcile	Reconciliation	249	0	0	249	100	498	
EDC_EXT_LAB_Reconciliation	EDC vs EXT LAB Reconciliation	Reconciliation	166	0	0	166	100	332	
EX	Study Drug Dosing	Clinical	350	0	0	350	100	1050	

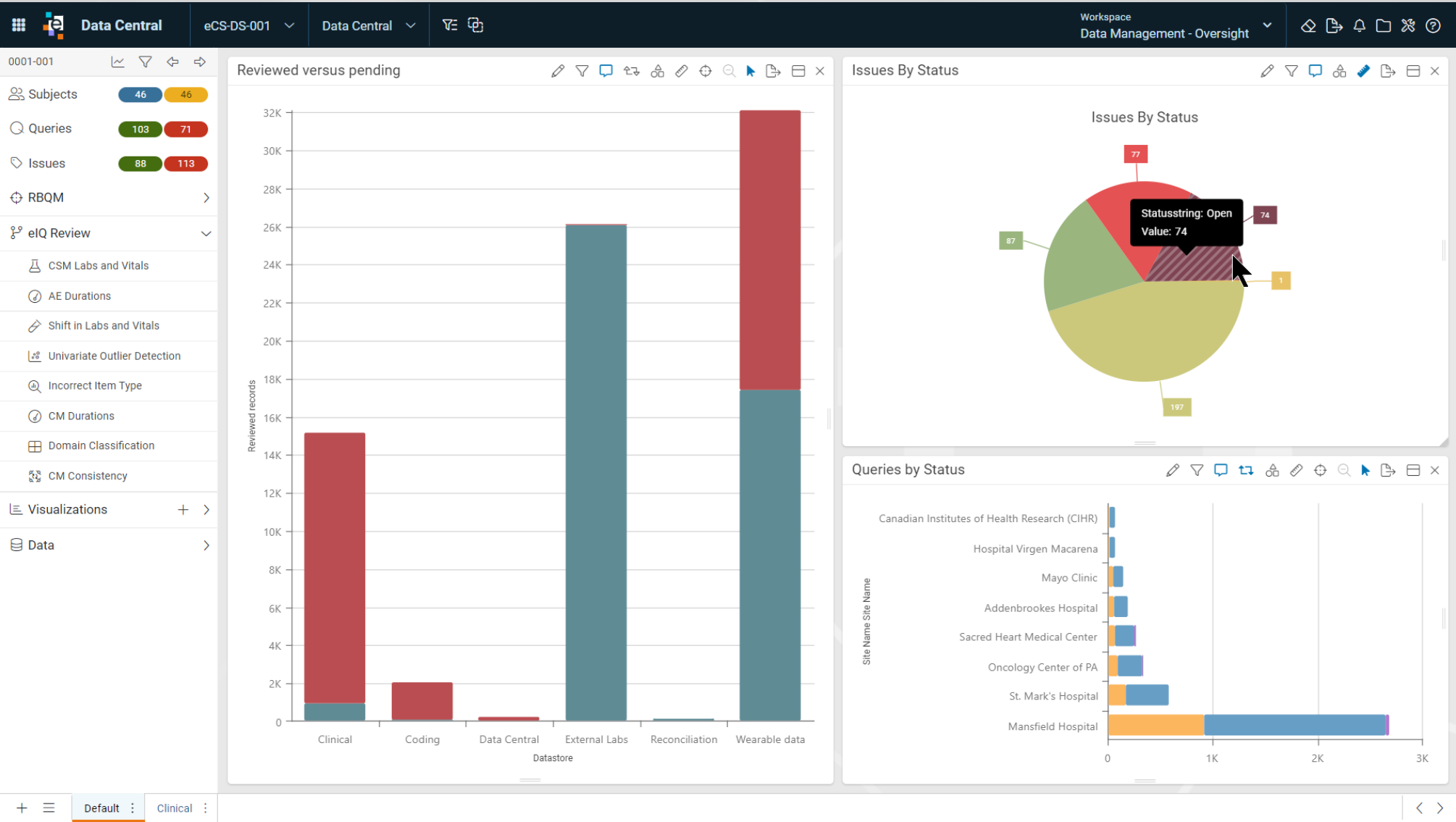
Queries145

Site	Subject	Folder	Form	Field	Lat
Mansfield Hospital	0001-001	AE	Adverse Events	AETERM	Rej
Mansfield Hospital	0001-001	AE	Adverse Events	AETERM	Rej
Mansfield Hospital	0001-002	AE	Adverse Events	AETERM	Rej
Mansfield Hospital	0001-001	AE	Adverse Events	AETERM	Rej
Mansfield Hospital	0001-001	AE	Adverse Events	AETERM	Rej
Mansfield Hospital	0001-001	AE	Adverse Events	AETERM	Rej
Mansfield Hospital	0001-001	AE	Adverse Events	AETOXGR	Sta
Mansfield Hospital	0001-001	AE	Adverse Events	AETOXGR	Sta
Mansfield Hospital	0001-002	AE	Adverse Events	AEREL	Rel
Mansfield Hospital	0001-005	AE	Adverse Events	AETOXGR	Sta
Mansfield Hospital	0001-002	AE	Adverse Events	AETOXGR	Sta
Mansfield Hospital	0001-002	AE	Adverse Events	AETERM	Rej
Mansfield Hospital	0001-001	AE	Adverse Events	AETERM	Rej
Mansfield Hospital	0001-001	AE	Adverse Events	AETERM	Rej
Mansfield Hospital	0001-004	AE	Adverse Events	AEONGO	On
St. Mark's Hospital	0002-003	SUBJECT	Study Drug Dosing	EXREAS	Re
Oncology Center of PA	0003-002	SCN	Chemistry (complete)	CRP	C-F
Oncology Center of PA	0003-002	C1D1	Pharmacokinetic Blood Sample	PCND	no

Issues444

Type	Site	Subject	Reviewer Role	Domain	Variab
1 Subject	-	-	Data Manager		
Record	0001	0001-002	Data Manager	Adverse Events	AEREL
Record	0001	0001-004	Data Manager	Adverse Events	
Record	Mansfield Hospital	0001-004	Data Manager	Adverse Events	
Subject	-	0001-004	Data Manager		
Study	-	-	Data Manager		
Study	-	-	Data Manager		
Record	0002	0002-005	Medical Data Reviewer	DOSE_ADJUSTMENT_ON_AE	
Record	0001	0001-007	Medical Data Reviewer	DOSE_ADJUSTMENT_ON_AE	
2 Record	0001	0001-002	Data Manager	ECOG	
Study	-	-	Data Manager		
1 Record	-	0016-008	Data Manager	EDC vs EXT LAB Reconciliation	
3 Record	0001	0001-002	Data Manager	Adverse Events	
Record	0001	0001-001	Data Manager	Adverse Events	
Study	-	-	Data Manager		
Record	0001	0001-001	Medical Data Reviewer	Adverse Events	AETER
Record	0001	0001-003	Medical Data Reviewer	Adverse Events	AETER

2023 – 2024: Data Visualization & Tracking of findings for improved Trial Oversight



Review Tracking & Collaboration

Data Central eCS-DS-001 Data Central Workspace To-do (Data Manager)

0001-001

Subjects 46 46
Queries 103 71
Issues 88 113
RBQM
elQ Review
Visualizations

Clinical: AE 137

Reported Term for the Adverse E... DM MM SaM SiteNumber Subject name or identifier Site name Start Date End

NEUTROPHIL COUNT DECREASED 0 3 0 0001 0001-001 Mansfield Hospital 23/03/2021 00:00:00 09/C
HYPOKALEMIA 0 3 0 0001 0001-002 Mansfield Hospital 28/02/2021 00:00:00 26/C
OSTEOPOROSIS 1 0 1 0 0001 0001-002 Mansfield Hospital 04/04/2021 00:00:00 23/C
BROKEN LEFT WRIST 0 2 0 0001 0001-002 Mansfield Hospital 03/03/2021 00:00:00
PLATELET COUNT DECREASED 0 1 0 0001 0001-002 Mansfield Hospital 23/04/2021 00:00:00 08/C
CONSTIPATION 0 0 0 0001 0001-003 Mansfield Hospital 01/06/2020 00:00:00 03/C
WORSENING ANEMIA 0 0 0 0001 0001-005 Mansfield Hospital 17/05/2021 00:00:00 15/C
INSOMNIA 0 0 0 0001 0001-005 Mansfield Hospital 10/04/2021 00:00:00
WORSENING ABDOMINAL PAIN 0 0 0 0001 0001-005 Mansfield Hospital 15/07/2021 00:00:00 16/C
WEIGHT LOSS 0 0 0 0001 0001-007 Mansfield Hospital 05/08/2021 00:00:00
INCREASED CHOLESTEROL 0 0 0 0001 0001-007 Mansfield Hospital 05/08/2021 00:00:00 02/C
WEAKNESS 0 0 0 0001 0001-007 Mansfield Hospital 08/08/2021 00:00:00
WORSENING LOW BACK PAIN 0 0 0 0001 0001-007 Mansfield Hospital 10/09/2021 00:00:00
LEFT KNEE PAIN 0 0 0 0001 0001-007 Mansfield Hospital 01/10/2021 00:00:00
FALL 0 0 0 0001 0001-008 Mansfield Hospital 10/04/2021 00:00:00 10/C
LOW BACK PAIN 0 0 0 0001 0001-008 Mansfield Hospital 02/03/2021 00:00:00 02/C
LOW BLOOD PRESSURE 0 0 0 0001 0001-008 Mansfield Hospital 07/04/2021 00:00:00 08/C
WORSENING BONE PAIN 0 0 0 0001 0001-008 Mansfield Hospital 06/05/2021 00:00:00
TRIMALLEOLAR FRACTURE, LEF... 0 0 0 0001 0001-008 Mansfield Hospital 15/06/2021 00:00:00 02/C
NAUSEA 0 0 0 0001 0001-009 Mansfield Hospital 12/02/2022 00:00:00 14/C

Sort Ascending
Sort Descending
Filter

Search

☒ Include Selections ☐ Exclude Selections

☐ Blank Values

☒ New

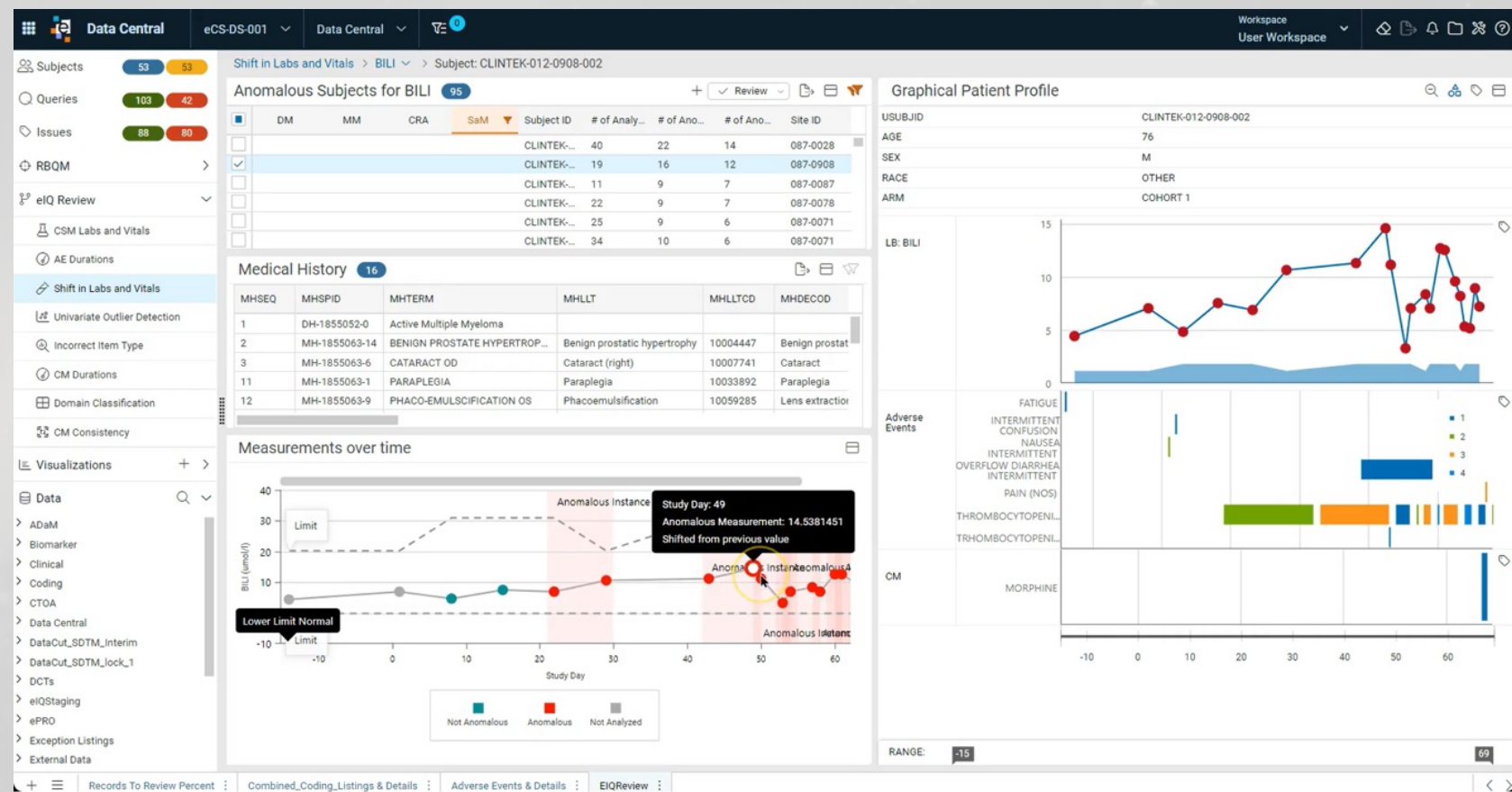
☒ Updated Since Review

☐ Reviewed

Filter Rows Filter Subjects Clear

Records To Review Percent

Anomaly Detection & Patient Profile



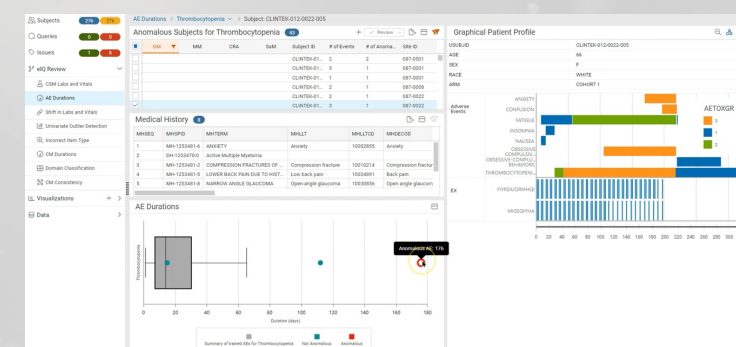
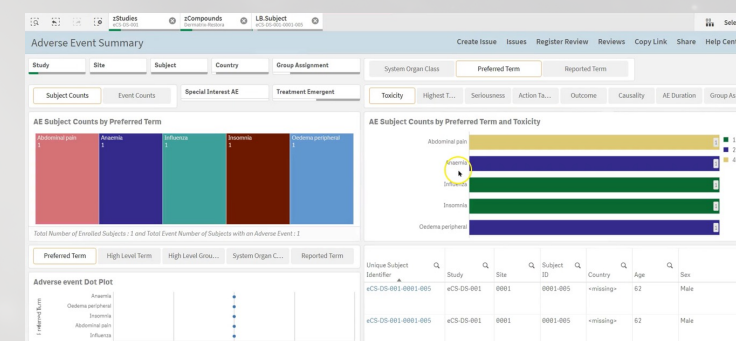
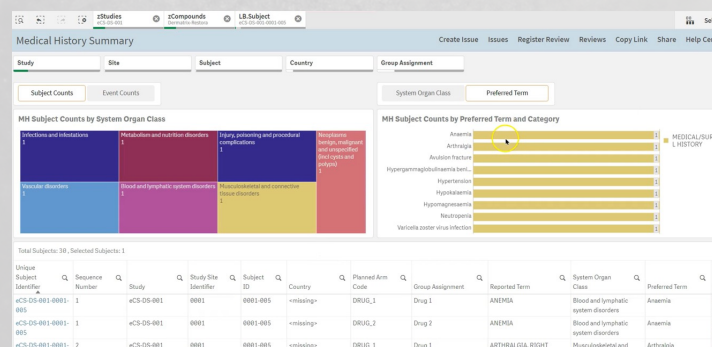
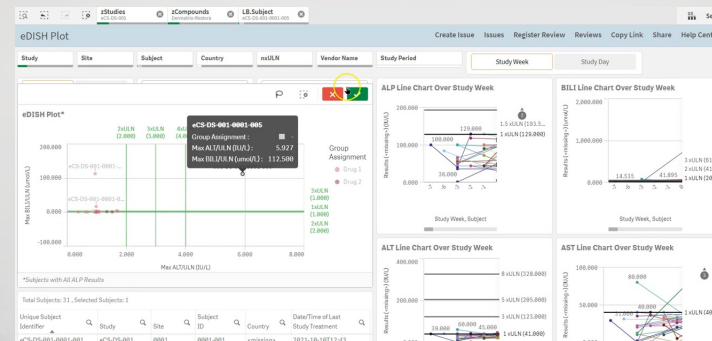
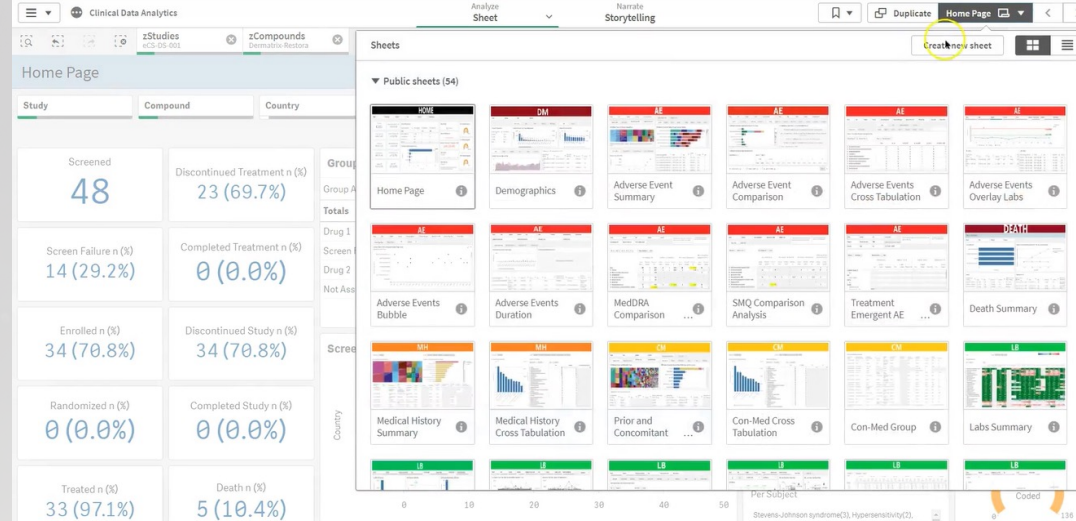
Follow up & traceability

The screenshot displays the 'Data Central' interface with a 'Create Issue' dialog box open. The dialog box contains the following fields and options:

- Type:** Domain
- Subject:** CLINTEK-012-0908-002
- Data Store:** eCS_DS_001_eIQStaging
- Domain:** LB
- Priority:** None (Due in 1 days)
- Assign To:** User (selected), Role, User Group
- * User:** Select a user... (highlighted with a yellow circle). The dropdown menu shows a list of users, including 'Achilleas Zaras (AZARAS)' and 'Admin elliun (ADMIN)'.
- * Due By:** <No Company> or User>
- Issue Text:** Please follow up on the subjects labs
- Buttons:** Cancel, Save

The background interface shows a sidebar with navigation options like 'Subjects', 'Queries', 'Issues', 'RBQM', 'eIQ Review', 'CSM Labs and Vitals', 'AE Durations', 'Shift in Labs and Vitals', 'Univariate Outlier Detection', 'Incorrect Item Type', 'CM Durations', 'Domain Classification', 'CM Consistency', 'Visualizations', and 'Data'. The main area displays a line graph titled 'Measurements over time' and a table titled 'Anomalous Subjects for BILI'.

‘Out of the box’ Cross Study Interactive Visualizations



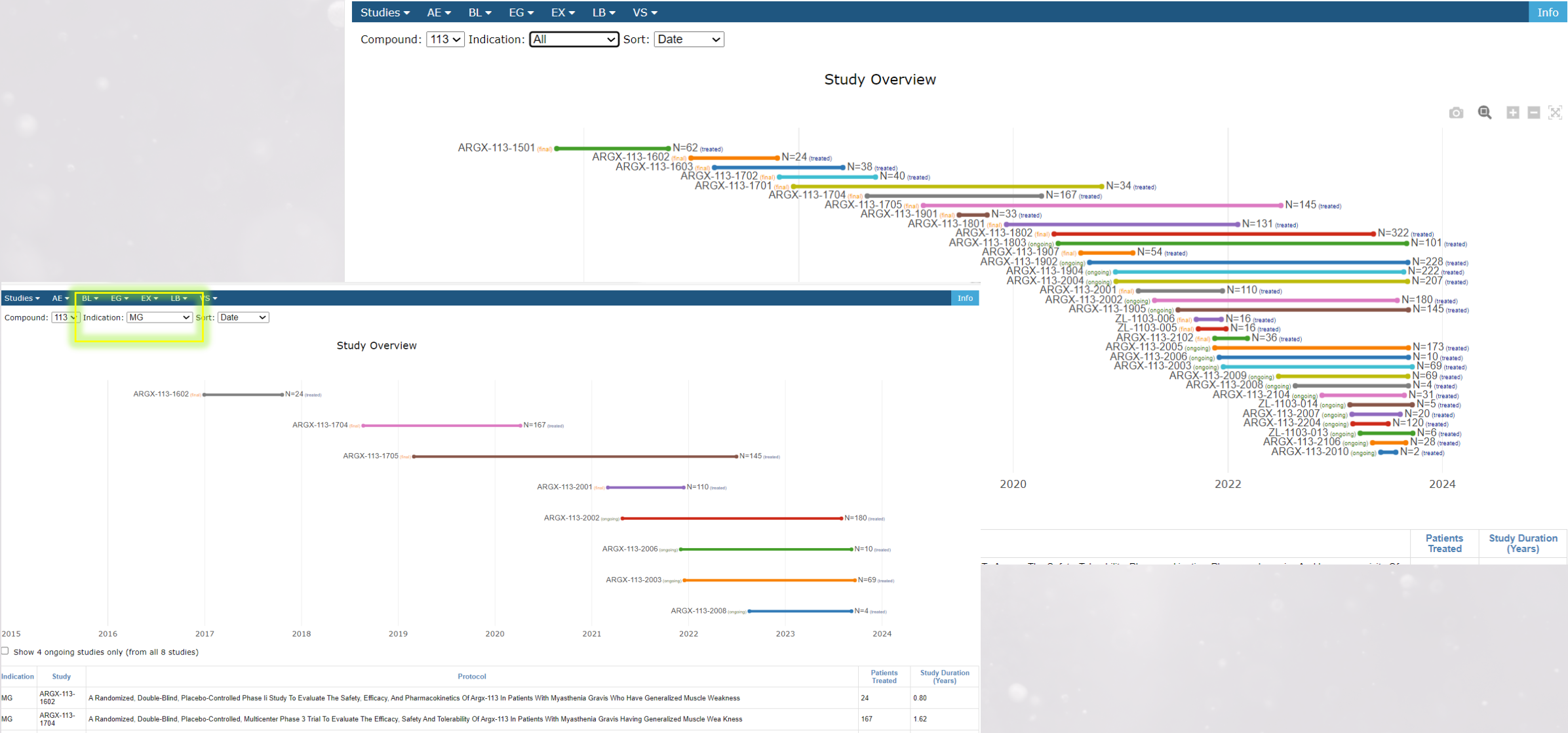


INSIGHT GENERATION

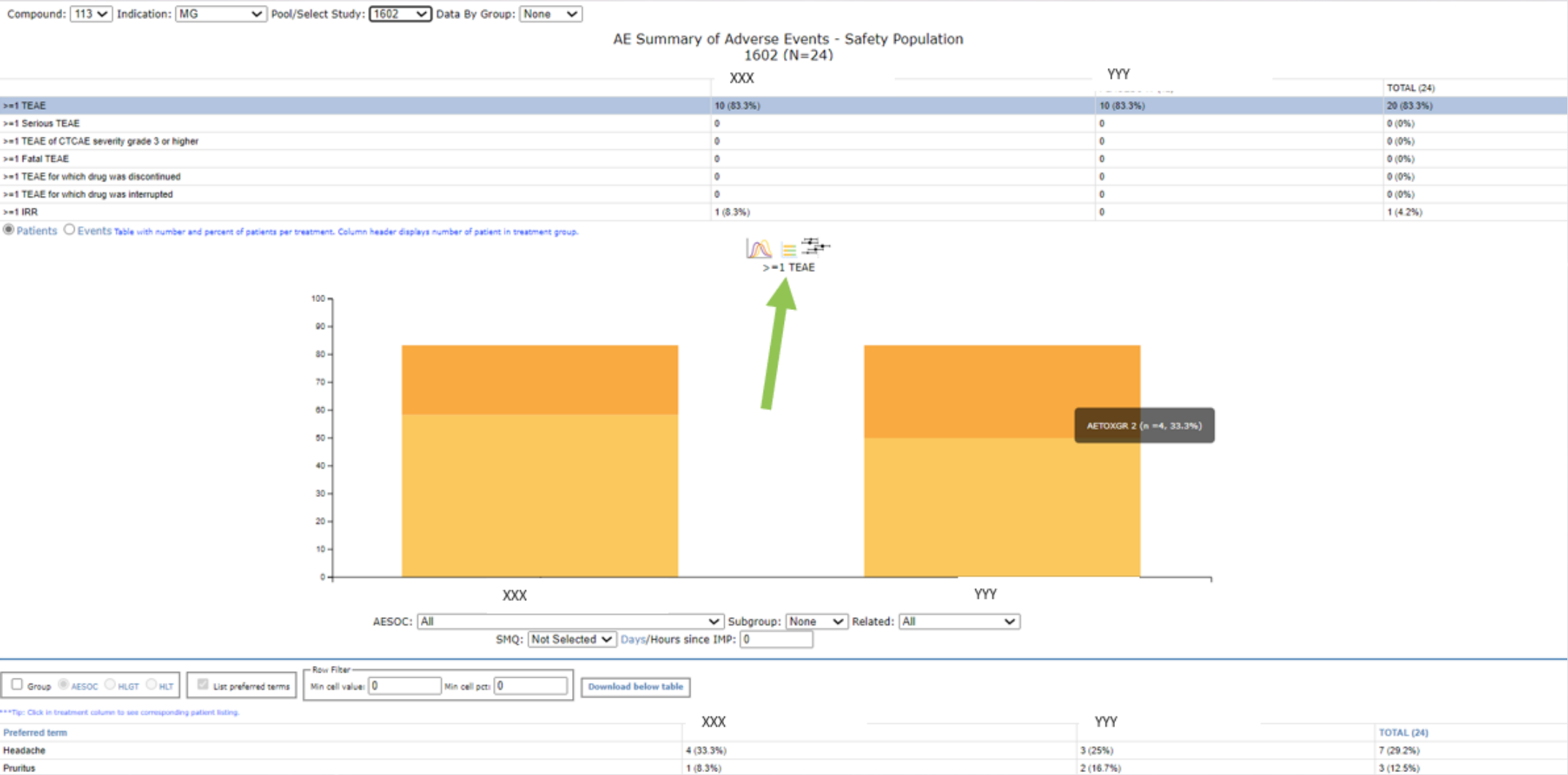
Providing answers to internal and
external questions

argenx 

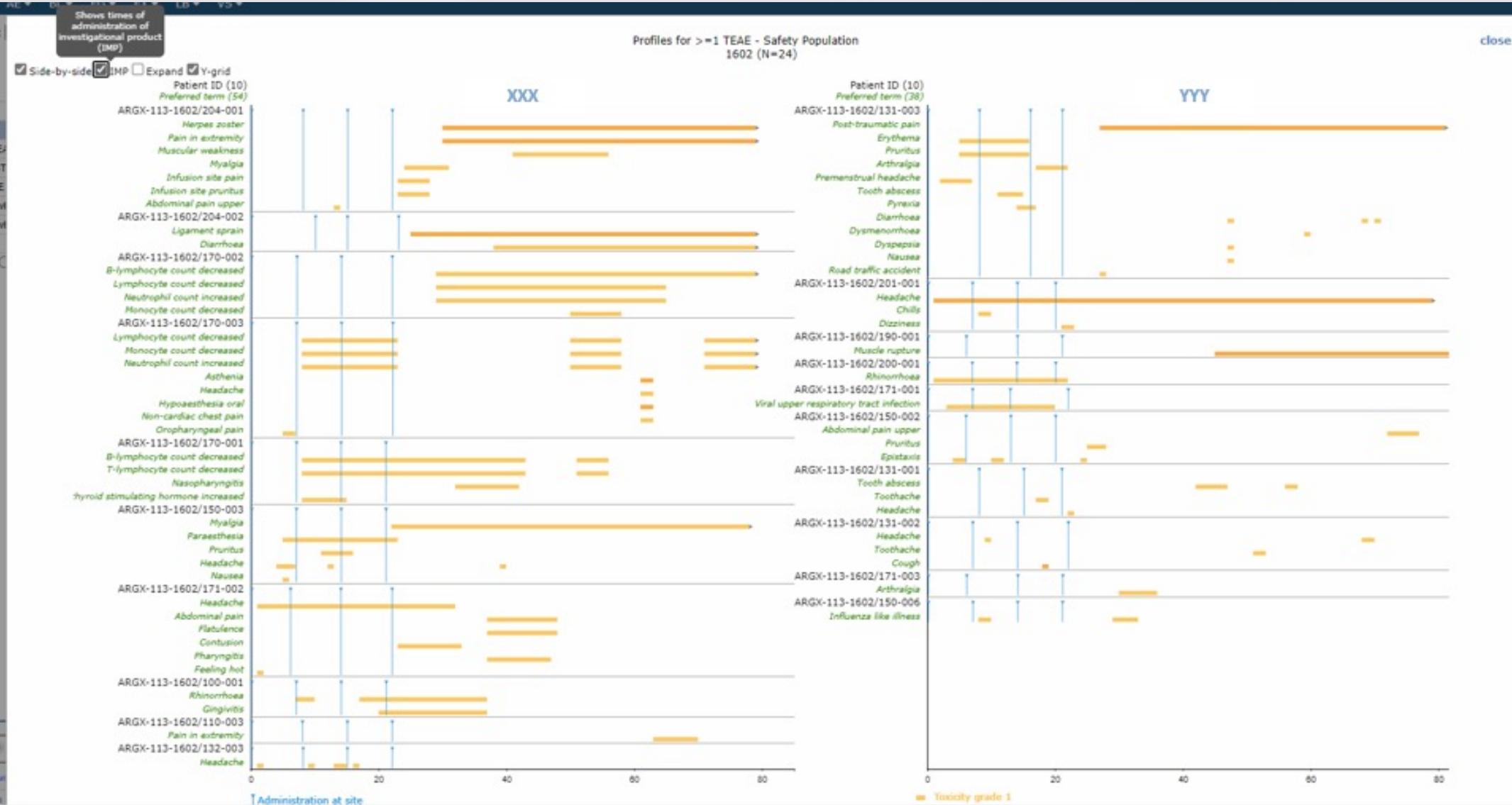
Insight Generation (argenx tool) – Study Overview



Adverse Events Summary



Patient Profile Wall



Subgrouping

AESOC: All

Subgroup:

None

None

Custom

Related: All

SMQ: Not Selected

Days/Hours since IMP: 0

☒ Group ☒ AESOC ☐ HLGT ☐ HLT

☐ List preferred terms

Row Filter

Min cell value: 0

Min cell pct: 0

Download below table

***Tip: Click in treatment column to see corresponding patient listing.

Manage stored history

close

Domains: DM - EG - VS - LB

Variables: SEX- AGE- COUNTRY- BLBMI- FU- RACE- SITEID- ETHNIC

Load own subject variables:

Choose File

 No file chosen

Parse JSON file

 Not previously provided

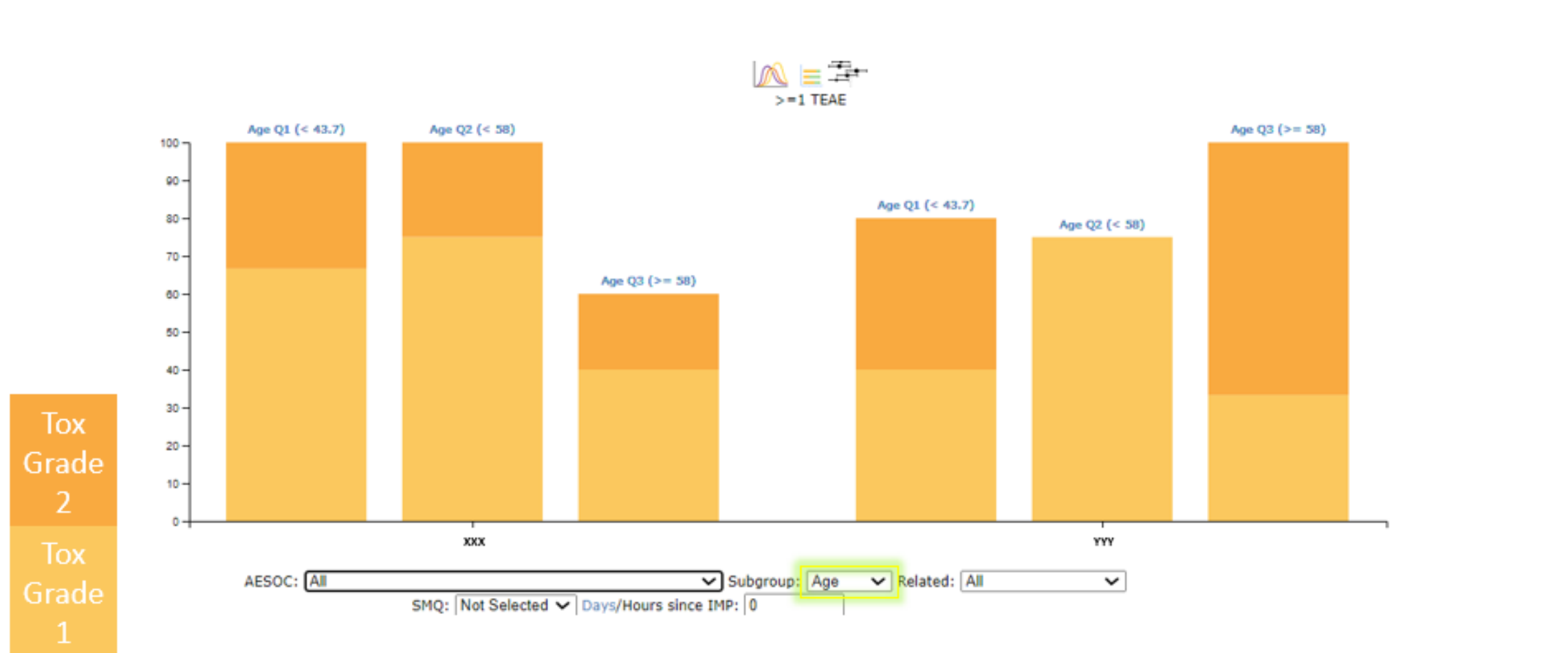
Number of groups: 3

level	label	keep	cutoff	n (%)
1	Age Q1 (< 43.7)	☒	< 43.7	8 (33.3)
2	Age Q2 (< 58)	☒	< 58	8 (33.3)
3	Age Q3 (>= 58)	☒	>= 58	8 (33.3)

Give your custom variable a name: Age

Save

AE Graph (by subgroups)



Pooling studies in Real Time

Manage stored history

close

Select indication or study to generate groups, or when group is selected adjust by adding/removing treatments

☒ Ignore period ☐ Ignore routes

Indication	Study	Treatment
MO	ARGX-113-1692	XXX
		YYY
	ARGX-113-1794	XXX
		YYY
	ARGX-113-1795	XXX
		YYY
	ARGX-113-2091	ZZZ
		ZZZ
	ARGX-113-2092	XXX
	ARGX-113-2093	YYY
ARGX-113-2096	XXX	
ARGX-113-2098	ZZZ	

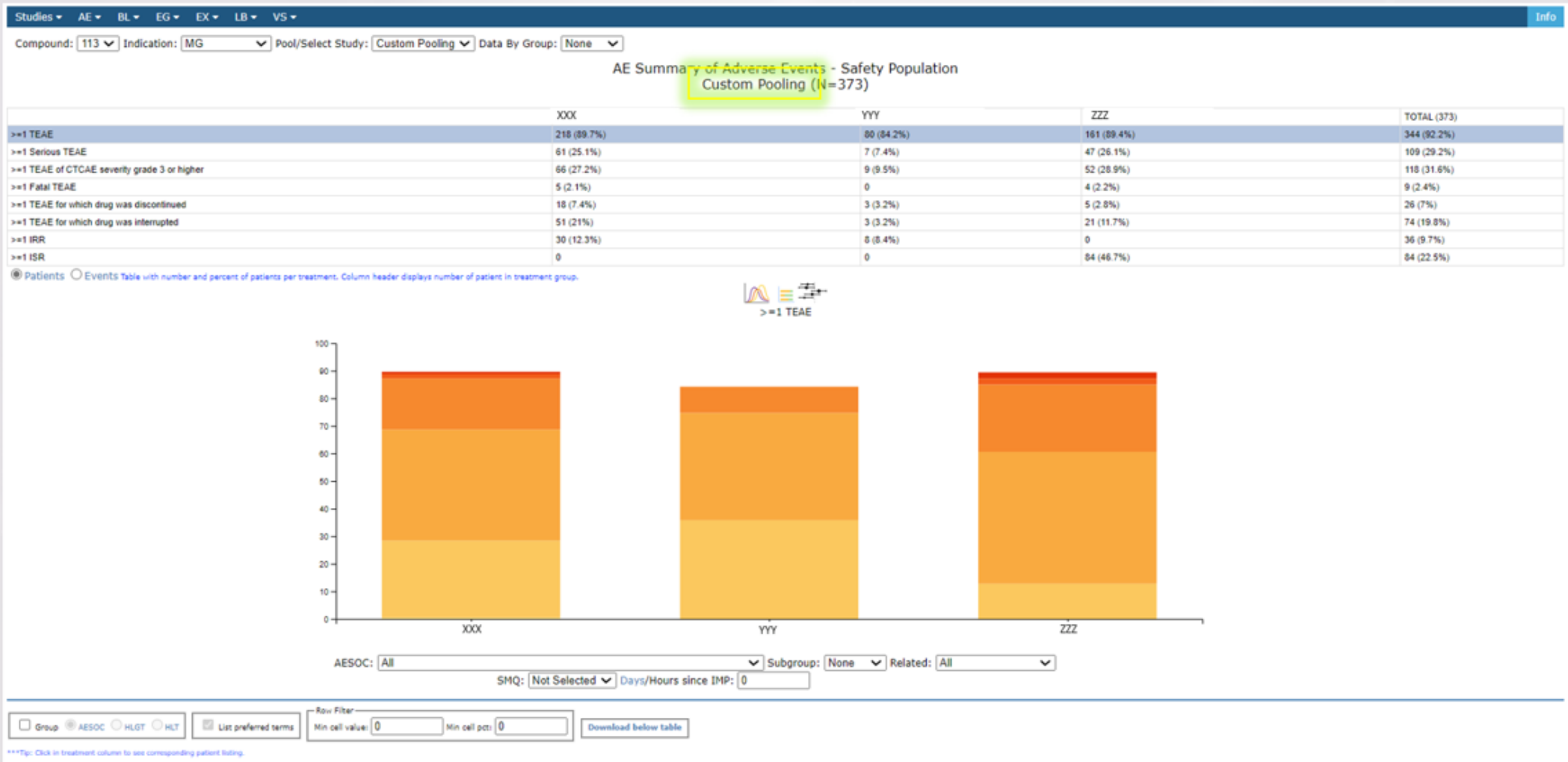
Treatment (N)	Move	Hide	Group Name	Subset
XXX	⬇ ⬆	☐		Subset
YYY	⬇ ⬆	☐		Subset
ZZZ	⬇ ⬆	☐		Subset

Give your selection a name

Custom Pooling

Save

Custom Pooled Study Graphs



... and there is more

Control Center18 apps

Reporting Event Dashboard

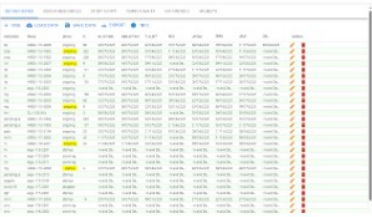


This is a new version of the reporting event dashboard. It provides an overview of reporting events which are currently active. There are links to study dashboards and file viewer for examining the files.

OPEN

Group: study

Studies Resource Management



Set key dates, assign resources and visualise this in Gantt charts.

OPEN

Group: study

Search SAS programs

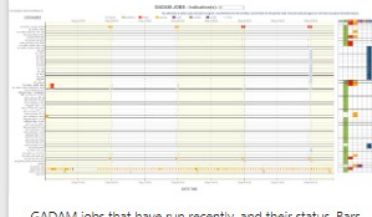


Anna's app to search SAS programs on LSAF for text.

OPEN

Group: code

GADAM jobs



GADAM jobs that have run recently, and their status. Bars can be clicked on to open the log viewer for the selected job.

OPEN

Group: gadam

GADAM Data Refresh Events

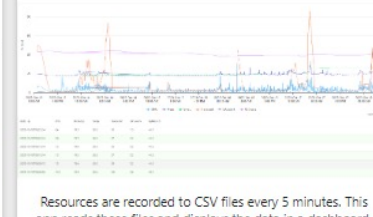


Dashboard focusing on the refreshing of data for GADAM. Shows SDTM, ADAM and Reports along with what days they were run on. Clicking provides detail for files.

OPEN

Group: gadam

LSAF Resources Monitoring



Resources are recorded to CSV files every 5 minutes. This app reads these files and displays the data in a dashboard.

OPEN

Group: utils

STAR documentation

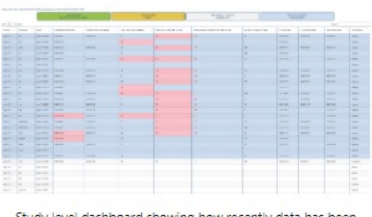


SAS code documentation generated automatically by Doxygen from the SAS code comments. This is hosted on SharePoint. It must be manually re-generated when the code changes, and then uploaded to SharePoint.

OPEN

Group: code

Studies Info



Study level dashboard showing how recently data has been updated.

OPEN

Group: study

Insight - studies



Martijn's insight app.

OPEN

Group: insight

Insight - TLF bundles



Martijn's insight app.

OPEN

Group: insight

LSAF sync

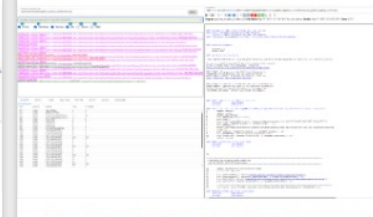


Analysis of people using the LSAF sync app. Shows what they have synced from LSAF to their PC.

OPEN

Group: study

Log viewer



SAS log viewer which can be used to view logs on LSAF.

OPEN

Group: utils

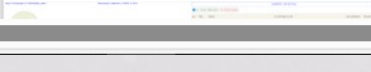
File viewer



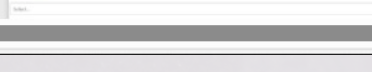
Resource management



Study Dashboard



Code samples for producing Graphics



In-text Tables



Old Dashboard



CONFIDENTIAL & PROPRIETARY INFORMATION



KEY LEARNINGS

Critical Success Factors &
Challenges Ahead

argenx 

CRITICAL SUCCESS FACTORS

ENTREPRENEURIAL SPIRIT

- REQUIREMENTS > BUDGET APPROVAL > VENDOR SELECTION > IMPLEMENTATION (e.g. LSAF, RYZE, ...)
- GO-LIVE WITHIN 3-6 MONTHS

EMPOWERMENT & EXCELLENCE

- EMPLOYEES EMPOWERED TO TAKE DECISIONS
- DATA DRIVEN DECISION MAKING
- QUALITY BY DESIGN (no legacy)

CO-CREATION

- CROSS-FUNCTIONAL TEAMS (ARGONAUTS) WORKING AS ONE TEAM WITH SAME OBJECTIVES
- EXTERNAL COLLABORATIONS WITH LEADING TRANSLATIONAL BIOLOGY LABS; TECH VENDORS & CRO PARTNERS
- 'NOT INVENTED-HERE SYNDROME' - NOT APPLICABLE

CHALLENGES AHEAD

- KEEP ARGENX “DNA” WHILE BECOMING MID-SIZED BIO-TECH COMPANY
- KEEP RECRUITING TOP TALENTS (WITH SAME DNA)
- INCREASE LEVEL OF STANDARDIZATION (FROM PROTOCOL DESIGN TO SUBMISSION ... AND BEYOND)
- PIPELINE (VOLUME OF TRIALS)

Thank You