

# TFL Designer Community – Demo and Q/A

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**COSA Spotlight** 

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CDISC Analysis Result Standards – Releasing April 2024!





## **Creating Analysis Results Metadata: JSON**

	Drug Name	Drug Name			Total	
	Dosage X	Dosage Y	Placebo	<b>Active Control</b>	Population	
	N = XXX	N = XXX	N = XXX	N = XXX	N = XXX	
Characteristic	n (%)	n (%)	n (%)	n (%)	n (%)	
Sex, n (%)	n (%)	n (%)	n (%)	n (%)	n (%)	
Male	n (%)	n (%)	n (%)	n (%)	n (%)	
Female	n (%)	n (%)	n (%)	n (%)	n (%)	
Age, years	X.X (Y.Y)	X.X (Y.Y)	X.X (Y.Y)	X.X (Y.Y)	X.X (Y.Y	
Mean (SD)	X.X (Y.Y)	X.X (Y.Y)	X.X (Y.Y)	X.X (Y.Y)	X.X (Y.Y	
Median (min, max)	X.X (Y.Y, Z.Z)	X.X (Y.Y, Z.Z)	X.X (Y.Y, Z.Z)	X.X (Y.Y, Z.Z)	X.X (Y.Y, Z.Z	
Age groups (years), n (%)	n (%)	n (%)	n (%)	n (%)	n (%	
≥17 to <65	n (%)	n (%)	n (%)	n (%)	n (%	
≥65	n (%)	n (%)	n (%)	n (%)	n (%	
≥65 to <75	n (%)	n (%)	n (%)	n (%)	n (%	
≥75	n (%)	n (%)	n (%)	n (%)	n (%	
Race, n (%)	n (%)	n (%)	n (%)	n (%)	n (%	
American Indian or Alaska Native Asian	n (%)	n (%)	n (%)	n (%)	n (%	
Black or African American	n (%)	n (%)	n (%)	n (%)	n (%	
Native Hawaiian or Other Pacific Islander	n (%)	n (%)	n (%)	n (%)	n (%	
White	n (%)	n (%)	n (%)	n (%)	n (%	
Other	n (%)	n (%)	n (%)	n (%)	n (%	

Source: [include Applicant source, datasets and/or software tools used].

1 Difference is shown between [treatment arms] (e.g., difference is shown between Drug Name dosage X vs. placebo).
Abbreviations: N, number of patients in treatment arm: n, number of patients with given characteristic; SD, standard deviation



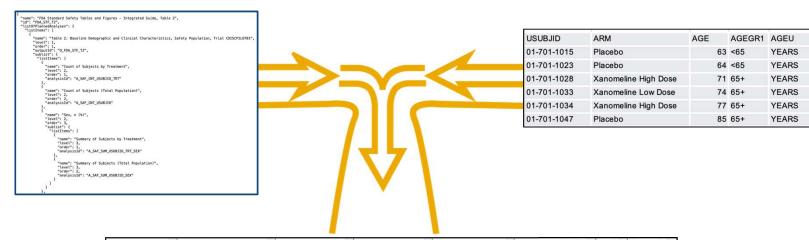
```
"name": "FDA Standard Safety Tables and Figures - Integrated Guide, Table 2",
"id": "FDA_STF_T2",
"listOfPlannedAnalyses": {
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      "level": 1,
      "order": 1,
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      "sublist": {
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            "level": 2,
            "order": 1,
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            "order": 2,
            "analysisId": "A_SAF_CNT_USUBJID"
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                  "order": 1,
                  "analysisId": "A_SAF_SUM_USUBJID_TRT_SEX"
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                  "level": 3,
                  "order": 2.
                  "analysisId": "A_SAF_SUM_USUBJID_SEX"
```



## Leveraging ARS Metadata to Drive Results Automation



#### **ADaM Dataset**



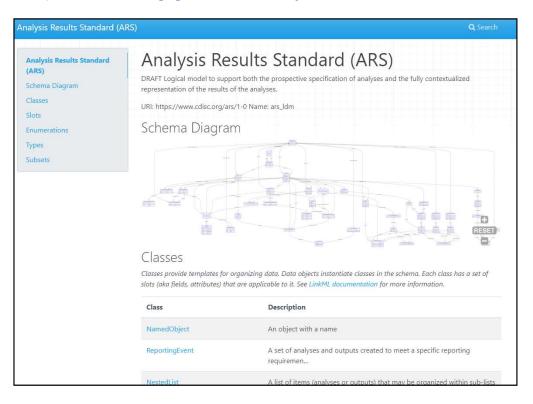
id #	operation_id	<ul> <li>resultGroup1_groupingIc =</li> </ul>	resultGroup1_groupId	<ul><li>resultGroup2_groupingId</li></ul>	resultGroup2_groupId ~	rawValu *	formattedVal -
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_1_n	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_1	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_1	14	14
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_1_n	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_1	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_2	72	72
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_1_n	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_2	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_1	8	8
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_1_n	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_2	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_2	76	76
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_1_n	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_3	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_1	11	11
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_1_n	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_3	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_2	73	73
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_2_pct	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_1	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_1	16.27907	(16.3)
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_2_pct	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_1	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_2	83.72093	(83.7)
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_2_pct	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_2	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_1	9.52381	( 9.5)
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_2_pct	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_2	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_2	90.47619	(90.5)
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_2_pct	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_3	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_1	13.09524	(13.1)
An03.02_AgeGrp_ByTrt	Mth01_CatVar_ByGrp_2_pct	AnlsGrouping_02_Trt	AnlsGrouping_02_Trt_3	AnlsGrouping_03_AgeGp	AnlsGrouping_03_AgeGp_2	86.90476	(86.9)

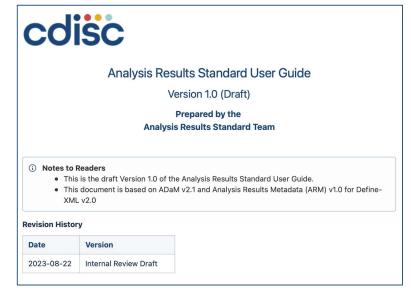


Analysis Results Dataset

#### **Analysis Results Standard Model and User Guide**

https://cdisc-org.github.io/analysis-results-standard/

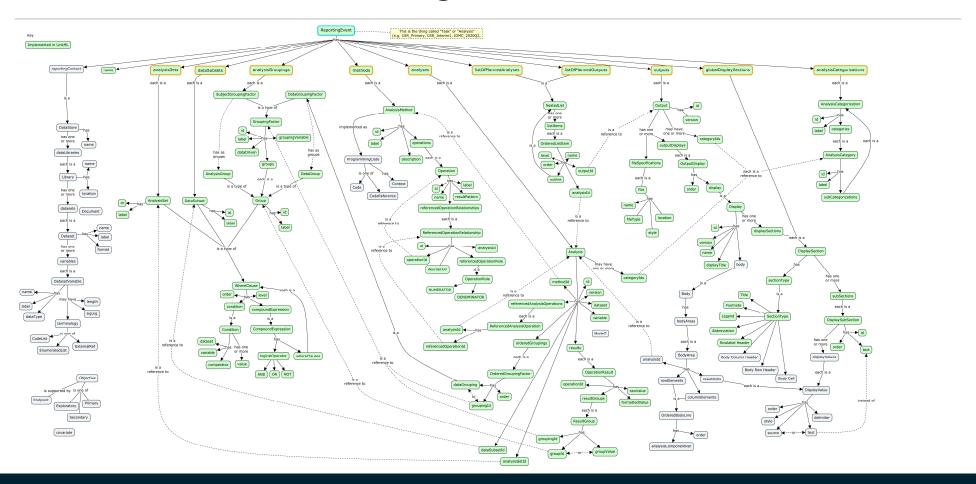






https://wiki.cdisc.org/display/ARSP/Analysis+Results+User+Guide

# **ARS Model Representation using CMAP**





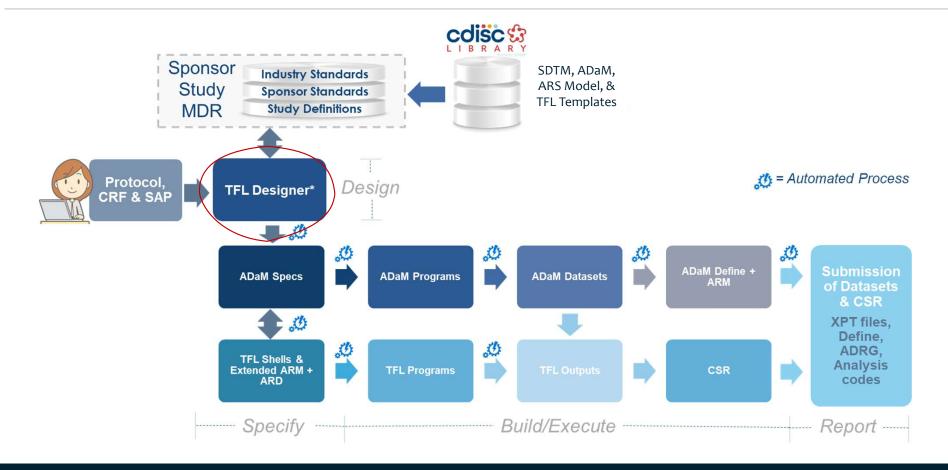
# ARS model is complex!

How do I operationalize it and generate analysis results metadata prospectively?

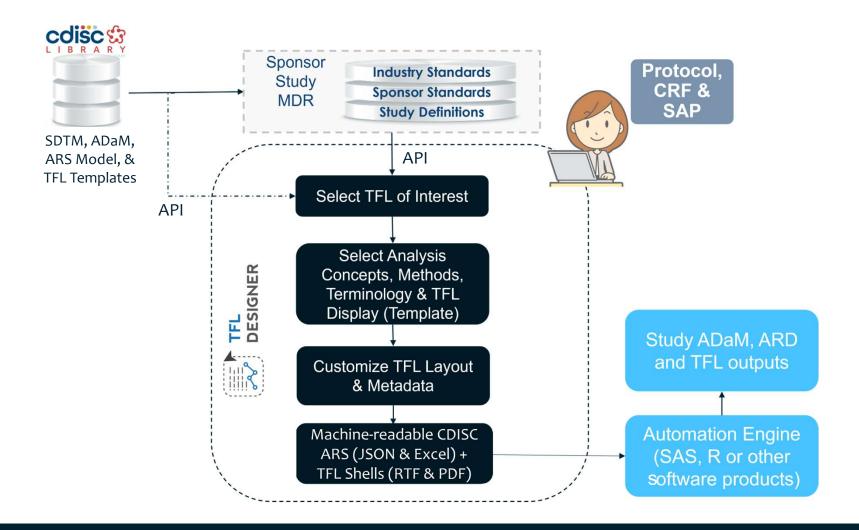




#### Analysis Results Workflow w/ TFL Designer











#### TFL Designer – Key Highlights

- Web-based solution
- Digitizes your analysis results (TFL)
- Aligned with CDISC Analysis Results
   Standards
- Central repository for your TFL standards, display templates, conventions and metadata
- Automates generation of TFL shells and provides machine-readable metadata
- Community & Enterprise versions





#### **Key Functionalities**

- Central repository for your TFL standards/templates, conventions and metadata
- Access to library of TFL templates (community\* and user generated) by disease areas, TA, and indication
- Access to CDISC Standards (SDTM, ADaM, CT)
   via API to CDISC Library

- Develop new mock-up shells, edit/delete items
- Automatically populate items based on user inputs
- ■Export TFL shells in RTF & PDF formats
- Export analysis results metadata per the CDISC ARS model in JSON and Excel formats

\* including FDA STF-IG [Will include PMDA, & PHUSE display templates in future updates]



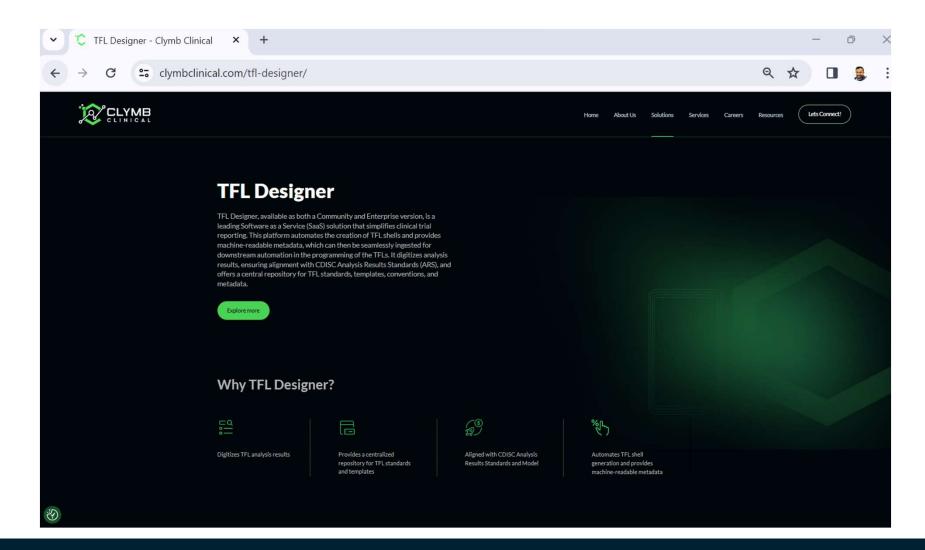
#### **TFL Designer: Contributing to Open-source Community**





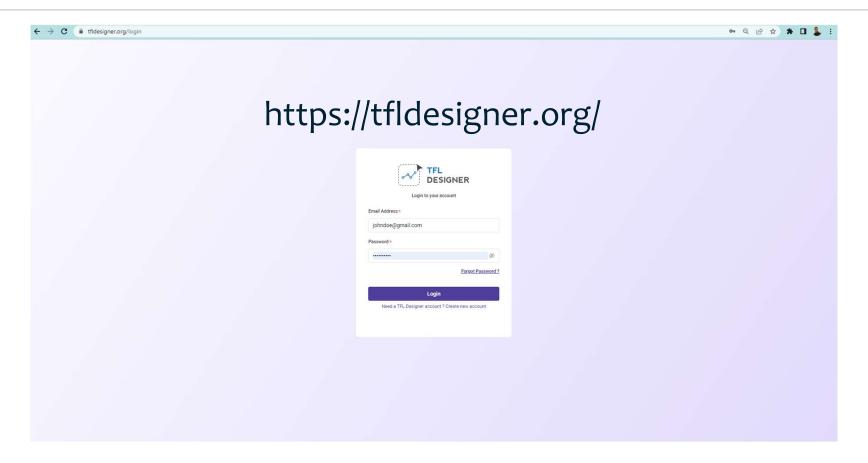
# Live Demo







### **TFL Designer (Community version)**





#### **Download files**

# http://bit.ly/3uKMAAv

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