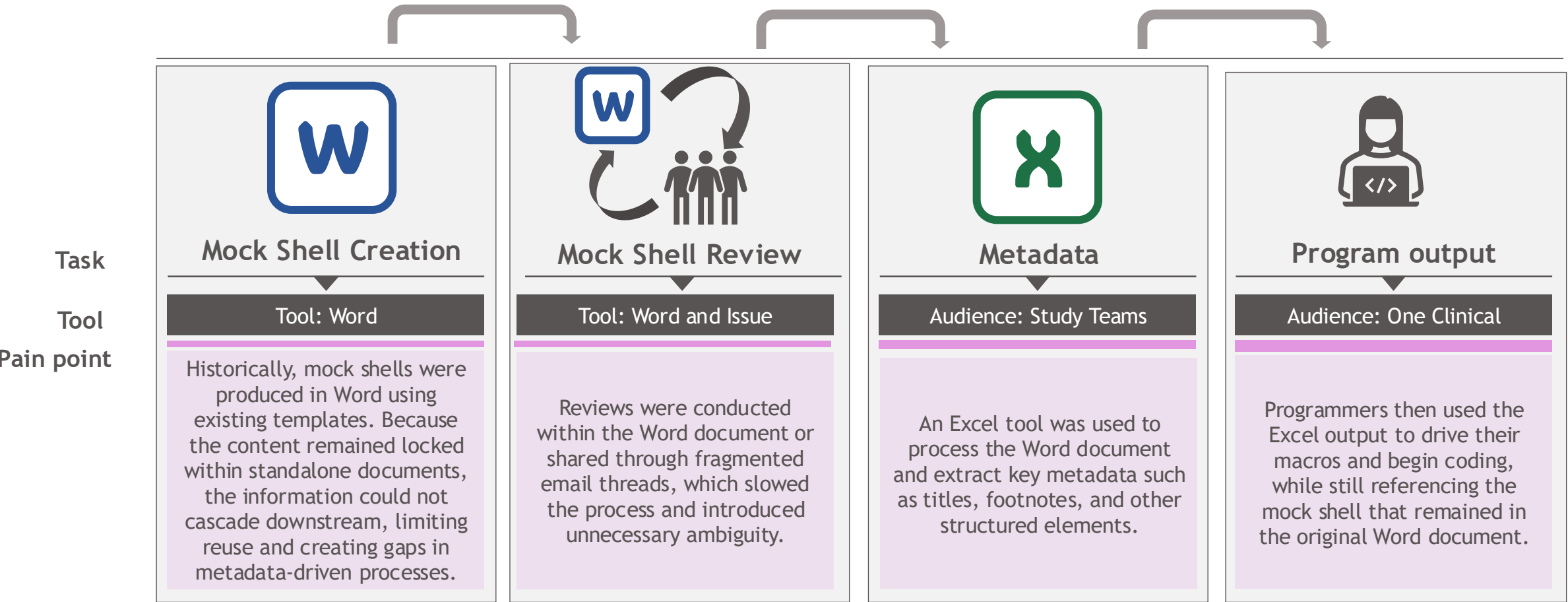




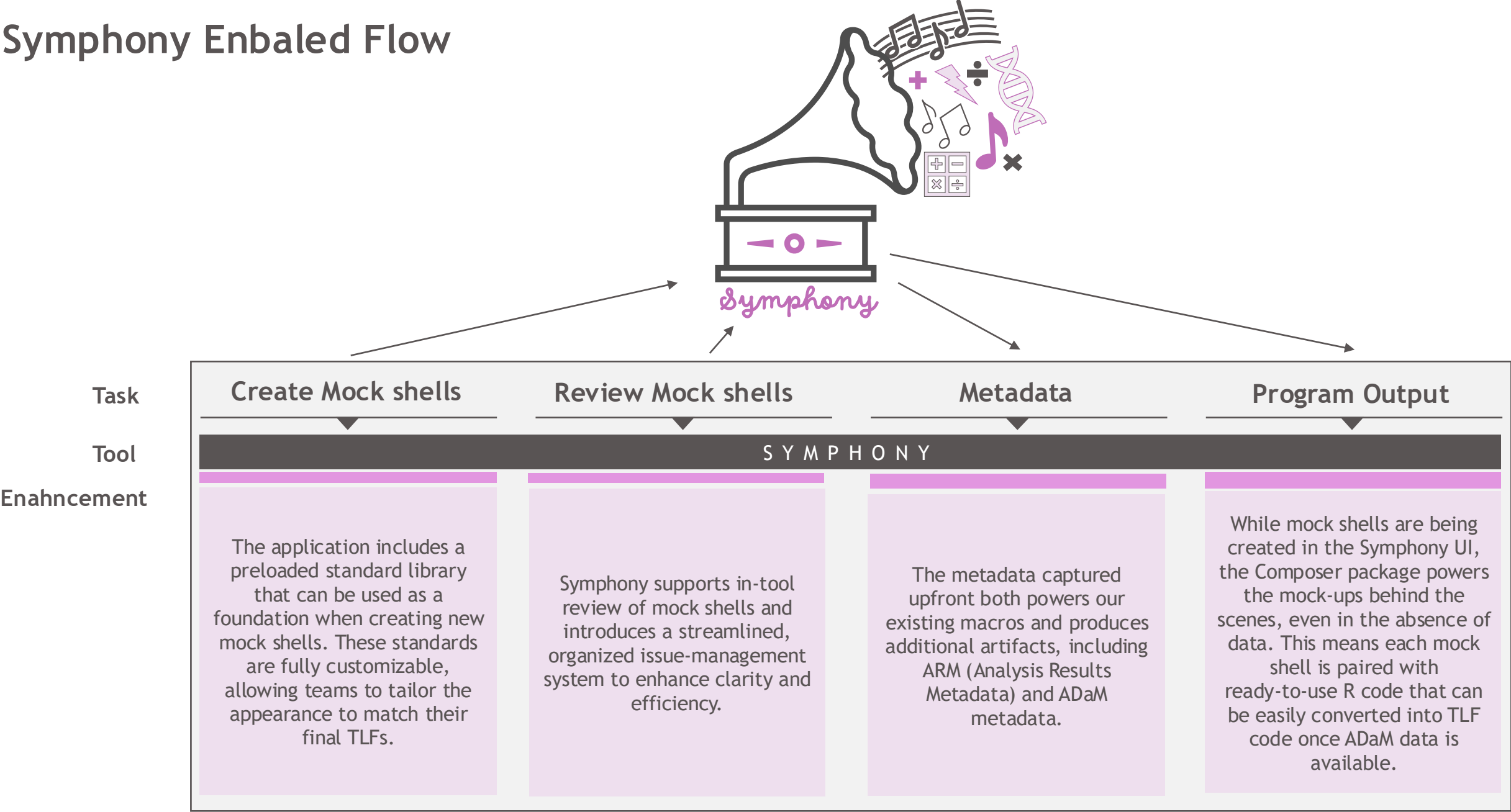
Orchestrating Efficiency: Symphony and Composer in Clinical Reporting

Maragret Wishart
PHUSE US CONNECT 2026

Typical Flow

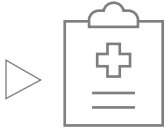


Symphony Enbaled Flow

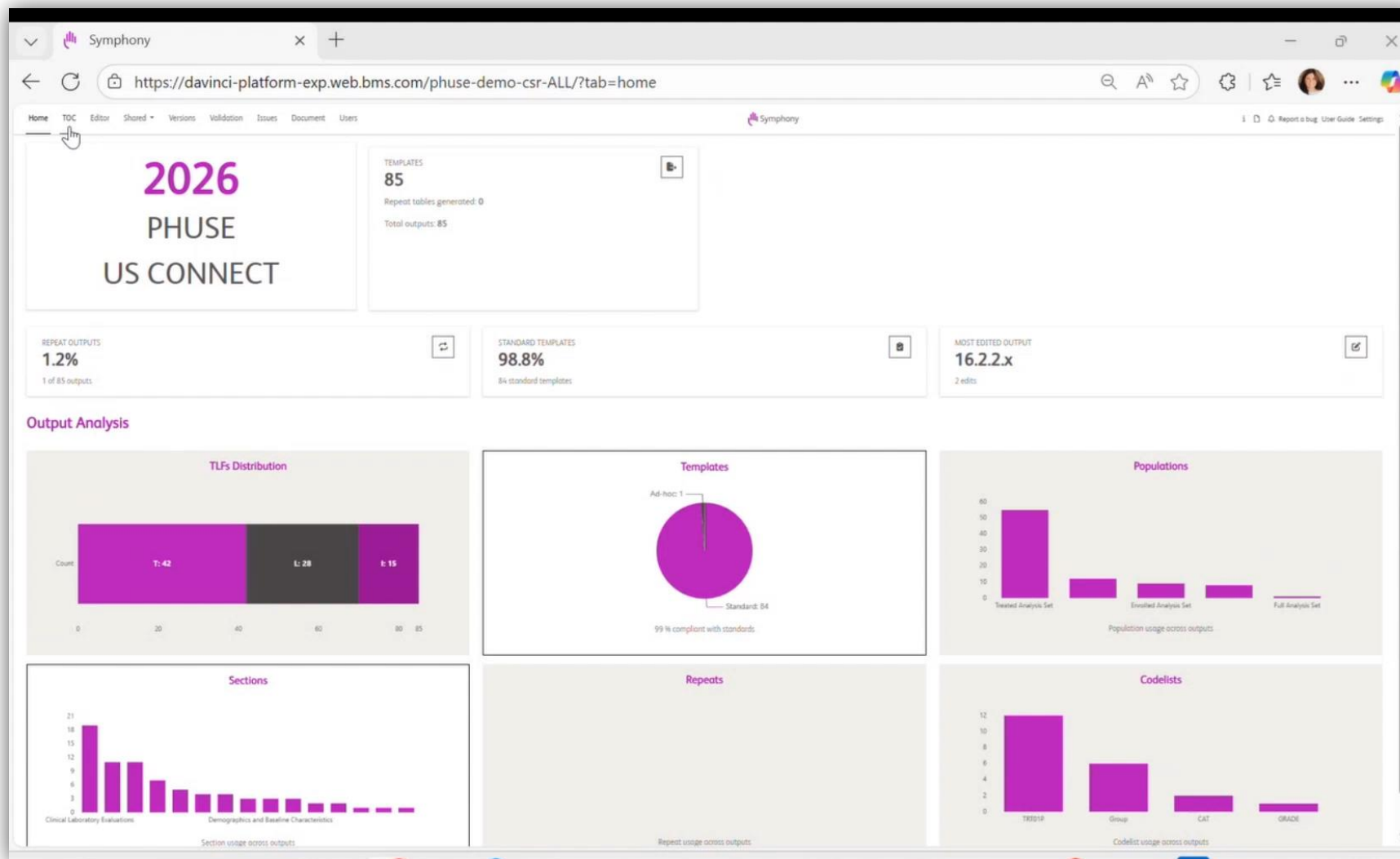


E2E Enabled Workflow

Task	Mock shells	Review Cycle	Metadata	Down stream metadata creation	R code generation	Interactive TLFs
Description	A tool to streamline current process of building the by digitizing the document and expediting the process with the introduction of automation and AI	Allow for the review to be done within the tool itself add comments on templates and stored within a DB.	Guardrails in places to ensures that the DPP adheres to the process Consumes the responsibilities of the DPP Tool by producing the metadata to be consumed by programmers	ADaM metadata is entered once and seamlessly reused across systems – automatically generating ARDs, code lists, and more.	The mockups will be generated from real r code, aiding for a seamless integration when ADaM data is ready to produce the real TLFs	An intuitive application UI that empowers stakeholders to interact with TLF dynamically adjusting populations and exploring additional parameters.
Benefits	Stat Programmers	Biostatisticians	Stat Programmers	Stat Programmers	Stat Programmers	Biostatisticians
	Biostatisticians	Clinical				Clinical



Ready TLFs



DPP Creation

- Standard Templated
- Customizable
- AI Integration and Assistance
- Ease the review process and eliminate miscommunication
- Global Settings

HomeTOCEditorSharedVersionsValidationIssuesDocumentUsers

Symphony

Report a bugUser GuideSettings

EditorSelect an output...

Last updated
wishartm - 13 January 2026 14:22

...b=editor&output=8680CreateView

Source: Global Core / Hematology Standards / Demo

+🔒🔍🗑️📄

📄🔍

TitleID

PHUSE US CONNECT DEMO65CSR_DM_T_001

Output Filename

rt-dm-xxx

Purposes

Output Number

Total column

Population

Section

Big N format

XXX

Footnote

Preview

> Table References

Repeat

No repeats

Column Header Left

Country n (%)
 Site Number n (%)

Programming Notes

Row sorting: alphanumerically by Country and Site Number
Display site numbers with leading zero

Layout Notes

Table 14.1.1.1

PHUSE US CONNECT DEMO

	ENROLLED N = XXX		RANDOMIZED N = XXX		Total N = XXX	
	5 N = XXX	10 N = XXX	5 N = XXX	10 N = XXX	5 N = XXX	10 N = XXX
NUMBER OF COUNTRIES	XXX	XXX	XXX	XXX	XXX	XXX
NUMBER OF SITES	XXX	XXX	XXX	XXX	XXX	XXX
EUROPE	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)
NORTH AMERICA	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)
NOT REPORTED	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)

Reporting Events: _60009383996

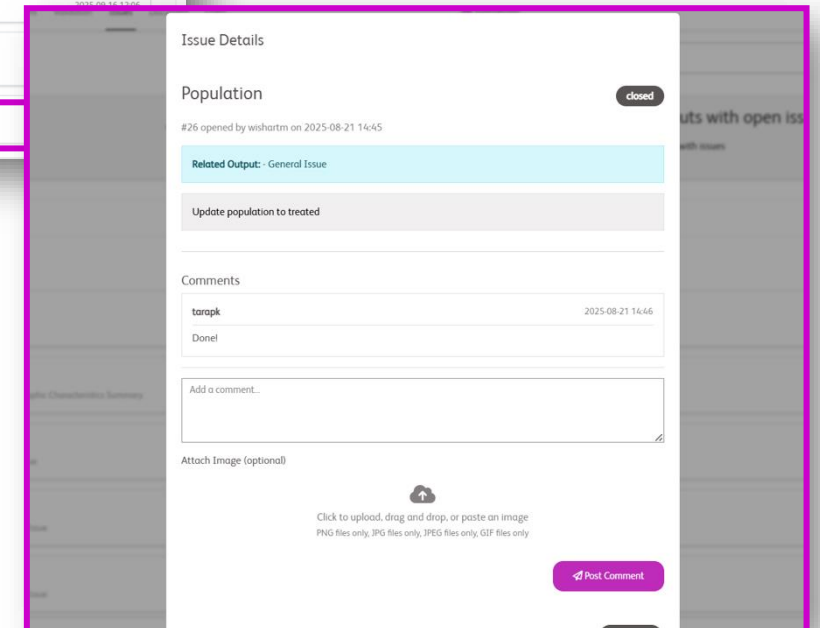
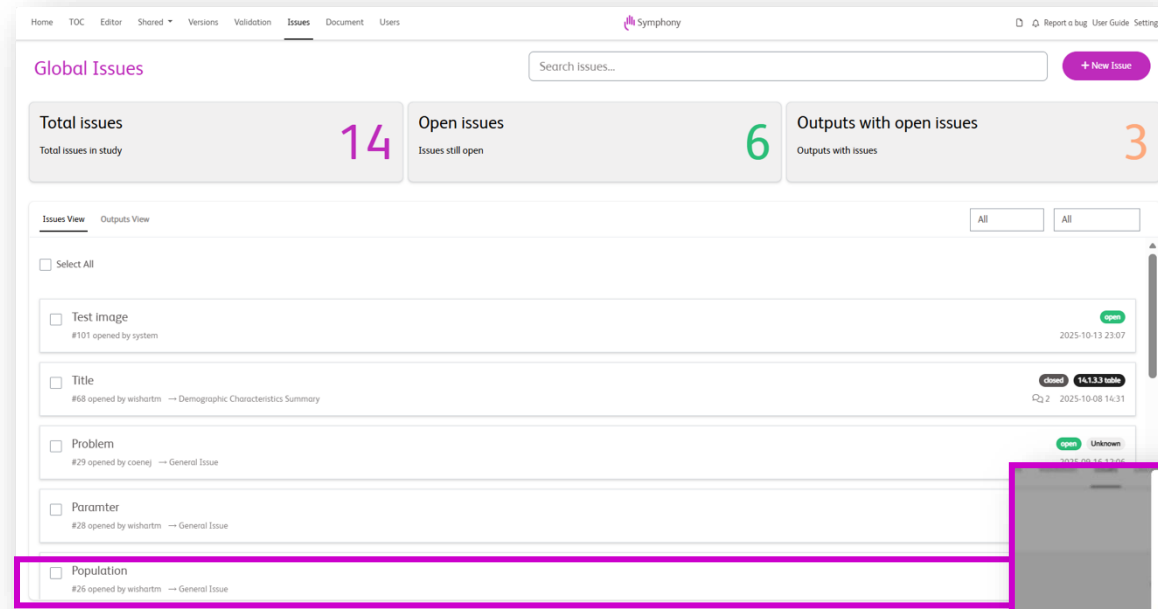
File Name: rt-dm-xxx

Programming Notes: _Row sorting: alphanumerically by Country and Site Number
Display site numbers with leading zero

Layout Notes: Include/Not Include Randomized
Include/Not Include Treated

Review & Issue Management

- Output Review within the tool
- High-level issue manager
- Progress and resolve faster



Version Management

- Version controlled
- Ease of communication between development team
- Changes are evident

The screenshot displays the Symphony Version Management interface. At the top, a navigation bar includes links for Home, TOC, Editor, Shared, Versions (active), Validation, Issues, Document, and Users. The main header shows the Symphony logo and a 'Create Snapshot' button. The 'Version Management' section is titled 'Version Comparison'. It features two dropdown menus: 'Base Version' (set to 'Example (2/5/2026, 11:38:31 PM)') and 'Compare Version' (set to 'Current version'). Below these are buttons for 'Compare Versions' and 'Download All Differences', along with a 'Modified' dropdown. A light blue banner indicates the comparison is between 'vExample (2026-02-05)' and 'Current version'. The main content area is titled '14.1.1.1 - PHUSE US CONNECT DEMO - (Template: GS_CSR_DM_T_001)' and shows an 'Output Comparison' with a warning: '1 difference found (definition changes only)'. A 'Definition Changes (1)' section highlights a change: 'Definition: Field 'title' changed from 'Enrollment Summary by Country and Site' to 'PHUSE US CONNECT DEMO''. Below this, two tables are shown side-by-side: 'Base Version' and 'Compare Version'. Both tables are titled 'Table 14.1.1.1' and have a caption 'Enrollment Summary by Country and Site' (highlighted in the base version) or 'PHUSE US CONNECT DEMO' (highlighted in the compare version). The tables have columns for Country n (%), Site Number n (%), ENROLLED N = XXX, RANDOMIZED N = XXX, TREATED N = XXX, and Total N = XXX. The data rows include 'NUMBER OF COUNTRIES', 'NUMBER OF SITES', 'EUROPE', and 'NORTH AMERICA'.

Country n (%)	Site Number n (%)	ENROLLED N = XXX	RANDOMIZED N = XXX	TREATED N = XXX	Total N = XXX
NUMBER OF COUNTRIES		XXX	XXX	XXX	XXX
NUMBER OF SITES		XXX	XXX	XXX	XXX
EUROPE		XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)
NORTH AMERICA		XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)

Country n (%)	Site Number n (%)	ENROLLED N = XXX	RANDOMIZED N = XXX	TREATED N = XXX	Total N = XXX
NUMBER OF COUNTRIES		XXX	XXX	XXX	XXX
NUMBER OF SITES		XXX	XXX	XXX	XXX
EUROPE		XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)
NORTH AMERICA		XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)

Composer

- Code generated mock shells
- Smooth transition when data is available

Code

```
composer::table(  
  title = "PHUSE US CONNECT DEMO",  
  file_name = "rt-dm-xxx",  
  footer = "",  
  bigN_format = "XXX",  
  population = "Treated Analysis Set",  
  layout_notes = "Include/Not Include Randomized<br/>Include/Not Include Treated<br/><br/><br/>",  
  total_col = TRUE,  
  output_number = "14.1.1.1",  
  reporting_events = "_60009383996",  
  analysis_criteria = "",  
  column_header_left = "Country n (%) <br/> Site Number n (%)",  
  programming_notes = "Row sorting: alphanumerically by Country and Site Number<br/> \nDisplay site number  
) |>  
composer::colgroup(composer::by(  
  variable = "VISITNUM",  
  levels = list("ENROLLED", "RANDOMIZED", "TREATED")  
)) |>  
composer::rowgroup(  
  composer::row(  
    label = "NUMBER OF COUNTRIES", computation = composer::compute(format = "XXX"),  
    composer::row(label = "NUMBER OF SITES", computation = composer::compute(format = "XXX"))  
  ),  
  composer::by(  
    variable = "REGION",  
    levels = list("EUROPE", "NORTH AMERICA", "NOT REPORTED"),  
    computation = composer::compute(format = "XXX (XXX.X)"),  
    composer::by(  
      variable = "",  
      levels = list(CHILE = "0120", CANADA = list("0121", "0122"), AUSTRALIA = list("0123", "0125", "0126"),  
      computation = composer::compute(format = "XXX (XXX.X)")  
    )  
  )  
)  
composer::compose()
```

Symphony

2026 23:39

...b=editor&output=8680

Country n (%) Site Number n (%)	ENROLLED N = XXX	RANDOMIZED N = XXX	TREATED N = XXX	Total N = XXX
NUMBER OF COUNTRIES	XXX	XXX	XXX	XXX
NUMBER OF SITES	XXX	XXX	XXX	XXX
EUROPE	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)
NORTH AMERICA	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)
NOT REPORTED	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)	XXX (XXX.X)

Reporting Events: _60009383996
File Name: rt-dm-xxx

Programming Notes: Row sorting: alphanumerically by Country and Site Number
Display site numbers with leading zero

Layout Notes: Include/Not Include Randomized
Include/Not Include Treated

Impact



Standards

Maintaining Standard Library

- Global and TA Specific Standards are managed and maintained within the tool itself
- Ensures larger team is using the most up to date standards



Streamline Processes

Processes are slimmed

- Reducing the tools down to one main tool eliminates down stream processes
- Helps streamline communications amongst the team

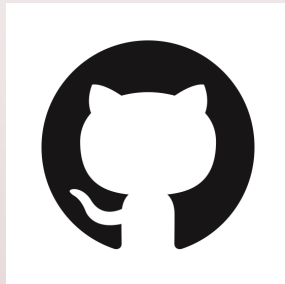


Generating Efficiencies

Provide on going feedback

- Once lost metadata and work done to create mock shells is now leveraged to its full extent
- Associated metadata and even code is obtainable from a single mock shell

Join the **Symphony** - Let's Build Together!



BristolMyersSquibb

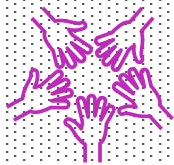
Symphony Web application



Composer TFL package



Dev Team



Opifex

John Coene

BMS

Karma Tarap

Margaret Wishart

Thank you!



Q&A