



SCDM **Live** EMEA Conference

9-11 April, 2025 | Brussels, Belgium

CDISC 360i Roadmap to Enable Standards Driven Automation from Study Design Through Results and the Intersection with Clinical Data Management



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CDISC 360i Roadmap to Enable Standards Driven Automation from Study Design Through Results and the Intersection with Clinical Data Management

CDISC 360i Overview, Chris Decker

Can CDISC 360i enabling Clinical Data Management?, Patrick Nadolny

Panel Discussion

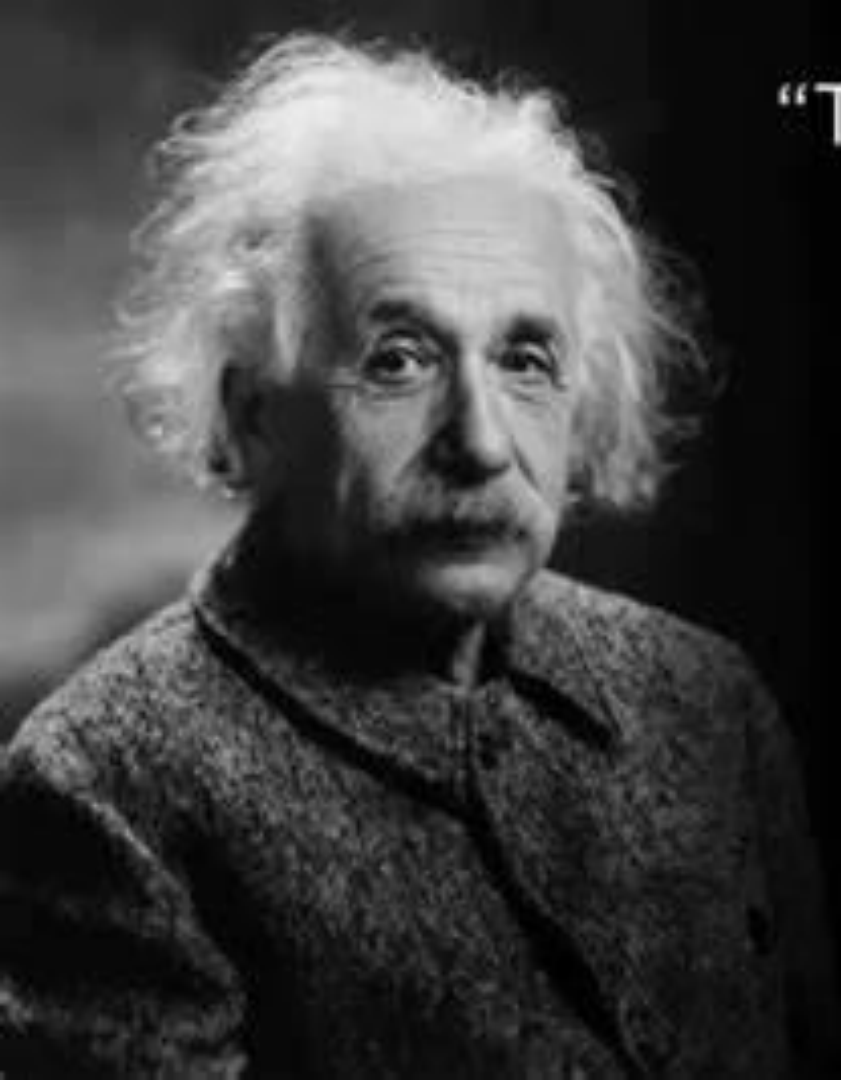
Q & A



360i Program Overview

Enabling Standards Driven Automation from Study Design Through Results





“The definition of insanity
is doing the same thing
over and over again
expecting different
results.”

—Albert Einstein



Realizing the CDISC Vision & Mission

Realizing CDISC's Mission

CDISC's **vision** is to amplify data's impact to advance research by...
creating **connected** standards across the study **information** lifecycle to enable
accessible, interoperable, and reusable data for more meaningful and effective research

CDISC Strategic Plan & Roadmap



Expand & Connect

Expand, Connect, and
Digitize Our Standards



Enable & Automate

Reduce Variability, Enable
Interoperability, and
Increase Automation



Engage & Adopt

Focus on Community
Needs and Deliver
Business Value

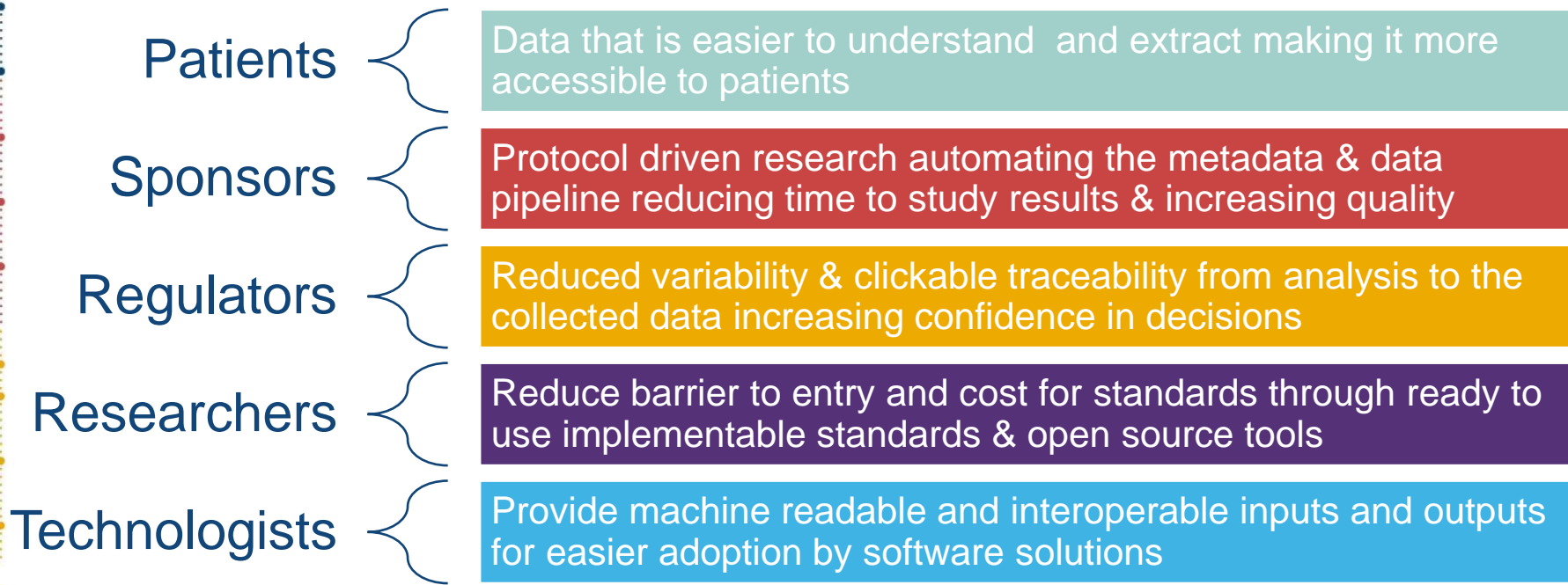
Strategic Goal:

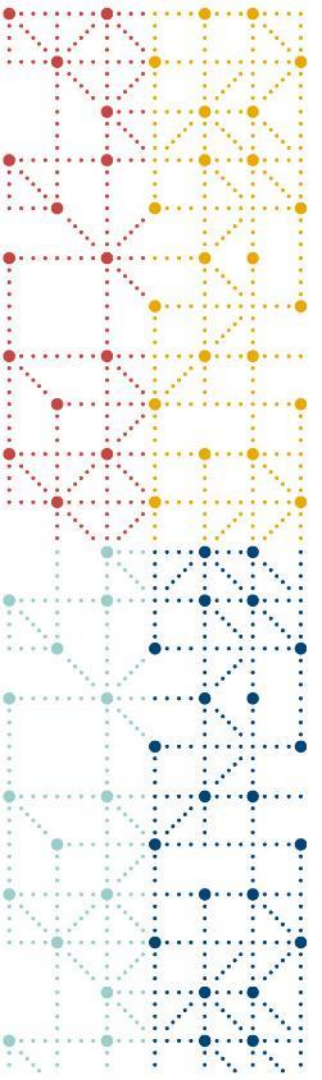
Expand and Enable standards-driven automation across end-to-end
study information lifecycle from study design through results.

CDISC will expand and realize
the original 360 vision.

Value Of A Connected World

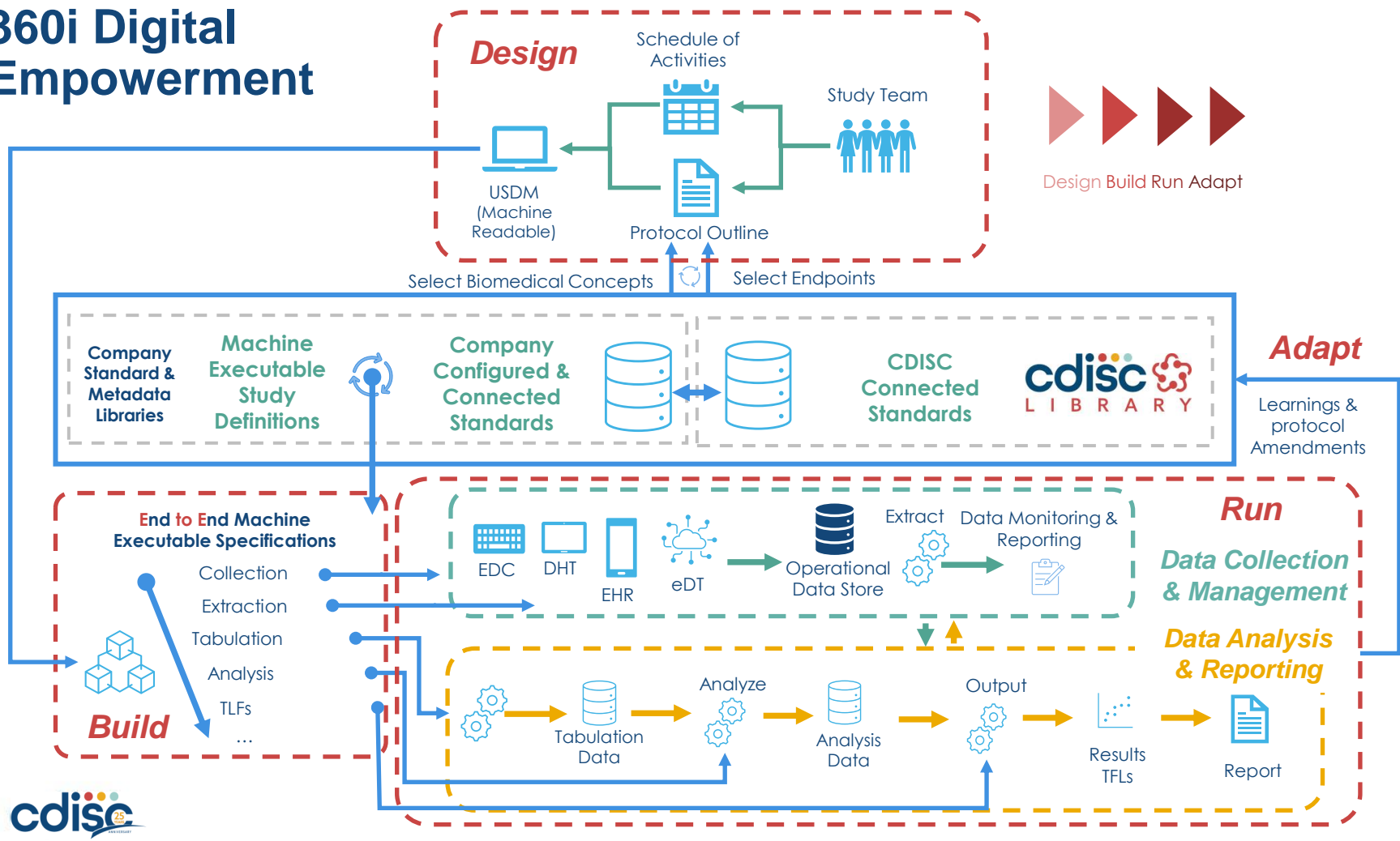
Transition standards use from necessary requirement to valuable enabler through connected and ready to use implementable standards





360i Vision and Overview

360i Digital Empowerment

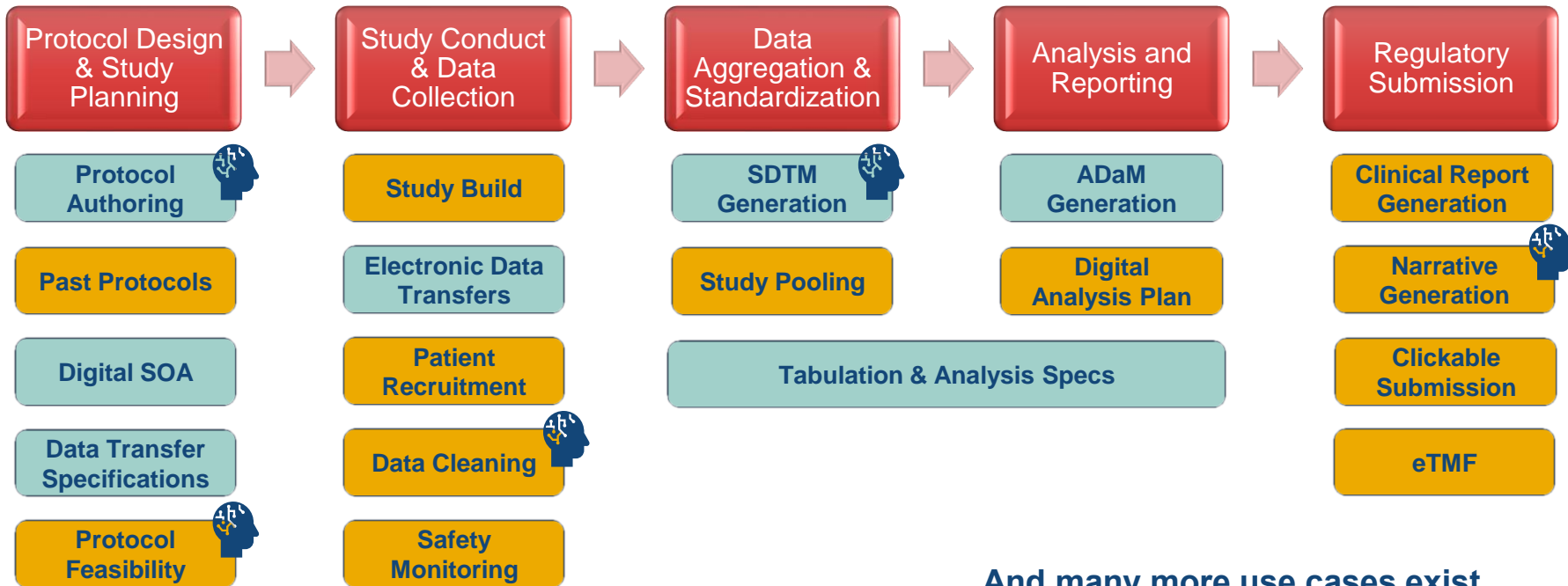


Use Cases 360i Can Enable

Potential AI
Use Cases

Initial 360i
Focus

Potential
future uses



And many more use cases exist...

Governance & Reusability

Artifact Recommendations

Semantic Interoperability

Built In Traceability

Standards Conformance

What Will 360i Deliver?

- Linked and executable metadata from study endpoint through analysis
- Includes concepts, rules, & sample data

Standards Packages



- Instructions to build standards packages
- Recipes to implement packages within your processes

Implementation Cookbooks



- Technology enabled example leveraging packages & recipes
- Library of community based open-source tools

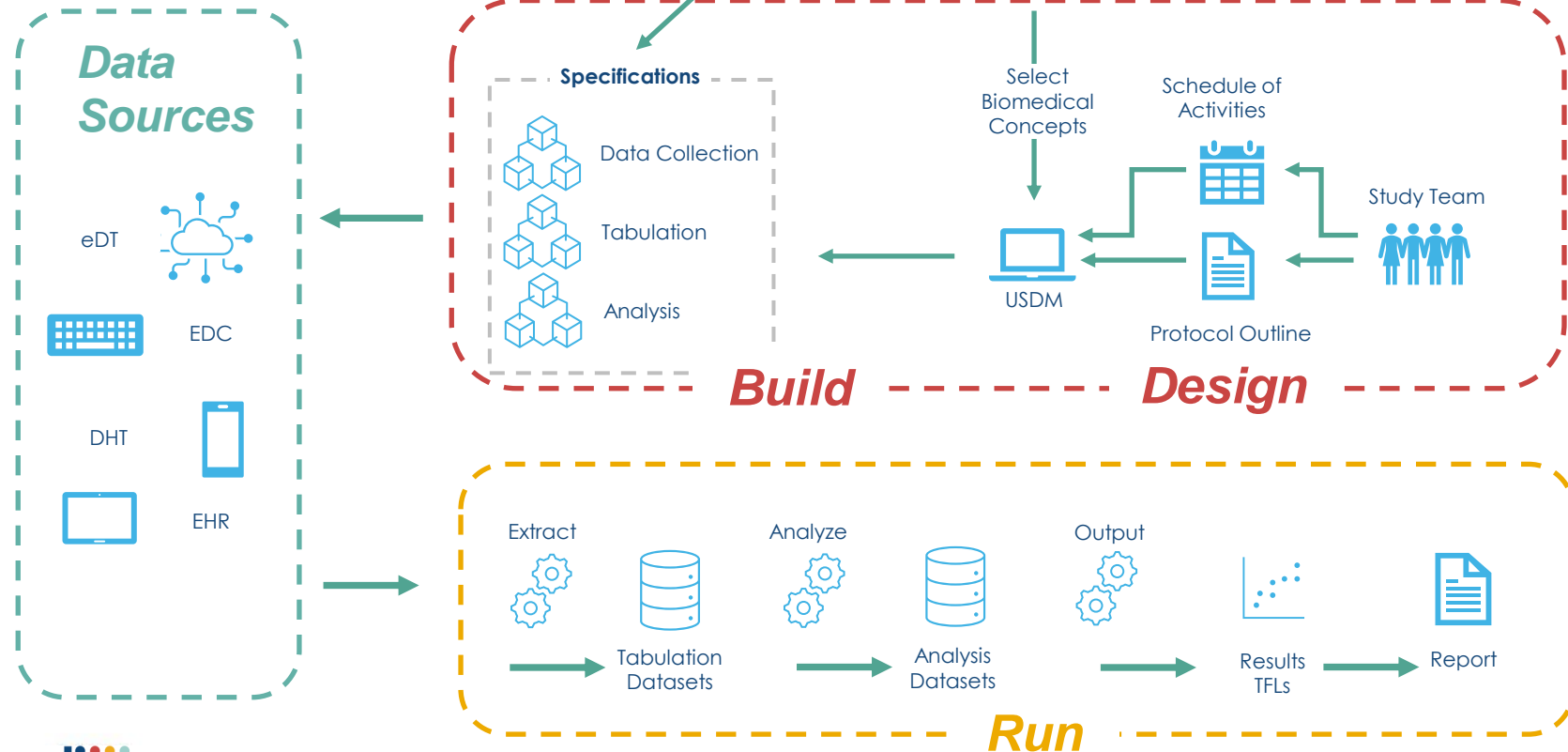
Example Implementations



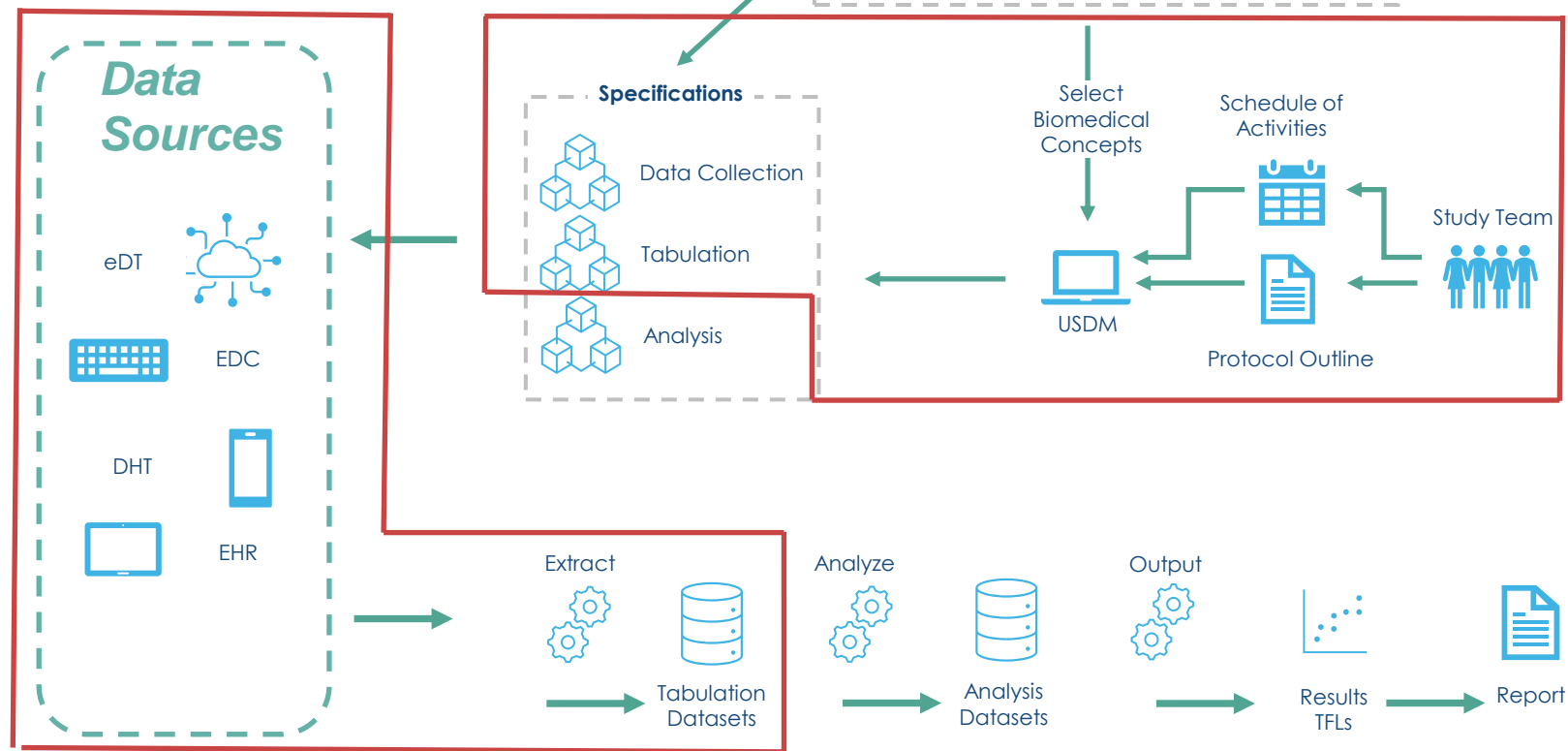


360i Phase 1: First Step in Realizing End to End Connected Standards

360i Focus



360i Phase 1



Content Scope: Implementing Breadth/Depth of Endpoints

Safety Assessments

- ✓ Demography
- ✓ Death Details
- ✓ Adverse Events
- ✓ Disposition
- ✓ Change from Baseline Labs
- ✓ Vital Signs
- ✓ Drug Induced Liver Injury (DILI)

Questionnaire

- ✓ ADAS-Cog

Digital Measure (DHT)

- ✓ Glucose Monitoring
- ✓ Steps / Movement / Sleep

Efficacy Endpoint Assessments

- ✓ Breast Cancer (RECIST)
- ✓ Alzheimer's Disease

Why This Scope?

- *Leverage what is well known and a set of artifacts already available*
- *Use diverse set of data sources to demonstrate different data pipeline flows*
- *Focused and doable – need to get it right and build the playbook*

360i Study Design



Safety Assessments

- Demography
- Death Details
- Adverse Events
 - Overview
 - By SOC and PT
 - By Freq
- Disposition
- Change from Baseline Lab
 - Chemistry
 - Hematology
 - Vital Signs

Safety Assessments

- DILI

Questionnaire

- ADAS - COG

Digital Measure (DHT)

- Glucose Monitoring
- Steps / Movement / Sleep

Efficacy Endpoint Assessments

- Breast Cancer (RECIST)
- Alzheimer's Disease



Objectives
Endpoints
Estimands



BC Curation
team

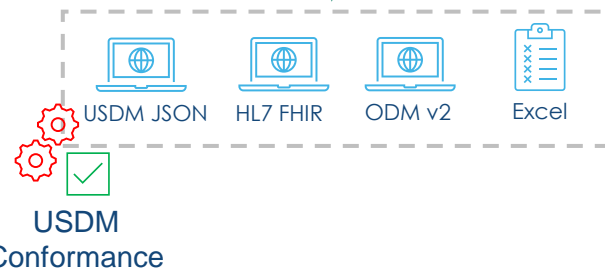
Select
Biomedical
Concepts



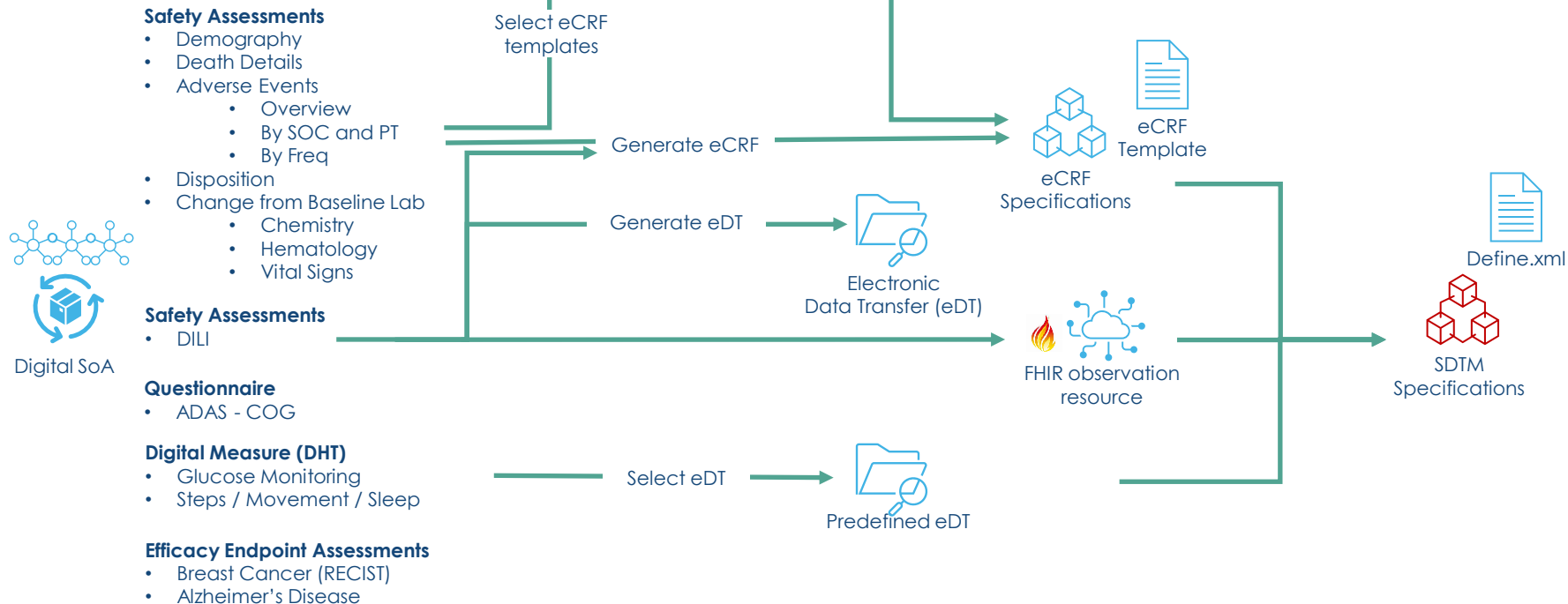
Link
Biomedical
Concepts
to SoA



Digital SoA
linked to
Biomedical
Concepts



360i Study Build



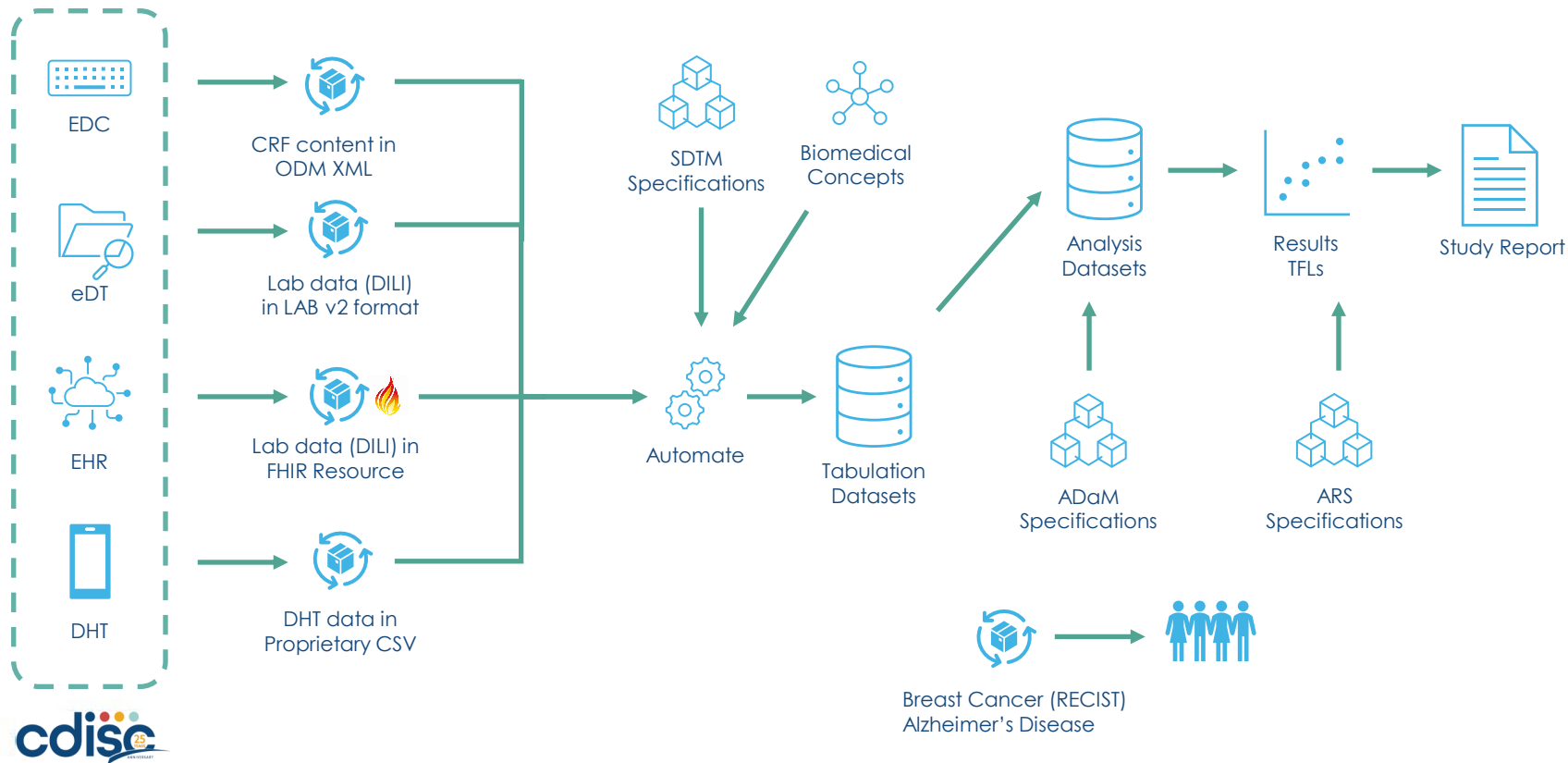
360i Study Run

Data Sources

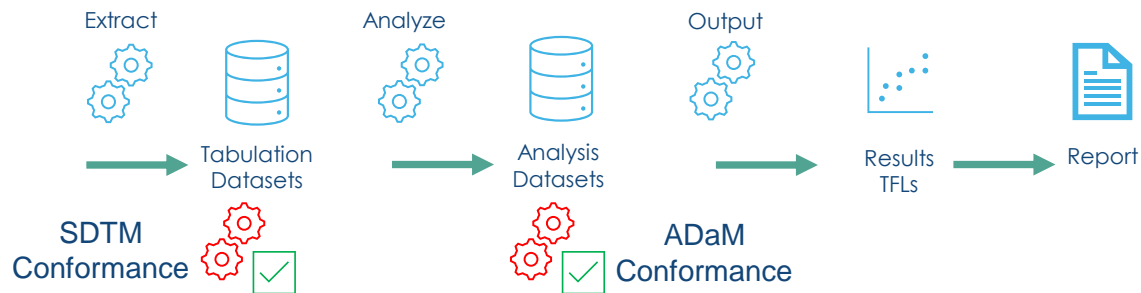
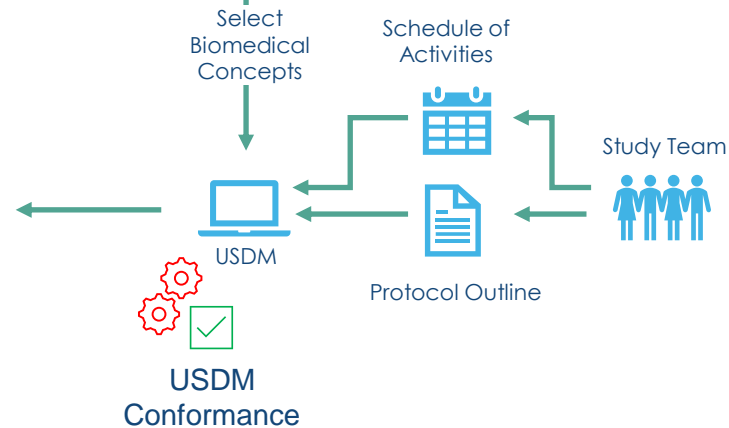
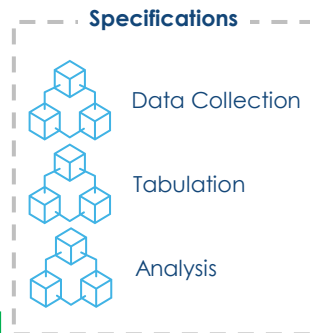
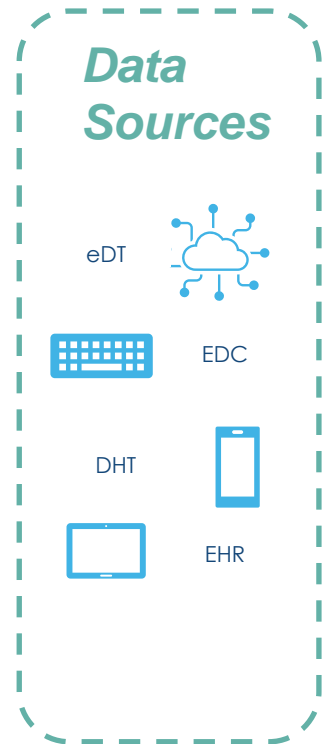
Data Standards
Biomedical Concepts
Analysis Concepts
Foundational Standards



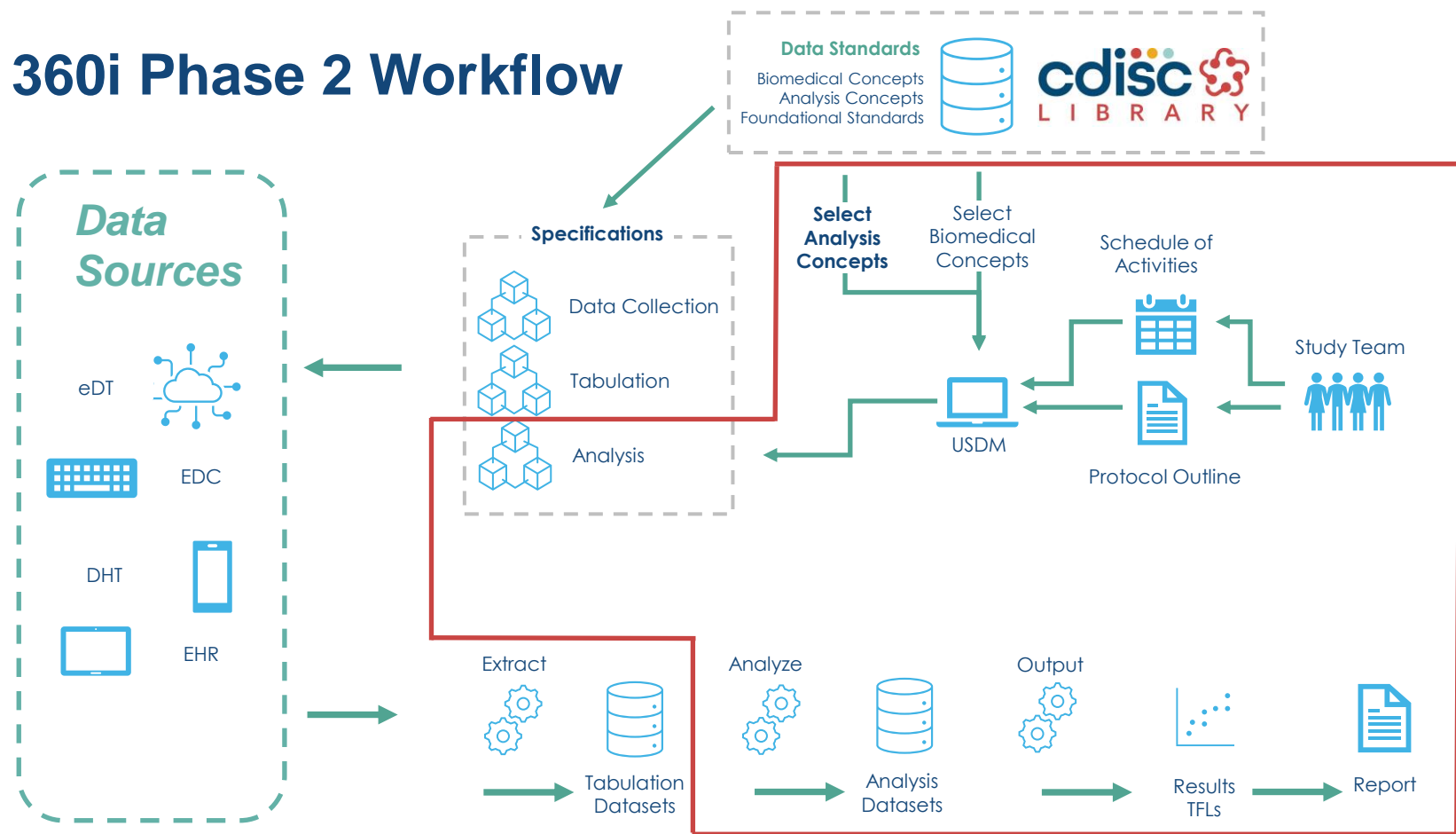
cdisc
LIBRARY



Open Rules



360i Phase 2 Workflow



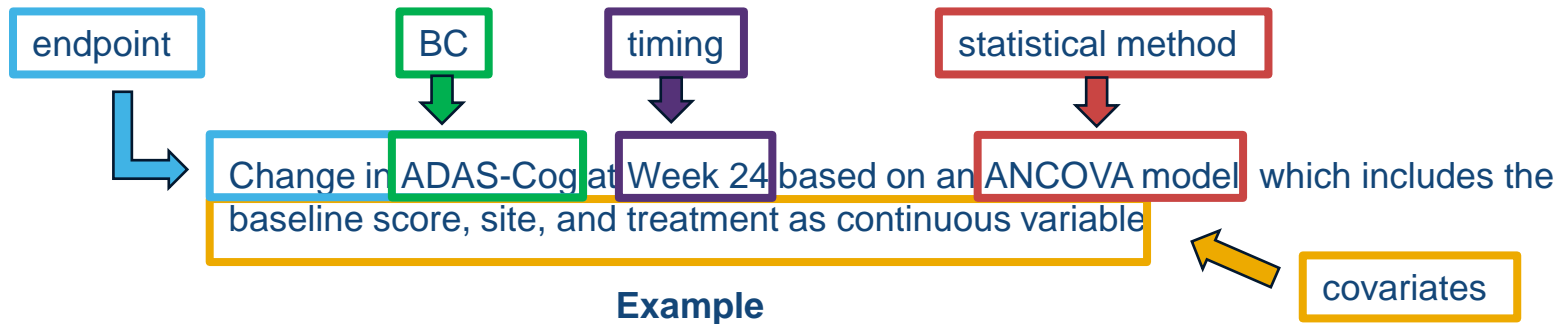
Analysis Concepts

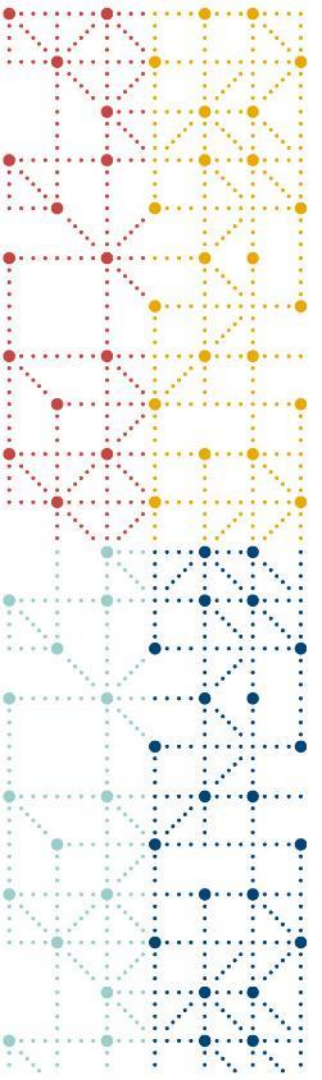
- What is an Analysis Concept?

- Collection of standardized configurable elements & methods that are needed to describe a final output or answer a clinical question
- Standard definitions in a digital statistical analysis plan

- What is the purpose of an Analysis Concept?

- Supports configuration and automation of analysis
- Informs what needs to be collected to answer the clinical question





Next Steps and How You Can Support 360i!

Next Steps

Webinar

- Share the 360i Roadmap
- Call for Action for team contributors

Kickoff: March

- Assemble contributors
- Define detailed charters
- Kickoff meeting with contributors

CDISC Interchange: May

- First Milestone: SOA to Specifications for targeted content
- F2F 360i Working meeting to define next iteration


We Need You!

- Be part of the team to drive this forward
- We need committed contributors
AND...companies that support the goal
- QR Code below to volunteer
- Make sure to select 360i from the list!



<https://www.cdisc.org/volunteer>

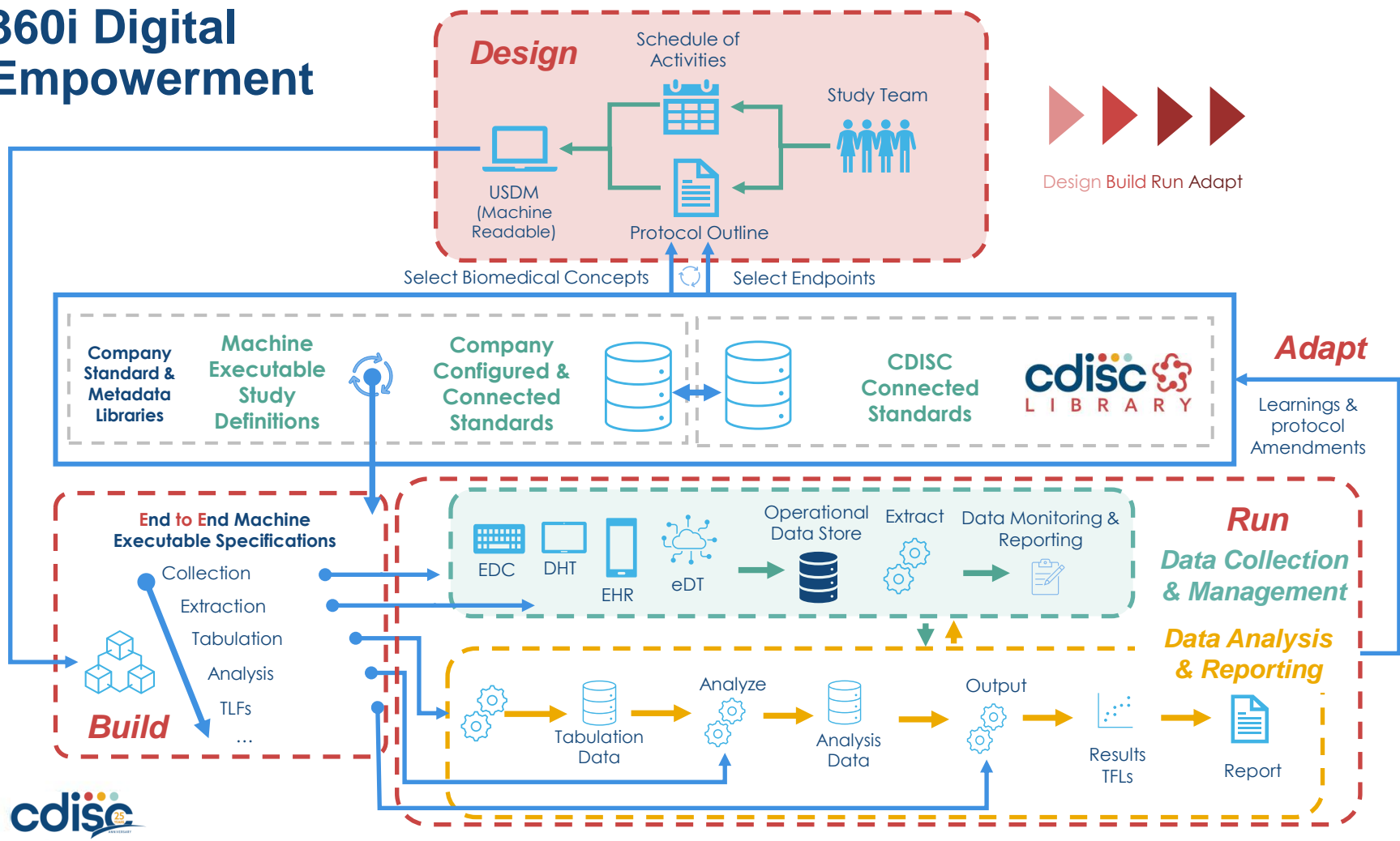
- ✓ Complete CDISC Volunteer Form
- ✓ Complete 360i Contributor Survey



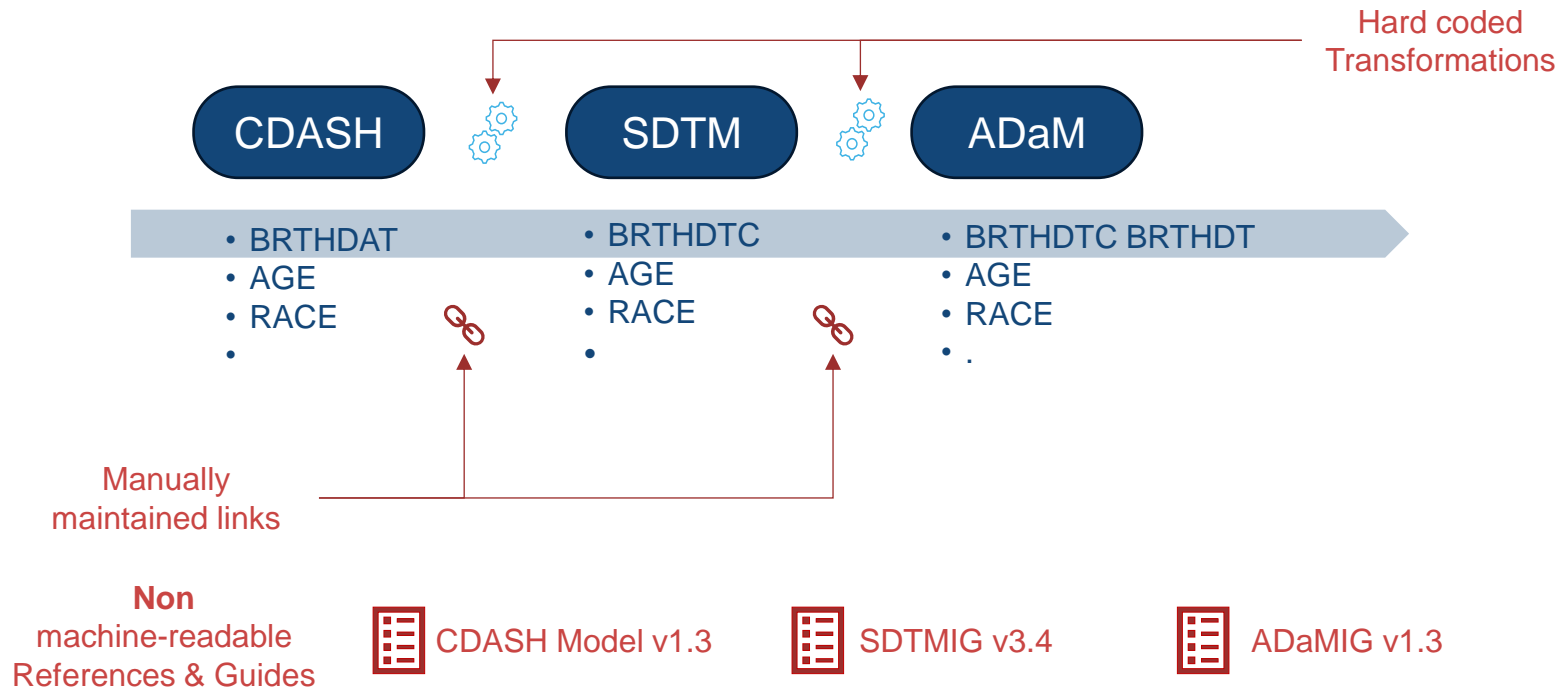
Change is the only constant in life.
One's ability to adapt to those changes
will determine your success in life.

Benjamin Franklin

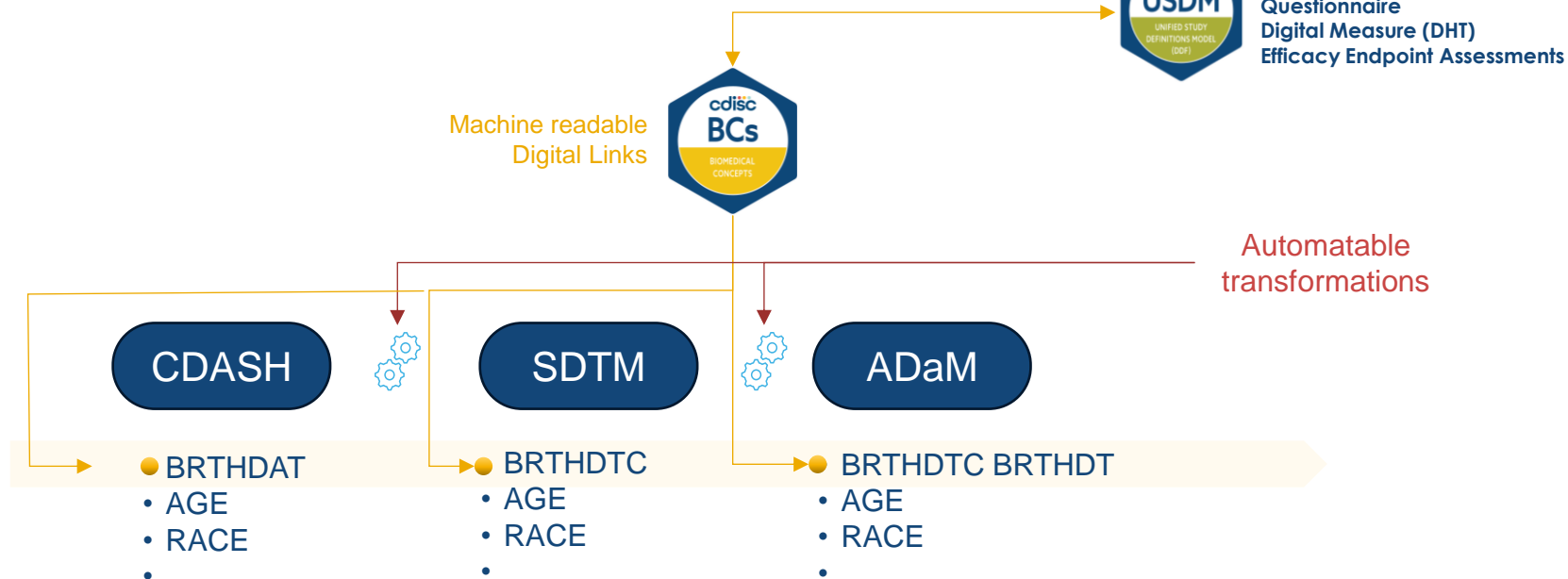
360i Digital Empowerment



Standards Mapping - TODAY'S



Standards Mapping - TOMORROW



Standards Mapping – VISION



Demographics
Safety Assessments
Questionnaire
Digital Measure (DHT)
Efficacy Endpoint Assessments

Hepatic BC Query



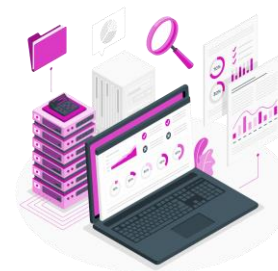
DATA

- Date Of Birth
- Age
- AE Verbatim
- AE Start Date
- AE End Date
- AE Severity
- Medications
- Labs Values
- ..

Filters & Triggers

- > Over 50 (T)
- SMQ (Hepatic Disorders) (F & T)
- Moderate & Severe (F)
- Who DD Query (Hepatic) (F)
- LOINC Codes (Hepatic) (F)

Auto Generated
Data Reviews Solutions

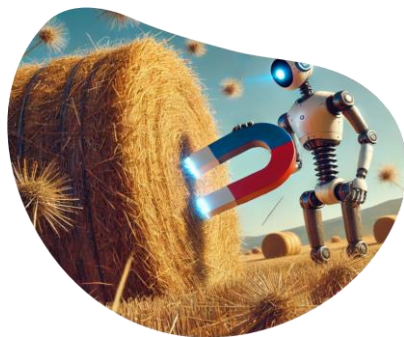


CDASH

SDTM

ADaM

Standards Mapping – VISION



PROTOCOL



DATA DRIVEN ACTIONS

DATA



Hepatic Alerts

PANEL DISCUSSION – Q&A



Chris Decker
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Patrick Nadolny
SCDM & CDISC Board
Head CDM, Sanofi



Ward Lemaire
SCDM Board
Head of CDM & CM
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