

2nd July 2024

Bill Illis, Novartis, DDF Workstream Lead John Owen, CDISC Dave Iberson-Hurst, CDISC Berber Snoeijer, CDISC



Digital Data Flow

An Overview
For CDISC DDF Phase 4 Public Webinar

July 2, 2024



DDF Initiative encompasses Technical Standards & Solutions, Change Management, and Industry Engagement



cdisc

Unified Study Definitions Model (USDM) Reference Architecture TransCelerate's Study Definitions Repository (SDR) Reference Implementation



Digital Data Flow Initiative

Growing Solution

Suite of DDF Adoption
Resources, Videos & Change
Management Tools





Continued Industry Collaboration between TransCelerate, CDISC ICH, and HL7













*Company logos illustrate current involvement and are not used to imply endorsement of specific vendors for DDF or to identify a comprehensive list of all actual or potential future participants in DDF.



DDF Evolution: Phases One to Four

CDISC's USDM Reference Architecture



USDM Data Model



API Specification



CDISC Controlled Terminology



Implementation Guide



Test Files



Conformance CORE Rules

TransCelerate's SDR & **Implementation** Support



Study Definitions Repository (SDR)



Common Protocol Template (CPT) Lo Interface Tool – POC



Implementation Architecture **Scenarios Toolkit**



Persona Toolkits (MW, DM, IT)



Cloud-agnostic SDR POC



Vendor Solution Directory

PHASE ONE

July 2021 -July 2022







PHASE TWO

Oct 2022 -Sep 2023















PHASE THREE

July 2023-May 2024























Apr 2024-1Q 2025

























DDF Use Cases

From machine actionable Protocol authoring to automation of downstream connectivity

Study Execution / Data **Regulatory Submission** Study Start-up **Analysis & Reporting Enablement** Acquisition Protocol development to approval Connectivity to downstream systems Use cases to automate downstream processes and enable E2E Use cases to improve study design and analytics traceability Predictive model -Ingestion and mining Compute protocol Provision of study Generation of SDTM Setup of data of retrospective complexity, site information to a likelihood of Trial Design datasets capture systems Amendments protocol data burden, etc Clinical Trial Registry Determine study feasibility Publishing Protocol Data Update CTMS, TMF, and Optimizing Inclusion / including subject into different document other downstream **Exclusion Criteria** recruitment templates/views systems



"As a medical writer, the digitalization of data flows enables me to work faster with my team on one dedicated system, accessing study content in a single digital study design system.



"As a data manager, the digitalization of end-to-end processes from study design to EDC generates structured data that can be leveraged to track outcomes and progress made



"As a technical expert, the digitalization of data flows reduces tedious manual work freeing up time for more complex projects that cannot be automated (value-added activities focus).

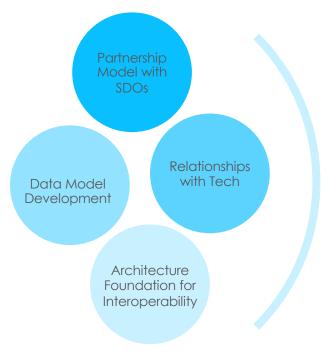
Collaboration amplifies Value of Multiple Initiatives

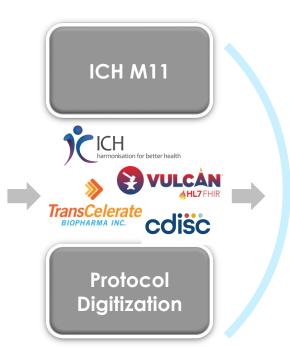
ICH M11, Vulcan, CDISC, TransCelerate collaborate on Digital Protocol

Capabilities, expertise, and relationships built to date across multiple projects

collaborating to maximize synergies & collective resources

will extend the value of multiple initiatives across the ecosystem





Regulatory-driven implementation of Harmonized Protocol Guideline

Regulator Receipt of Digitized Protocol (USDM + FHIR)

Operational & EHR-related Uses of Digitized Protocols



Additional Opportunities to Stay Involved with DDF

You can stay involved and learn more about the Digital Data Flow initiative by visiting the following websites:



DDF Website

As the main website for DDF, learn and access all resources supporting DDF



Scan QR Code to explore DDF Website



CDISC DDF Website

Learn about and access the Unified Study Definitions Model (USDM) Reference Architecture supporting Protocol Standards.



<u>TransCelerate DDF</u> <u>Initiative Solutions</u>

Learn about DDF initiative background and roadmap



DDF GitHub Repos

Learn about and access the Study Definitions Repository Reference Implementation and supporting codebase



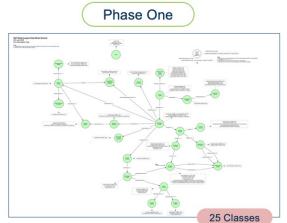
Questions? Feedback? Please email us at

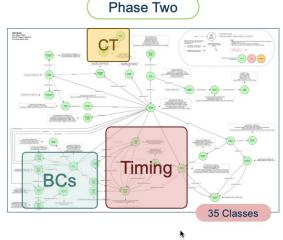
DDF@transceleratebiopharmainc.com

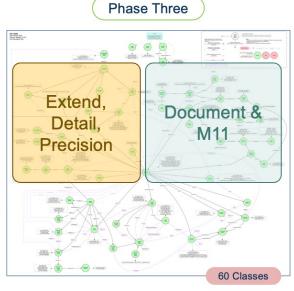




CDISC DDF / USDM: Phases One, Two and Three







- · Solid foundation
- The protocol document was an external entity into which the structured content could be exported
- Focused on the structured elements of the protocol, e.g. the Schedule of Activities (SoA) & BCs
- The protocol document still an external entity
- Now contains structured and unstructured elements
- The entire protocol document can be held within the USDM
- Allows for the protocol document to be generated from the model



Phase Four Focus

- USDM Enhancements Further IDMP Alignment, M11 amendments and versions, complex studies designs such as multiphase seamless designs, additional trial registration mappings, and statistical / estimands enhancements
- Continued alignment of USDM with ICH M11
- Participation in the Utilizing the Digital Protocol (UDP) project with TransCelerate, ICH and HL7 Vulcan
- Continue development of USDM Conformance Rules to support USDM v3.0 and v4.0
- Continue support and development of test data and test tools
- Development of training and education materials in conjunction with TransCelerate's Change and Engagement team to foster adoption of DDF
- Trial Master File (TMF) and ensuring the initial needs of TMF are accommodated within the USDM





Unified Study Definitions Model (USDM)
Reference Architecture (RA)

DDF RA Phase Four Deliverables



Unified Study Definitions Model (USDM) Class Diagram

The UML class diagram (normative) as well as SQL Data Dictionary, Entity Relationship Diagram and example JSON output (informative)



Application Programming Interface (API) Specification

The API definition (normative) in JSON and HTML forms



CDISC Controlled Terminology

The controlled terminology (normative) developed for the project. Provided in an Excel format so as to be easily searched and filtered.



Test Files

Examples of USDM JSON files



Implementation Guide

Explanation of the model and its use, examples etc



Conformance Rules

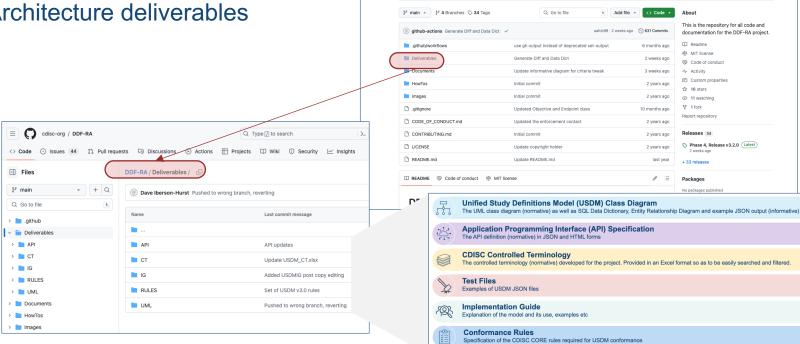
Specification of the CDISC CORE rules required for USDM conformance





DDF Reference Architecture Github

 The source of DDF Reference Architecture deliverables



C cdisc-org / DDF-RA = / DDF-RA-workspa

DDF-RA Public
generated from cdisc-org/COSAHackathonTemplat

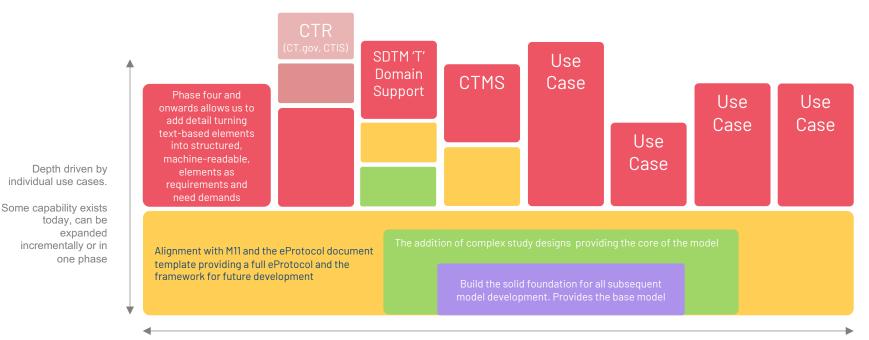


https://github.com/cdisc-org/DDF-RA



Breadth versus Depth





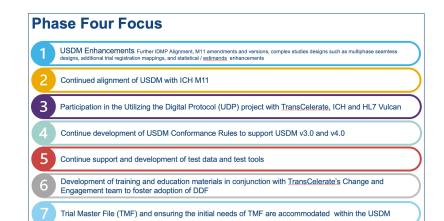
Breadth driven by the bounds of the M11 Technical Specification

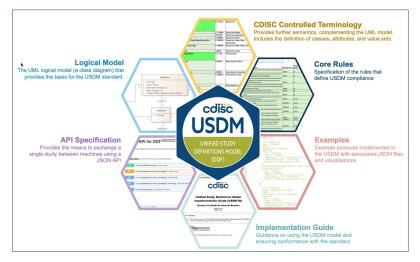


Phase 4 Overview

- More focus on refinement rather than new content
- Need to pay attention to backward compatibility
- ICH M11 is, obviously, still important
- Model rules and CORE are now part of the standard

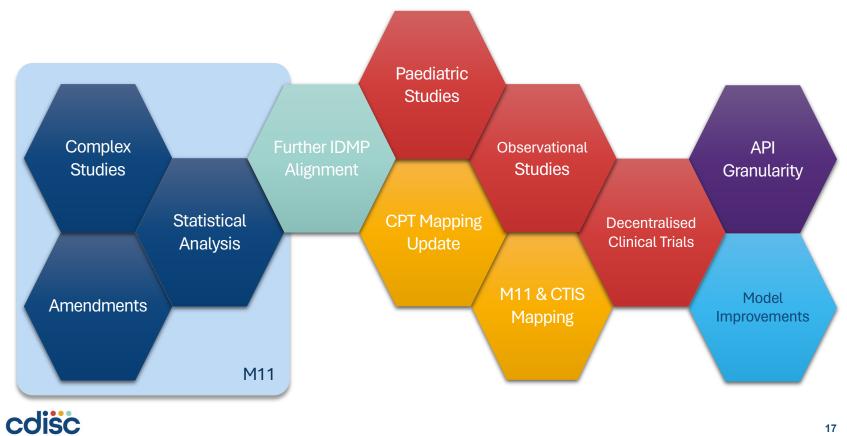








Model Updates - Overview



Model Updates

M11 Dependent Changes

- Ensure support for master, umbrella, multi-phase seamless, and other complex designs is sufficient
- Ensure USDM
 accommodates the latest
 M11 updates re. statistical
 analysis changes
- Ensure USDM accommodates the latest M11 updates re. amendment changes

Identification of Medicinal Products (IDMP)

• Ensure we have good alignment

API Granularity

 Consider a more granular API to facilitate adoption and tool integration

Model Improvements

- CT definitions and extensibility
- Support for multiple document templates

Study Type Support

 Ensure support for a wider range of study types

Mappings

- Update CPT mapping
- Complete mapping to M11 and include EU Clinical Trial Information System (CTIS)

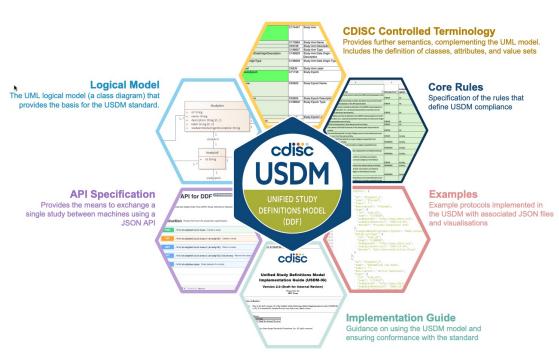






Adoption and Feedback

- SoA Views
 - What is USDM capable of supporting, options etc
- Trial Master File
 - Downstream use of USDM
- Sponsor / Vendor feedback
 - · Treat as review comments
- Automation versus Analytics
 - The prospective versus retrospective use of the model









Test Data

- Currently two studies aligned with USDM Version 3
 - "CDISC Pilot", Lilly LZZT
 - Lilly Diabetes
- One study used for Workshop at Berlin Interchange
 - Needs a check / review
 - USDM V3
- Have LZZT using M11 presentation / template
 - Needs a little work
 - · Note, same logic, different document template
- A further study needs an update from USDM V2 to V3
 - · Roche study
- Then we will do:
 - Complex Sponsor
 - Observational example
- And then ...
 - · Live at the CDISC Interchange ...

Protocol Amendment 3.1 (US) 18 Mar 2022 ALXN1840-WD-204 NCT #: NCT04573309

TITLE PAGE

Protocol Title:

A Phase 2, Open-label Study to Assess Copper and Molybdenum Balance in Participants with Wilson Disease Treated with ALXN1840

Protocol Number: ALXN1840-WD-204

Amendment Number: 3.1 (US)

Compound: ALXN1840 (bis-choline tetrathiomolybdate)

Study Phase: 2

Short Title: Copper and Molybdenum Balance in Participants with Wilson Disease Treated with ALXN1840

Sponsor Name: Alexion Pharmaceuticals, Inc.

Legal Registered Address:

121 Seaport Boulevard Boston, MA 02210 USA

Regulatory Agency Identifier Number(s)

EudraCT: 2020-001104-41

IND: 119006

Approval Date:

Original Protocol	12 May 2020
Amendment 1	18 Aug 2020
Amendment 2	19 Mar 2021
Amendment 3	31 Aug 2021
Amendment 3.1 (US)	18 Mar 2022





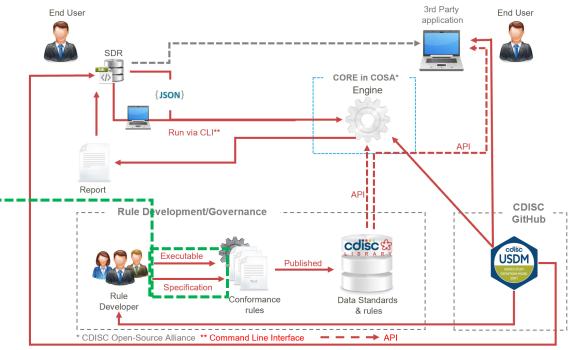


Conformance Rule Development

DDF 3 and CORE

DDF 4 will initially focus on development of the rule specifications to support USDM v3.0 and v4.0

Additional DDF 4
conformance rule work
may be conducted during
Phase 4 in order for the
CORE engine to run all
DDF rules





Conformance Rule Development

Phase 3

- Updated CORE engine to enable uptake of USDM API
- o Created test template to enable technical implementation of rules using YAML in rule editor
- o Improved technical capabilities for implementing rules like combining datasets
- o Identified additional technical capabilities that are needed for implementing all rules

• Phase 4

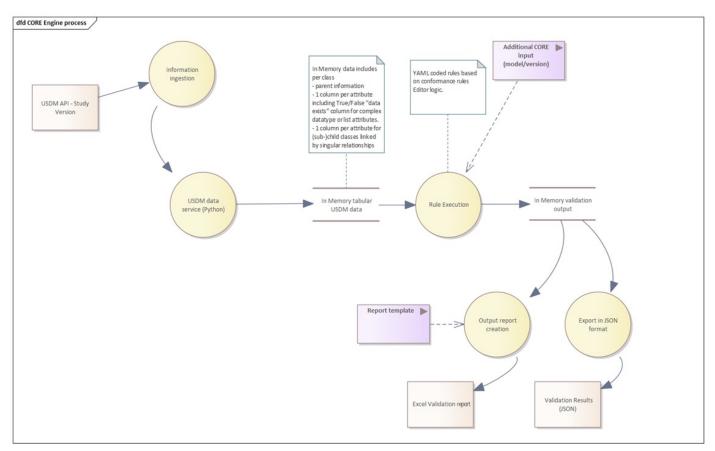
- Define full set of USDM v3.0 rules
- o Define full set of USDM v4.0 rules alongside with model improvements
- o Technical implementation of rules if technically feasible with current rules

Future updates

- Enable direct JSON checks
- Enable JSON schema checks
- o Enable XML checks
- Update CORE report template to USDM format
- o Add more technical capabilities to enable all USDM checks



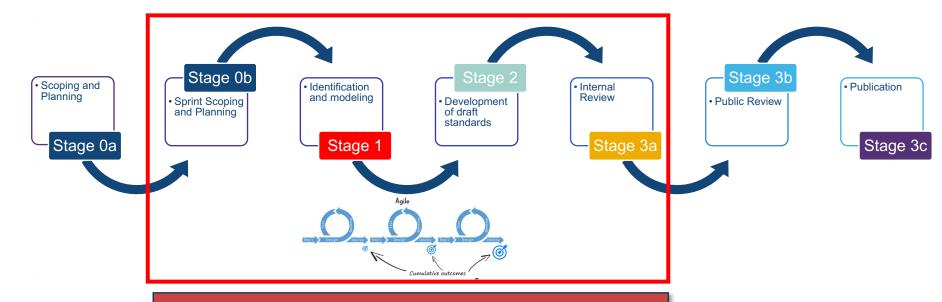
USDM CORE process







CDSIC Standards Development Process (COP-001)



Parts of Stage 0b – 3a take place for each draft release.

- After Stage 0a, the sprints begin and a small scoping effort happens as part of the planning for each sprint
- > An Inernal review step happens after each draft release.



Public Bayiew

Development and Review

2024

Day	Date	Week# ▼		Stage	Sprint #
Wednesday	17-Apr-24	1	Scoping		
Wednesday	24-Apr-24	2	Scoping		
Wednesday	01-May-24	3	Scoping	Development Sprints	1
Wednesday	08-May-24	4	Scoping	Development Sprints	1
Wednesday	15-May-24	5	Scoping	Development Sprints	2
Wednesday	22-May-24	6	Scoping	Development Sprints	2
Wednesday	29-May-24	7	Scoping	Development Sprints	3
Wednesday	05-Jun-24	8	Scoping	Development Sprints	3
Wednesday	12-Jun-24	9	Scoping	Development Sprints	4
Wednesday	19-Jun-24	10	Scoping	Development Sprints	4
Wednesday	26-Jun-24	11	Scoping	Development Sprints	5
Wednesday	03-Jul-24	12	Scoping	Development Sprints	5
Wednesday	10-Jul-24	13	Scoping	Development Sprints	6
Wednesday	17-Jul-24	14		Development Sprints	6
Wednesday	24-Jul-24	15		Development Sprints	7
Wednesday	31-Jul-24	16		Development Sprints	7
Wednesday	07-Aug-24	17		Development Sprints	8
Wednesday	14-Aug-24	18		Development Sprints	8
Wednesday	21-Aug-24	19		Development Sprints	9
Wednesday	28-Aug-24	20		Development Sprints	9
Wednesday	04-Sep-24	21		Development Sprints	10
Wednesday	11-Sep-24	22		Development Sprints	10
Wednesday	18-Sep-24	23		Development Sprints	11
Wednesday	25-Sep-24	24		Development Sprints	11
Wednesday	02-Oct-24	25		Development Sprints	12
Wednesday	09-Oct-24	26		Development Sprints	12
Wednesday	16-Oct-24	27	_	Development Sprints	13
Wednesday	23-Oct-24	28	3 wk	Development Sprints	13
Wednesday	30-Oct-24	29		Development Sprints	13
Wednesday	06-Nov-24	30		Development Sprints	14
Wednesday	13-Nov-24	31	3 wk	Development Sprints	14
Wednesday	20-Nov-24	32		Development Sprints	14
Wednesday	27-Nov-24	33		Development Sprints	15
Wednesday	04-Dec-24	34		Development Sprints	15
Wednesday	11-Dec-24	35		Development Sprints	16
Wednesday	18-Dec-24	36		Development Sprints	16
Wednesday	25-Dec-24	37		CDISC Closed	
Wednesday	01-Jan-25	38		CDISC Closed	

Development

2025

Davi	Data	- -		Conina #
Day Wednesday	Date 01-Jan-25	Week # ▼ 38	Stage CDISC Closed	Sprint #
Wednesday	08-Jan-25	39	Development Sprints	17
Wednesday	15-Jan-25	40	Development Sprints	17
Wednesday	22-Jan-25	41	GGG Approval	18
Wednesday	29-Jan-25	42	GGG Approval	18
Wednesday	05-Feb-25	43	Public Review	19
Wednesday	12-Feb-25	44	Public Review	19
Wednesday	19-Feb-25	45	Public Review	20
Wednesday	26-Feb-25	46	Public Review	20
Wednesday	05-Mar-25	47	Fix Sprints	21
Wednesday	12-Mar-25	48	Fix Sprints	21
Wednesday	19-Mar-25	49	Fix Sprints	22
Wednesday	26-Mar-25	50	Fix Sprints	22
Wednesday	02-Apr-25	51	QC Sprint	23
Wednesday	09-Apr-25	52	QC Sprint	23
Wednesday	16-Apr-25	53	GGG Approval	
Wednesday	23-Apr-25	54	Publication	

USDM v4.0





ICH M11



M11 Is ...

ICH CLINICAL ELECTRONIC STRUCTURED HARMONISED PROTOCOL (CeSHarP)

https://www.ich.org/page/multidisciplinary-guidelines



INTERNATIONAL COUNCIL FOR HARMONISATION OF TECHNICAL REQUIREMENTS FOR PHARMACEUTICALS FOR HUMAN USE

ICH HARMONISED GUIDELINE

CLINICAL ELECTRONIC STRUCTURED HARMONISED PROTOCOL (CESHARP)

M11

Draft version

Endorsed on 27 September 2022

Currently under public consultation

At Step 2 of the ICH Process, a consensus draft text or guideline, agreed by the appropriate ICH Expert Working Group, is transmitted by the ICH Assembly to the regulatory authorities of the ICH regions for internal and external consultation, according to national or regional procedure.

Defines the background, purpose and scope



INTERNATIONAL COUNCIL FOR HARMONISATION OF TECHNICAL REQUIREMENTS FOR PHARMACEUTICALS FOR HUMAN USE

ICH HARMONISED GUIDELINE

CLINICAL ELECTRONIC STRUCTURED HARMONISED PROTOCOL (CESHARP)

M11 TEMPLATE

Draft version

Endorsed on 27 September 2022

Currently under public consultation

At Step 2 of the ICH Process, a consensus draft text or guideline, agreed by the appropriate ICH Expert Working Group, is transmitted by the ICH Assembly to the regulatory authorities of the ICH regions for internal and external consultation, according to national or regional procedures.

The specification of the Protocol Document Template that contains embedded data elements



INTERNATIONAL COUNCIL FOR HARMONISATION OF TECHNICAL REOUIREMENTS FOR PHARMACEUTICALS FOR HUMAN USE

ICH HARMONISED GUIDELINE

CLINICAL ELECTRONIC STRUCTURED HARMONISED
PROTOCOL
(CESHARP)

M11 TECHNICAL SPECIFICATION

Draft version

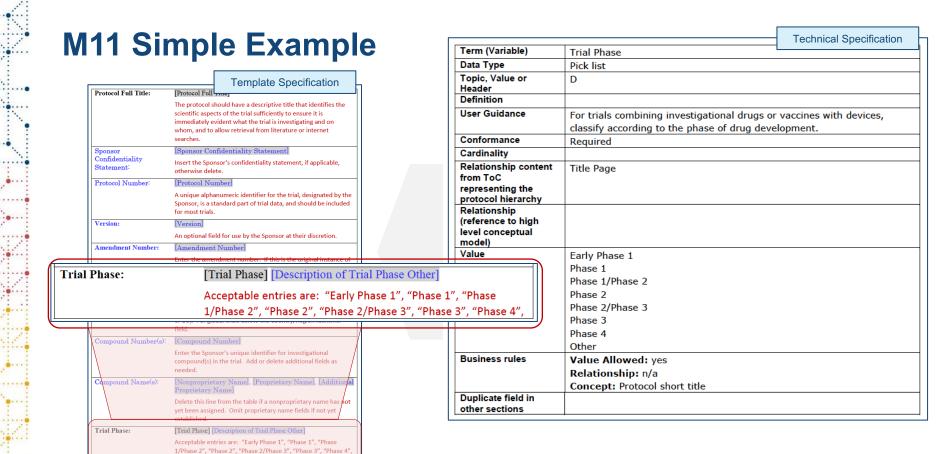
Endorsed on 27 September 2022

Currently under public consultation

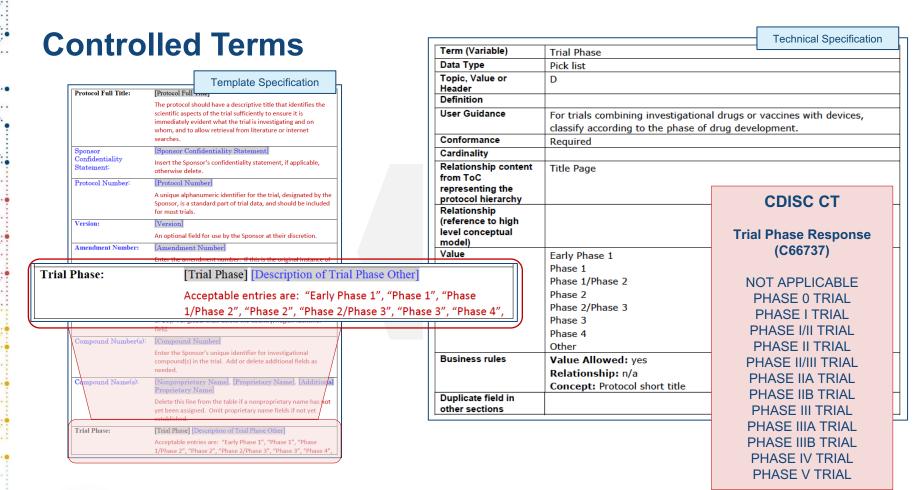
At Step 2 of the ICH Process, a consensus draft text or guideline, agreed by the appropriate ICH Expert Working Group, is transmitted by the ICH Assembly to the regulatory authorities of the ICH regions for internal and external consultation, according to national or regional procedures.

Provides a set of data element definitions aligned with the template specification











ICH M11 and Controlled Terminology

- "Memorandum of Understanding for CDISC to facilitate the governance and maintenance of ICH terms and definitions"
- This will ensure that USDM and M11 CT is closely aligned

ICH M2 EWG Work Plan March 11, 2024

Topic Adoption date: October 1994

Rapporteur: Mr. Hao (Ray) Wang, FDA, United States, Dr. Mihoko Okada, MHLW/PMDA, Japan

Regulatory Chair: Dr. Stephan Jaermann, Swissmedic, Switzerland

Last Face-to-Face Meeting: Berlin, Germany, June 2023

2. Timeline for specific tasks

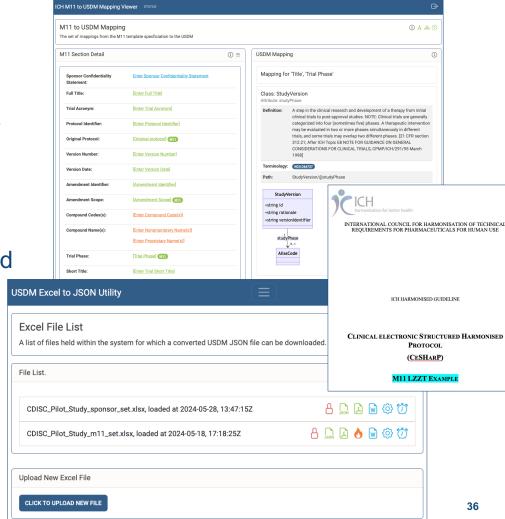
(Note: periodic administrative activities such as SDO liaison activities are not included)

Beginning date	End date	Task / Activity	Details		
Recurring	Recurring	Evaluate ICH topics at step 3 or 4 for technical risks and opportunities – stage 2			
Jan. 2024	May. 2024	ICH CIOMS Glossary of Terminology Collaborative framework	Establish a collaboration framework between ICH and CIOMS for exploration of opportunities focused on enhancing the use of CIOMS Glossary of Terminology		
Oct. 2023	May. 2024	ICH CDISC MoU	Reach consensus on a MoU for CDISC to facilitate the governance and maintenance of ICH terms and definitions, in preparation for June ICH meeting.		

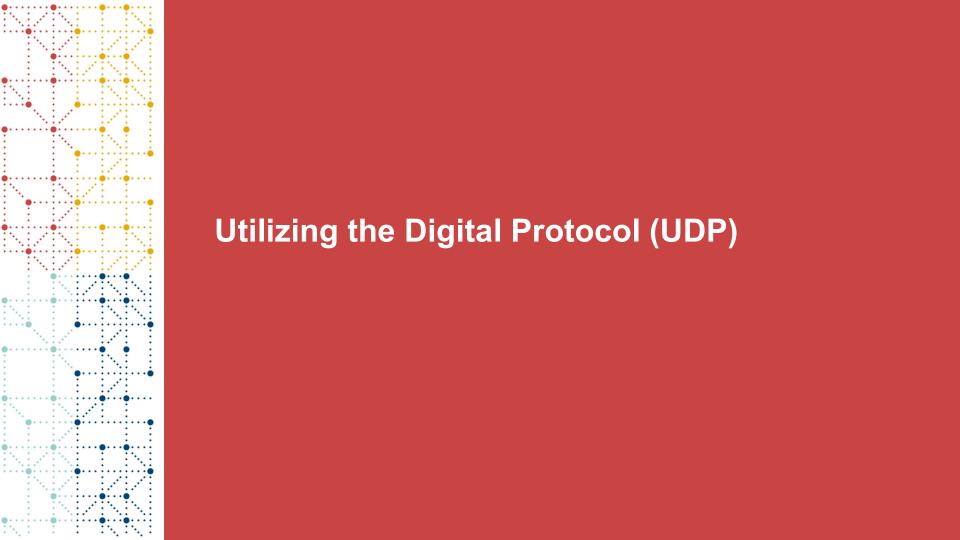


USDM M11 Capability

- USDM V3 can "store" protocols using
 - Sponsor templates
 - The M11 template
- Further work will be performed in Phase 4 to ensure USDM and M11 are aligned as M11 continues to evolve
- We now have LZZT in "M11 Template" format for test purposes







ICH M11, CDISC & HL7

- "FHIR-based exchange standard for ICH's Clinical electronic Structured Harmonised Protocol (CeSHarP), aligned to CDISC standards"
- Work is focused on an initial use case of transmission of a M11 protocol from Sponsor to a Regulator







For Immediate Release

Vulcan/HL7 Contact: Andrea Ribick (734) 726-0289 andrea@HL7.org

CDISC Contact: Ann P. White (512) 363-5826 awhite@cdisc.org

Vulcan FHIR® Accelerator Connects CDISC, HL7, and ICH M11 in a Project to Digitize Exchange of Clinical Research Protocols

HL7 Vulcan and CDISC are announcing a project that will deliver an electronic exchange standard for the ICH M11 Clinical electronic Structured Harmonised Protocol (CeSHarP)

Ann Arbor, MI. and Austin, TX — June 6, 2023 — A structured, harmonized, digitized protocol accessible to the biopharmaceutical industry and to researchers in the care setting will enable transformations to improve clinical research. The project announced by HL7 Vulcan and CDISC will build on work products of ICH M11 to accelerate this vison. Vulcan is an HL7® FHIR Accelerator dedicated to connecting clinical and translational research to clinical care through Fast Healthcare Interoperability Resources (FHIR®). CDISC is a non-profit standards development organization that develops standards that support acquisition, exchange, submission, and archive of biopharmaceutical data. CDISC is also a member of Vulcan. ICH M11 is the topic of the International Council for Harmonization to create a Clinical electronic Structured Harmonised Protocol (CeSHarP).

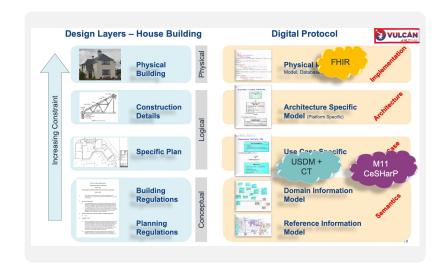
"The project marks an important milestone in the long journey towards a digital protocol." said Vulcan Co-Chair, Amy Cramer. "Over the years, various organizations have contributed key building blocks. Vulcan is pleased to serve as a convener where contributors across the global research community can collaborate towards this shared and important doal."

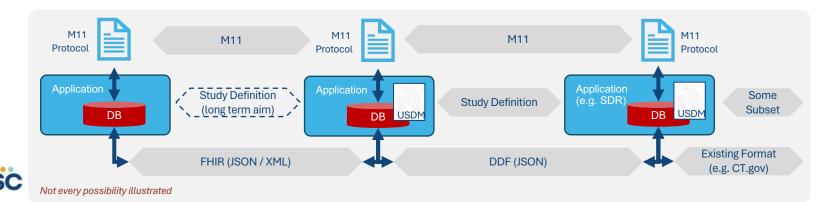
"We are looking forward to partnering with ICH M11 and HL7 on this important project that aims to enable the digital transformation of protocols in support of automation," said David Evans, President and CEO, CDISC. "This project represents another step in CDISC's strategic evolution to embrace governance of clinical research information standards, not just clinical data standards."



USDM and M11 FHIR

- USDM will be consistent and aligned with the M11 Template and the M11 FHIR message
- Note that, currently, the USDM has a wider scope than the M11 template
- Key aim is to ensure consistency across use cases





HL7 FHIR Connectathon

Dallas, May 2024



Matt Elrod, ONC

VULCAN

ICH M11/M2

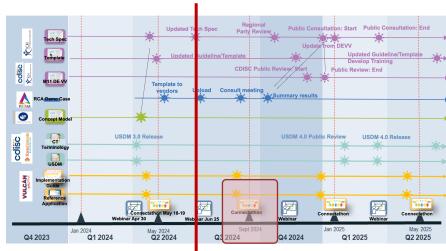
cdisc

- Hugh Glover, Vulcan TRACK LEAD
- Dave Iberson-Hurst, CDISC
- Dan Newingham, ZS Associates
- Jmita Parekh, ICH M11/M2

Next Steps

- Now developing the message/profile based on the experience of the first connectathon
- This includes "structuring"
 - Title page
 - Objective and endpoints
 - Inclusion and exclusion criteria
- Next connectathon is in September in Atlanta

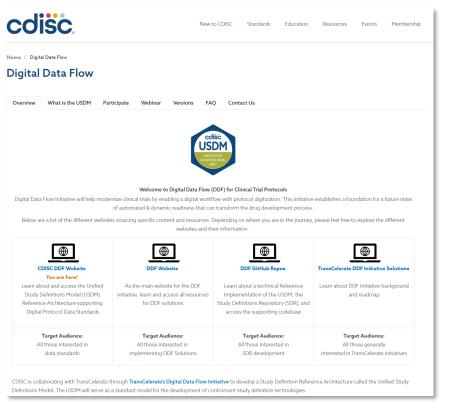








CDISC DDF Web Site Page





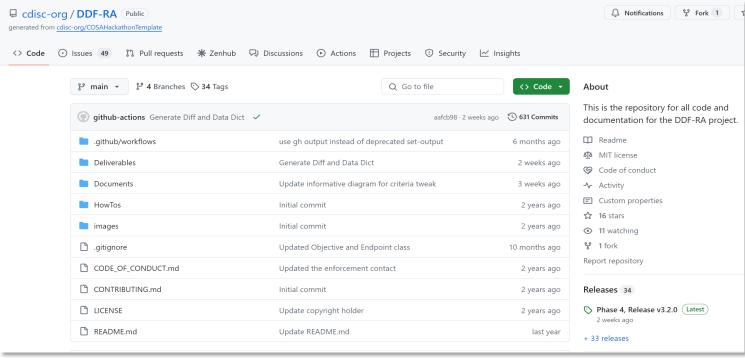




PUBLIC

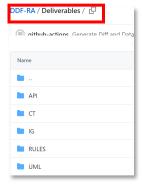


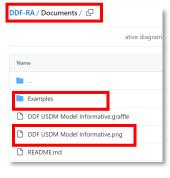
GitHub

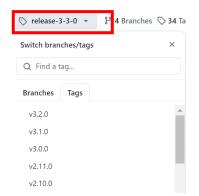




GitHub



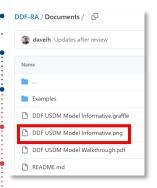


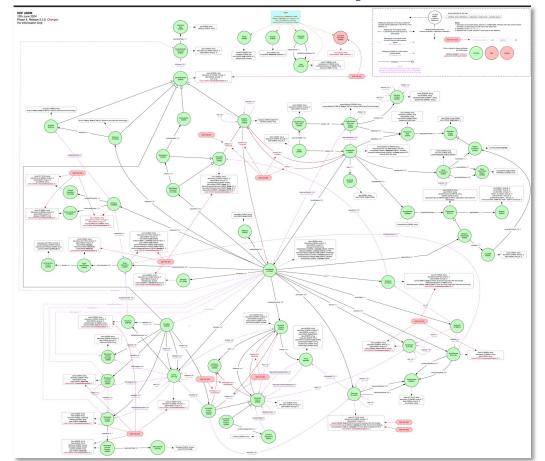






DDF USDM Model Information Graphic







WIKI Team Space



Digital Data Flow (DDF) Team Home Created by John Owen, last modified on Jun 25, 2024

Welcome

DDF Orientation
DDF 4 Project Char...
Tasks & Milestones
SME Meetings

Development Dash...

Welcome to the DDF Wiki Space!

CDISC, in collaboration with TransCelerate's Digital Data Flow Project, is developing a reference architecture, which will serve as a standard model for the development of a Study Definitions Repository. The Repository is a novel central component aimed at facilitating the exchange of structured study definitions across clinical systems using technical and data standards.

Visit the TransCelerate DDF website for more information about the DDF goals

Visit the CDISC DDF Website for more information

Status

★★★ DDF PHASE 3 IS NOW COMPLETE - USDM v3.0 was published 🖆 16 Apr 2024 ★★★

★★★ Phase 4 Scoping and planning is now in progress ★★★

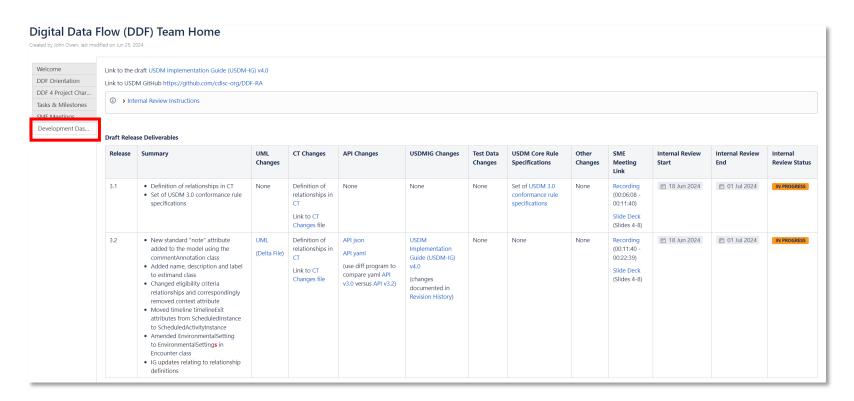
Navigate to the DDF 4 scoping and planning pages

- DDF 4 Scoping
- DDF4 Agendas and Minutes
- DDF 4 Reference Material
- CDISC Internal DDF4
- DDF Phase 1
- DDF Phase 2
- DDF Phase 3
- CDISC/ICH M11 Internal
- Action Items
- · File lists



https://wiki.cdisc.org/display/TEAMDDF/Digital+Data+Flow+%28DDF%29+Team+Home

WIKI Team Space – Development Dashboard for SMEs





CDISC WIKI ACCOUNT REQUIRED

WIKI - USDMIG



USDM Implementation Guide (USDM-IG) v4.0

Created by John Owen, last modified on May 13, 2024

This is the landing page for the USDMIG-v3.0. What would you like to do?

· Read the USDMIG

There are two options, depending on your reading preference:

- USDM-IG compiled This lets you view the entire document as a single web page, but is more prone to errors
 with the URA Connector.
- USDM-IG sections This displays each section on its own page, and comprises the source of the content displayed on the compiled view.
- > Jump to a specific section:

Other artefacts

- USDM UML Class Diagram
- USDM Controlled Terminology (click the "view raw" link to download the CT spreadsheet)
- API Specifications

Provide feedback

 Instructions for Reviewers — Detailed instructions for how to use JIRA to provide feedback on the USDMIG-v3.0 are given here.

Other resources you may find helpful:

- It is recommended to familiarise yourself with the Digital Data Flow project by reading resources from TransCelerate's Digital Data Flow Project and CDISC's Digital Data Flow information.
 - If readers are new to Digital Data Flow it is recommended to watch the video presentation on the TransCelerate DDF video library
 - 2. Of particular interest will be the video on the USDM Overview

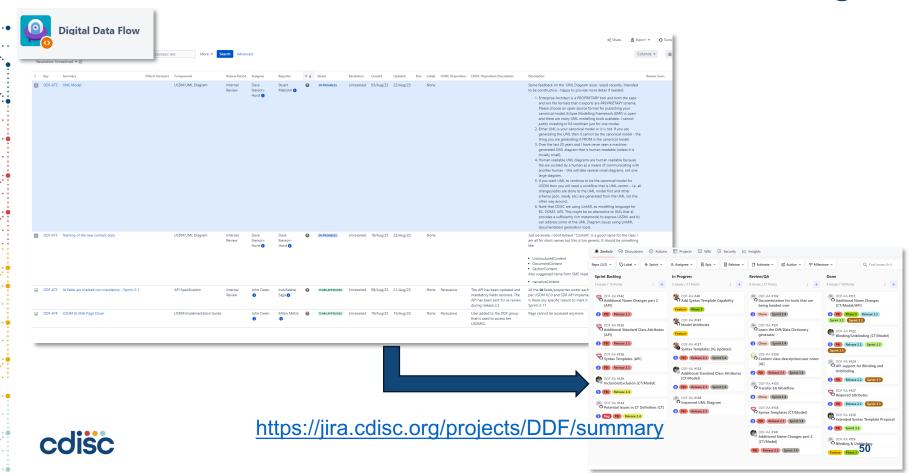
Comments on the USDMIG-v3.0 should be entered into JIRA at: https://jira.cdisc.org/projects/DDF/summary. For more detail, see the Instructions for Reviewers.

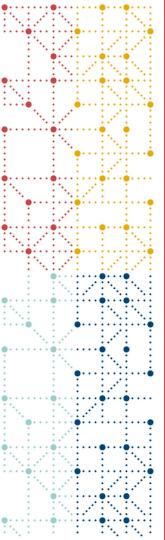




CDISC WIKI ACCOUNT REQUIRED

JIRA – Internal and Public Review Comment Tracking





Onboarding as a volunteer to the CDISC DDF Team

How to get involved

Process to Request a CDISC Wiki Account

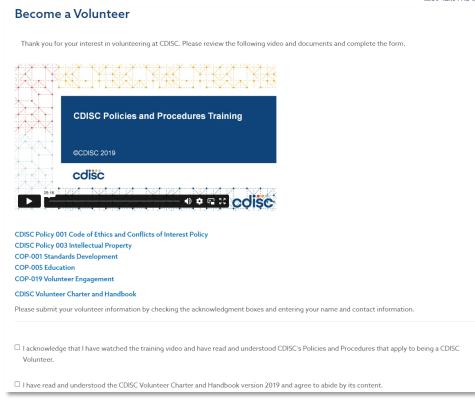
• Create a free cdiscID (if you don't have one already)

Cancel Colsc Please provide the following details. Verification is necessary. Please click Send button.		
Email Address		
Send verification code		
New Password		
Confirm New Password		
Full Name (First Name and Surname)		
First Name		
Surname		
☐ I agree to the Terms and Conditions ☐ Stay Informed. Sign Up for Communications from CDISC		
Create		



Process to Request a CDISC Wiki Account

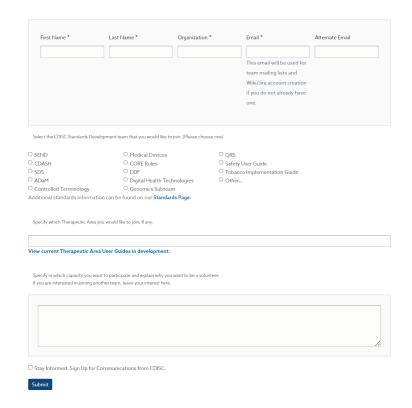
- Navigate to the CDISC Volunteer form
 - https://www.cdisc.org/volunteer/form
 - Review of volunteer information





Process to Request a CDISC Wiki Account - DDF

- Navigate to the CDISC Volunteer form
 - Enter your contact information
 - Choose DDF from the team selection
 - Leave TA box blank
 - Enter brief text into the "Specify in which capacity...." box
 - Click Submit





Process to Request a CDISC Wiki Account - DDF

- The CDISC Volunteer coordinator will process your request
 - A CDISC WIKI and JIRA account will be created (if you don't have one already)
 - You will be added to the DDF mailing list
 - Your request will be forwarded to the DDF PM who will add you to the DDF WIKI group
 - You will then be able to access the DDF WIKI materials and submit comments in JIRA





Upcoming DDF Events

2024 Events*	Date
Vulcan UDP Webinar Vulcan UDP (Utilizing the Digital Protocol): Collaborating to Accelerate ICH M11 and End User Value (transceleratebiopharmainc.com)	11 July 2024
DDF Vendor Showcase Webinar Series	26 September 2024
2024 CDISC US Interchange 2024 CDISC + TMF US Interchange CDISC	21-25 October 2024
SCOPE Europe 2024 Digital Data Flow: Digitalising Clinical Protocol Information to Accelerate Clinical Research and Enable Healthcare Interoperability	29-30 October 2024
PHUSE EU Connect 2024 PHUSE EU Connect 2024 (phuse-events.org)	10-13 November 2024



"DDF in Action" Day

- When: Oct. 10, 2024
- Where: EU (Novo Nordisk, Copenhagen, Denmark); US (J&J, Raritan, New Jersey)
- Registration opens Mid-July

An in-person full day event, involving sponsor companies, clinical solution providers, and key industry stakeholders, offers an interactive experience to exchange knowledge about implementing the Unified Study Definition Model (USDM) and Study Definitions Repository (SDR) Digital Data Flow (DDF) solutions.



^{*} Please note, related industry events are not formally endorsed by TransCelerate and are listed for awareness only

DDF 4 CDISC US Interchange



Day 1 23 October 2024





All Events

Partner Events

Digital Data Flow Workshop

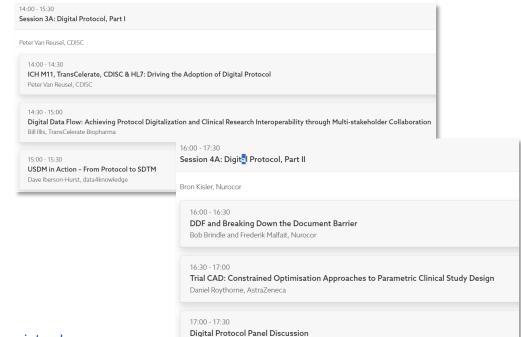
October 22, 2024 8:45 AM-4:00 PM MST

Following on from the the first public, in-depth, workshop on the Unified Study Definitions Model (USDM) at the EU Interchange in Berlin, the DDF team is pleased to announce a sister workshop at the US Interchange. The workshop will take a deep dive into all aspects of the model and how study protocols and designs can be represented using the USDM.

The day will be organised as a series of focused sessions, with each session covering the theory on an individual aspect of the model combined with hands-on exercises and discussion.

Workshop agenda:

- · Model Overview
- · Structured and unstructured content, Study, Protocol and Titles
- · Inclusion and Exclusion Criteria
- Objectives and Endpoints
- · Population and Cohorts
- · Schedule of Assessments, Timing and Planning
- Amendments
- · Narrative content, Protocol document and ICH M11



cdisc

https://www.cdisc.org/events/interchange/2024-cdisc-tmf-us-interchange

