



Standards Update What's New and What's Next

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Standards Published Since the Last Year's Bethesda Interchange

Foundational Standards

- SDTM v1.7
- SDTMIG v3.3
- SDTMIG-Medical Devices v1.1
- ADaM Conformance Rules v2.0
 - Define.XML v2.1
- SENDIG Animal Rule v1.0
 - SDTM v1.8

Therapeutic Area Standards

- HIV
- PTSD
- Colorectal Cancer
- Huntington's Disease
 - CDAD
 - Lung Cancer
- Traditional Chinese Medicine – CAD-Angina
 - Nutrition

Publishing Soon!

- ADaMIG v1.2
- CDASHIG 2.1
- CDASH Model v1.1

New Onboarding Process for Volunteers

- Single internal point of contact for onboarding, administrative and record updates, to ensure accurate follow-up of volunteers
- Leveraging of IT tools to facilitate communication and teamwork
- Improved processes and procedures to support volunteer activities



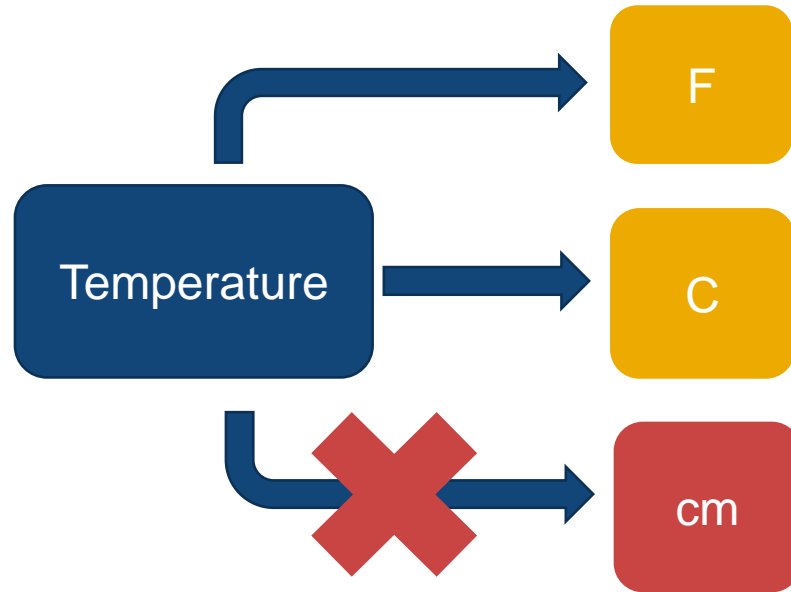
CDISC Staff Support for Foundational Teams



- Project Management Support
 - Scope planning
 - JIRA project management
 - Wiki support
 - Navigating the CDISC governance process
- Allows teams to focus on standards development

Codetable Mapping Files

- Built to show explicit relationships between terms in different codelists
- Machine-readable, published on CDISC website
- DS, CV, EG, TU/TR/RS (Oncology) Race/Ethnicity, SC, TS, VS



LOINC-CDISC Mapping



CDISC CT TEAM
HAS COMPLETED
THE LOINC-CDISC
LB MAPPING



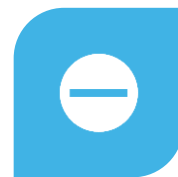
CONTAINS
APPROXIMATELY
2,000 LB
MAPPINGS



REVIEW BY THE
REGENSTRIEF
INSTITUTE AND
FDA LOINC
WORKING GROUP
COMPLETE



POSTED FOR
INTERNAL REVIEW
IN AUGUST 2019



MAPPING WILL BE
RELEASED FOR
PUBLIC COMMENT
SOON

UCUM Codelist Table

- A codelist table that allows users to toggle between UCUM and CDISC Unit codelists
- For each published CDISC submission value across all UNIT-based codelists in SDTM terminology, the mapping provides valid UCUM expressions associated with that unit concept
- Allows for a collected UCUM-compliant unit of measure to be easily matched to the appropriate CDISC submission value associated with that concept



What Are We Working on Now?



Foundational Standards in Development

Conformance
Rules

SDTM v2.0

SENDIG
v3.1.1

ADaM
OCCDS v1.1

ADaM Data
Structures for
Integration

SDTMIG
v3.4

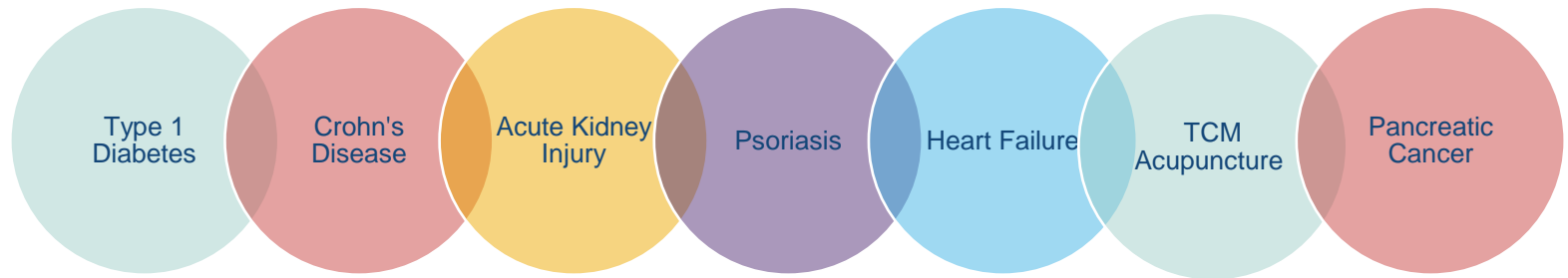
SDTM
Variable
Definitions

Multiple QRS
and ADQRS
Supplements

CDASH-SAE
Supplement

<https://www.cdisc.org/standards/in-development>

Therapeutic Area User Guides Currently In Development



<https://www.cdisc.org/standards/in-development>

CDISC Knowledge Base Project



An open, assessable, searchable and user-friendly interface on the CDISC Website to host new and existing website content for CDISC implementers

Knowledge Base – Project Components

Coordinated with
redeveloped
standards website
pages

CDISC-generated
content - technical
articles written by
CDISC staff and
teams

Community-
generated content,
curated by CDISC

Community
questions, with
curated CDISC team
answers

Links to external
useful content



Publication of Errors and Known Issues

Errors

- Small errors such as typos that do not affect conformance
- Errors that affect conformance

Known Issues

- Inconsistencies within a CDISC standard
- Inconsistencies between standards
- Inconsistencies between a CDISC standard and regulatory agency advice
- Gaps in standards

Publication of Errors and Known Issues

Provide possible solutions

Vetted and approved by the CDISC Global Governance Group

Will be made available in real-time to the user community

Occurrence of one of a group of Events or Interventions

Affected Standard	SDTMIG v3.3 and earlier
Data to be represented	A finding of the form "Did an <event or intervention in this group> occur?"
Reason for uncertainty	<p>Occurrence questions at the level of a domain (e.g., "Did the subject take any concomitant medications?" or "Did the subject have any adverse events?") can be represented in CDASH, but are not included in SDTM datasets.</p> <p>Occurrence questions at the level of a specific event or intervention are represented in an events or interventions domain in a record with the specific event or intervention in the topic variable --PRESP = "Y" and the response to the question ("Y" or "N") in --OCCUR.</p> <p>No guidance is given about questions at an intermediate level, although such questions are common. For example, "Has the subject taken any opiate-containing medications?" or "Has the subject had any respiratory infections?"</p>
Possible solution for affected version(s)	<p>The Therapeutic Area User Guide for Asthma represented questions about groups of medications in a CM record with both CMTRT and CMSCAT equal to the name of the group (e.g., "SHORT-ACTING BETA-AGONISTS" or "SYSTEMIC CORTICOSTEROIDS") and CMPRESP = "Y". The fact that the value in CMTRT is equal to the value in CMSCAT indicates that the question is about a group of concomitant medications.</p> <p>This convention, of populating both the topic variable and either --CAT or --SCAT with the name of the group, can be used as a solution with current versions of the SDTMIG. Whether --CAT or --SCAT is used depends on whether --CAT is available or is being used for another purpose. The use of this convention should be explained in the Clinical Study Data Reviewers Guide (cSDRG).</p>
Efforts to resolve issue	<p>This convention is being considered for inclusion in a future version of the SDTMIG. It has been logged as a JIRA issue: https://jira.cdisc.org/browse/SDS-26</p>

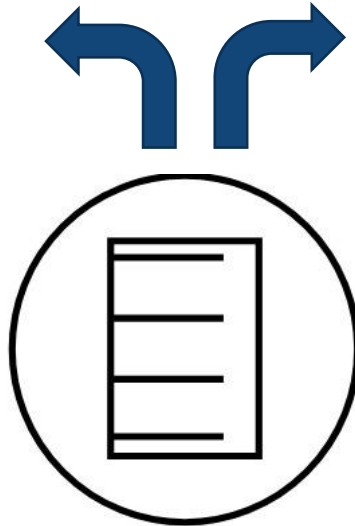
Curated Non-Standard Variable Registry

Enables consistency
in the absence
of a standard variable

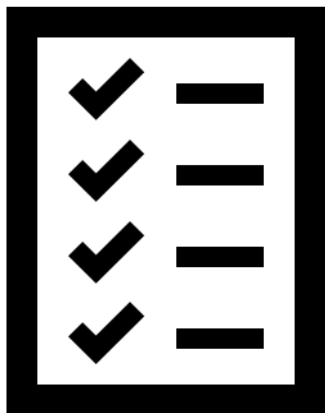
Will contain all non-
standard variables used in
CDISC Implementation
and User Guides

Vetted by the CDISC
Global Governance
Group

Will be made available in
real-time to the
user community



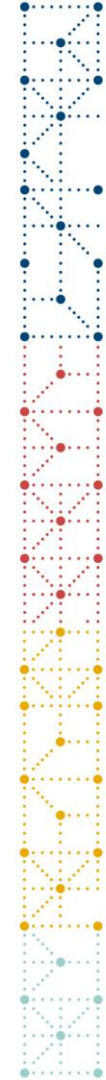
Consideration Documents for Regulatory Requirements



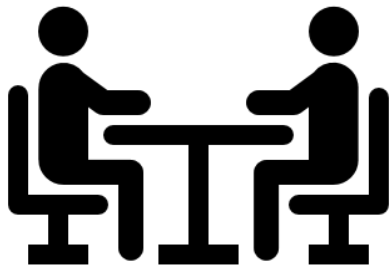
Race and ethnicity

QRS logically
skipped items

Representation of SI and
conventional units



PhUSE/CDISC Collaboration to Create an Implementation Primer



How to get started with
CDISC

Linking of standards

Traceability

Compliance



SDTM Reorganization

Update outdated language

Move domain-specific variables

Make metadata consistent and separated

- Definitions will be added, and definition-like material will be removed from description column

Will be published in November 2020 as SDTM v2.0

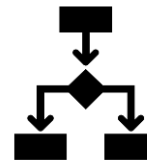
Development of Principles

Guides and improves understanding of the standard

Facilitates decision making

Helps to optimize utilization of resources

Helps to manage change



Principles Hierarchy

Accomplish the CDISC goals and mission without promoting any individual vendor or organization

Manage scope with incremental development

Start with the end in mind

Domain variables based on the same root variable have the same meaning in all domains

Update of Metadata Submission Guidelines Package

Current package enables users to become familiar with the SDTM submission components

Contains annotated CRF, submission datasets, define.xml file, define.xml stylesheet, and Reviewers' Guide

Cross team collaboration

Goal is to publish update as soon as possible

Getting Started with New Tools



Conformance Rules

- CDISC authors rules that determine conformance with the standard by version of standard
- Regulatory agencies have their own rules specific to their needs, these may or may not be the same as CDISC authored conformance rules
- Historical development of rules
 - Standards were written before the rules which led to ambiguity
 - The guides were specific to a team and standard



Future of Conformance Rules



RULES ARE NOW REQUIRED
AT THE TIME OF PUBLICATION
OF ANY STANDARD



WORKING ON ESTABLISHING
CROSS-TEAM RULES
DEVELOPMENT METHODS



SUPPORTED BY CDISC
LIBRARY

Curated Examples

- Examples exist across many Implementation and User Guides in PDFs
- Goal is to make examples accessible through CDISC Library
- Users will be able to select examples by biomedical concept, therapeutic area, observation class, domain etc.
- Curation to ensure examples remain consistent with one another
- Initial scope: Diabetes v1.0, Diabetic Kidney Disease v1.0, Type 1 Diabetes v1.0



Curated Examples

The screenshot displays the CDISC Library interface. At the top, the CDISC LIBRARY logo is visible. A navigation menu includes "Home", "What's New", "Catalog", "New Search", "Reports", "Selections", "History", and "Logout". A user profile icon is in the top right. A dropdown menu is open over the "Selections" link, showing "Selection Summary", "Preview Examples", and "Generate Examples".

Below the navigation, there are buttons for "Preview AE Example 1", "Preview VS Example 3" (highlighted), "Preview LB Example 4", and "Preview DS Example 3". A search sidebar on the left lists various study classes and variables.

The main content area features a table with the following data:

STUDYID	DOMAIN	USUBJID	VSSEQ	VSTESTCD	VSTEST	VSPOS	VSORRES	VSORRESU	...
ABC	VS	ABC-001-001	1	SYSBP	Systolic Blood Pressure	Sitting	154	mmHg	...
ABC	VS	ABC-001-001	2	DIABP	Diastolic Blood Pressure	Sitting	44	mmHg	...
ABC	VS	ABC-001-001	3	PULSE	Pulse Rate	Sitting	72	beats/min	...
...

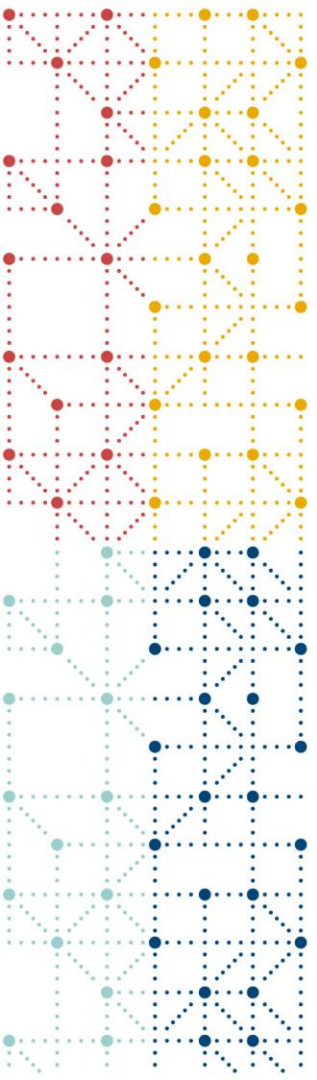
Below the table, a loading screen displays the text "Loading VS Example 4 comparison. Please wait." with a progress bar and a hand cursor.

At the bottom, there are navigation buttons: "- Previous 1 2 3 4 5 Next -", "Save Selections", "Show Relationships", and "Compare Examples".

On the right side, a "Selection Summary" panel is visible, containing "Preview Example", "Generate Examples", and a user icon. Below it, a navigation bar includes "New Search", "Reports", "Selections", "History", and "Logout". A table with columns "Add Selection", "Related Examples", and "Details" is shown, with "View List" buttons and checkboxes.

At the bottom right, there are buttons for "Add Relationship Check", "Add Selections & Continue", and "Go to Example Summary Generation".

Disclaimer: This is only a proposed draft snapshot.



Thank you!

cdisc