

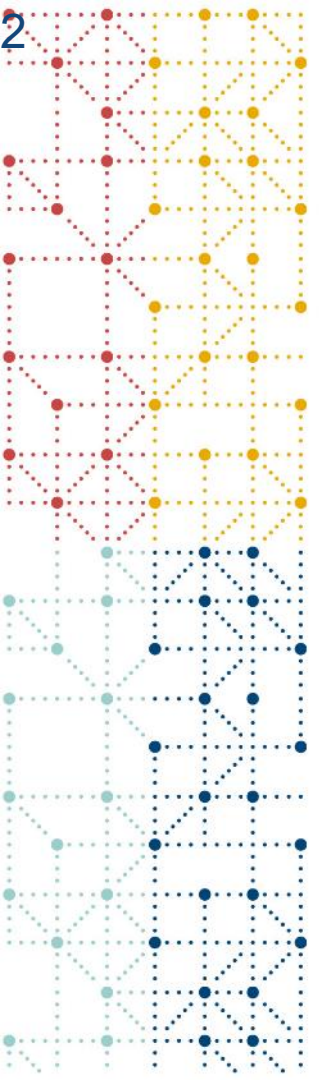


Pediatrics User Guide – Summary of Scoping

John Owen, Head of Partnerships & Development, CDISC
Richard Marshall, Lead Developer, CDISC

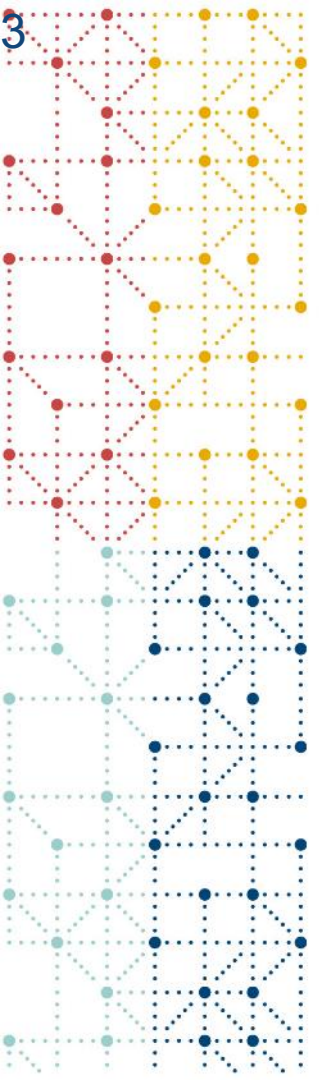


TUE 21 SEP
11:00AM-11:45AM ET



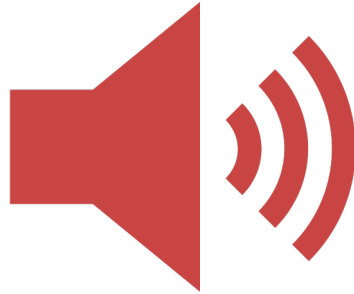
Today's Agenda

1. Housekeeping
2. Feature Presentation + Q&A
3. Upcoming Learning Opportunities & Events



Housekeeping

Housekeeping



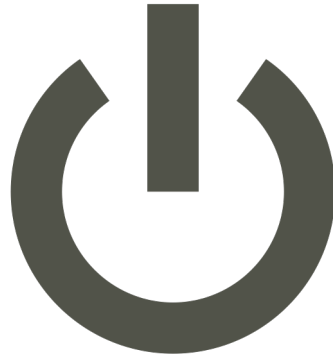
You will remain on **mute**

Housekeeping



Submit questions at any time via the Questions tool on your GoToWebinar app

Housekeeping



Audio issues?

Shut down & restart GoToWebinar app

Housekeeping



A recording of this webinar and the slides will be available in the **Members Only** section of CDISC website



Today's Presenters

John Owen

Head of Partnerships &
Development
CDISC

Richard Marshall

Lead Developer
CDISC



Pediatrics User Guide Scoping Summary Webinar

John Owen, Head, PMO, CDISC

Richard Marshall, Lead Developer, CDISC

2021-09-21





- Global Clinical Data Standards Development Organization
- Founded in 1997 (all volunteers)
- Incorporated in 2000 as a non-profit organization



Why is CDISC Important?

- By bringing together a global community of experts to develop and advance data standards of the highest quality, CDISC creates clarity in clinical research.
- Together, we enable the accessibility, interoperability, and reusability of data for more meaningful and efficient research that has greater impact on global health.



Why Standardize with CDISC?

Global standard for all types of clinical research

- Create familiarity - know where to find things, understand what they mean
- Allow software systems to be built on CDISC
- Facilitate meaningful data sharing (academia, public health)
- Connect to EHR data through BRIDG
- Widely adopted due to requirements by global regulatory agencies (FDA, PMDA and NMPA) and endorsement by others (CFDA, EMA)
- Data sharing accelerates research progress

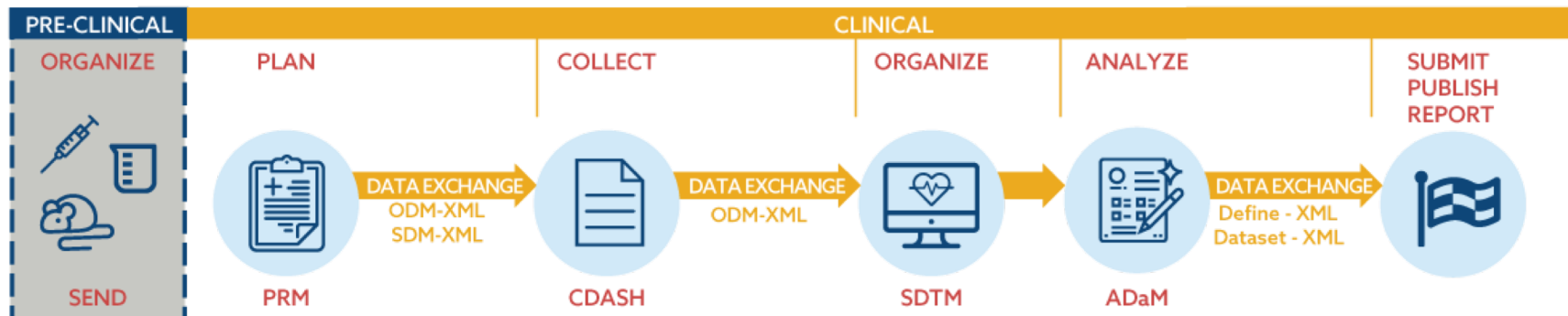
Support
Semantic
Interoperability

Developed and maintained through open consensus-based process

- Developed by subject matter experts
- Widely vetted during open public review, training and implementation
- Feedback from implementation informs further development

CDISC Standards in the Research Process

Clinical Research Process



Controlled Terminology

Define-XML

TAUGs

Data Transport Standards

Unnecessary Variability...

The diagram illustrates four examples of inconsistent data entry formats for date and sex fields in clinical trial forms. Each example is enclosed in a blue border and contains a yellow box around the field label and a red box around the input format.

- Example 1:** Protocol: 1, Site No: [], Patient ID: []. Demographics section. Sex: M F. Birth Date: [][]-[][]-[][][][] (DD MM YYYY).
- Example 2:** Study: 2, Site: [], Subject: []. Demographics section. Gender: Male Female. Birth Date: [][]-[][][][]-[][][][] (DD MON YYYY).
- Example 3:** Project: 3, Site ID: [], Subject: []. Demographics section. Gender: 1(Male) 2(Female). Date of Birth: [][][][]-[][]-[][] (YYYY MM DD).
- Example 4:** Project: 4, Site ID: [], Patient: []. Demographic Data section. Sex: 0 Male 1 Female. Date of Birth: [][]-[][]-[][][][] (DD MM YYYY).

Name for Subject ID is never the same

Study #1 – demog.xpt

SUBJID	SEX
0001	M
0002	F
0003	F
0004	M
0005	F

Is it Male or Female, M or F, 1 or 2, or 0 or 1?

Study #2 – dmg.xpt

ID	GENDER
A1	Male
A2	Male
A3	Female
A4	Female
A5	Male

Name for demographics dataset varies

Gender or Sex - do these mean the same thing?

Study #3 – dmgph.xpt

PTID	GENDER
0001	1
0002	1
0003	2
0004	2
0005	1

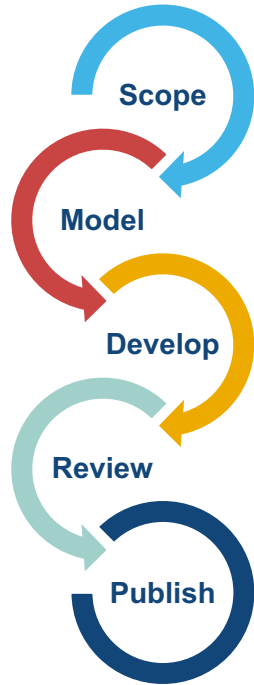
Study #4 – axd222.xpt

USUBID	SEX
00011	0
00012	1
00013	1
00014	0
00015	1

What do the numeric codes mean?



Consensus Driven Standards Development Process



CDISC Data Standards Experts

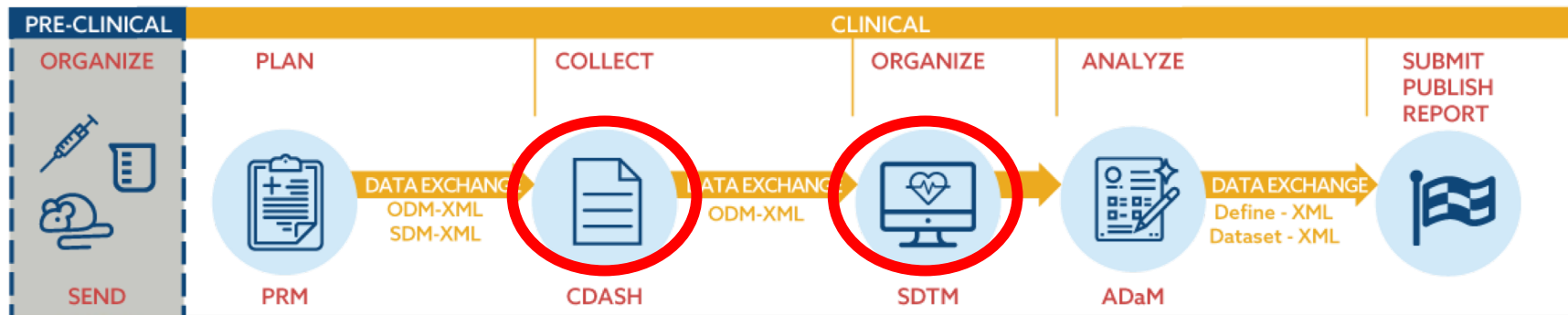
Volunteers from CDISC Member Organizations

Subject Matter Experts from Industry, Academia, Regulatory Authorities, Patient Groups, Research Consortia, Other SDOs

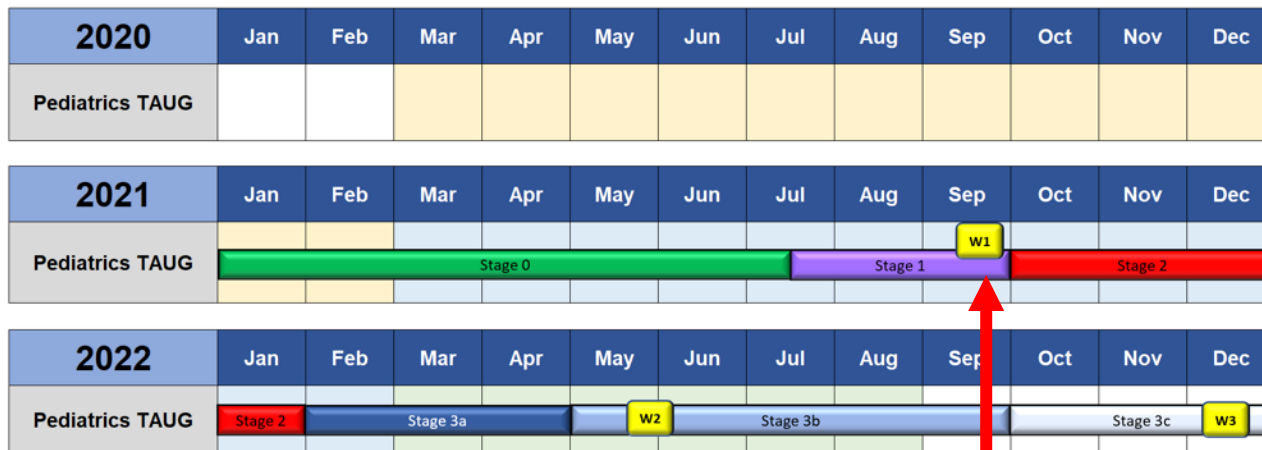
Pediatrics User Guide

- CDISC, in collaboration with [IMI's Connect4Children \(c4c\) Project](#), is developing a Pediatrics User Guide
- The User Guide builds on existing CDISC standards, and will consist of data collection and data tabulation examples for use in **cross-cutting** pediatric clinical trials.

Clinical Research Process



Timelines



Stage 0	Scoping and Planning
Stage 1	Identification/Modeling of Concepts
Stage 2	Standards Development
Stage 3a	Internal Review
Stage 3b	Public Review
Stage 3c	Publication
	Public Webinars
W	1 - Scoping Results 2 - Public Review 3 - Publication

TAUG Deliverable Feb 2023 (M58)
Submission required April 2023 (M60)

Scoping

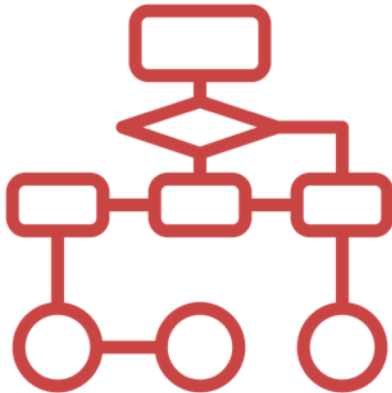
- Ensure that the project is well defined with clear and achievable deliverables
- Perform background research to develop the initial scope



Concept Modeling

Illustrate in more detail the information that will be included in the proposed standard

- Develop concept maps to aid in semantic understanding
- Develop terminology and questionnaires, ratings and scales



Standards Development

Vital Signs Percentiles

Record the height result in cm.

Height
 HEIGHT_VSORRES VSORRES where VSTESTCD="HEIGHT"
 Height Unit
 HEIGHT_VSORRESU VSORRESU where VSTESTCD="HEIGHT" Pre-populated
 <From Units code list>

Record the height percentile.

Height Percentile
 HGTPTCTL_VSORRES VSORRES where VSTESTCD="HGTPTCTL"

Record the weight result in kg.

Weight
 WEIGHT_VSORRES VSORRES where VSTESTCD="WEIGHT"
 Weight Unit
 WEIGHT_VSORRESU VSORRESU where VSTESTCD="WEIGHT" Pre-populated
 <From Units code list>

Record the weight percentile.

Weight Percentile
 WGTPTCTL_VSORRES VSORRES where VSTESTCD="WGTPTCTL"

Record the BMI result.

BMI
 BMI_VSORRES VSORRES where VSTESTCD="BMI"

Record the BMI percentile.

BMI Percentile
 BMIPTCTL_VSG

Select the criteria used to determine BMI percentiles.

BMI Percentile
 BMIPTCTL_VSA

Record the criteria used to determine BMI percentile.

What was th
 BMIPTCTL_VSA

Select the position of the subject at the time of test.

Vital Sign Bo
 VSPOS

Record the systolic blood pressure result.

Systolic Bloo
 SYSBP_VSOR

Systolic Bloo
 SYSBP_VSORRES

Record the diastolic blood pressure result.

Diastolic Blo
 DIABP_VSOR

Diastolic Blo
 DIABP_VSORRES

Record the systolic blood pressure percentile.

Systolic Bloo
 SBPPTCTL_VS

Record the diastolic blood pressure percentile.

Diastolic Blo
 DBPPTCTL_VSORRES VSORRES where VSTESTCD="DBPPTCTL"

Data Collection



CDASH

Data Tabulation



SDTM

Rows 1, 3: Show recorded weight and height results data.

Rows 2, 4: Show height and weight percentile values as recorded on the CRF. The VSANMETH value "CDC Weight for Age Percentiles" indicates that the height percentile was calculated using CDC criteria.

Rows 5-6: Show BMI and BMI percentile as recorded on the CRF. In row 6, the VSANMETH value "CDC BMI Percentiles" indicates that the BMI percentile was calculated using CDC criteria.

Row 7: Shows systolic blood pressure observation.

Row 8: Shows systolic blood pressure percentiles based on the subject's height, age, sex, and systolic blood pressure. The VSANMETH value is "NHLBI Blood Pressure Percentiles", indicating that the percentile was calculated based on a National Heart, Lung, and Blood Institute publication.

Row 9: Diastolic blood pressure observation.

Row 10: Shows diastolic blood pressure percentile based on the subject's height, age, sex, and diastolic blood pressure. The VSANMETH value is "NHLBI Blood Pressure Percentiles", indicating that the percentile was calculated based on a NHLBI publication.

Row	STUDYID	DOMAIN	USUBJID	VSSEQ	VSGRPID	VSTESTCD	VSTEST	VSPOS	VSORRES	VSORRESU	VSSTRESC	VSSTRESN	VSSSTRESU	VRESCAT	VSANMETH	VSLOBKFL	VISITNUM	VSDTC
1	CDISC01	VS	CDISC01-2001	1	1	WEIGHT	Weight		62	kg	62	62	kg			Y	1	2018-12-21
2	CDISC01	VS	CDISC01-2001	2	1	WTAPCTL	Weight-for-Age Percentile		85		85	85			CDC Weight for Age Percentiles	Y	1	2018-12-21
3	CDISC01	VS	CDISC01-2001	3	2	HEIGHT	Height		152	cm	1.52	1.52	m			Y	1	2018-12-21
4	CDISC01	VS	CDISC01-2001	4	2	HTAPCTL	Height-for-Age Percentile		50		50	50			CDC Height for Age Percentiles	Y	1	2018-12-21
5	CDISC01	VS	CDISC01-2001	5	3	BMI	Body Mass Index		26.8	kg/m ²	26.8	26.8	kg/m ²			Y	1	2018-12-21
6	CDISC01	VS	CDISC01-2001	6	3	BMIAPCTL	BMI-for-Age Percentile		94		94	94		OBESE	CDC BMI Percentiles	Y	1	2018-12-21
7	CDISC01	VS	CDISC01-2001	7	4	SYSPB	Systolic Blood Pressure	SITTING	105	mmHg	105	105	mmHg			Y	1	2018-12-21
8	CDISC01	VS	CDISC01-2001	8	4	SBPPTCTL	SBP Percentile		50		50	50			NHLBI Blood Pressure Percentiles	Y	1	2018-12-21
9	CDISC01	VS	CDISC01-2001	9	5	DIABP	Diastolic Blood Pressure	SITTING	63	mmHg	63	63	mmHg			Y	1	2018-12-21
10	CDISC01	VS	CDISC01-2001	10	5	DBPPTCTL	DBP Percentile		50		50	50			NHLBI Blood Pressure Percentiles	Y	1	2018-12-21

Controlled Terminology

Internal and Public Reviews

- The internal review ensures that all CDISC teams and appropriate collaborative groups and subject matter experts have the opportunity to review the draft standard.
- During the public review, commenting is open to the public
- Both of these stages involve:
 - Releasing the draft standard for review
 - Resolving issues and updating the draft standard
 - Submitting remaining/additional terminology requests
 - Obtaining Global Governance Group (GGG) approval to proceed to the next stage



Publication and Maintenance

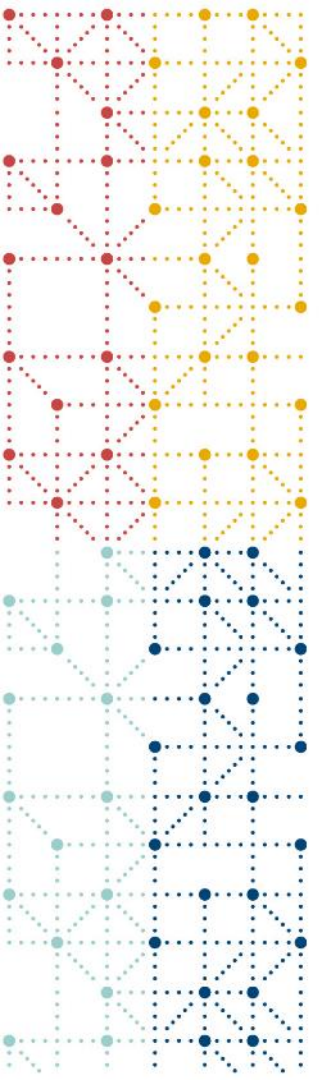


Questionnaires, Ratings, and Scales (QRS)

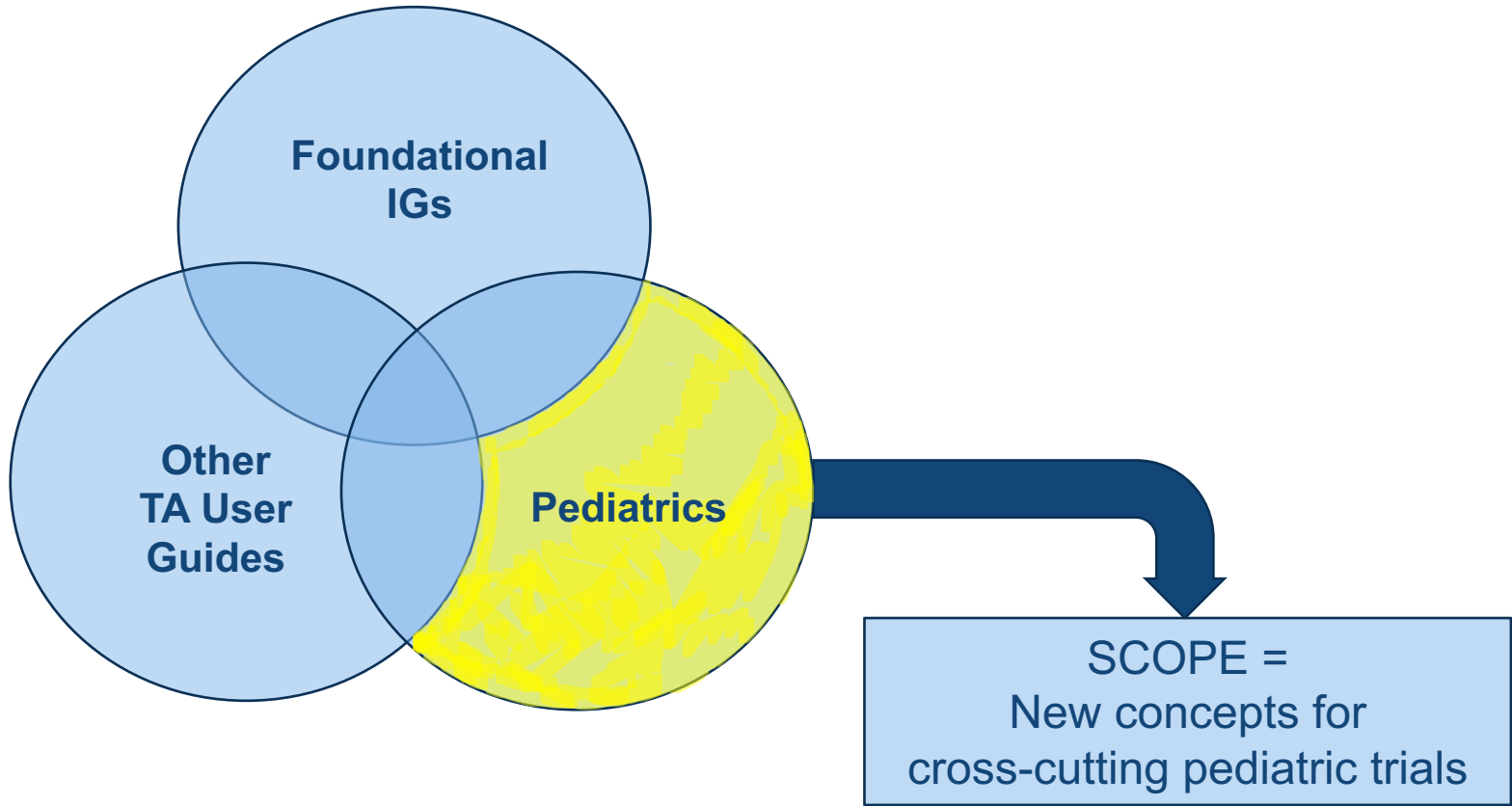
- QRS Development has its own standards development process:
 - Identification by scoping team
 - Check if QRS exists in current QRS library
 - Submit request for new QRS development
 - CDISC requests copyright permissions
 - If permission is granted, the QRS moves into development of its own supplement
 - After development, the QRS supplements pass thorough the Internal and Public Review quality gateway processed
 - Publication of the QRS supplement on the CDISC website
- Goal: Identify up to 10 standard QRS related to pediatric trials
- These will be listed as QRS of interest in the TA user guide

Terminology Development

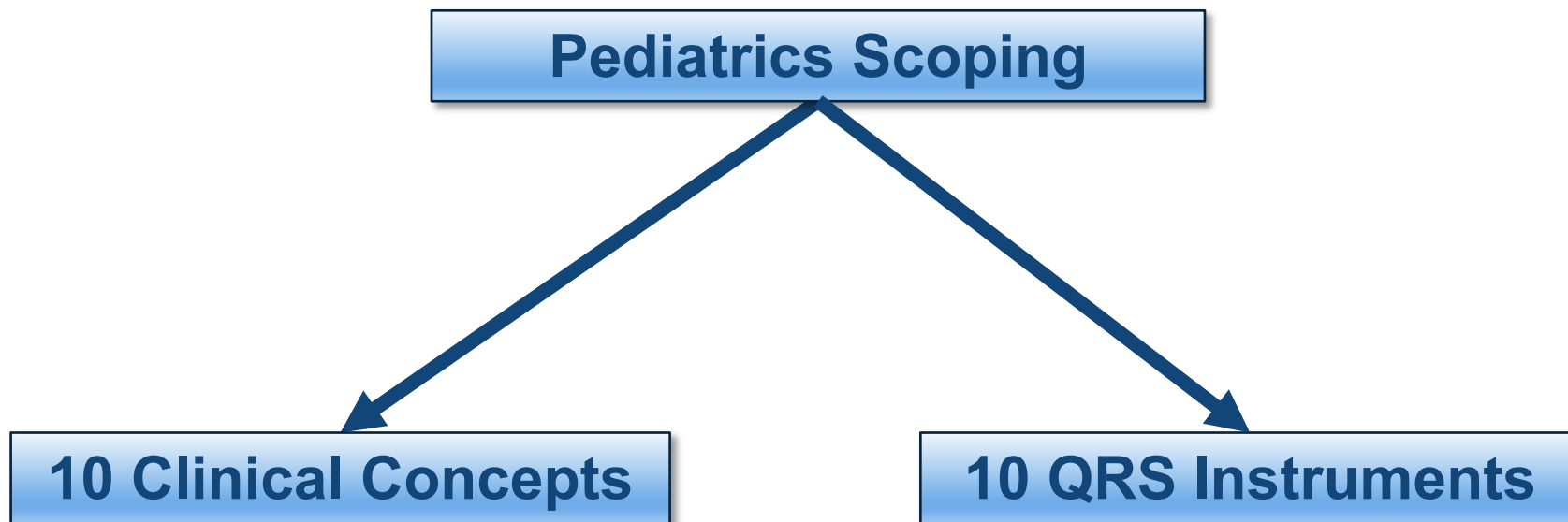
- Terminology Development has its own standards development process
- Each TA team is assigned a terminology representative from NCI-EVS
 - This individual liaises with CT teams and TA teams
- Terminology development begins during internal review
 - Relatively stable model means less re-work
 - SMEs may be needed
- Terminology analysis can inform data modeling decisions and may change as terminology development proceeds
- CDISC Terminology is published on a quarterly cycle
 - Goal is to have all terminology published or in public review by the time the TAUG is published

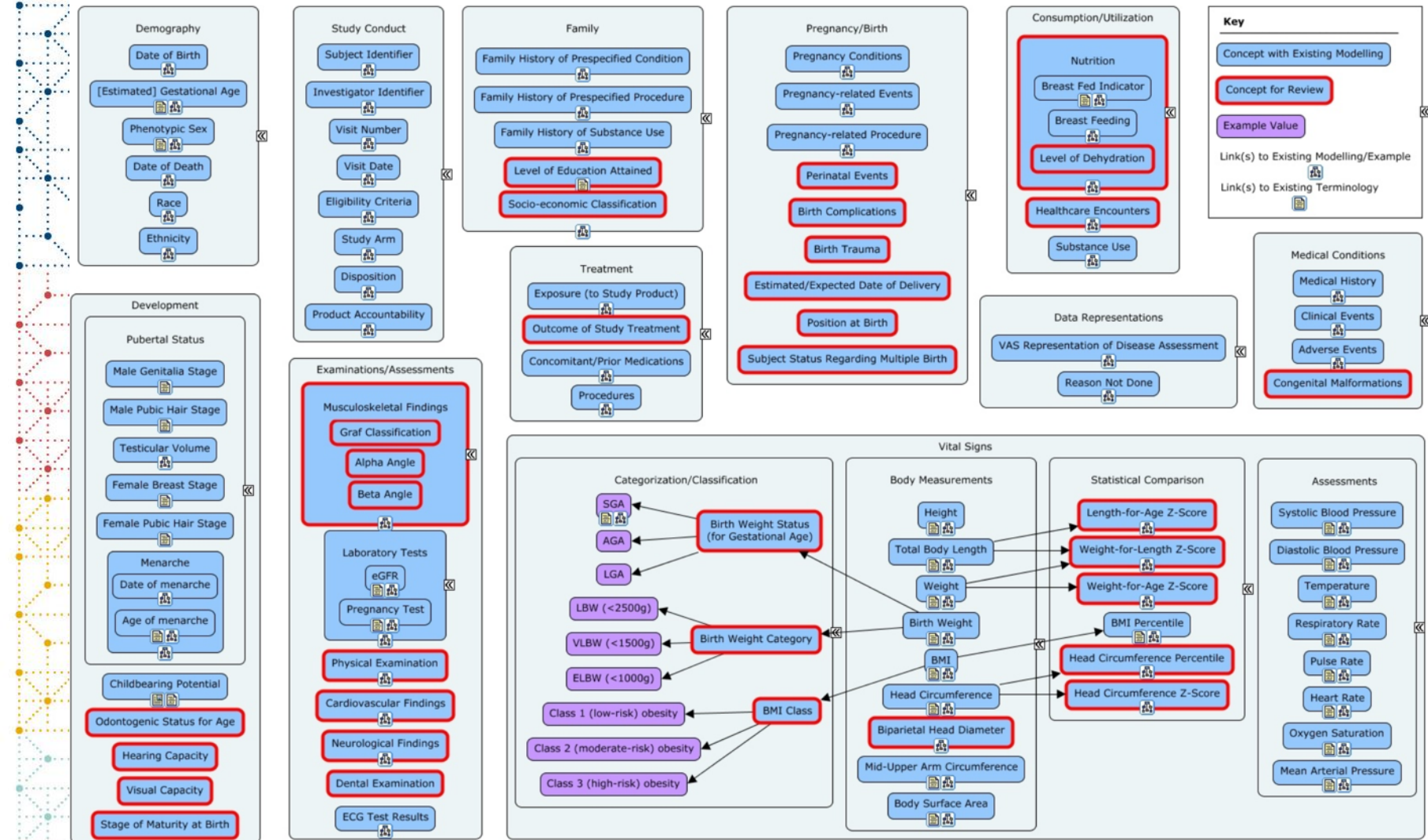


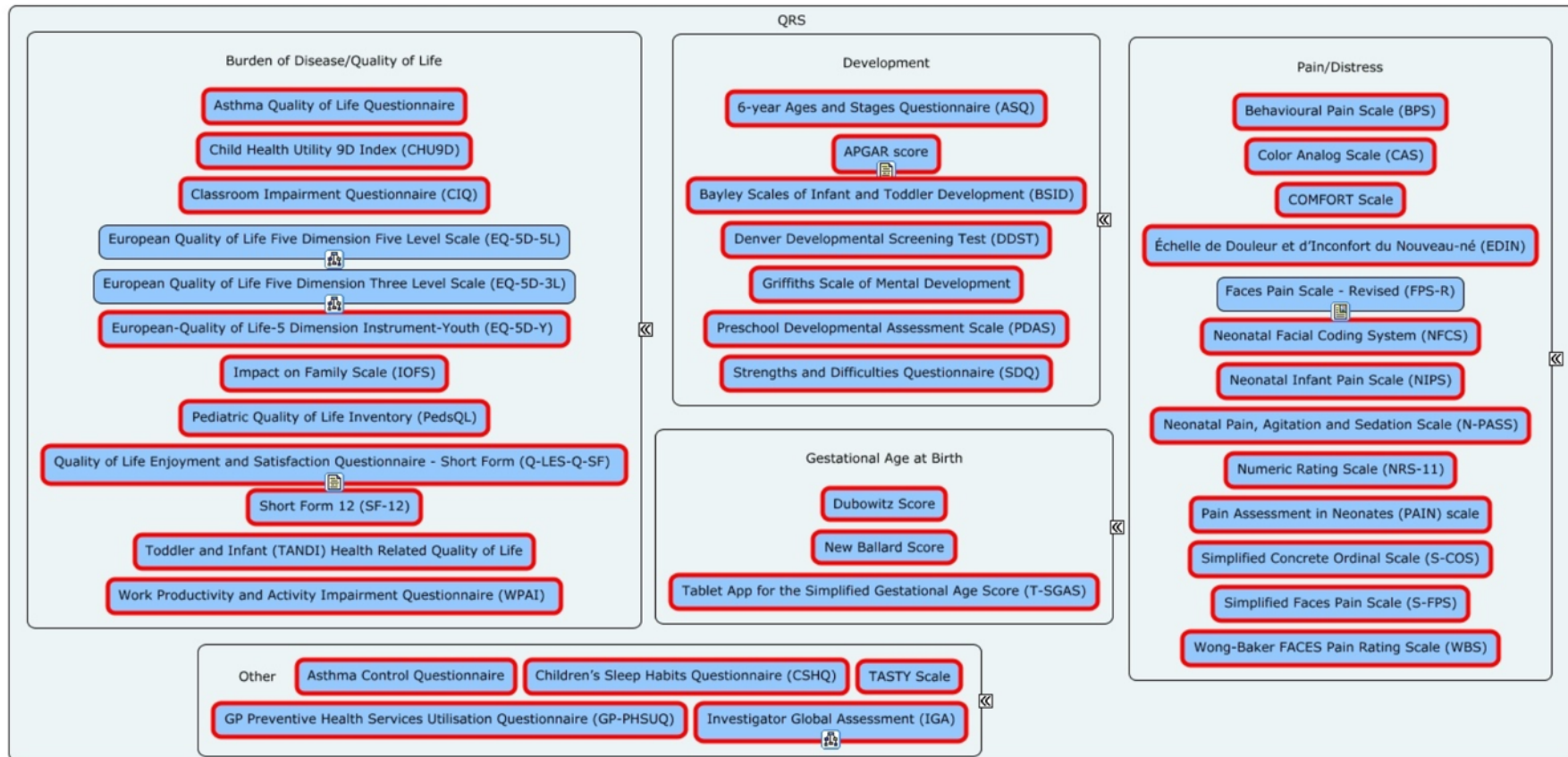
Deep Dive into Scoping



Scoping Aims

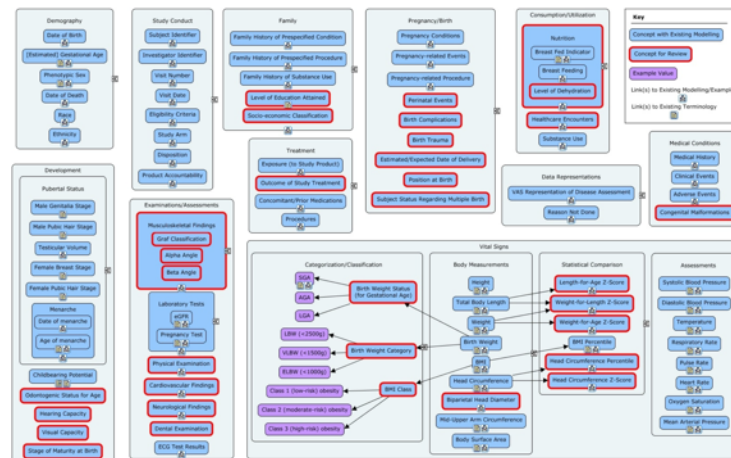






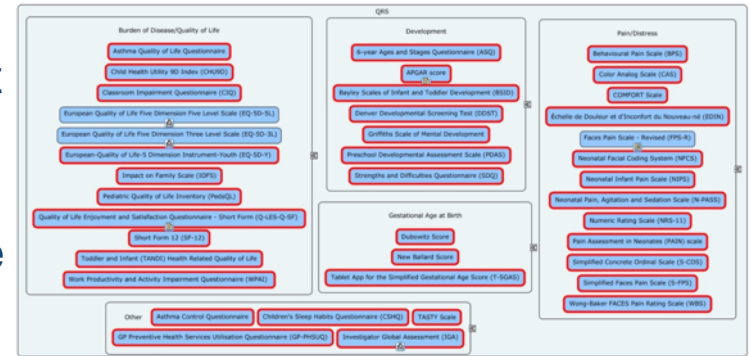
Concept Modeling

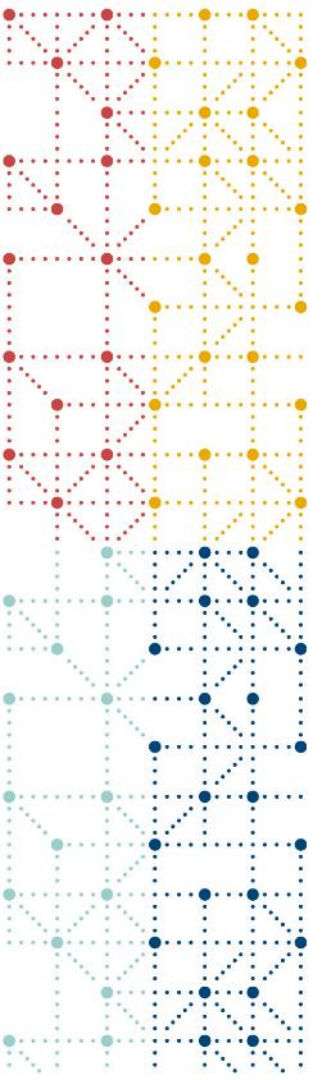
- Deep dive into areas bordered in red
- Identify where existing modelling/examples are fit for use
 - The User Guide will contain links to existing modelling/examples to avoid duplication
- Identify where new modelling/examples are needed
 - The User Guide will contain new modelling/examples
- Amend and finalize the scope based on the decisions above



QRS

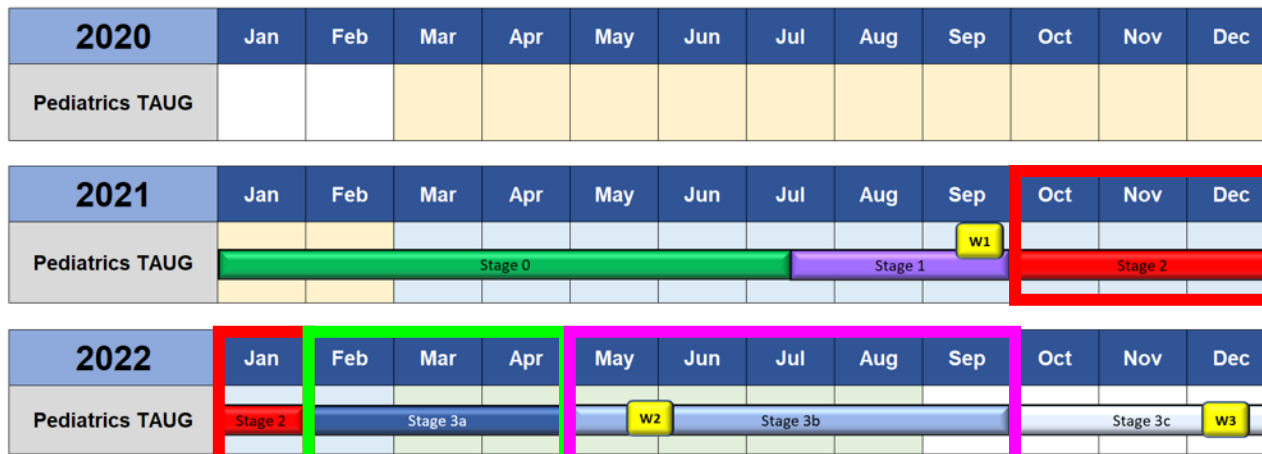
- QRS Instruments identified during scoping currently under review by the c4c expert groups in order to prioritize the development of the most cross-cutting QRS instruments used in pediatric trials
- Once the list is prioritized, these will be pushed through to the QRS Development team
- The QRS instruments will be published as separate supplements in the CDISC website
 - <https://www.cdisc.org/standards/foundational/qrs>





Want to get involved?

Timelines



Stage 0	Scoping and Planning
Stage 1	Identification/Modeling of Concepts
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Stage 3b	Public Review
Stage 3c	Publication
w	Public Webinars 1 - Scoping Results 2 - Public Review 3 - Publication

TAUG Deliverable Feb 2023 (M58)
Submission required April 2023 (M60)

Why volunteer?

Volunteers gain professional experience

Teams bring people together – Networking, etc.

Learn different things about standards and the development process

Volunteering strengthens the standards community

You get a chance to give back and make a difference

Unique opportunity to influence the standard development process



Volunteer for a Standards Development Team!

Submit an inquiry

www.cdisc.org/volunteer

First Name *	Last Name *	Organization *	Email *	Alternate Email
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

This email will be used for team mailing lists and Wiki/Jira account creation if you do not already have one.

Select the CDISC Standards Development team that you would like to join. (Please choose one)

<input type="radio"/> ADaM	<input type="radio"/> SDS	<input type="radio"/> Analysis Results Standard Sub-Team
<input type="radio"/> CDASH	<input type="radio"/> SEND	<input type="radio"/> Other...
<input type="radio"/> Controlled Terminology	<input type="radio"/> XML-Tech	
<input type="radio"/> QRS	<input type="radio"/> Medical Devices	

Additional standards information can be found on our [Standards Page](#).

Specify which Therapeutic Area you would like to join, if any.

[View current Therapeutic Area User Guides in development.](#)



Thank You!

cdisc

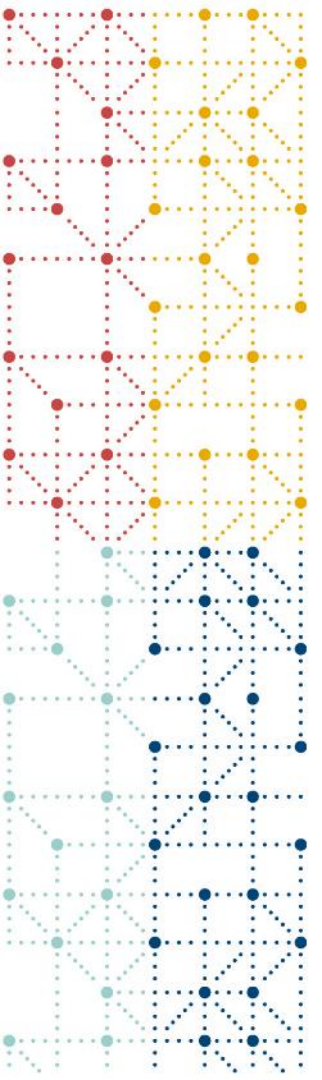


Pediatrics User Guide – Summary of Scoping

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Questions & Answers

Audience Questions

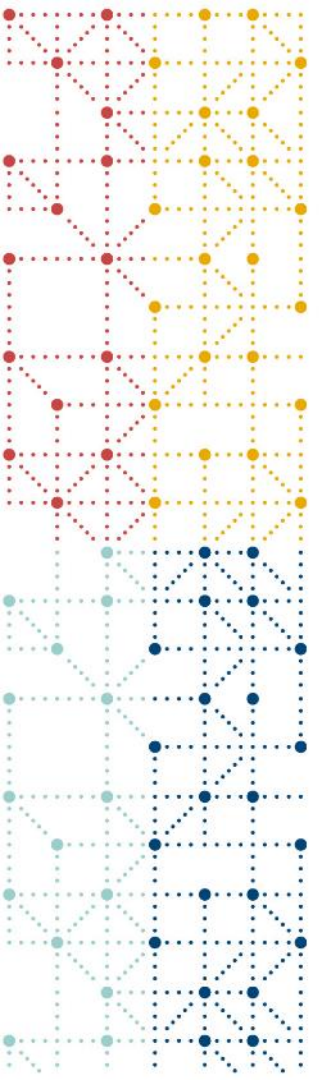
In identifying QRS scales for development, will the team have a "backup list" in case some of the initial 10 do not receive copyright permission?



Audience Questions



If someone is new to CDISC standards development, can he volunteer for the standards development?



Upcoming Learning Opportunities

New Virtual Training Methods

Blended Learning from CDISC

Online Resources
+ In-Person Instruction
More Personalized Learning

Classes Starting Soon!



CDISC Redefines Data Standards Training **NEW VIRTUAL CLASSROOM!**

- 100% Instructor Led
- Immediate Feedback
- Small Class Sizes
- Remote Convenience



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- Information available at: www.cdisc.org
- Register at: <https://learnstore.cdisc.org/>
- Contact us at: training@cdisc.org

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BLEND
ED LEARNING



VIRTUAL
TRAINING



CLASSROOM
TRAINING



PRIVATE
TRAINING

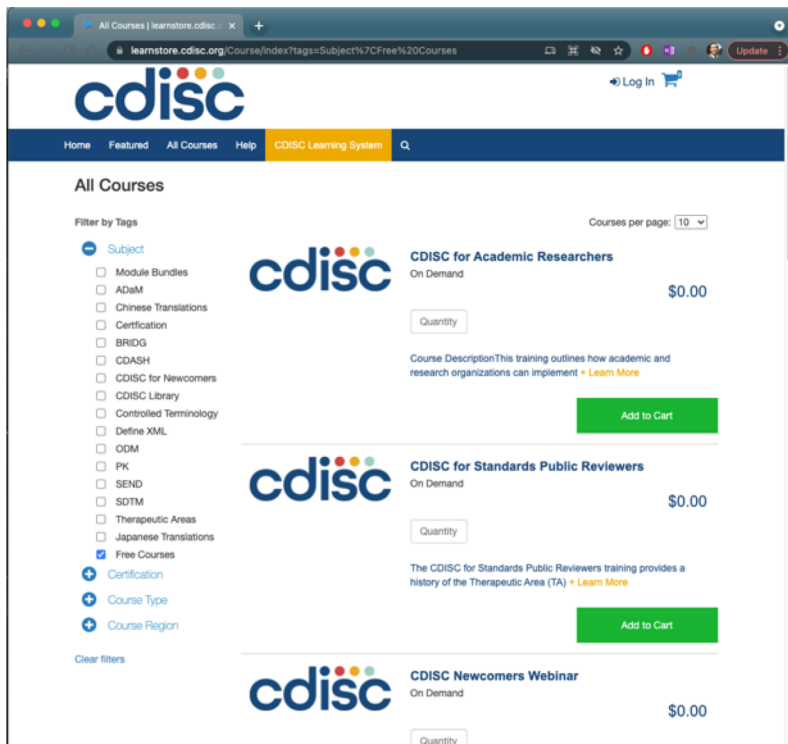


WEBINARS



WORKSHOPS

Free CDISC Courses



The screenshot shows the CDISC Learnstore website interface. The browser address bar displays the URL `learnstore.cdisc.org/Course/Index?tags=Subject%7CFree%20Courses`. The website header includes the CDISC logo, a "Log In" button, and a navigation menu with "Home", "Featured", "All Courses", "Help", and "CDISC Learning System".

The main content area is titled "All Courses" and features a "Filter by Tags" section on the left. Under the "Subject" filter, the "Free Courses" checkbox is selected. The "Courses per page" dropdown is set to 10.

Three course cards are visible:

- CDISC for Academic Researchers**: On Demand, \$0.00. Description: "This training outlines how academic and research organizations can implement". Includes an "Add to Cart" button.
- CDISC for Standards Public Reviewers**: On Demand, \$0.00. Description: "The CDISC for Standards Public Reviewers training provides a history of the Therapeutic Area (TA)". Includes an "Add to Cart" button.
- CDISC Newcomers Webinar**: On Demand, \$0.00. Includes a "Quantity" input field.

A "Clear filters" link is located at the bottom left of the filter section.

[Http://learnstore.cdisc.org](http://learnstore.cdisc.org)



2021 US INTERCHANGE

With Standards - Science Will Prevail!

Now fully virtual!



Live Stream | 20-21 October

Conference & Trade Show



2021 CHINA INTERCHANGE

With Standards - Science Will Prevail!



Beijing | 19-20 November

Conference | Trade Show



Upcoming Webinars

2021 Hybrid US Interchange Sneak Peek

23 September 2021, 10 - 10:45am EDT

[REGISTER NOW!](#)

Join CDISC leaders for a preview of the upcoming hybrid [US Interchange](#) , which will take place 20 - 21 OCT in person in Washington, DC and online.

CDISC staff and community experts will introduce [program highlights](#) such as the [CDISC Open Rules Engine \(CORE\)](#) and the CDISC Open Source Alliance (COSA), regulatory topics, and more. Webinar attendees will get a look at the conference platform that will be available for both in-person and virtual attendees. We want all our attendees to experience the same great presentations, whether from seats in the conference rooms or from the comfort of their living rooms.

Panelist(s)

Sam Hume, Vice President, Data Science, CDISC
Bernard Klinke, Virtual Experience Manager, CDISC
Amy Palmer, Head of Standards Development, CDISC
Andrea Vadakin, Sr. Director, Membership and Events, CDISC

Language

English

Controlled Terminology Updates for Q3 2021

30 September 2021, 11am - 12:30pm EDT

[REGISTER NOW!](#)

This quarterly webinar series addresses the latest Controlled Terminology release package as well as content currently in Public Review. Controlled Terminology is the set of codelists and valid values used with data items within CDISC-defined datasets. Controlled Terminology provides the values required for submission to FDA and PMDA in CDISC-compliant datasets.

Panelist(s)

Dr. Erin Muhlbardt, Clinical/Biomedical Information Specialist, Enterprise Vocabulary Services, National Cancer Institute

Language

English

Upcoming Webinars

Digital Data Flow: Project Information and Call for Volunteers

5 October 2021, 11am - 12:30pm EDT

[REGISTER NOW!](#)

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.

Deliverables will include a logical data model, supporting Controlled Terminology, API specifications and related conformance tests.

Join us as we share project progress and how to get involved.

[Read the press release announcing the project.](#)

Panelist(s)

Dave Evans, CDISC President & CEO

John Owen, CDISC Head of Partnership & Development

Christine Connolly, CDISC Senior Project Manager

Language

English

Controlled Terminology Updates for Q4 2021

21 December 2021, 11am - 12:30pm EST

[REGISTER NOW!](#)

This quarterly webinar series addresses the latest Controlled Terminology release package as well as content currently in Public Review. Controlled Terminology is the set of codelists and valid values used with data items within CDISC-defined datasets. Controlled Terminology provides the values required for submission to FDA and PMDA in CDISC-compliant datasets.

Panelist(s)

Dr. Erin Muhlbradt, Clinical/Biomedical Information Specialist, Enterprise Vocabulary Services, National Cancer Institute

Language

English

<https://www.cdisc.org/events/webinar>

Thank you!



Contact the Events inbox:
events@cdisc.org



Contact Education inbox:
training@cdisc.org



Contact Bernard directly:
bklinke@cdisc.org