

CDISC Public Webinar – Standards Updates and Additions

13 DEC 2016



Strength *through Collaboration*

Agenda

- CT Updates
 - Package 28 Publication Release
 - Package 29 Public Review
 - Bernice Yost, Director of Terminology, CDISC
- Terminology for Flow Cytometry
 - Dr. Craig Zwickl, Sr. Research Scientist, Eli Lilly
- CDISC Online Education & Event Updates
 - John Ezzell, CDISC

Question & Answer

- 'Panelist': Question
- OR
- 'Presentation': Question

Examples:

Rachael: What are the differences between the DKD Diabetes User Guide?

CDISC CONTROLLED TERMINOLOGY

Presented by Bernice F. Yost
and
Craig M. Zwickl, M.S., Ph.D.



Strength *through Collaboration*

Controlled Terminology Agenda

- Package 28 Publication Release (16 Dec 2016)
 - What's new
 - What's changed
- Package 29 Public Review (16 Dec 2016 to 27 Jan 2017)
 - What's new
 - What's changed

Controlled Terminology Publication Schedule

Package Number	Team Cutoff (requests must be received at least two months before this date)	Public Review Start Date (1 wk from Team Cutoff)	Public Review Closed Date (4 wks)	Final Changes to NCI EVS (4 wks)	Publication Date (6 wks)	Codelists to be Included			
24	9/4/2015	9/11/2015	10/9/2015	11/6/2015	12/18/2015	Device	ECG	General	Lab
24						Oncology	PGx	PK	SEND
24						Unit	Virology		
25	12/4/2015	12/11/2015	1/15/2016	2/12/2016	3/25/2016	General	Lab	Oncology	PGx
25						PK	SEND	Spectype Specond	Unit
25						Virology			
26	3/11/2016	3/18/2016	4/15/2016	5/13/2016	6/24/2016	CV	Device	General	Lab
26						Oncology	SEND	Spectype Specond	Unit
26						Virology			
27	6/10/2016	6/17/2016	7/15/2016	8/19/2016	9/30/2016				
27									
27									
28	9/2/2016	9/9/2016	10/7/2016	11/4/2016	12/16/2016				
28									
28									
29	12/9/2016	12/16/2016	1/27/2017	2/17/2017	3/31/2017				
29									
29									
30	3/17/2017	3/24/2017	4/21/2017	5/19/2017	6/30/2017				
30									
30									
31	6/16/2017	6/23/2017	7/21/2017	8/18/2017	9/29/2017				

Controlled Terminology Package 28 Publication Release

Controlled Terminology Package 28 Publication Release

- Cardiovascular Terminology Team:
 - New Term Added to Existing Codelist
 - Cardiovascular Test Code/Test Name

Controlled Terminology Package 28 Publication Release

- Device Terminology Team:
 - New Codelist
 - Device-In-Use Response
 - New Term Added to Existing Codelist
 - Device In-Use Test Name/Test Code

Controlled Terminology Package 28 Publication Release

- ECG Terminology Team:
 - New Term Added to Existing Codelist
 - ECG Result

Controlled Terminology Package 28 Publication Release

- General Terminology Team

- Codelist Name Change

- Trial Indication Type

- Trial Intent Type Response**

- » The codelist name needed to be updated to remove the confusion and incorrect usage of trial indication type codelist, trial indication type response, trial indication type test, and trial indication test.

Controlled Terminology Package 28 Publication Release

- General Terminology Team
 - Submission Value Change
 - Trial Summary Parameter Test Code/Test Name
 - Test Name: Trial Indication Type
 - » **Trial Intent Type**
 - Test Code: TINDTP
 - Test Name: Trial Indication
 - » **Trial Disease/Condition Indication**
 - Test Code: INDIC
 - » The submission value needed to be updated to remove the confusion and incorrect usage of trial indication type codelist, trial indication type response, trial indication type test, and trial indication test.

Controlled Terminology

Package 28 Publication Release

- General Terminology Team
 - Term Removed
 - ADaM Derivation Type Codelist
 - TIME MATCHED (C125936)
 - » This value does not appear to indicate how an analysis value was derived which is the purpose of this codelist - you possibly might have TIME MATCHED - LOCF or TIME MATCHED - BLOCF as a valid value but TIME MATCHED in and of itself does not appear to be a valid DTYPE value.
 - Method Codelist
 - FDGPET (FDG-PET Scan)
 - FLTPET (FLT-PET Scan)
 - » PET already exists in the METHOD codelist. You can use the Procedure Agents (AG) domain for the radio labelled substances or you can put this information in SUPPQUAL.

Controlled Terminology Package 28 Publication Release

- General Terminology Team
 - New Codelist
 - Urinary System Test Code/Test Name
 - Diabetic Kidney Disease Findings About Test Code/Test Name

Controlled Terminology Package 28 Publication Release

- General Terminology Team
 - New Term Added to Existing Codelist
 - Anatomical Location
 - Method
 - Relationship to Subject
 - Skin Response Test Code/Test Name
 - Nervous System Physiology Test Code/Name

Controlled Terminology Package 28 Publication Release

- Lab Terminology Team (*Laboratory Test Codelists*)
 - Submission Value Change
 - Laboratory Test Code/Test Name
 - Test Name: Cytokeratin Fragment 21-1
 - » **Cytokeratin 19 Fragment 21-1**
 - Test Code: CYFRA211

The submission value for the test name was updated to avoid confusion with other cytokeratin fragments.

Controlled Terminology Package 28 Publication Release

- Lab Terminology Team (*Laboratory Test Codelists*)
 - New Term Added to Existing Codelist
 - Laboratory Test Code/Test Name

Controlled Terminology

Package 28 Publication Release

- Lab Terminology Team (*Unit Codelist*)

- Submission Value Change

- Unit

- ugeq/L (microgram equivalents of solute per liter of solution)

- » **ugEq/L**

- The symbol for Equivalent is Eq. The E in the submission value and synonym should be upper case. This will make it consistent with the other equivalent terms that are published.

- Term Removed

- Unit Codelist

- HPF (High Powered Field)
 - » Please use C96619 (/HPF).
 - LPF (Low Powered Field)
 - » Please use C96620 (/LPF).

Controlled Terminology Package 28 Publication Release

- Lab Terminology Team (*Unit Codelist*)
 - New Term Added to Existing Codelist
 - Unit

Controlled Terminology Package 28 Publication Release

- Oncology Terminology Team
 - New Term Added to Existing Codelist
 - Oncology Response Assessment Result

Controlled Terminology

Package 28 Publication Release

- SEND Terminology Team
 - C-Code Change
 - SEND Trial Summary Parameter Test Code/Test Name Codelist
 - Principal Investigator
 - » The name of the investigator who is responsible for defined aspects of a study, as specified in the study protocol.
 - Study Director
 - » The name of the person who has overall responsibility for the technical conduct of a study, as well as for the interpretation, analysis, documentation and reporting of results, and represents the single point of study control. (FDA)
 - Sponsor's Monitor
 - » The name of the individual working for the sponsor responsible for overseeing the activities of the study.
 - Sponsoring Organization
 - » The name of the entity that is responsible for the initiation, management, and/or financing of a nonclinical study. (NCI)

Controlled Terminology

Package 28 Publication Release

- SEND Terminology Team
 - New Term Added to Existing Codelist
 - SEND Trial Summary Parameter Test Code/Test Name
 - Neoplasm Type
 - Specimen

Controlled Terminology Package 28 Publication Release

- Virology Terminology Team
 - New Term Added to Existing Codelist
 - Microorganism

Controlled Terminology

Package 28 Publication Release

- Questionnaires, Ratings, and Scales (QRS) Terminology Team
 - New Codelist:
 - Questionnaire
 - Functional Assessment of Cancer Therapy-Leukemia Version 4
 - Functional Assessment of Cancer Therapy-Hepatobiliary Version 4
 - Functional Assessment of Cancer Therapy-Lymphoma Version 4
 - Hamilton Depression Rating Scale-6 Item, Self-Report Version
 - Inventory of Depressive Symptoms-Self-report
 - Quick Inventory of Depressive Symptoms-Self-Report
 - Quality Of Life Enjoyment And Satisfaction Questionnaire
 - Quality Of Life Enjoyment And Satisfaction Questionnaire - Short Form
 - WHODAS 2.0 36-item Version Interviewer-administered
 - WHODAS 2.0 36-item Version Proxy-administered
 - WHODAS 2.0 36-item Version Self-administered
 - WHODAS 2.0 12+24-item Version Interviewer-administered
 - WHODAS 2.0 12-item Version Interviewer-administered
 - WHODAS 2.0 12-item Version Proxy-administered
 - WHODAS 2.0 12-item Version Self-administered

Controlled Terminology

Package 28 Publication Release

- Questionnaires, Ratings, and Scales (QRS) Terminology Team
 - New Codelist:
 - Clinical Classification
 - Brooke Upper Extremity Scale
 - Hamilton Depression Rating Scale-6 Item, Clinician Version
 - Hamilton Depression Rating Scale-24 Item
 - Inventory of Depressive Symptoms-Clinician
 - Kidney Donor Profile Index
 - Quick Inventory of Depressive Symptoms-Clinician
 - Vignos Lower Extremity Scale

Controlled Terminology Package 29 Public Review

Controlled Terminology Package 29 Public Review

- Cardiovascular Terminology Team:
 - New Term Added to Existing Codelist
 - Cardiovascular Test Code/Test Name

Controlled Terminology Package 29 Public Review

- Device Terminology Team:
 - New Term Added to Existing Codelist
 - Device Identifier Short Name/Long Name

Controlled Terminology Package 29 Public Review

- ECG Terminology Team:
 - New Term Added to Existing Codelist
 - ECG Test Method

Controlled Terminology

Package 29 Public Review

- General Terminology Team
 - New Codelist
 - Administration Technique Response
 - Terminology relevant to the product administration technique used.
 - Specimen Collection Method
 - Terminology relevant to the method used in specimen collection.
 - Malaria Findings About Test Code/Test Name
 - Terminology relevant to the test codes/names that describe findings about a malaria event or intervention.
 - Ebola Virus Findings About Test Name/Code
 - Terminology relevant to the test names/codes that describe findings about an Ebola virus infection event or intervention.
 - Asthma Findings About Test Name/Code
 - Terminology relevant to the test names/codes that describe findings about an asthma event or intervention.

Controlled Terminology

Package 29 Public Review

- General Terminology Team
 - New Term Added to Existing Codelist
 - ADaM Codelist Name: Derivation Type
 - Anatomical Location
 - Method
 - Respiratory Test Code/Test Name
 - Nervous System Physiology Test Code/Name
 - Trial Type
 - General Observation Class
 - Domain Abbreviation
 - Evaluator
 - Medical Evaluator
 - Medical History Event Date Type
 - Ophthalmic Exam Test Code/Test Name
 - Protocol Milestone
 - Relationship to Subject
 - Subject Characteristic Test Code/Test Name
 - Schizophrenia Findings About Test Code/Test Name
 - Vital Signs Test Code/Vital Signs Test Name

Controlled Terminology

Package 29 Public Review

- Lab Terminology Team (*Laboratory Test Codelists*)
 - Codelist Name Change
 - Long Name (Short Name)
 - Microscopic Findings Test Name (MITEST)
 - »SDTM Microscopic Findings Test Name (MITS)
 - Microscopic Findings Test Code (MITESTCD)
 - »SDTM Microscopic Findings Test Code (MITSCD)
 - » The SEND terminology team and the SDTM terminology team have agreed to have separate Microscopic Findings Test Code/Test Name codelists. It was necessary to change the codelist long name and short name in order to distinguish it from the SEND codelists.

Controlled Terminology

Package 29 Public Review

- Lab Terminology Team (*Laboratory Test Codelists*)

- Submission Value Change

- Laboratory Test Code/Test Name

- Test Name: Panel Reactive Antibody

- Test Code: PRA

- » **PRAB**

PRA is ambiguous because it applies to Panel Reactive Antibody and Plasma Renin Activity.

Controlled Terminology

Package 29 Public Review

- Lab Terminology Team (*Laboratory Test Codelists*)
 - Term Removed
 - Laboratory Test Code/Test Name
 - HBV Viral Load
 - Hepatitis B DNA
 - Hepatitis G RNA
 - ADV Viral Load
 - BKV Viral Load
 - CMV Viral Load
 - EBV Viral Load
 - HAV Viral Load
 - HCV Viral Load
 - HIV Viral Load
 - Influenza A H1N1 Viral Load
 - Influenza A Viral Load
 - » Virology TAUG has Viral Load in the LBCAT variable. The LBTEST variable can contain RNA, DNA, etc. The new variable NHOID holds the non-host organism identifier.

Controlled Terminology

Package 29 Public Review

- Lab Terminology Team (*Laboratory Test Codelists*)
 - New Term Added to Existing Codelist
 - Laboratory Test Code/Test Name
 - Microscopic Findings Test Code/Test Name
 - Microscopic Findings Test Details

Controlled Terminology Package 29 Public Review

- Lab Terminology Team (*Spectype/Speccond Codelist*)
 - New Term Added to Existing Codelist
 - Specimen Type

Controlled Terminology Package 29 Public Review

- Lab Terminology Team (*Unit Codelist*)
 - New Term Added to Existing Codelist
 - Unit

Controlled Terminology

Package 29 Public Review

- Oncology Terminology Team
 - Submission Value Change and C-Code Change
 - Tumor or Lesion Properties Test Code/Test Name
 - Sum of Area (SUMAREA)
 - »Sum of Products of Perpendicular Diameters (SUMPPD)
 - Percent Change Nadir in Sum of Area (PCNSA)
 - »Percent Change Nadir in Sum of PPD (PCNSPPD)
 - Percent Change Baseline in Sum of Area (PCBSA)
 - »Percent Change Baseline in Sum of PPD (PCBSPPD)

Retire existing term and replace with a new concept.
Products of perpendicular diameters is a more precise
description of the measurement being taken than "area".

Controlled Terminology Package 29 Public Review

- Oncology Terminology Team
 - New Term Added to Existing Codelist
 - Tumor or Lesion Identification Test Results
 - Tumor or Lesion Properties Test Code/Test Name
 - Category of Oncology Response Assessment
 - Oncology Response Assessment Test Code/Test Name

Controlled Terminology Package 29 Public Review

- PGx (Pharmacogenomics/Genetics) Terminology Team
 - New Codelist
 - Genetic Region of Interest Type
 - Terminology relevant to the classification of the genetic region under study.

Controlled Terminology Package 29 Public Review

- PGx (Pharmacogenomics/Genetics) Terminology Team
 - New Term Added to Existing Codelist
 - Pharmacogenomics Findings Test Name/Code

Controlled Terminology Package 29 Public Review

- PK Terminology Team
 - New Term added to Existing Codelist
 - PK Parameters Name/Code

Controlled Terminology

Package 29 Public Review

- SEND Terminology Team
 - Codelist Name Change
 - Microscopic Findings Test Name
 - [SEND Microscopic Findings Test Name](#)
 - Microscopic Findings Test Code
 - [SEND Microscopic Findings Test Code](#)

Controlled Terminology

Package 29 Public Review

- SEND Terminology Team

- Submission Value Change

- Specimen Codelist

- AMYGDALOID BODY

- » BRAIN, AMYGDALOID BODY

- The change to the submission value is being proposed because all Brain parts in this codelist should follow the naming convention 'Brain,...' in order to sort together.

- ARTERY, MAMMARY

- » ARTERY, INTERNAL THORACIC

- The change to the submission value is being proposed because the existing nomenclature is incorrect; animal anatomy textbooks rarely, if ever, use Mammary Artery. The proposed change will bring SEND terminology in line with standard animal anatomy nomenclature.

- CAUDA EPIDIDYMIS

- » EPIDIDYMIS, CAUDA

- The change to the submission value is being proposed because SEND submission values should be in the NOUN, ADJECTIVE format so that all related terms sort together.

- COCHLEAR NUCLEI

- » BRAIN, COCHLEAR NUCLEI

- The change to the submission value is being proposed because all Brain parts in this codelist should follow the naming convention 'Brain,...' in order to sort together.

Controlled Terminology Package 29 Public Review

- SEND Terminology Team
 - Submission Value Change continued
 - Specimen Codelist
 - CORPUS CALLOSUM
 - » BRAIN, CORPUS CALLOSUM
 - The change to the submission value is being proposed because all Brain parts in this codelist should follow the naming convention 'Brain,...' in order to sort together.
 - JOINT, KNEE
 - » JOINT, FEMOROTIBIAL
 - The change to the submission value is being proposed because not all non-human animals have 'knees'. This submission value change will make this term more usable across more species.
 - LYMPH NODE, PRESCAPULAR
 - » LYMPH NODE, CERVICAL, SUPERFICIAL
 - The change to the submission value is being proposed because Superficial Cervical Lymph Node is the preferred term in anatomy texts.

Controlled Terminology

Package 29 Public Review

- SEND Terminology Team
 - Submission Value Change continued
 - Specimen Codelist
 - TISSUE, SYNOVIAL
 - » **SYNOVIAL MEMBRANE**

The change to the submission value is being proposed because the NCI concept and definition was originally describing the synovial membrane and the SEND team feels that the existing submission value for this concept is imprecise and incorrect. Therefore they are proposing this submission value change in order to ensure correct usage of the term.
 - VALVE, MITRAL
 - » **VALVE, LEFT ATRIOVENTRICULAR**

The change to the submission value is being proposed because Left Atrioventricular Valve is the preferred term in anatomy texts.
 - VALVE, TRICUSPID
 - » **VALVE, RIGHT ATRIOVENTRICULAR**

The change to the submission value is being proposed because Right Atrioventricular Valve is the preferred term in anatomy texts.

Controlled Terminology

Package 29 Public Review

- SEND Terminology Team
 - Submission Value Change and C-Code Change
 - Specimen Codelist
 - TISSUE (C12801)
 - » Definition: An anatomical structure consisting of similarly specialized cells and intercellular matrix, aggregated according to genetically determined spatial relationships, performing a specific function. (NCI)
 - TISSUE, UNSPECIFIED (CNEW)
 - » Definition: A tissue specimen for which the identity or anatomic origin is not known or specified.

Retire existing concept and replace with a new term TISSUE, UNSPECIFIED. There are situations in which TISSUE is received as the specimen with no other identifying characteristics that can be submitted along with the generic term of TISSUE. In these cases, it is more correct that the term should be TISSUE, UNSPECIFIED instead of simply TISSUE since the definition for tissue implies more knowledge about the tissue than the sponsor has.

Controlled Terminology

Package 29 Public Review

- SEND Terminology Team

- C-Code Change

- Specimen Codelist

- BRAIN, CEREBELLUM

- » C49137

- » C12445

This concept was incorrectly coded; it was meant to contain the Cerebellum as a whole, not just the cortical cell layer. C49137 will be retired from the codelist; please use C12445 instead.

- BRAIN, CEREBRUM

- » C49136

- » C12351

This concept was incorrectly coded; it was meant to contain the Cerebral Cortex as a whole, not just the cortical cell layer. C49136 will be retired from the codelist; please use C12351 instead.

Controlled Terminology

Package 29 Public Review

- SEND Terminology Team
 - C-Code Change continued
 - Specimen Codelist
 - BONE
 - DUCT, BILE
 - ESOPHAGUS
 - FETUS
 - GLAND, ADRENAL
 - GLAND, MAMMARY
 - GLAND, PARATHYROID
 - GLAND, PINEAL
 - GLAND, PROSTATE
 - GLAND, SALIVARY
 - GLAND, THYROID
 - INTESTINE
 - KIDNEY
 - LARGE INTESTINE
 - » The SEND CT team has agreed that tissue-specific concepts are not appropriate for this codelist and so the coding change will bring the concepts in line with what was meant by the submission values.

Controlled Terminology Package 29 Public Review

- SEND Terminology Team
 - C-Code Change continued
 - Specimen Codelist
 - LIVER
 - LUNG
 - LYMPH NODE
 - NERVE
 - OROPHARYNX
 - PENIS
 - SMALL INTESTINE
 - SPLEEN
 - STOMACH
 - THYMUS
 - TOOTH
 - URINARY BLADDER
 - VESSEL, BLOOD
 - » The SEND CT team has agreed that tissue-specific concepts are not appropriate for this codelist and so the coding change will bring the concepts in line with what was meant by the submission values.

Controlled Terminology

Package 29 Public Review

- SEND Terminology Team
 - Term Removed
 - SEND Microscopic Findings Test Code/Test Name
 - Abnormal Cells
 - Beta-defensin 2
 - Breast Cancer Type 1 Susceptibility Prot
 - Cancer Cellularity
 - Cytokeratin 16
 - Dendritic Cell-Lysosomal-Assoc Memb Prot
 - Estrogen Receptor
 - Fibrosis
 - Human Epidermal Growth Factor Receptor 2
 - Ki-67
 - Lipocalin-2
 - » SEND IG 3.0 and 3.1 only supports the use of a single test, Microscopic Examination. The SEND team will consider adding new terms in future.

Controlled Terminology

Package 29 Public Review

- SEND Terminology Team
 - Term Removed continued
 - SEND Microscopic Findings Test Code/Test Name
 - Lymphatic Invasion
 - NK2 Homeobox 1
 - Normal Cells/Total Cells
 - Percentage of In situ Carcinoma
 - Perineural Invasion
 - Progesterone Receptor
 - S100 Calcium Binding Protein A7
 - Stromal Cells/Total Cells
 - Surgical Margins Status
 - Thickness
 - Tumor Cells/Total Cells
 - Vascular Invasion
 - » SEND IG 3.0 and 3.1 only supports the use of a single test, Microscopic Examination. The SEND team will consider adding new terms in future.

Controlled Terminology

Package 29 Public Review

- SEND Terminology Team
 - New Codelist
 - Within Normal Limits Results
 - Terminology related to result values that are considered normal or within normal limits.
 - SEND Nervous System Findings Category
 - Terminology relevant to the categorization of non-clinical nervous system assessments.
 - SEND Nervous System Findings Subcategory
 - Terminology relevant to the subcategorization of non-clinical nervous system assessments.
 - SEND Nervous System Findings Method
 - Terminology relevant to the technique or procedure (an action) that determines how a non-clinical nervous system observation was determined.
 - SEND Nervous System Findings Test Code/Name
 - Terminology for the test codes/names relevant to non-clinical assessments in the nervous system.

Controlled Terminology Package 29 Public Review

- SEND Terminology Team
 - New Term Added to Existing Codelist
 - SEND Trial Summary Parameter Test Code/Name
 - Neoplasm Type
 - Non-Neoplastic Finding Type

Controlled Terminology Package 29 Public Review

- Virology Terminology Team
 - Term Removed
 - Microorganism Codelist
 - SHEWANELLA PUTREFACIENS GROUP
 - » This term is the same as C86743, Shewanella Putrefaciens.
 - Microbiology Test Code/Test Name
 - Viral Identification (VRIDENT)
 - » The intended use for the TEST of Viral Identification is to identify an organism taxonomically below the species level. The current CDISC definition and submission value are not clear and do not convey this intended purpose. The current definition reads as if this TEST can be used to identify an organism at any taxonomic level instead of specifically for below the species level. The TEST of Viral Identification will be replaced with “Taxonomic Ident Below Species Level/ TXIDBSL”, which is a new MBTEST with a new c-code that will be released in P29.

Controlled Terminology Package 29 Public Review

- Virology Terminology Team
 - New Term Added to Existing Codelist
 - Microbiology Test Code/Test Name
 - Immunogenicity Specimen Assessments Test Code/Test Name

Flow Cytometry Terminology

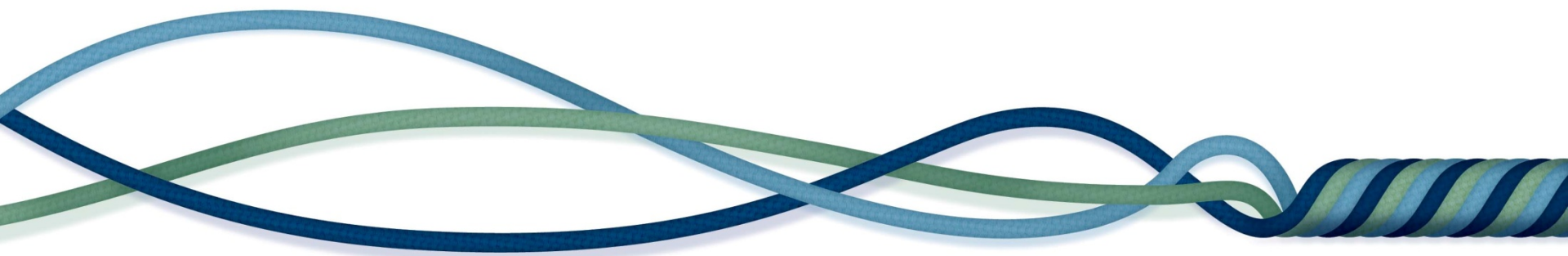
Package 29 Public Review

- Flow Cytometry Terminology
 - We have now determined a new approach to flow cytometry terminology which involves the following:
 - The lab test name will be the Core Cell Type.
 - The lab test code will be the <C-Code>.
 - The receptor pattern should be stored in SUPPQUAL.

Flow Cytometry Terminology

Package 29 Public Review

TESTCD <C-code>	TEST Flow Cytometry <Core Cell Type>	SYNONYM	SUPPQUAL Flow Cytometry SUPPQUAL <Receptor Pattern> These are examples of some of the markers and are not examples of the string itself that would be in the SUPPQUAL	CDISC Definition Flow Cytometry: A measurement of the <core cell type> in a biological specimen.
<C-code>	Endothelial Cells	Endothelial Cells	CD31, CD34, CD54, CD61, CD62E (E-Selectin), CD105 (Endoglin), CD106 (VCAM-1), CD144 (VE-Cadherin), CD146 (MUC18, Mel-CAM), CD201 (EPCR), CD202b (Tie2/Tek), CD309 (VEGFR2 - Flk-1), Podoplanin, VEGFR3	A measurement of the endothelial cells in a biological specimen.
<C-code>	Fibroblasts	Fibroblasts	CD10, CD29, CD47, CD81, CD91, CD121a	A measurement of the fibroblasts in a biological specimen.
<C-code>	Myeloid-Derived Suppressor Cells	Myeloid-Derived Suppressor Cells	CD11b, CD15, CD33, CD66b, CD124, VEGFR1	A measurement of the myeloid-derived suppressor cells in a biological specimen.
<C-code>	Dendritic Cells, Myeloid	Dendritic Cells, Myeloid	CD1a, CD1b, CD1c, CD4, CD11b, CD11c, CD40, CD49d, CD80, CD83, CD86, CD197 (CCR7), CD205 (DEC-205), CD207 (Langerin), CD209 (DC-SIGN), CD273 (B7-DC, PD-L2), CD304 (Neuropilin-1), CMKLR-1, DC Marker (33D1), F4/80, HLA-DR, MHC Class II	A measurement of the myeloid dendritic cells in a biological specimen.
<C-code>	T-lymphocytes, Naive	T-lymphocytes, Naive	CD3, CD4, CD45RA, CD45RB, CD62L, CD197 (CCR7)	A measurement of the naive T-lymphocytes in a biological specimen.



Strength *through collaboration.*

If you are interested in contributing to the CDISC Terminology Initiative, please contact us...

Bernice Yost, byost@cdisc.org

Q&A



CDISC Online Education & Event Updates

John Ezzell, CDISC



Strength *through Collaboration*

Upcoming Webinar

Presenters	Topics	Webinar Date
Kit Howard, Director of Education, CDISC	The World of Standards: CDISC and Beyond	15 DEC 2016

Webinar details and registration at www.cdisc.org/webinars

UPCOMING NORTH AMERICA PUBLIC COURSES

Location	Dates	Courses Offered:	Discount period ends:	Late fees kick(ed) in:	Host
Miami, FL	23-27 Jan 2017	SDTM, CDASH, ADaM Primer, ADaM T&A	23 Oct 2016	23 Dec 2106	 biorasi CLINICAL RESEARCH OPTIMIZED™ Powered by TALOS™
Raleigh, NC	27 Feb – 3 Mar 2017	SDTM, CDASH, ADaM Primer, ADaM T&A	28 Nov 2016	28 Jan 2017	
Audubon, PA	3-7 Apr 2017	SDTM, CDASH, ADaM Primer, ADaM T&A, CT, Define-XML	3 Jan 2017	3 Mar 2017	 BIOCLINICA SEE MORE CLEARLY
Toronto, ON	5-9 June 2017	SDTM, CDASH, ADaM Primer, ADaM T&A, Define-XML	6 Mar 2017	5 May 2017	 McDOUGALL SCIENTIFIC INSIGHTS YOU CAN TRUST

Visit cdisc.org/public-courses for information on other CDISC Public Training events.

UPCOMING EUROPE PUBLIC COURSES

Location	Dates	Courses Offered:	Discount period ends	Late fees kick(ed) in:	Host
London, UK	24-28 Apr 2017	See web.	24 Feb 2017	24 Mar 2017	 CDISC
Frankfurt, Germany	19-23 Jun 2017	SDTM, CDASH, Define-XML, ADaM	20 Mar 2017	20 May 2017	 CLINIPACE WORLDWIDE

Visit cdisc.org/public-courses for information on other CDISC Public Training events.

UPCOMING ASIA PUBLIC COURSES

Location	Dates	Courses Offered	Discount period ends:	Late fees kick(ed) in:	Host
Tokyo, Japan	13-17 Mar 2017	SDTM, CDASH, ADaM, Define-XML	11 Jan 2017	11 Feb 2017	

Visit cdisc.org/public-courses for information on other CDISC Public Training events.

CDISC Online Training Production Update

- Just Released
 - Mini-Training: SEND for Clinical Research Professionals

Drag and Drop Exercise: Required, Conditionally Required and Permissible ADSL Variables

Instructions: Drag the Required, Conditionally Required and Permissible variables into the correct barrels. When you are complete, click the "Submit" button to check your answers.

SITEGRY: pooled group of sites used for analysis

USUBJID: unique subject identifier

AGEGRY: pooled age group

REGIONY: pooled groups of sites into geographic regions

AGE and AGEU

SITEID: unique site identifier

RACE

SUBJID: subject identifier used within study

RACEGRY: pooled race group

STUDYID: study identifier

Required or Conditionally Required variables

Permissible variables

Submit

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Online Courses in Development
CT Module 1
Define-XML Module1
TA Alzheimer's
TA Vaccines
TA Prostate Cancer
TA Rheumatoid Arthritis
TA Pain
ADaM Modules 5-8

Any more questions?

Thank you for attending this webinar.

**CDISC's vision is to:
Inform Patient Care & Safety Through Higher Quality Medical Research**



Strength *through collaboration.*

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