

What's New: SDTM 3.3 vs SDTM 3.4

- SV
- IS/GF/(LB/MB)

Dagmar Kottig-Roth

Global Data Standards

ICON Biotech Solutions

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Major Updates to Domains

Domain Changes

Change Type	Document	Domain	Class	Comment
Add	SDTM-IG 3.4	BE	Biospecimen Events	from SDTMIG-PGx
Add	SDTM-IG 3.4	BS	Biospecimen Findings	from SDTMIG-PGx
Add	SDTM-IG 3.4	RELSPEC	Related Specimens	from SDTMIG-PGx
Add	SDTM-IG 3.4	GF	Genomics Findings	replaces PF from SDTMIG-PGx
Add	SDTM-IG 3.4	СР	Cell Phenotype Findings	
Add	Model 2.0	RELSPEC	Related Specimens	
Add	Model 1.8 (SEND-IG)	AC	Challenge Agent Characterization	Only for nonclinical Animal Rule studies
Remove	SDTM-IG 3.4	МО	Morphology	Domain Decomissioned

Many other changes, e.g.:

- Label Changes (e.g. DA: Drug Accountability -> Product Accountability)
- Structural Definition Changes
- Variables added, others removed, others with expanded use...

Sources:

CDISC German UN WIKI: https://wiki.cdisc.org/pages/viewpage.action?pageId=136094764 https://www.pinnacle21.com/blog/exploring-changes-sdtmig-34-adamig-13

Subject Visits (SV): Actual vs Planned Visists

Revision History in SDTM IG v3.4 (Appendix E):

Subject Visits (SV)

Impact on Date of Visit CRF!



- This domain had been considered for moving to Events, but the decision after public review was to keep it as a Subject Visits domain at this time.
- Now contains visits that did not occur as well as those that did occur
- Information was added about contacts with subjects which may not have been designated as "visits" in the protocol
- New variables were added: SVPRESP, SVOCCUR, SVREASOC, SVCNTMOD, SVEPCHGI
- a. SVPRESP = "Y" identifies rows for planned visits.
- b. For planned visits, SVOCCUR indicates whether the visit occurred.
- c. For unplanned visits, SVPRESP and SVOCCUR are null.

Subjects who screen fail, withdraw, die, or otherwise discontinue study participation will not have records for planned visits subsequent to their final disposition event.

SV New Variables

New Variables: Based on Regulatory Needs*

Variable Name	Variable Label		Controlled Terms, Codelist or Format ¹	Role	CDISC Notes	Core
SVCNTMOD	Contact Mode	Char	(CNTMODE)	Record Qualifier	The way in which the visit was conducted. Examples: "IN PERSON", "TELEPHONE CALL", "IVRS".	Perm
SVEPCHGI	Epi/Pandemic Related Change Indicator	Char	(NY)	Record Qualifier	Indicates whether the visit was changed due to an epidemic or pandemic.	Perm

Example from SDTM IG

Row	STUDYID	DOMAIN	USUBJID	VISITNUM	VISIT	SVPRESP	SVOCCUR	SVREASOC	SVCNTMOD	SVEPCHGI	VISITDY	SVSTDTC	SVENDTC	SVSTDY	SVENDY	SVUPDES
9	123456	SV	85	8	FOLLOW-	Y	Y		IN PERSON			2020-02-	2020-02-	72	72	
					UP							27	27			
10	123456	SV	101	1	SCREEN	Y	Y		IN PERSON			2020-02-	2020-02-	-6	-1	
												13	18			
11	123456	SV	101	2	DAY 1	Y	Y		IN PERSON		1	2020-02-	2020-02-	1	1	
												19	19			
12	123456	SV	101	3	WEEK 1	Y	Y		IN PERSON		8	2020-02-	2020-02-	7	7	
												25	25			
13	123456	SV	101	4	WEEK 2	Y	N	CLINIC CLOSED DUE			15					
								TO BAD WEATHER								
14	123456	SV	101	4.1					REMOTE	Υ		2020-03-	2020-03-	18	18	EVALUATION
									AUDIO VIDEO			07	07			OF AE
15	123456	SV	101	8	FOLLOW-	Υ	Y		TELEPHONE	Y		2020-03-	2020-03-	26	26	
					UP				CALL			16	16			

^{*} FDA Technical Conformance Guide: It is the current preference of the Agency that for all clinical studies, not limited to those impacted by COVID-19, subject visit data for scheduled (whether or not they occurred), and unscheduled visits be submitted in one single dataset structured as the current CDISC Subject Visits (SV) domain. It is also Agency preference that three non-standard variables (NSVs) for missed visits, --REASOC (Reason for Occur Value), --EPCHGI (Epi/Pandemic Related Change Indicator), and --CNTMOD (Contact Mode), outlined in the CDISC document "Guidance for Ongoing Studies Disrupted by COVID-19 Pandemic" be included within the SV domain and not within the supplemental SUPPSV domain or in other SDTM datasets. Submitting subject visits information in one single structured dataset allows both the human and technology consumer of this information to operate efficiently and with confidence that all visit data are considered during regulatory review.

News for IS

Immunogenicity Specimen Assessments (IS)

- The domain definition has been updated. Note, however, that the definition will be finalized through the Controlled Terminology process, and the final definition may change from that shown here.
- Added 6 new variables: ISBDAGNT, ISMSCBCE, ISTSTOPO, ISTSTCND, ISCNDAGT, and NHOID.
- Added permissible variables that were previously not included in the IS domain specification.
- Replaced assumptions from SDTMIG v3.3.
- Examples 1 and 2 replaced with new content; Examples 3-11 added.

More, and more specific variables

Change in Scope of Use:

- •Previous: assessments that describe whether a **therapy** provoked/caused/induced an immune response
- •v3.4: immune response upon an **antigen** stimulation or encounter (incl. Anti-Drug-Antibody Data/ADA Data)

USUBJID	ISSEQ	ISREFID	ISGRPID	ISTESTCD	ISTEST	ISBDAGNT	ISTSTOPO	ISCAT	ISSCAT	ISORRES	ISORRESU	ISSTRESC
ABC-002	1	V555	1	ADA_BAB	Binding	DRUG AZ-	SCREEN	ANTIDRUG	HUMORAL	POSITIVE		POSITIVE
					Antidrug	007		ANTIBODIES	IMMUNITY			
					Antibody							
ABC-002	2	V555	1	ADA_BAB	Binding	DRUG AZ-	CONFIRM	ANTIDRUG	HUMORAL	POSITIVE		POSITIVE
					Antidrug	007		ANTIBODIES	IMMUNITY			
					Antibody							
ABC-002	3	V555	1	ADA_BAB	Binding	DRUG AZ-	QUANTIFY	ANTIDRUG	HUMORAL	50	titer	50
				_	Antidrug	007		ANTIBODIES	IMMUNITY			
					Antibody							

News for GF (1/2)

Previous PGx IG v1.0 deprecated with SDTM IG v3.4

- GF Domain: Genomics Findings (GF)
 - Many specific variables for representing genomics data
- BE Domain: Biospecimen Events (BE)
 - Specimen Tracking Data
- **BS Domain:** Biospecimen Findings (BS)
 - Data related to specimen handling
 - BSSPEC depends on the type of sample:
 - For genetic samples, use GENSMP codelist
 - For non-genetic samples, use SPECTYPE codelist

BE, BS, and RELSPEC domain specifications, assumptions, and examples were copied and minimally updated from the provisional SDTMIG-PGx, published 2015-05-26. This was done in preparation for the retirement of the SDTMIG-PGx upon publication of SDTMIG v3.4. These domains are currently under extensive revision for inclusion in a future SDTMIG publication, after v3.4.

News for GF (2/2)

Example GF Domain

GFTESTCD	GFTEST	GFTSTDTL	GFORRES	GFORRESU	GFSTRESC	GFSTRESN	GFSTRESU	GFINHERT	GFGENREF	GFCHROM	GFSYM
SNV	Single Nucleotide Variation	PREDICTED AMINO ACID CHANGE	D1853N		D1853N			SOMATIC VARIATION	GRCh37.75	11	ATM

GFSYMTYP	GFGENLOC	GFSEQID	GFPVRID	GFXFN	GFNAM	GFSPEC	GFMETHOD
GENE WITH	108175462	ENST00000278616.4	COSM41596	/compbio/analysis/120718_SN855_0084_AD13D5ACXX_LCNL-	ACME	DNA	TARGETED GENOME
PROTEIN				361/sampleAnalysis/sample18.TRF001338.01/TRF001338.01.vars.final.xml	SEQUENCING		SEQUENCING
PRODUCT					LLC		

Example BE Domain

USUBJID	SPDEVID	BESEQ	BEREFID	BETERM	BEDECOD	BEPARTY	BEPRTYID	BECAT
43871	TS409871	1	1148.267	Collecting	COLLECTING	SITE	01	COLLECTION
43871		2	1148.267	Flash	FLASH	SITE	01	PREPARATION
				Freezing	FREEZING			
43871	309827	3	1148.267	Storing	STORING	SITE	01	STORING
)				

Example BS Domain

BSTESTCD	BSTEST	BSCAT	BSORRES	BSSTRESC	BSSTRESN	BSXFN	BSNAM	BSSPEC	BSMETHOD
A260A230	A260/A230	QUALITY	2.05	2.05	2.05	2.16.090.1.135764.3.4:7280912	Deluxe	rRNA	SPECTROPHOTOMETRY
		CONTROL					Central		
							Labs		
40004000	4000/4000	OUT TO	_			0.40.000.4.405704.0.4.7000040	D. I	DALLA	ODEOTDODIJOTOMETOV