

Overcoming Pitfalls of DS: Shackling the 'Elephant in the room'

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ABSTRACT

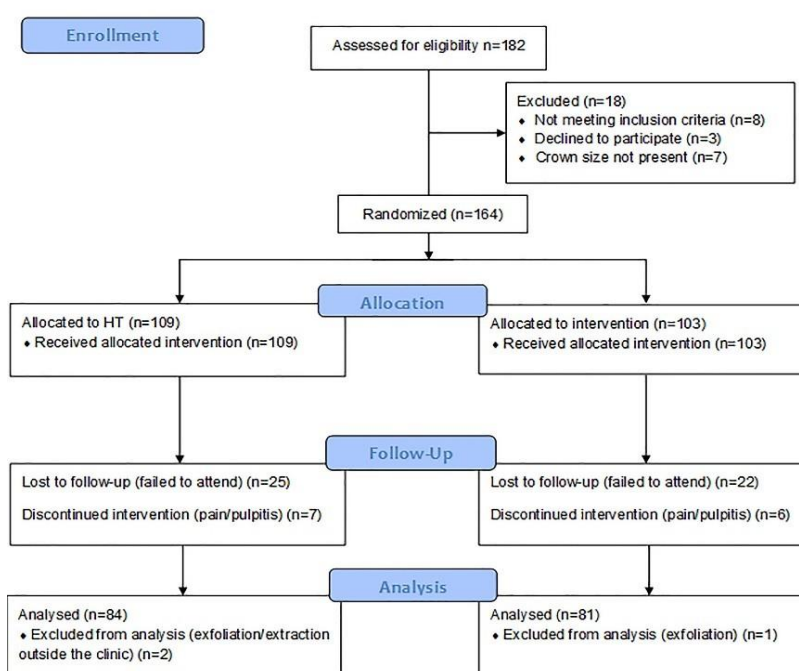
Disposition (DS) is a standard SDTM domain that has been around since the inception of SDTM. Although familiar, it has often been misinterpreted or misused. Unlike other SDTM domains, direct mapping from CRF pages presents challenges within DS. For example, CRF values may not be a perfect fit for the terms defined in controlled terminology (CT) Codelists, especially as seen in 'End of Study' or 'End of Treatment' pages. When a Codelist does not have an exact match with the CRF text, you may need to request NCI to extend the Codelist or add new terms. This, however, may create problems because not every "new term" should extend a Codelist. Also, it's important to understand the differences between criteria so that DSCAT / DSDECOD values are assigned appropriately. From an annotation perspective, this means that if DSCAT / DSDECOD values are 'assigned', they should not be annotated on the CRF. This paper will guide you through the mapping of CRF pages to DS and illustrate how to choose appropriate CT for variables like DSCAT, DSDECOD and EPOCH. So, you should hopefully be able to overcome the pitfalls of DS and shackle that 'elephant in the room'.

INTRODUCTION

The Disposition (DS) domain provides an account of all subjects who are enrolled in the study. It includes events such as informed consent, randomization and the completion status or reason for discontinuation (for the entire study, or each phase of the study), and follow-up. The events or verbatim --TERM's are categorized under different criteria (DSCAT), and --DECOD's are assigned based on CDISC Codelists for each criterion. The different DSCAT's used include 'Protocol Milestones', 'Disposition Events' and 'Other Events'. It's important to understand the differences between the criteria so that the DSCAT values can be assigned appropriately. Let's look at a few examples in the next sections to explain how DSCAT can be assigned to the right DSTERM's/DSDECOD's.

To begin, let us look at a typical study design from the 'Subject Disposition' perspective. The first step is to conceive of the study and then describe the study in detail in a protocol. We will illustrate this using a **CONSORT** (which is an organization that has produced guidelines for conducting clinical trials) flow diagram, often used to summarize the flows of a clinical study.

CONSORT Flow Diagram



The calendar within the protocol provides the schedule for the timing of all phases of the study. Each subject has a unique path through the study that is captured within the Subject Disposition (DS) domain.

The ‘**Schedule of Assessments**’ table below highlights the schedule of visits within each phase of the trial detailed within the protocol. The CONSORT flow diagram graphically summarizes the stages of the trial. Each subject is involved from ‘Enrollment’ through ‘Follow-up’, and ‘Analysis’ takes place once the subject ends participation and all data are available. Enrollment encompasses the protocol milestone of ‘Signing Informed Consent’ {which must take place to being the screening process} to ‘Randomization’ {which must take place to allow ‘Allocation’}. The subject’s disposition represents their state at various points in the study including End of Study. The next sections will look at how this would play out through various examples.

| Assessment | Screening | Treatment Period | | | EOS / Follow-up |
|-------------------------------|-----------|------------------|----|----|-----------------|
| | 1 | 2 | 3 | 4 | 5 |
| Visit / Day | | | | | |
| Relative Study Day | -16 | 1 | 14 | 21 | 25 |
| Informed Consent | X | | | | |
| Demographics | X | | | | |
| Inclusion/Exclusion | X | | | | |
| Medical History | X | | | | |
| Physical Exam | X | | | | X |
| Vital Signs | X | | | | X |
| Labs | X | | | | X |
| Randomization | X | | | | |
| Study Drug Administration | | X | X | X | |
| Concomitant Meds / Procedures | | X | X | X | X |
| AE Collection | | X | X | X | X |

EXAMPLE 1: PROTOCOL MILESTONES AND RELATED DISPOSITION EVENT:

The first step for any trial is having subjects read a consent form and sign it; then begins the screening process. These events are categorized as ‘**Protocol Milestone**’ (or protocol-specified point-in-time) in SDTM. Below is the example of one subject going through the consent form and the signing it - date of their signature is captured on the (CRF):

| | | | | |
|-----------------------|----------------|--|----|----------------|
| DS=Disposition | | INFORMED CONSENT | | DSDECOD |
| DSTERM | DSSTDTC | Date consent form signed: ____ / ____ / ____ | | |
| | | MM | DD | YYYY |

Then the subjects are assessed for Inclusion / Exclusion criteria and may subsequently get ‘Randomized’ to active treatment or placebo groups (if they meet criteria); or (If they don’t meet criteria) termed as “Screen Failure” and discontinue from the study. The DSTERM ‘Screen Failure’ gets mapped to a DSCAT of ‘Disposition Event’ and EPOCH of ‘Screening’ (Note: when DSCAT = ‘Protocol Milestone’ then EPOCH is not used, as per assumption no. 3d of the DS domain in the SDTM IG v3.2 – pg. 141):

| USUBJID | DSCAT | DSTERM | DSDECOD | DSSTDTC | EPOCH |
|---------|--------------------|---------------------------|---------------------------|------------|-----------|
| 0001 | PROTOCOL MILESTONE | INFORMED CONSENT OBTAINED | INFORMED CONSENT OBTAINED | 2019-09-03 | |
| 0001 | PROTOCOL MILESTONE | ELIGIBILITY CRITERIA MET | ELIGIBILITY CRITERIA MET | 2019-09-03 | |
| 0001 | PROTOCOL MILESTONE | RANDOMIZED | RANDOMIZED | 2019-09-19 | |
| 0002 | PROTOCOL MILESTONE | INFORMED CONSENT | INFORMED CONSENT | 2019-09-02 | |
| 0002 | DISPOSITION EVENT | SCREEN FAILURE | SCREEN FAILURE | 2019-09-18 | SCREENING |

Here is a snapshot of the extensible codelist, PROTMLST (Protocol Milestone) within the SDTM CT package:

| Code | Codelist Code | Codelist Extensible (Yes/No) | Codelist Name | CDISC Submission Value | CDISC Synonym(s) | CDISC Definition |
|---------|---------------|------------------------------|--------------------|---------------------------|--------------------|---|
| C114118 | | Yes | Protocol Milestone | PROTMLST | Protocol Milestone | A terminology Codelist relevant to protocol-specified, point-in-time events during a study. |
| C132447 | C114118 | | Protocol Milestone | ELIGIBILITY CRITERIA MET | | The subject has fulfilled the criteria needed to enter or continue in the study. |
| C161417 | C114118 | | Protocol Milestone | ENTERED INTO TRIAL | | The subject has met eligibility criteria and is enrolled in the study. The subject may or may not subsequently be randomized. |
| C161418 | C114118 | | Protocol Milestone | INFORMED ASSENT OBTAINED | | Assent given by a minor or adult who is unable to give informed consent on their own behalf, to participate in a clinical trial. Assent must be accompanied by consent from a parent or legal guardian for full participation in the study. |
| C16735 | C114118 | | Protocol Milestone | INFORMED CONSENT OBTAINED | | Consent given by a subject, or in the case of an individual that can only give assent, by a parent or legal guardian, for the participation in a clinical study only after having achieved an understanding of both the relevant medical facts and the relevant risks involved. |
| C114209 | C114118 | | Protocol Milestone | RANDOMIZED | | Participants are assigned to arms of a clinical trial by chance. |

EXAMPLE 2: DISPOSITION EVENTS AFTER SCREENING

The next step for the subject is to go through 'Treatment' phase, and they either 'Complete' it or 'Discontinue from the study', and a 'reason for non-completion' is captured on the CRF as shown in the below screenshot. These events are categorized (DSCAT) as 'Disposition Event' in DS (Note: DSCAT is not annotated because it's an 'Assigned' variable as opposed to being collected on the CRF).

DS= Disposition

UNIQUE PAGES: End of Study
Generated On: 21 Nov 2019

DSSCAT = END OF STUDY

Did the subject complete the study? **DSDECOD/DSTERM=' COMPLETED' when Yes** Yes
No

Date of completion or discontinuation from study **DSSTDTC**

Indicate primary reason for discontinuation from study participation
 Withdrew Consent
 Adverse Event
 Death

DSTERM Technical or administrative reason making continuation impossible
 Use of non-permitted concurrent therapy
 Non-compliance with the study schedule
 Lost to follow-up
 Investigator Decision
 Pregnancy
 Sponsor Request
DSDECOD Other

Other, specify **DSTERM**
 Specify AE # **Linked to AE via DSSEQ**

In Example 1 (Protocol Milestones), the values for DSTERM and DSDECOD were identical because the CRF term matched the standardized term in the PROTMLST Codelist. This may not always be the case, especially for 'Disposition Events'. Sometimes the text collected on the CRF may not directly map to a term in the NCOMPLT Codelist. The below table illustrates how the collected status – whether the subject completed (Treatment or Study) or the reasons for non-completion can be mapped using the NCOMPLT (Completion/Reason for Non-Completion) codelist:

| DSCAT | DSSCAT | DSTERM | DSDECOD | |
|-------------------|--------------|---|---------------------------------------|--|
| Disposition Event | End of Study | COMPLETED | COMPLETED | |
| Disposition Event | End of Study | Lost to follow-up | LOST TO FOLLOW-UP | |
| Disposition Event | End of Study | Withdrew Consent | WITHDRAWAL BY SUBJECT | |
| Disposition Event | End of Study | Adverse event | ADVERSE EVENT | |
| Disposition Event | End of Study | Death | DEATH | |
| Disposition Event | End of Study | Technical or administrative reason making continuation impossible | FAILURE TO MEET CONTINUATION CRITERIA | Mapped to existing codelist |
| Disposition Event | End of Study | Use of non-permitted concurrent therapy | PROTOCOL DEVIATION | |
| Disposition Event | End of Study | Non-compliance with the study schedule | NON-COMPLIANCE WITH STUDY SCHEDULE | Sent to NCI for extending the codelist |
| Disposition Event | End of Study | Investigator Decision | PHYSICIAN DECISION | |
| Disposition Event | End of Study | Pregnancy | PREGNANCY | |
| Disposition Event | End of Study | Sponsor request | SPONSOR REQUEST | |
| Disposition Event | End of Study | Unwilling to comply with the study procedures (free text for other specify) | OTHER | |

In the above table, the terms: “NON-COMPLIANCE WITH STUDY SCHEDULE” and “SPONSOR REQUEST” were not in the NCOMPLT codelist of the current version of CT package (March 29th, 2019) for SDTM terms at the time that this study was mapped:

| | A | B | C | D | E | F |
|------|---------|--------------|-----------------------------|--------------------------------------|---|--|
| 1 | Cod | Codelist Cod | Codelist Extensibi (Yes/No) | Codelist Name | CDISC Submission Value | CDISC Synonym(s) |
| 4885 | C66727 | | Yes | Completion/Reason for Non-Completion | NCOMPLT | Completion/Reason for Non-Completion |
| 4886 | C41331 | C66727 | | Completion/Reason for Non-Completion | ADVERSE EVENT | |
| 4887 | C25250 | C66727 | | Completion/Reason for Non-Completion | COMPLETED | |
| 4888 | C28554 | C66727 | | Completion/Reason for Non-Completion | DEATH | Died |
| 4889 | C38155 | C66727 | | Completion/Reason for Non-Completion | DISEASE RELAPSE | Recurrent Disease |
| 4890 | C139236 | C66727 | | Completion/Reason for Non-Completion | FAILURE TO MEET CONTINUATION CRITERIA | |
| 4891 | C105448 | C66727 | | Completion/Reason for Non-Completion | FAILURE TO MEET RANDOMIZATION CRITERIA | |
| 4892 | C48226 | C66727 | | Completion/Reason for Non-Completion | LACK OF EFFICACY | |
| 4893 | C48227 | C66727 | | Completion/Reason for Non-Completion | LOST TO FOLLOW-UP | |
| 4894 | C150884 | C66727 | | Completion/Reason for Non-Completion | MET ELIGIBILITY CRITERIA BUT NOT NEEDED | Passed Screening But Not Needed; |
| 4895 | C156551 | C66727 | | Completion/Reason for Non-Completion | NO LONGER CLINICALLY BENEFITING | NLCB |
| 4896 | C139240 | C66727 | | Completion/Reason for Non-Completion | NON-COMPLIANCE WITH NON-STUDY DEVICE | |
| 4897 | C139241 | C66727 | | Completion/Reason for Non-Completion | NON-COMPLIANCE WITH STUDY DEVICE | |
| 4898 | C49631 | C66727 | | Completion/Reason for Non-Completion | NON-COMPLIANCE WITH STUDY DRUG | |
| 4899 | C17649 | C66727 | | Completion/Reason for Non-Completion | OTHER | Other |
| 4900 | C48250 | C66727 | | Completion/Reason for Non-Completion | PHYSICIAN DECISION | |
| 4901 | C25742 | C66727 | | Completion/Reason for Non-Completion | PREGNANCY | |
| 4902 | C35571 | C66727 | | Completion/Reason for Non-Completion | PROGRESSIVE DISEASE | Disease Progression; Progressive Disease |
| 4903 | C50996 | C66727 | | Completion/Reason for Non-Completion | PROTOCOL DEVIATION | |
| 4904 | C142185 | C66727 | | Completion/Reason for Non-Completion | PROTOCOL VIOLATION | |
| 4905 | C142349 | C66727 | | Completion/Reason for Non-Completion | PROTOCOL-SPECIFIED WITHDRAWAL CRITERION MET | |
| 4906 | C139237 | C66727 | | Completion/Reason for Non-Completion | RANDOMIZED BY MISTAKE | |
| 4907 | C139238 | C66727 | | Completion/Reason for Non-Completion | RANDOMIZED BY MISTAKE WITH STUDY TREATMENT | |
| 4908 | C139239 | C66727 | | Completion/Reason for Non-Completion | RANDOMIZED BY MISTAKE WITHOUT STUDY | |
| 4909 | C25746 | C66727 | | Completion/Reason for Non-Completion | RECOVERY | |
| 4910 | C49628 | C66727 | | Completion/Reason for Non-Completion | SCREEN FAILURE | |
| 4911 | C106576 | C66727 | | Completion/Reason for Non-Completion | SITE TERMINATED BY SPONSOR | |
| 4912 | C49632 | C66727 | | Completion/Reason for Non-Completion | STUDY TERMINATED BY SPONSOR | |
| 4913 | C49633 | C66727 | | Completion/Reason for Non-Completion | TECHNICAL PROBLEMS | |
| 4914 | C102355 | C66727 | | Completion/Reason for Non-Completion | WITHDRAWAL BY PARENT/GUARDIAN | |
| 4915 | C49634 | C66727 | | Completion/Reason for Non-Completion | WITHDRAWAL BY SUBJECT | |
| 8592 | | | | | | |
| 8593 | | | | | | |

Hence, they were sent to NCI to be added to the codelist through the link to the 'request form' below (and the most current one shows them added to the codelist): <https://ncitermform.nci.nih.gov/ncitermform/?version=cdisc>

| Code | Codelist Code | Codelist Extensible (Yes/No) | Codelist Name | CDISC Submission Value | CDISC Synonym(s) |
|--------|---------------|------------------------------|----------------------------|---|----------------------------------|
| C66727 | | Yes | Completion/Reason for Non- | NCOMPLT | Completion/Reason for Non- |
| C41331 | C66727 | | Completion/Reason for Non- | ADVERSE EVENT | |
| C25250 | C66727 | | Completion/Reason for Non- | COMPLETED | |
| C28554 | C66727 | | Completion/Reason for Non- | DEATH | Died |
| C38155 | C66727 | | Completion/Reason for Non- | DISEASE RELAPSE | Recurrent Disease |
| C13923 | C66727 | | Completion/Reason for Non- | FAILURE TO MEET CONTINUATION CRITERIA | |
| C10544 | C66727 | | Completion/Reason for Non- | FAILURE TO MEET RANDOMIZATION CRITERIA | |
| C48226 | C66727 | | Completion/Reason for Non- | LACK OF EFFICACY | |
| C48227 | C66727 | | Completion/Reason for Non- | LOST TO FOLLOW-UP | |
| C15088 | C66727 | | Completion/Reason for Non- | MET ELIGIBILITY CRITERIA BUT NOT NEEDED | Passed Screening But Not Needed; |
| C15655 | C66727 | | Completion/Reason for Non- | NO LONGER CLINICALLY BENEFITING | NLCB |
| C13924 | C66727 | | Completion/Reason for Non- | NON-COMPLIANCE WITH NON-STUDY DEVICE | |
| C13924 | C66727 | | Completion/Reason for Non- | NON-COMPLIANCE WITH STUDY DEVICE | |
| C49631 | C66727 | | Completion/Reason for Non- | NON-COMPLIANCE WITH STUDY DRUG | |
| C16141 | C66727 | | Completion/Reason for Non- | NON-COMPLIANCE WITH STUDY SCHEDULE | |
| C17649 | C66727 | | Completion/Reason for Non- | OTHER | Other |
| C48250 | C66727 | | Completion/Reason for Non- | PHYSICIAN DECISION | |
| C25742 | C66727 | | Completion/Reason for Non- | PREGNANCY | |
| C35571 | C66727 | | Completion/Reason for Non- | PROGRESSIVE DISEASE | Disease Progression; Progressive |
| C50996 | C66727 | | Completion/Reason for Non- | PROTOCOL DEVIATION | |
| C14218 | C66727 | | Completion/Reason for Non- | PROTOCOL VIOLATION | |
| C14234 | C66727 | | Completion/Reason for Non- | PROTOCOL-SPECIFIED WITHDRAWAL | |
| C13923 | C66727 | | Completion/Reason for Non- | RANDOMIZED BY MISTAKE | |
| C13923 | C66727 | | Completion/Reason for Non- | RANDOMIZED BY MISTAKE WITH STUDY | |
| C13923 | C66727 | | Completion/Reason for Non- | RANDOMIZED BY MISTAKE WITHOUT STUDY | |
| C25746 | C66727 | | Completion/Reason for Non- | RECOVERY | |
| C49628 | C66727 | | Completion/Reason for Non- | SCREEN FAILURE | |
| C16607 | C66727 | | Completion/Reason for Non- | SCREENING NOT COMPLETED | |
| C10657 | C66727 | | Completion/Reason for Non- | SITE TERMINATED BY SPONSOR | |
| C16141 | C66727 | | Completion/Reason for Non- | SPONSOR REQUEST | |
| C49632 | C66727 | | Completion/Reason for Non- | STUDY TERMINATED BY SPONSOR | |
| C49633 | C66727 | | Completion/Reason for Non- | TECHNICAL PROBLEMS | |
| C10235 | C66727 | | Completion/Reason for Non- | WITHDRAWAL BY PARENT/GUARDIAN | |
| C49634 | C66727 | | Completion/Reason for Non- | WITHDRAWAL BY SUBJECT | |

EXAMPLE 3: EPOCH FOR MULTIPLE DISPOSITION EVENTS:

In Example 1 we saw how 'Screen Failure' was a 'Disposition Event' collected at 'Screening', while example 2 demonstrated the different disposition events that may have occurred at 'Treatment' or 'Follow-up'. Some events like "Screen Failure" would only expect to occur at 'Screening'. So, the SDTM IG illustrates how we can assign EPOCH to help differentiate the timing of these events. When there are multiple disposition events and protocol milestones per subject, EPOCH is populated to show the difference in study periods for the occurrence of these events. It is especially recommended to be used when DSCAT has a value of 'DISPOSITION EVENT'. The below table will show you how subject 0003 has progressed through the different study phases and where he/she dropped out or terminated from the study:

| USUBJID | DSCAT | DSSCAT | DSTERM | DSDECOD | DSSTDTC | EPOCH |
|---------|--------------------|----------------------|---|--------------------------|------------|-----------|
| 0001 | DISPOSITION EVENT | ELIGIBILITY CRITERIA | SCREEN FAILURE | SCREEN FAILURE | 2019-09-18 | SCREENING |
| 0002 | DISPOSITION EVENT | END OF TREATMENT | USE OF NON-PERMITTED CONCURRENT THERAPY | PROTOCOL DEVIATION | 2019-10-01 | TREATMENT |
| 0003 | PROTOCOL MILESTONE | ELIGIBILITY CRITERIA | SUBJECT MET ELIGIBILITY CRITERIA | ELIGIBILITY CRITERIA MET | 2019-09-19 | |
| 0003 | DISPOSITION EVENT | END OF TREATMENT | COMPLETED | COMPLETED | 2019-10-02 | TREATMENT |
| 0003 | DISPOSITION EVENT | END OF STUDY | MOVED OUT OF STATE | LOST TO FOLLOW-UP | 2019-11-06 | FOLLOW-UP |

EXAMPLE 4: OTHER EVENT

OTHER EVENT is a newer value for DSCAT: Includes DSTERMs that are not previously defined in the protocol, but may not fall under 'Disposition Event' category, for example: "TREATMENT UNBLINDED". This Codelist is also extensible.

END OF STUDY/EARLY TERMINATION **DSCAT=DISPOSITION EVENT**

| | |
|---|--|
| Subject status | DSSCAT Early termination post study treatment <input type="radio"/> |
| | DSTERM Study completed <input type="radio"/> |
| | DSSCAT Early termination prior to study treatment <input type="radio"/> |
| [If Early termination post study treatment is selected then the following field is dynamically triggered] | |
| Did subject withdraw prior to completing 48-hour assessments (Day 3) for any reason other than treatment-related AEs? [Dynamically triggered field] | SUBWDP48 in SUPPDS Yes <input type="radio"/> No <input type="radio"/> |
| Was study treatment unblinded by the site? | DSTERM Yes <input type="radio"/> [NOT SUBMITTED] No <input type="radio"/> |

This is an unusual situation but it does happen and is not a 'Disposition Event'. Suppose that due to uncertainty about the dispensed drug for subject 0001, he and the principal investigator were unblinded. This unique situation has its own DSCAT value (Event Other). The values for this event are maintained within the NCI 'Other Disposition Event Response extensible Codelist:

| Code | Codelist Code | Codelist Extensible (Yes/No) | Codelist Name | CDISC Submission Value | CDISC Synonym(s) | CDISC Definition |
|---------|---------------|------------------------------|----------------------------------|------------------------|----------------------------------|--|
| C150811 | | Yes | Other Disposition Event Response | OTHEVENT | Other Disposition Event Response | A terminology codelist relevant to other important events that occur during a trial but are not driven by protocol requirements. |
| C142742 | C150811 | | Other Disposition Event Response | TREATMENT UNBLINDED | | A study event during which the treatment assignment is made known to the subject, investigator, and/or other trial personnel. |

Within the DS domain, this is how the unblinding would be represented:

| USUBJID | DSCAT | DSTERM | DSDECOD | DSSTDTC | EPOCH |
|---------|--------------------|----------------------------------|--------------------------|------------|-----------|
| 0003 | PROTOCOL MILESTONE | SUBJECT MET ELIGIBILITY CRITERIA | ELIGIBILITY CRITERIA MET | 2019-09-19 | |
| 0003 | OTHER EVENT | TREATMENT UNBLINDED | TREATMENT UNBLINDED | 2019-11-19 | TREATMENT |

EXAMPLE 5: SUPPLEMENTAL QUALIFIER FOR DS:

Sometimes the CRF collects fields or variables that are not part of the standard DS structure or domain model. For example, below is a CRF that collects the 'Randomization Number' that is attached to the lead questions "Was the subject randomized?". In this example, we would map the date and time of randomization to DSSTDTC for this 'Protocol Milestone' but would have to use SUPPDS for 'Randomization Number'.

29MAR2019 MH UAT: Uniques

Form: Randomization

Generated On: 29 Mar 2019 16:35:58

DS= DISPOSITION

Was the Subject Randomized? DSTERM / DSDECOD = RANDOMIZED Yes ①
 No

Date of Randomization (DD-MMM-YYYY) DSSTDTC ②

Time of Randomization (HH:MM) (24-hour clock) DSSTDTC ③

Randomization Number RANDNO in SUPPDS ④

DS

| USUBJID | DSSEQ | DSCAT | DSTERM | DSDECOD | DSSTDTC | EPOCH |
|---------|-------|--------------------|---------------|---------------|------------|-----------|
| 0001 | 3 | PROTOCOL MILESTONE | RANDOMIZATION | RANDOMIZATION | 2019-11-19 | SCREENING |

SUPPDS

| USUBJID | IDVAR | IDVARVAL | QNAM | QLABEL | QVAL | QORIG |
|---------|-------|----------|---------|----------------------|--------|-------|
| 0001 | DSSEQ | 3 | RANDNUM | Randomization Number | 134549 | CRF |

SUPPDS Example 2: “Reason for re-consent”: In this example, we would map the “Other, Specify” free text field to SUPPDS.QVAL and relate it to the DSTERM “Informed Consent Obtained” by DSSEQ. Note how DSSCAT is being used to indicate that this is “Re-consent” which is different from the original Consent.

06NOV2019 JK PROD: Unique pages

DS=Disposition

Generated On: 21 Nov 2019 06:48:19

Did the subject re-consent?

DSSCAT= RECONSENT

**DSDECOD/DSTERM = INFORMED
CONSENT OBTAINED**

Yes

No

Date Informed Consent

DSSTDTC

If Other, specify

RECOTHER in SUPPDS

DS

| USUBJID | DSSEQ | DSCAT | DSSCAT | DSTERM | DSDECOD | DSSTDTC | EPOCH |
|---------|-------|--------------------|-----------|---------------------------|---------------------------|------------|-----------|
| 0002 | 2 | PROTOCOL MILESTONE | RECONSENT | INFORMED CONSENT OBTAINED | INFORMED CONSENT OBTAINED | 2019-11-19 | SCREENING |

SUPPDS

| USUBJID | IDVAR | IDVARVAL | QNAM | QLABEL | QVAL | QORIG |
|---------|-------|----------|----------|---------------------------|---|-------|
| 0002 | DSSEQ | 2 | RECOTHER | Re-consent Other, Specify | PROTOCOL WAS AMENDED WITH ADDITIONAL CRITERIA | CRF |

CONCLUSION:

- To summarize, this paper should give you a good idea of how to map the appropriate CRF values to DSTERM / DSDECOD and associate the right DSCAT values to them.
- Not every value on the CRF may be a perfect fit for the terms defined in the CDISC Codelist – so don’t be afraid of requesting the NCI to ‘extend’ the Codelist, if it needs to be done.
- However be cautious to not add to a Codelist if the existing terms already imply or represent what the CRF is collecting.
- EPOCH can be really useful to help determine the study periods when the different disposition events occurred.
- When there are fields on the CRF that don’t fit within the standard DS structure, they can be mapped to SUPPDS as a non-standard variable / value.

REFERENCES:

- Consolidated Standards of Reporting Trials (CONSORT): <http://www.consort-statement.org/>
- NCI Codelist Extension Request Form: <https://ncitermform.nci.nih.gov/ncitermform/?version=cdisc>
- NCI SDTM CT Codelist (Excel) (We have referenced versions of CT from March 2019 and Dec 2019):
<https://evs.nci.nih.gov/ftp1/CDISC/SDTM/SDTM%20Terminology.xls>
- NCI SDTM CT Codelist (PDF): <https://evs.nci.nih.gov/ftp1/CDISC/SDTM/SDTM%20Terminology.pdf>
- CDISC SDTM IG v3.2:
https://www.cdisc.org/system/files/members/standard/foundational/sdtmig/sdtmig_20v3.2_20noportfolio.pdf

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