Overcoming Challenges in Disposition Data Collection: Enable Flexibility and Design Thinking into data collector design

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Abstract

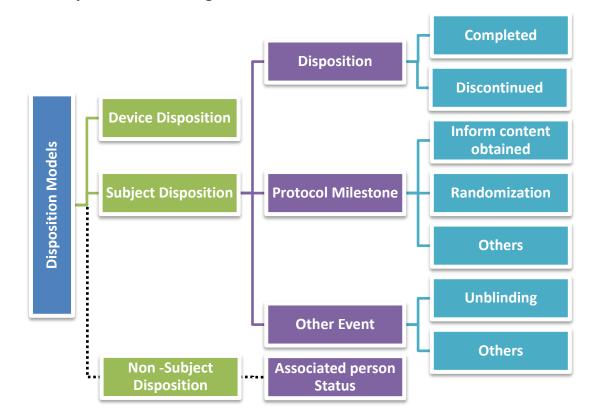
Disposition data collection in clinical trials presents challenges such as the need to meet the variable submission requirements, pandemicrelated disruptions, and adherence to protocol requirements. It is important to explore the flexibility and design thinking in CDASH and SDTM for overcoming challenges in disposition data collection.

The DS domain and related models will be introduced. Several cases will show how to inject flexibility into data collection design. Robust design thinking enables to explore the ways in which CDASH and SDTM can be customized to fit the specific needs of each trial.



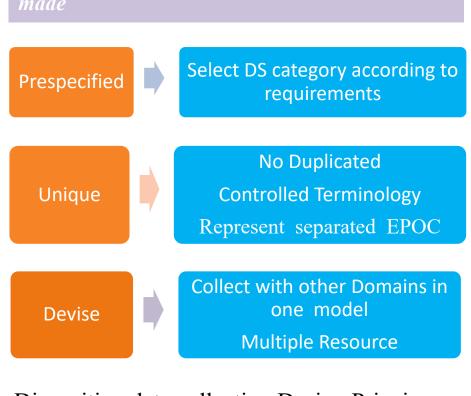
Disposition and Related Date Models

Disposition in a clinical trial refers to the outcome or status of a participant. It includes the reasons for early termination of participation, completion status, and any follow-up visits required. Disposition information is crucial for data analysis and interpretation, as it provides insights into the efficacy and safety of the investigational treatment.

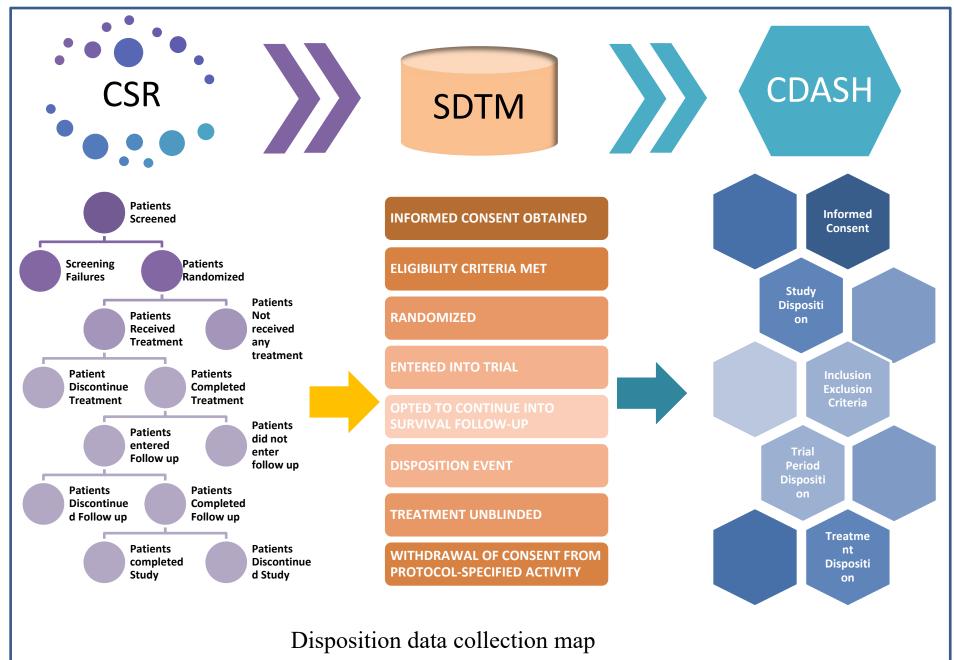


Case Sharing - Disposition Data Collection Map For Oncology Studies

Clinical trials for oncology drug involve complex CSR to SDTM Disposition variables then to CDASH data collection models, a clear



Disposition data collection Design Principe



Case Sharing - Additional disposition collection during the **COVID-19 Public Health Emergency**

WHY-Need collect the COVID-19 related information

HOW-Create New CRF? Update existing CRF? Other source exEDC?

WHEN-Set up different target dates WHAT-Components? Stakeholders? for different trials Possible implementation? Notes?..

1. Create eCRFs that Identify the Collect and contain Disposition Enumerate mpact Criteria Requirement information Only 1 new alternatives alternative eCRF is included in appropriate trials Evaluate and Develop Trial level 2. No other data collection mplement Monitor **Assessment Action Plan** ation impact for other eCRFs regularly 3. No data will be re-entered

Agency: Revised or up version guidance and define a remain effective date

Sponsor: Retire temporary CRF and update existing CRFs appropriate for new trial

Case Sharing - Infant Status Data Collection in HIV Studies

Infant are not Are the infant subjects but subjects? **Associated Person** DS describe the Do the infant

have Disposition

data?

the infants' data

Which Domain

will be used?

progress of a subject, which are not for associated persons

Under Associated person's dataset

APSS will be used, but not APDS

Associated Person

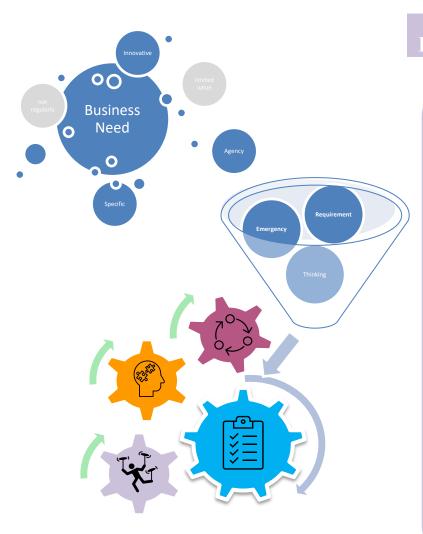
- Associated persons are not subjects in the trial
- The data are about the Associated Person, not the subject
- ☐ The associated person does not have a subject identifier (SUBJID).

Align with Industry Guidance, especially for the new guidance

Domains which describe the progress of a subject through a study are not relevant for associated persons

Flexible design for associated person, using dynamic visit

Summary for Disposition Design Thinking



Requirement Collection

Design Thinking

best

Flexible Execution Change Management

- **Agency or Industry** requests to collect.
- Protocol Specific data which will support analysis or monitoring, such as TAETORD will be used for the muti-dose

vaccine.

- Additional collection **Requirements brought** about by emergencies
- **Standard updates** brought by regular iterations
- **Characteristics of the** disposition data
- Unique Prespecified
- Time-sensitive
- Integrity
- Compliance and Rationality Data Protection
- Clinically Appropriate Analysis Needs
- Relevant deliverables Data Validation Tool
- Data Entry Guidance
- **Align with Industry**

DS domain

- **Guidance/Regulations** Include required variables in
- **Keep discontinuation reason** unique and standard which may clarify the appropriate
- population Provide a clear accounting of all patients who entered the study
- **Provide additional element** to support analysis which
- may identify a specific period within a trial
- **Create reliable deliverables**
- Flexibility for uncertain or complex situations

- Regular Evaluation
- Collection

• Change Requirement

- Discussion for impact across different functional teams
- Select preferable change
- Change confirmation and document appropriately

