

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



Lily Lv

Associate Director, GDMS, MRL China
cong.lv@merck.com



Yu Qing Song

Associate Director, GDMS, MRL China
yu.qing.song@merck.com

Abstract

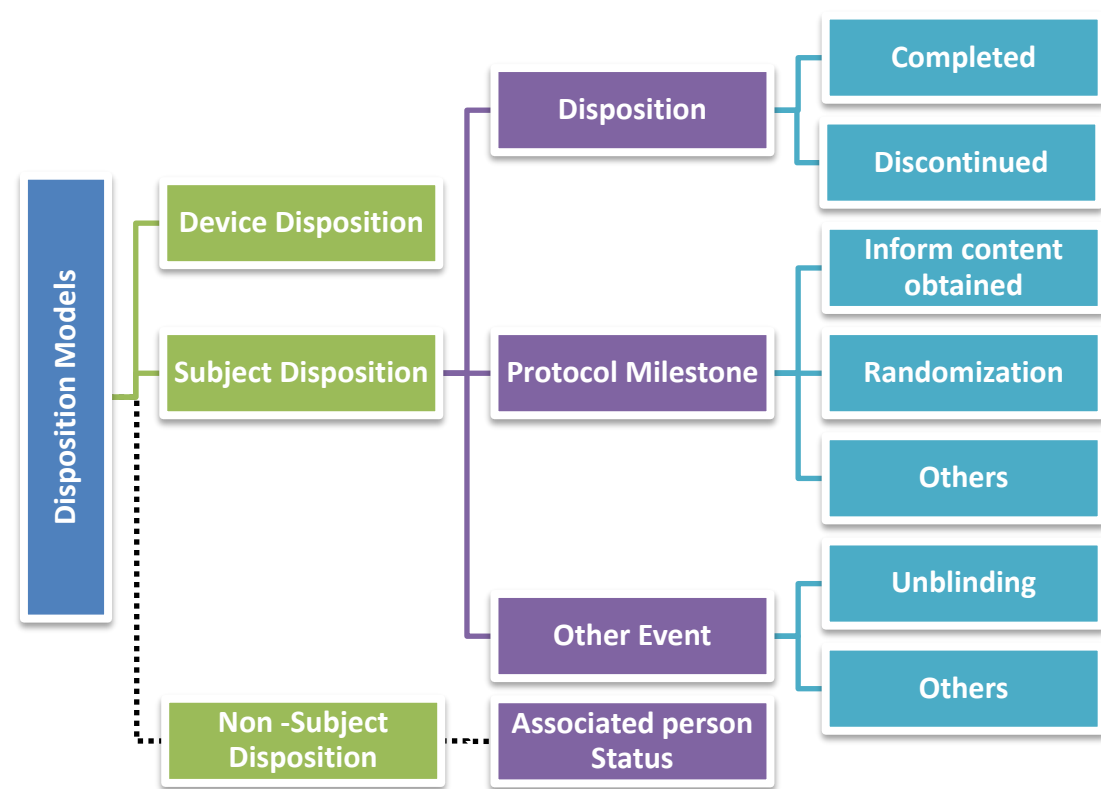
Disposition data collection in clinical trials presents challenges such as the need to meet the variable submission requirements, pandemic-related disruptions, and adherence to protocol requirements. It is important to explore the flexibility and design thinking in CDASH and SDTM for overcoming challenges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



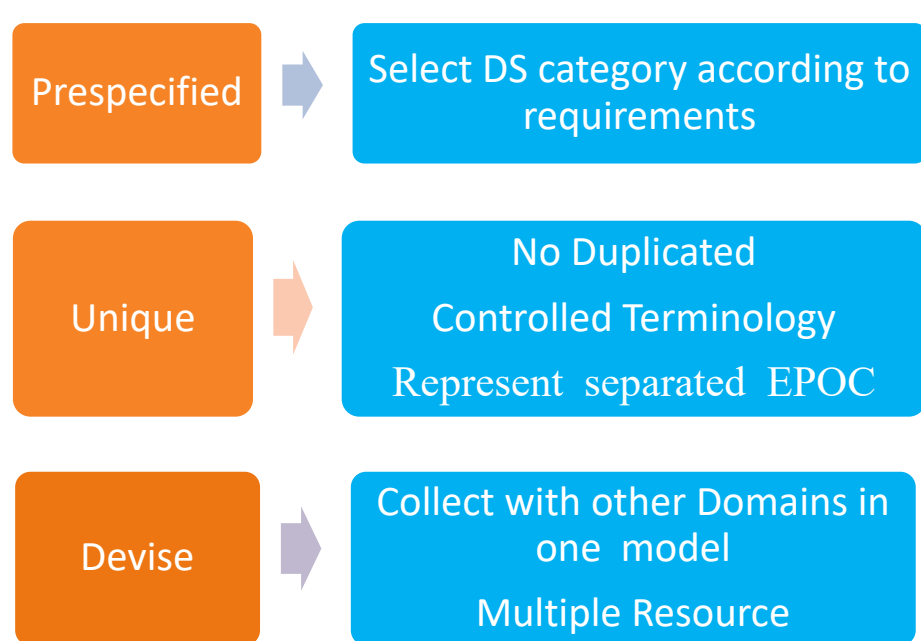
Disposition and Related Date Models

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.

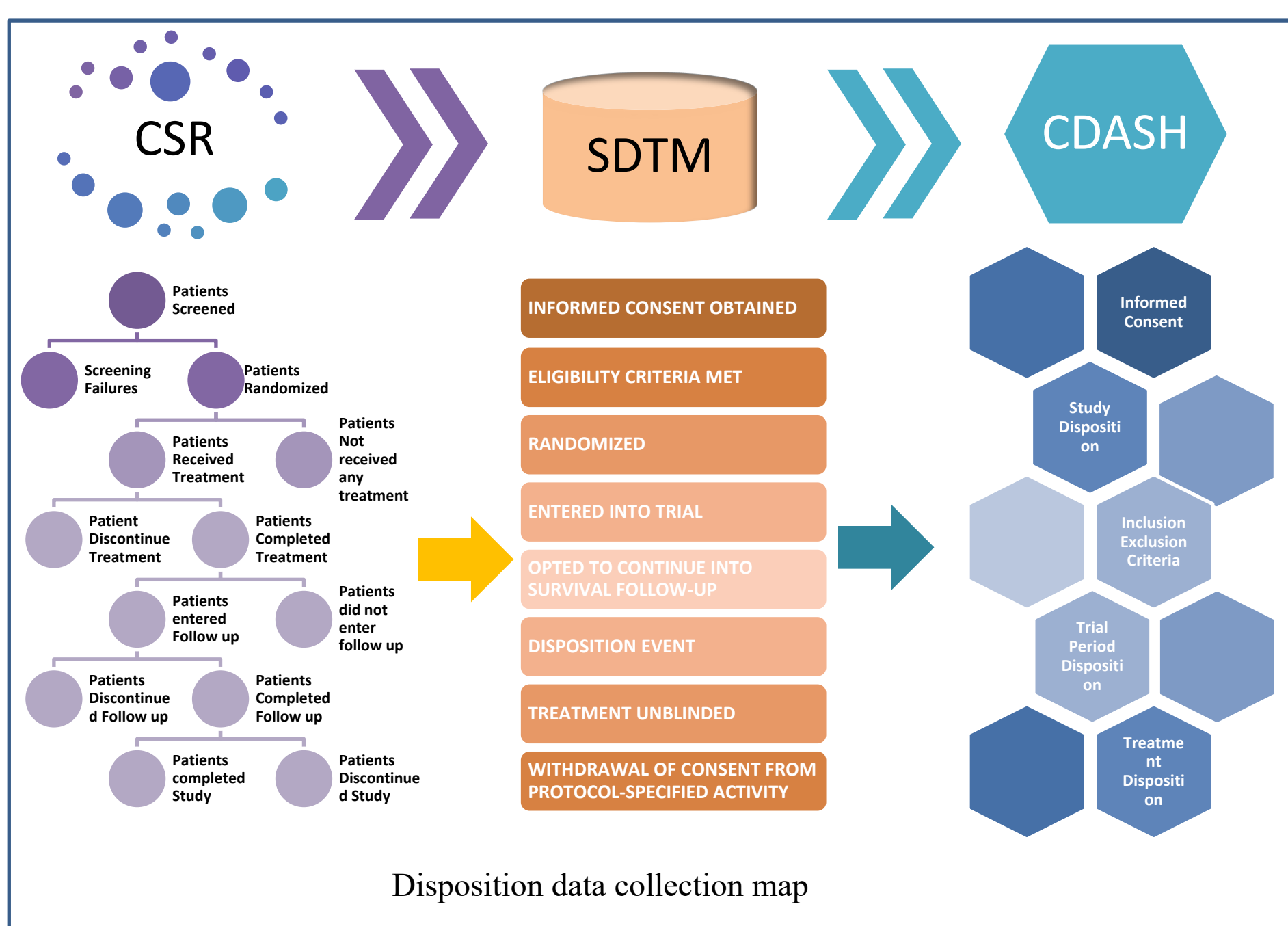


Case Sharing - Disposition Data Collection Map For Oncology Studies

Clinical trials for oncology drug involve complex design and gather comprehensive disposition data from trial participants which is crucial for accurate analysis and decision-making. We summarized the disposition data collection map using design thinking, from data collected in CSR to SDTM Disposition variables then to CDASH data collection models, a clear identification of Disposition data and endpoint is made



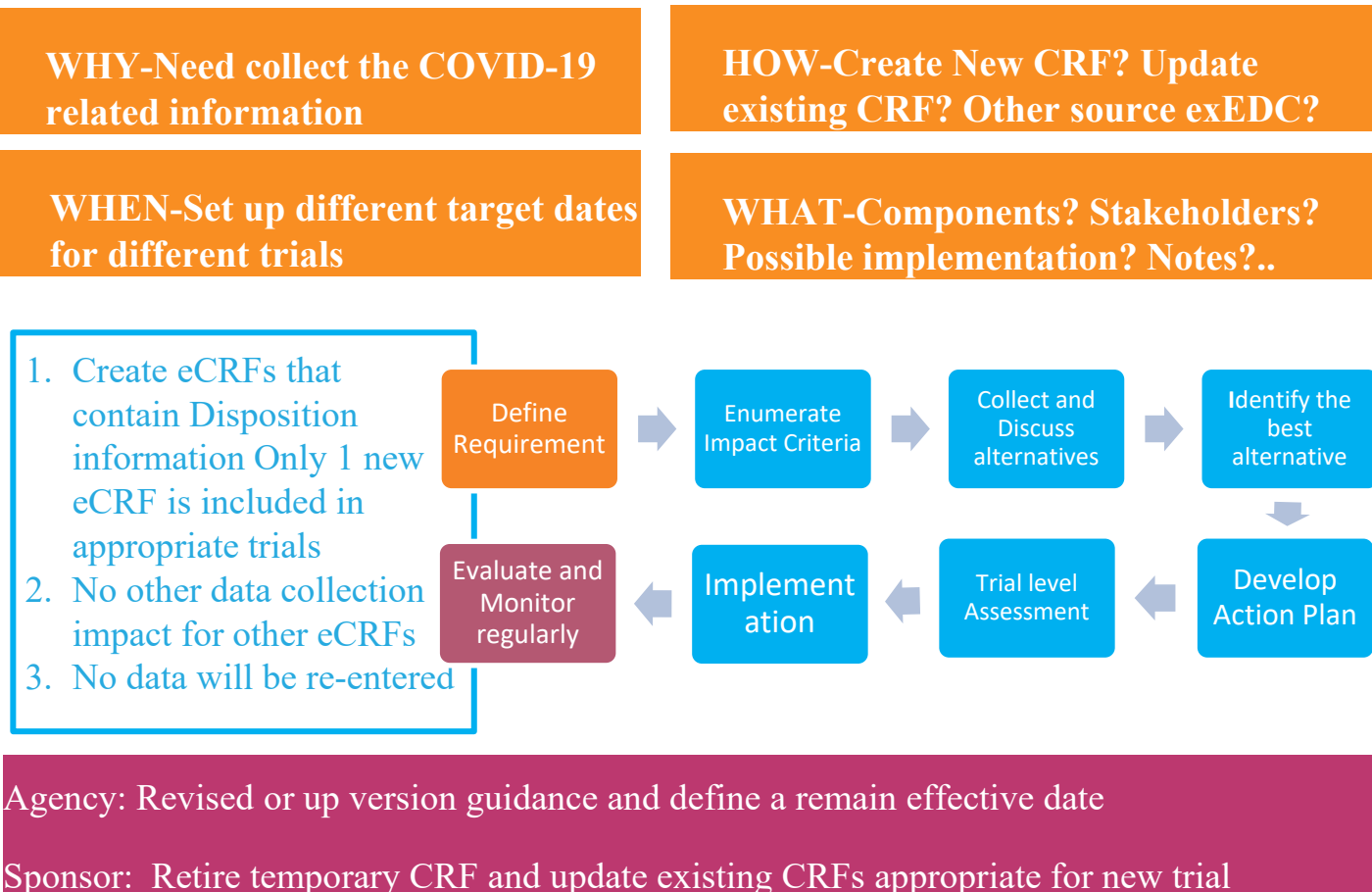
Disposition data collection Design Principle



Disposition data collection map

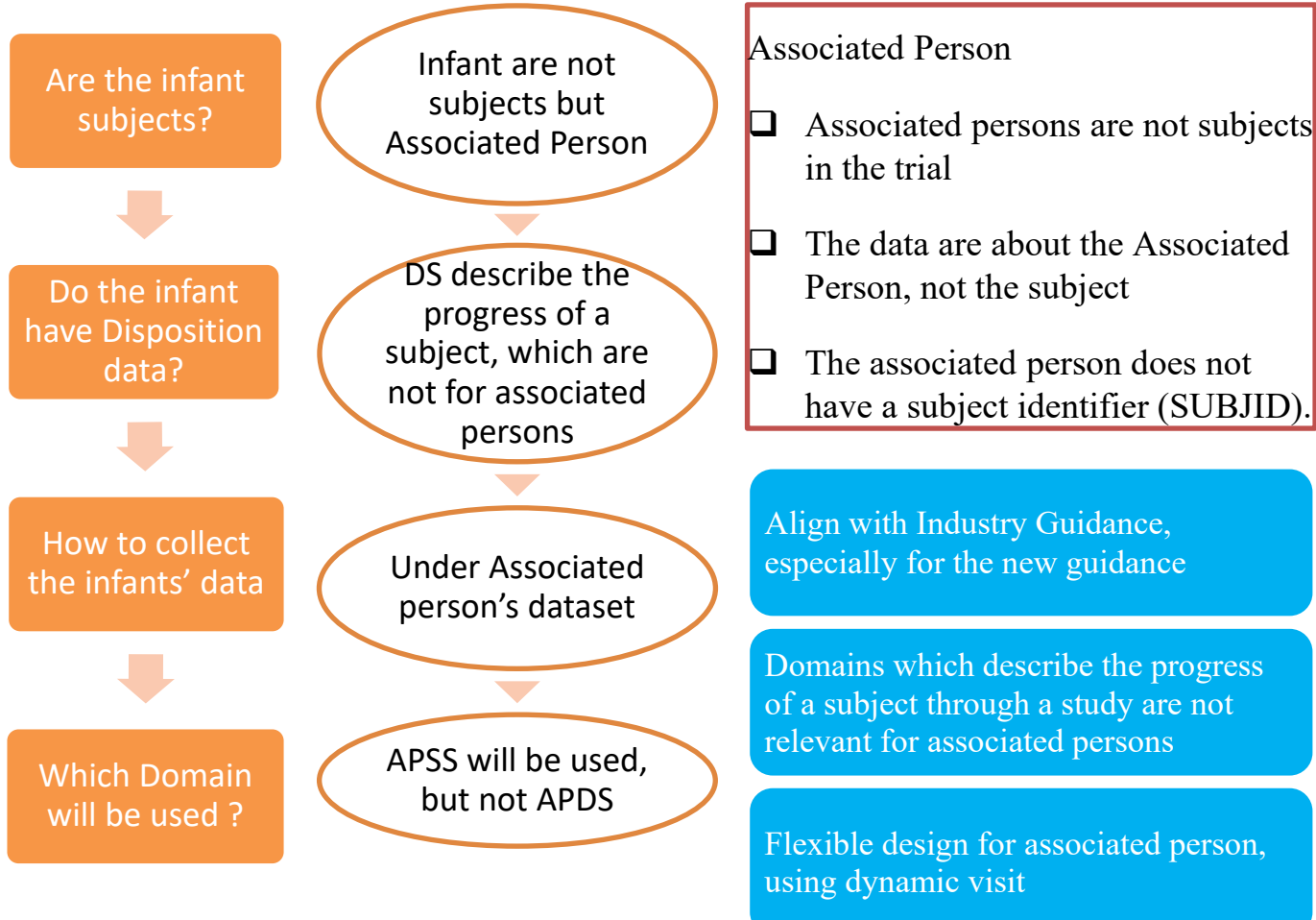
Case Sharing - Additional disposition collection during the COVID-19 Public Health Emergency

Since the start of the COVID-19 pandemic in 2020, FDA has issued more than 80 COVID-19-related guidance. For all trials that are impacted by the COVID-19 public health emergency, a listing of all participants affected by the COVID-19 related study disruption by unique trial participant number identifier and by investigational site, and a description of how the individual's participation was altered.



Case Sharing - Infant Status Data Collection in HIV Studies

In HIV Studies, when a subject becomes pregnant, she is permitted to continue treatment during the whole pregnancy phase. Infant safety data collection provides the ability to monitor growth of the infant as well as potential adverse effects that may be associated with prenatal drug exposure. In the infant follow up visits, if the infant complete the follow up visit, and the reason for uncompletion needs to be collected



Summary for Disposition Design Thinking

