

a

Study Identification
clinicaltrials.gov

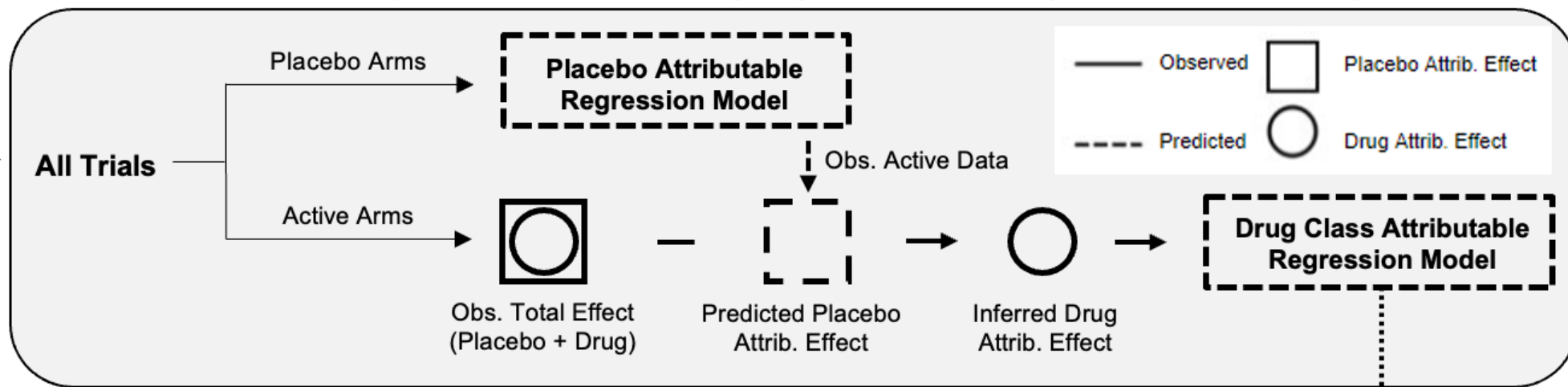
Data Aggregation

Quality Control
Data Harmonization
15 RCTs



b

Sequential Regression and Simulation (SRS) Model Structure (Rudrapatna et al., 2022)



Anti-Integrin, Anti-Interleukin-12/23, Anti-TNF Drug Class Models

c

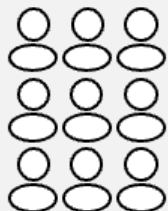
Heterogeneous Sample Population

Recommended Drug Class

Patient Subgroup Analysis

Participant-Level Data:

- Baseline CDAI
- Age
- BMI
- CRP
- Medication hx
- Disease location



Apply drug
class
models



Anti-TNF



Anti-Interleukin-12/23



**Anti-Interleukin-12/23
OR Anti-Integrin**



No Preference

d

OMOP Formatted Clinical Data

Patient Baseline Covariates



Data extraction,
normalization



Treatment Recommendation Dashboard



Apply drug
class
models