

BBSW Sept meetup on RWD: RWD to inform R&D

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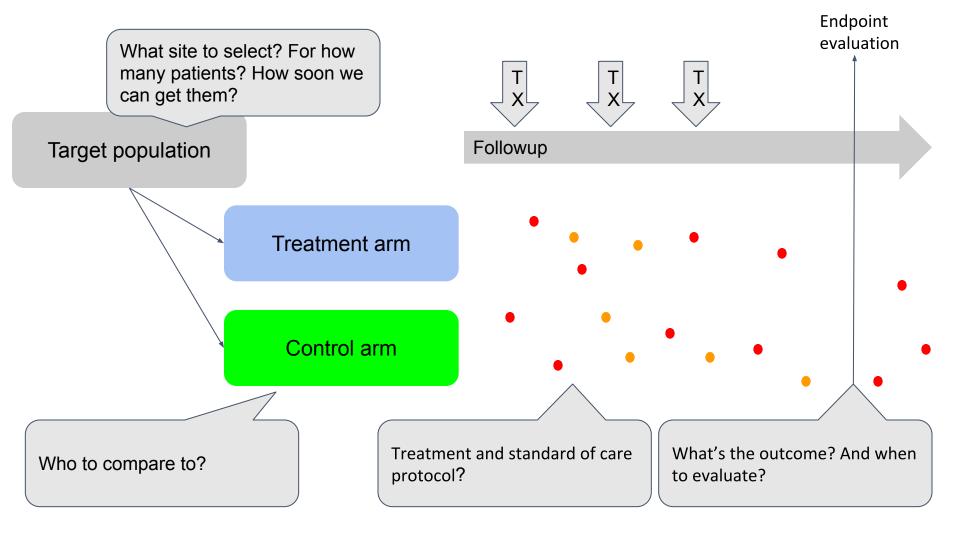




Real world data: who takes what at when and why (look at those differences)

Effectiveness- Does treatment work? Or

Who would most benefit from the treatment



Common sources of RWD

Data type	Pros	Cons
Registries (e.g. rare disease registries)	Fit for purpose	Limited sample size and coverage
Medical claims (e.g. MarketScan, Pharmetrics)	Great coverage, enrollment information	No lab results and clinical outcomes Usually significant time lag
Electronic Medical Records (e.g. Optum, Flatiron)	Labs, vitals, treatment ,clinical outcomes	Limited coverage, no enrollment info

Using RWD to accelerate Product development

Requiring stricter Becoming more flexible and adaptive Regulators **Payers** evidence of incremental benefit Inform trial design, Unmet medical supplement info Reimbursement, External control need, monitoring for accelerated label expansion, current treatment approval post marketing Phase Design Phase III Phase IV phase |- ||

Go decision: KRAS, EGFR Priority product: Rarity waiver: Faricimab,

Gazyva

Contextualized single are results: Rozlytrek, Evrysdi, Alcensa

Toxicity study waiver: Xoluza for prophylaxis population/outcomes: gazyva

EMA PASS waiver: Xeloda Label expansion: Avastin **NSCLC** in China

Knowing the heterogeneity

- Regional differences on patient characteristics and standard of care
- Identify underserved population- inclusive research
- Right treatment for the right patient

Personalized healthcare?

