WITH STANDARDS - UNLOCK THE POWER OF DATA



Processing real-world data for regulatory decisions: minimizing data loss, maximizing information

Presented by Tasha Nagamine | Droice Labs



Meet the Speaker

Tasha Nagamine, MS

Title: Cofounder & CTO Organization: Droice Labs

Tasha is an entrepreneur and seasoned technologist with 10+ years of experience in AI, research, and tech strategy. She brings deep expertise in RWD to build datadriven products that have processed over 100 million patient lives. Tasha received her BS in physics from Brown University and left a PhD in deep learning at Columbia University to start Droice.



Disclaimer and Disclosures

- The views and opinions expressed in this presentation are those of the author(s) and do not necessarily reflect the official policy or position of CDISC.
- Tasha Nagamine is an employee of Droice Labs, a company that processes and prepares RWD for clinical and research applications.



Studies used to demonstrate the safety and effectiveness of a drug should reflect the diversity of patients that the drug is intended for¹





Because of the variation across patients, physicians, & sources...

















Because of the variation across patients, physicians, & sources... ...Diabetes will manifest differently in the data for different patients







Data Preparation

















TRADEOFF: SCALE VS. QUALITY





CKD is often under-coded or underreported, depending on practice variation/billing incentives in RWD.

CKD



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CKD





















AN INTELLIGENCE-BASED APPROACH



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AI MIDDLEWARE APPROACH

Required for general purpose RWD (i.e., data with large N & high noise) to maximize information and minimize data loss.





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cdisc

TRADEOFF: SCALE VS. QUALITY





SOLUTION: MAXIMIZE INFORMATION USING AN AI MIDDLEWARE APPROACH





WHY RWD? WHY NOW?





Thank You!

