From Survey to Ontology, the challenges and opportunities in ontologizing questions and answers

Lauren Chan, Jimmy Phuong, Anne Thessen, Stephanie Hong, Shahim Essaid, Melissa Haendel

Surveys are commonly used, but challenging data sources

- Surveys often use common data elements (CDEs) to create "uniform" questions, but they're often duplicated and not interoperable

- Ontologies can serve as a key for coordinating similar CDEs by topic

- Ontology encoded CDEs can be harmonized with other data types like wet lab findings, field research, and clinical data to ask more interesting questions and increase statistical power

Let's connect the data!