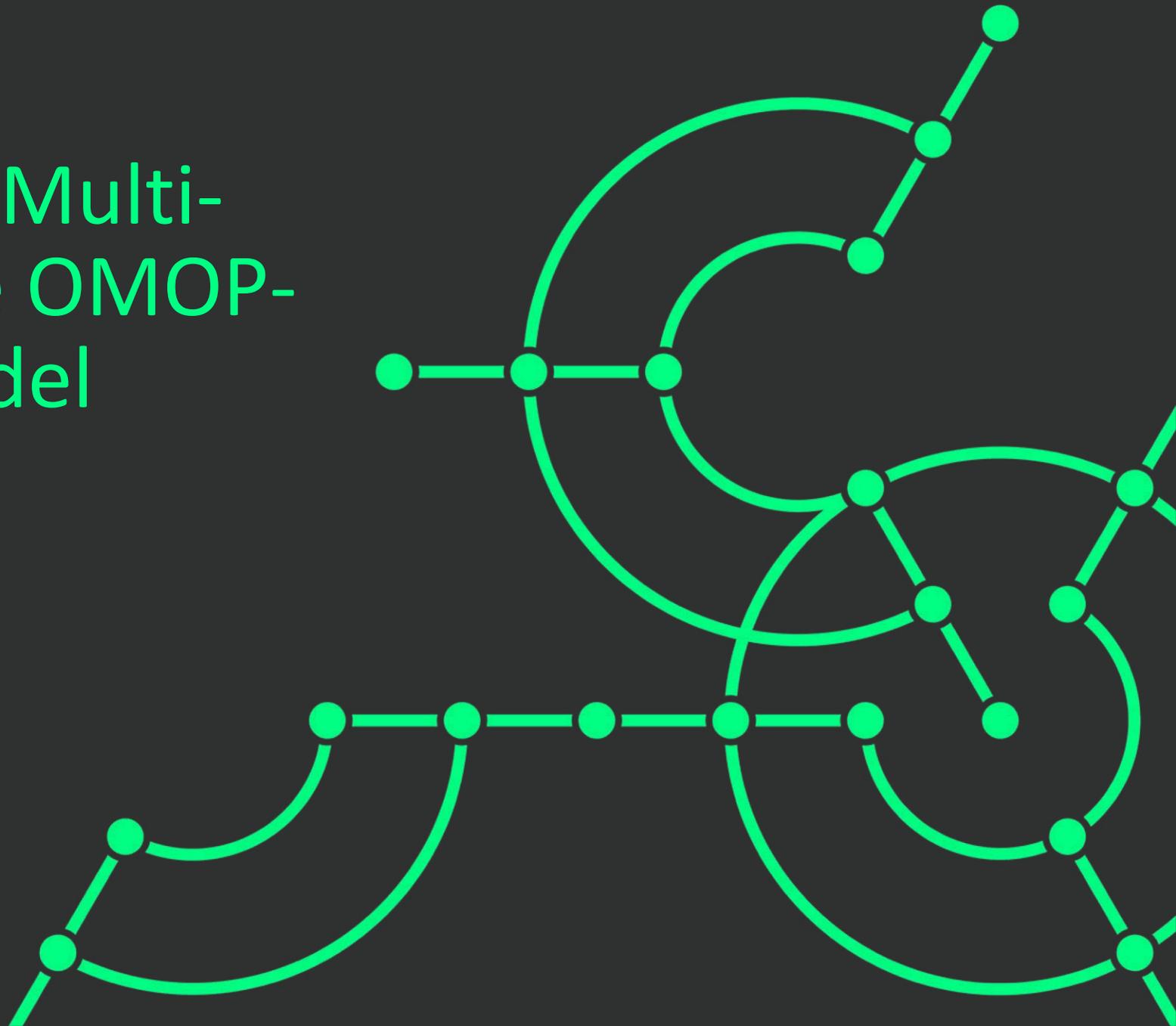
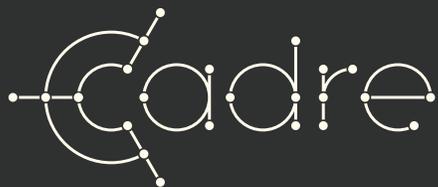


# Standardisation of Multi-Agency Data to the OMOP-Common Data Model

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27<sup>th</sup> September 2024



# CADRE

An informatics platform to host live, data-led system that enables child mental health research in the UK

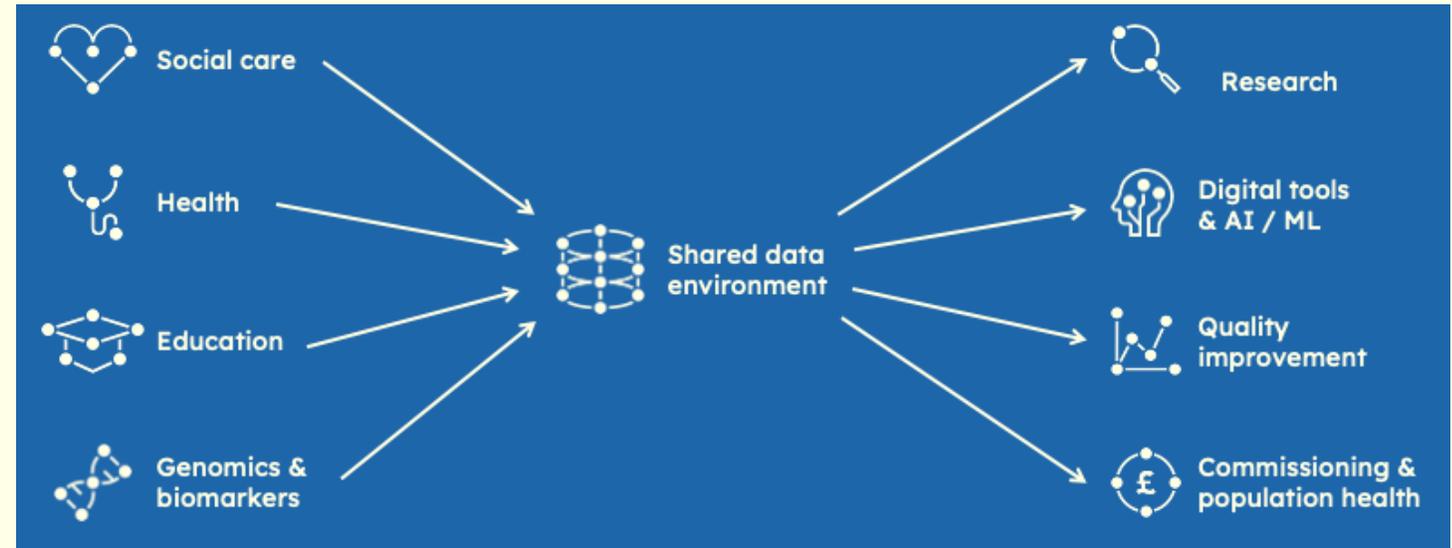
Network of shared data environments (SDEs) including five initial sites (Cardiff, Birmingham, Manchester, Liverpool and Cambridge) and extensible to adoption by other regions

Includes **health, social care, and education data**, and in the future –omics data

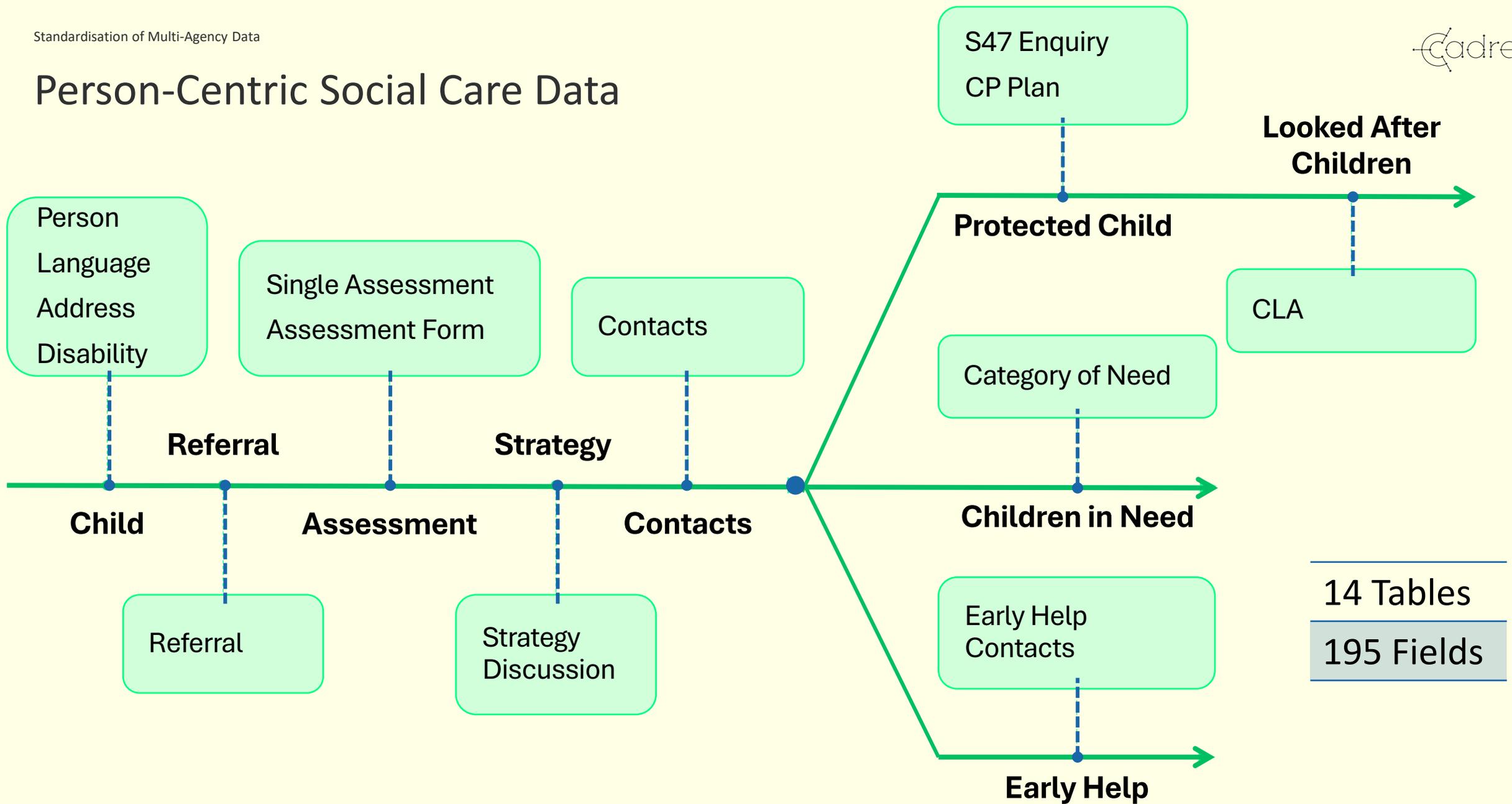
OMOP—CDM was developed for use with health data

## Can non-health data fit into OMOP—CDM?

- What is the structure of social care data?
- What variables are in social care data?
- Can social care variables be mapped to OMOP?



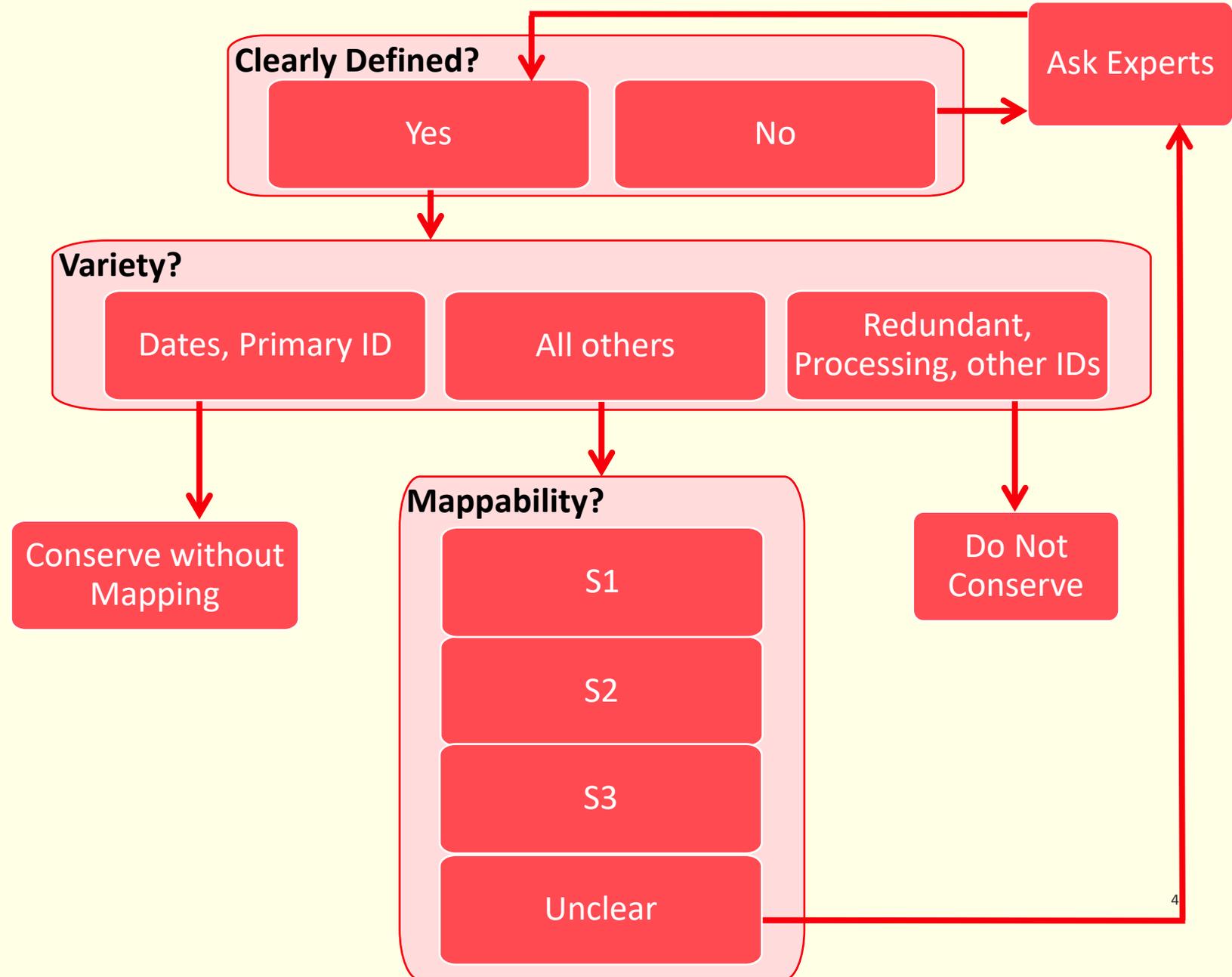
# Person-Centric Social Care Data



# Variable Processing

Choice of common data elements is part of ETL design

- Clear variable definition available
- Variety
  - Redundancy
  - Identifiers
  - Processing
  - Dates
- Mappability
  - S1: directly mappable to OMOP concept
  - S2: closely mappable OMOP concept
  - S3: not represented in OMOP



# Mappability & Prioritisation

195 variables in social care dataset

- **42%** do not need to be conserved
- **16%** will be conserved but do not need to be mapped
- **30%** are mappable
  - 11%: directly mappable to OMOP concept
  - 11%: closely mappable OMOP concept
  - 7%: not represented in OMOP
- **11%** are unclear
  - Some need to be defined
  - Some have tentative mappings

