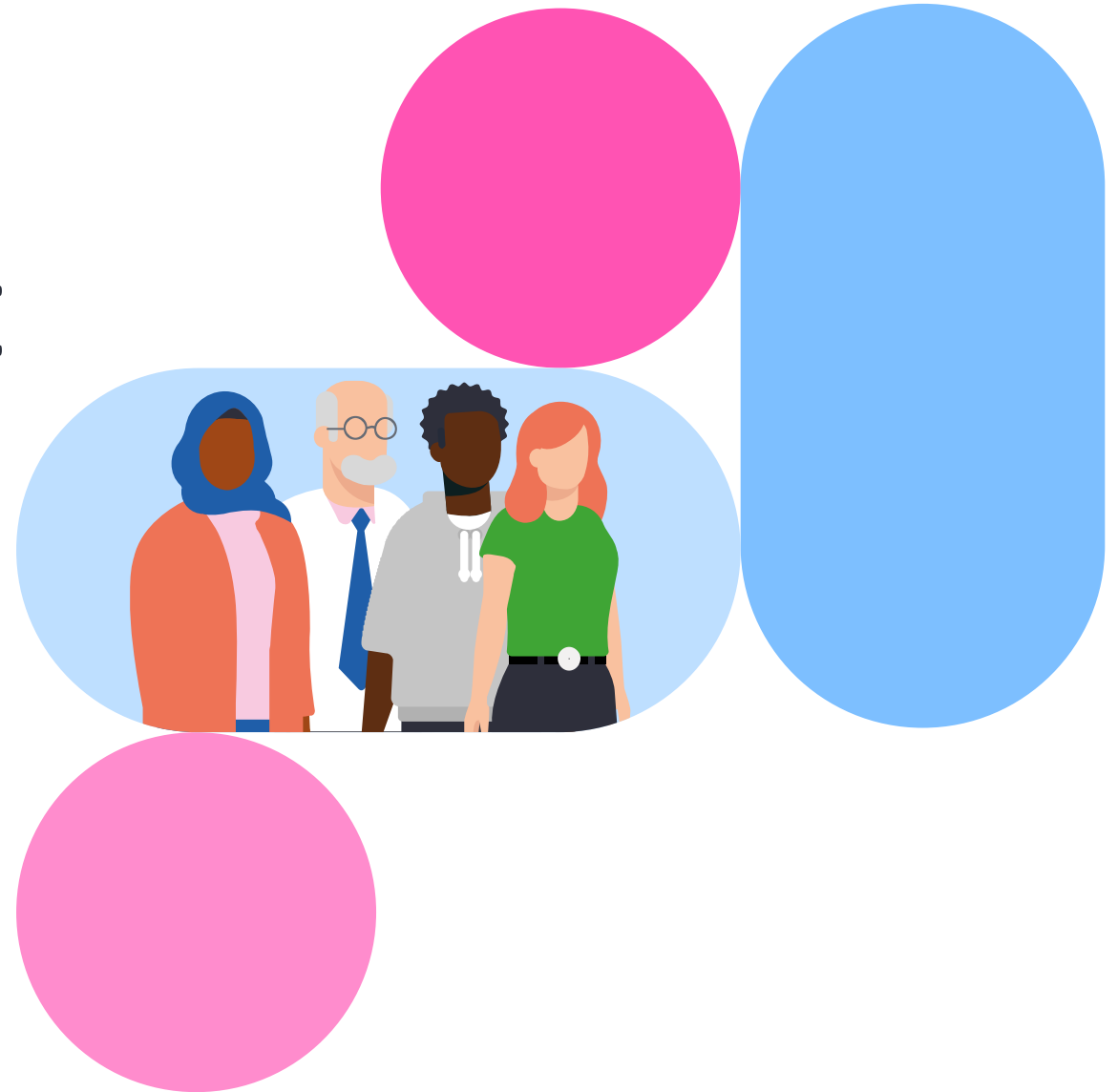


OMOP Pipeline at Genomics England

Abigail Carter

Flash talk

27 September 2024



OMOP at Genomics England

Our purpose

Genomics England is a public-funded body that partners with the NHS to provide whole genome sequencing diagnostics

Our data

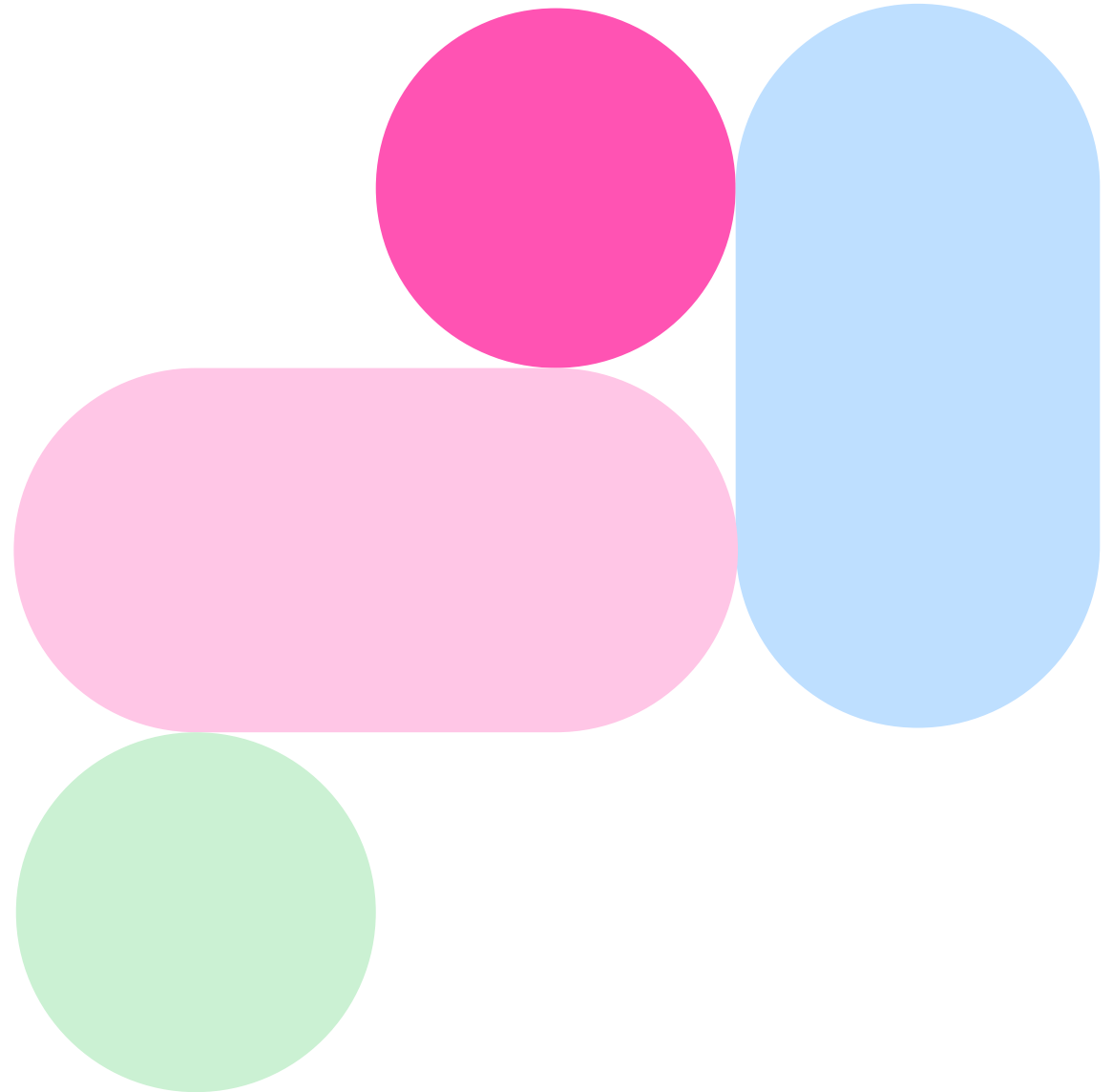
We manage the National Genomic Research Library which holds longitudinal, de-identified clinical data on over 100,000 patients from a variety of source

Our aim

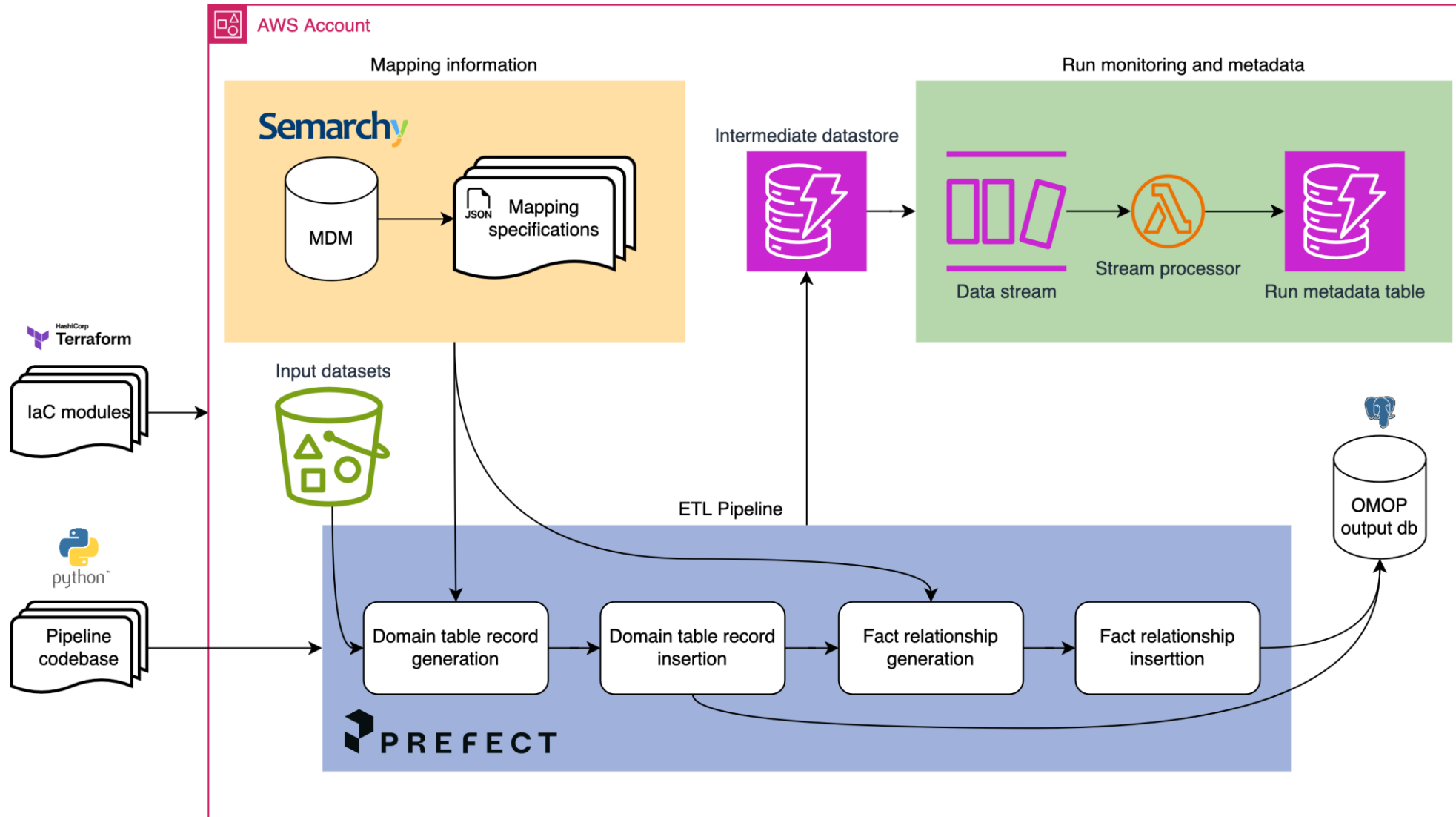
Standardise our own data sources and be able to contribute and collaborate with others through Trusted Research Environments

Pipeline Requirements

- Mapping information independent of data processing
- Cloud-based, secure and scalable
- Easily maintained and updated
- Transparent, browsable mapping information
- Flexible output formats



Pipeline Overview



Learnings



A truly generic pipeline? Variety of data leads to edge cases which require special attention



Fact Relationships – does their value justify the extra work required to implement them?



Call for collaboration on the design of pipelines and standards for sharing mapping information



OMOP Subject Matter Expert and Data Engineer are rarely the same person