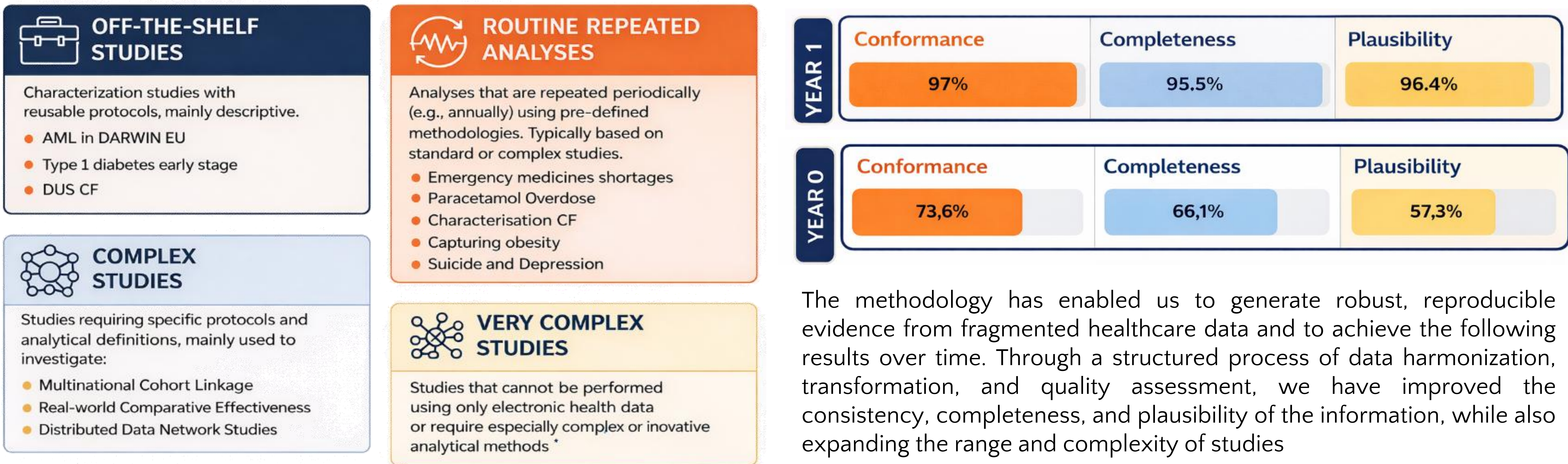


A mature OMOP infrastructure at Hospital 12 de Octubre enables regulatory-grade evidence and participation in European networks

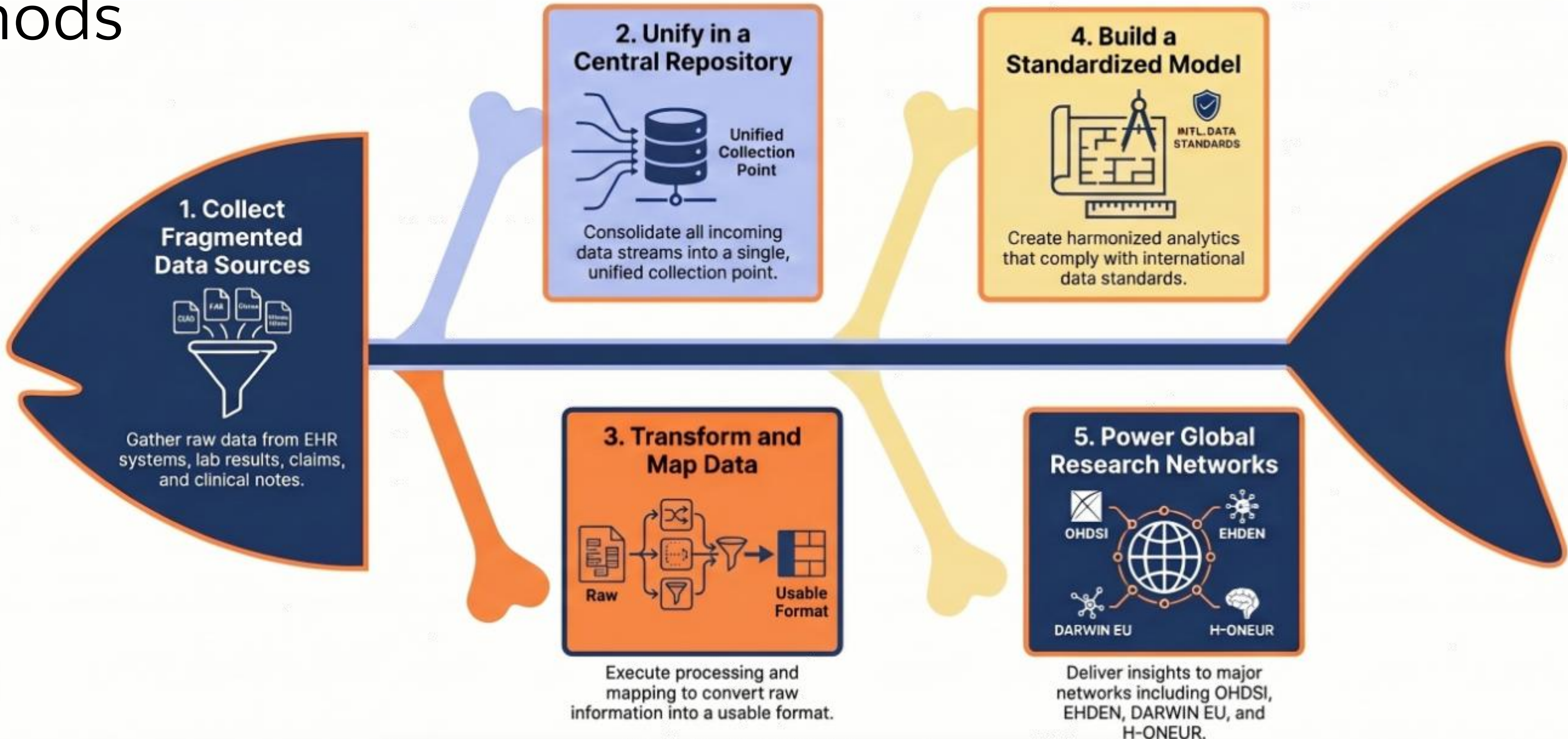
Hospital 12 de Octubre's Experience in Real-World Evidence Generation

Background: Hospital Universitario 12 de Octubre has built a strong strategy for data standardisation and structured clinical information. As a result, this has enabled the development of a high-quality OMOP-CDM data catalogue and more reliable real-world evidence. In turn, its mature data governance and interoperability have supported participation in DARWIN EU and other international initiatives. Therefore, this work describes that strategy, its data catalogue, and the lessons learned for other hospitals.

Result 1: Types of studies in which our team has participated **Result 2:** Improvement in data quality over time



Methods



Limitations: The main limitations identified were gaps in some data domains, particularly in oncology, as well as technical and infrastructural challenges related to ETL optimization and server capacity. These factors initially affected data completeness and analytical readiness, highlighting the need for continuous improvement in data integration and infrastructure.

