Second Annual

EUROPEAN OHDSI SYMPOSIUM

March 29th 2019

Tutorials 30th and 31st

The Journey from Data to Evidence

Erasmus MC Rotterdam The Netherlands

www.ohdsi-europe.org

Welcome to the European OHDSI Journey

Peter R. Rijnbeek, PhD
Associate Professor Health Data Science
Department of Medical Informatics
Erasmus MC, The Netherlands

Thank you for your support!

Erasmus MC
Universitair Medisch Centrum Rotterdam

janssen | PHARMACEUTICAL COMPANIES OF Johnson & Johnson

thehyve

IMS Health & Quintiles are now IQVIA™

aws

ODYSSEUS
DATA SERVICES INC

SYNAPSE
RESEARCH MANAGEMENT PARTNERS

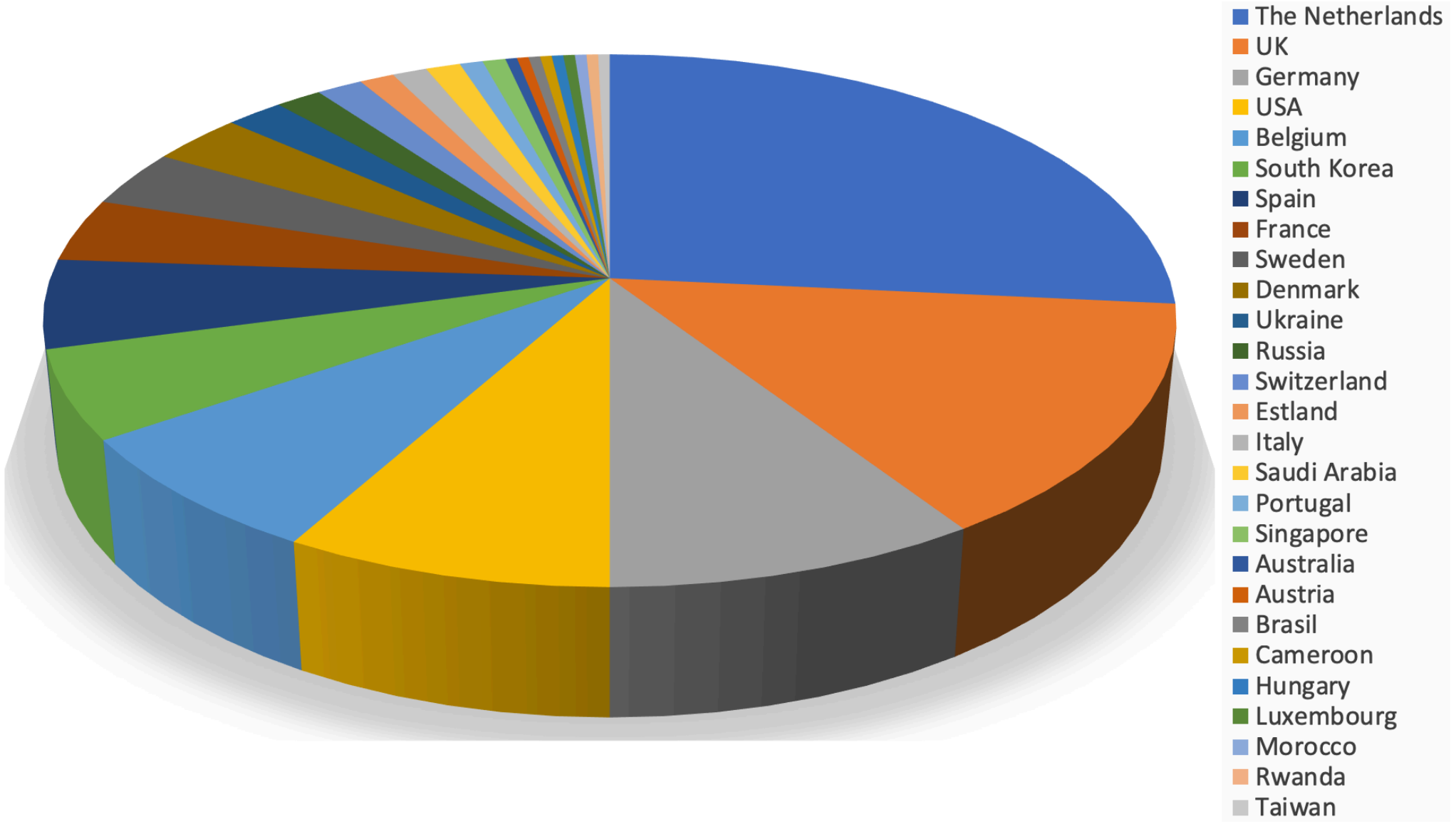
flowsound
AUDIO RENTAL & STAGING SYSTEMS

First Annual OHDSI Symposium, March 23th 2018

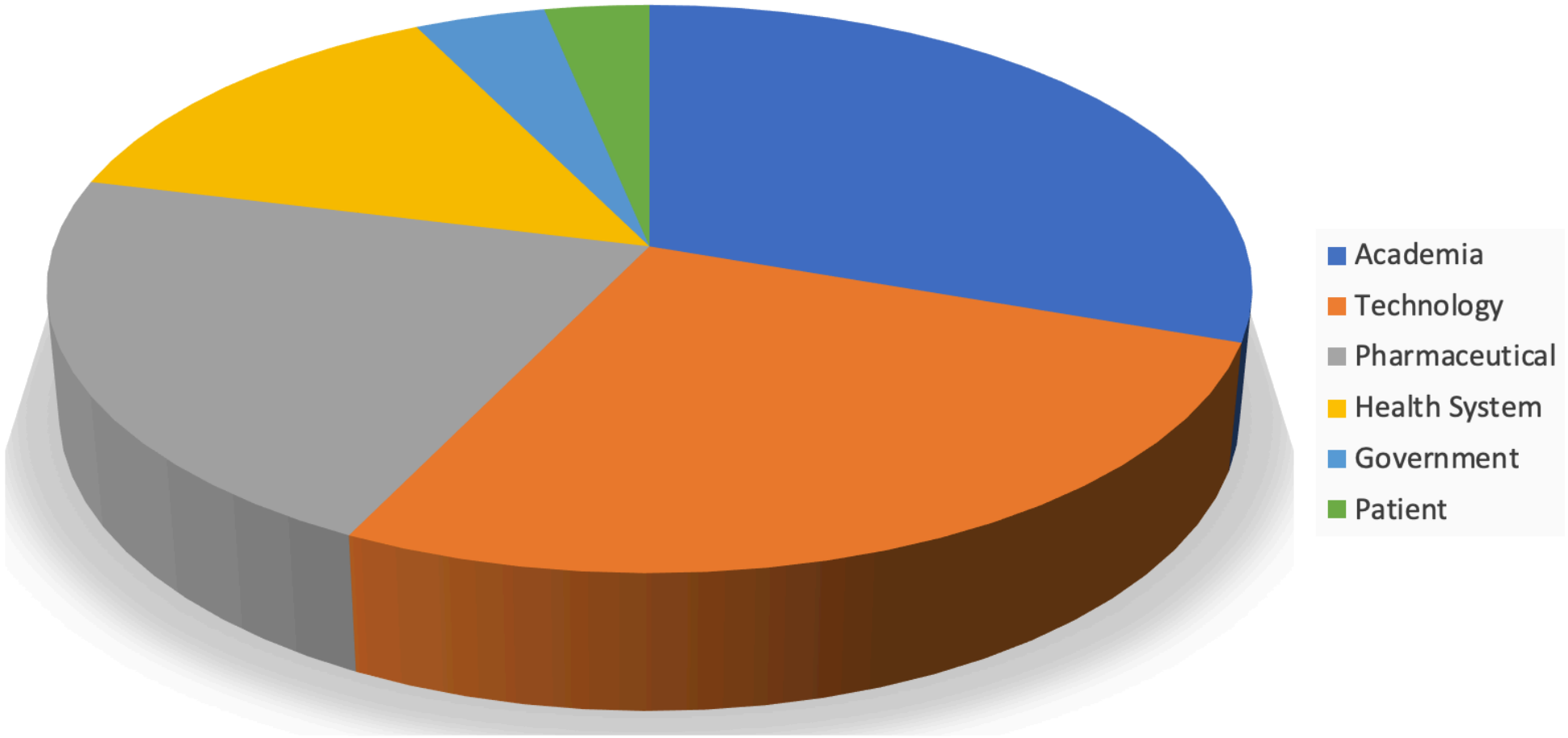
Meeting Goals Second OHDSI Symposium

- Provide a platform to stimulate community building
- Demonstrate the OHDSI approach to Reliable and Reproducible Evidence Generation
- Educate and train the community (5 Tutorials)

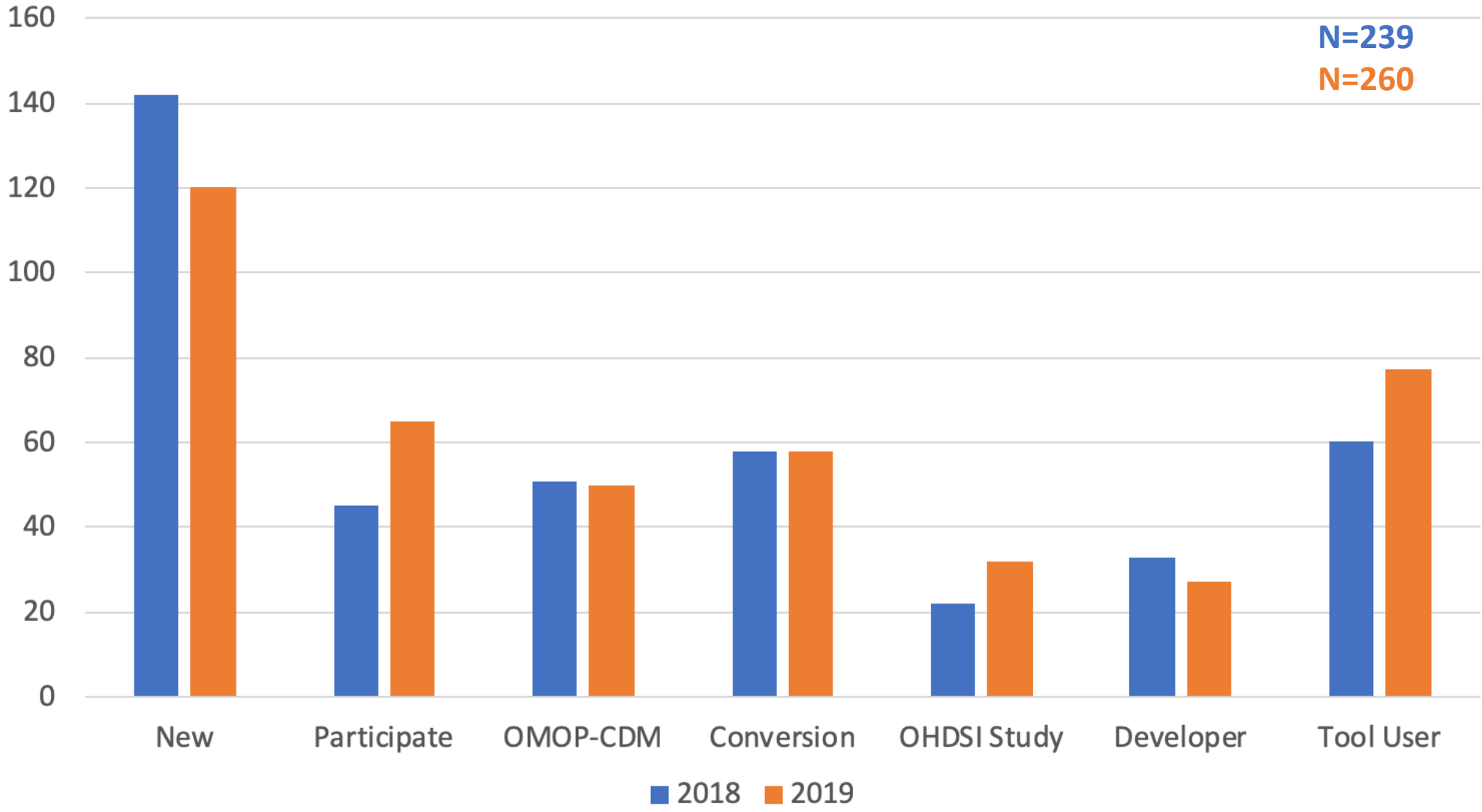
Breakdown of Participants: Countries



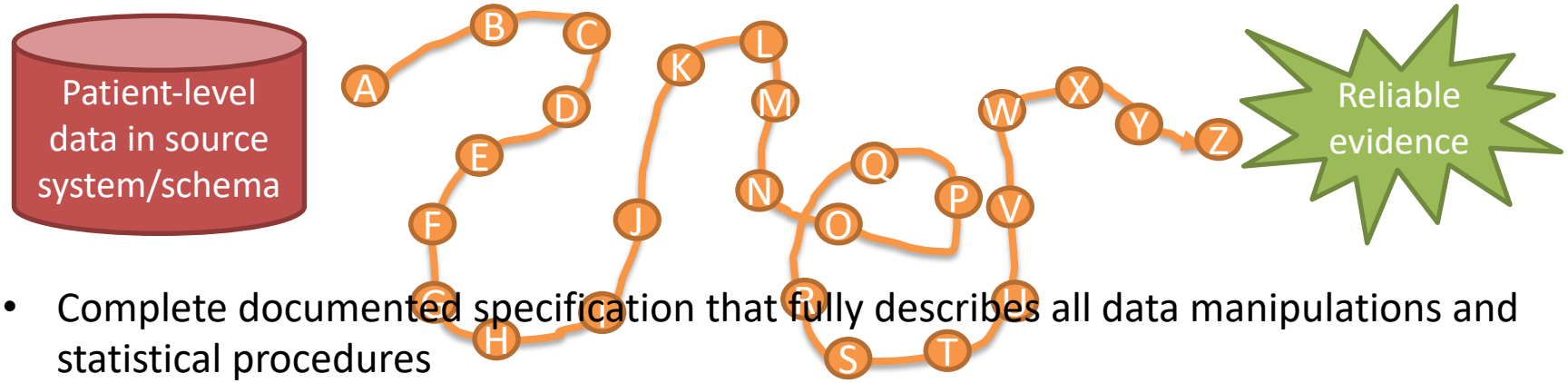
Breakdown of Participants: Stakeholders



Relationship with OHDSI

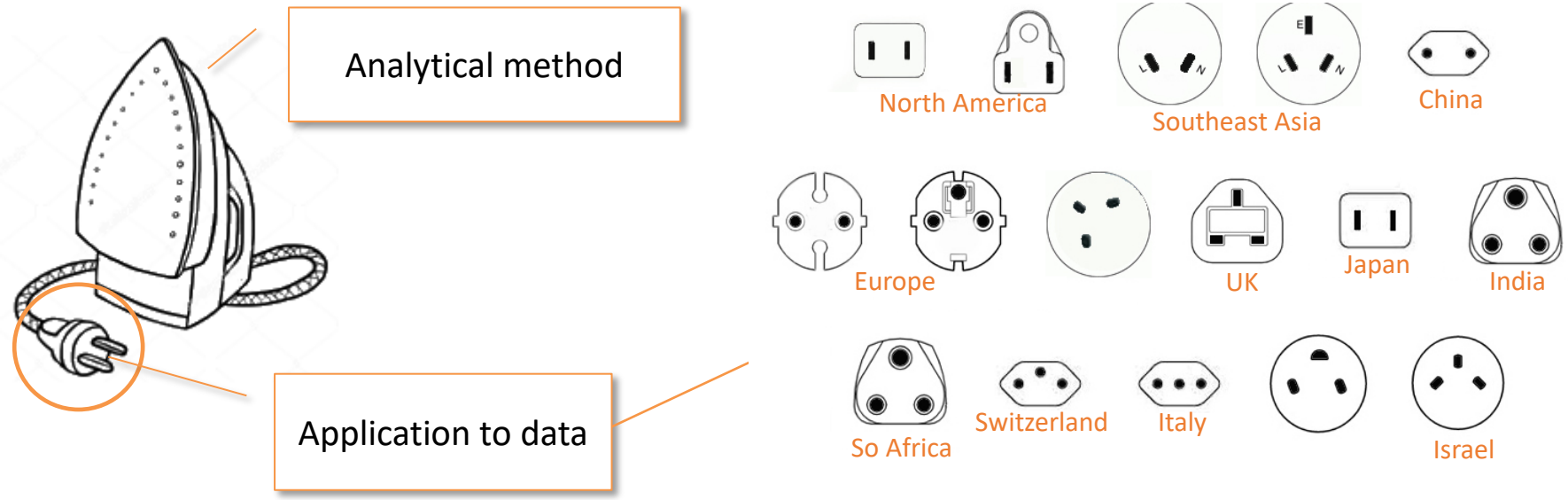


The journey to real-world evidence: a fully reproducible data flow



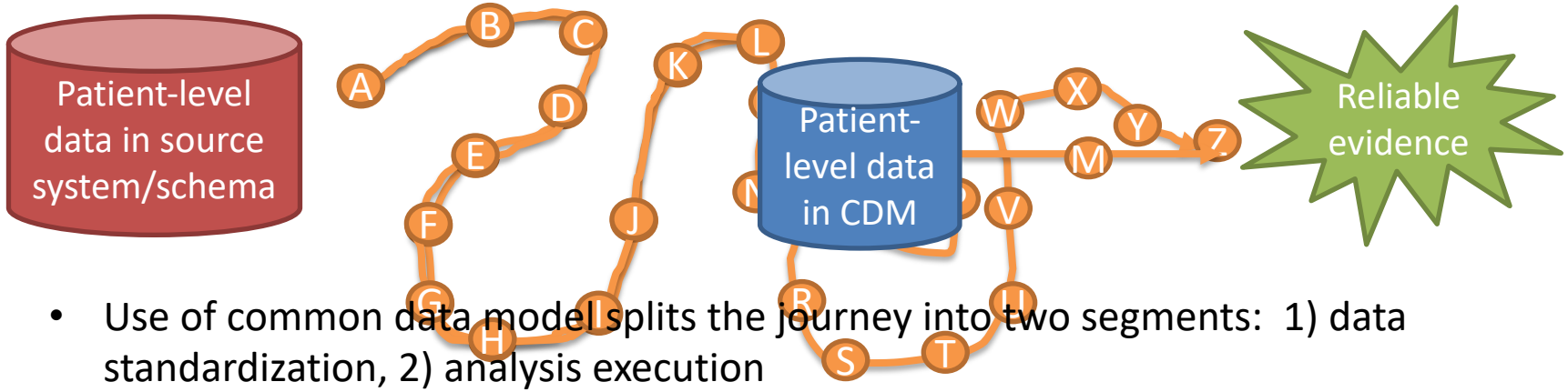
- Complete documented specification that fully describes all data manipulations and statistical procedures
- Full analysis code that executes end-to-end (from source to results) without manual intervention

Why is this not current practice?



- Interoperability of data: different structures, different terminologies
- Standardized analytical pipelines are needed
- We need to build an active data network to answer clinically important questions in a timely manner

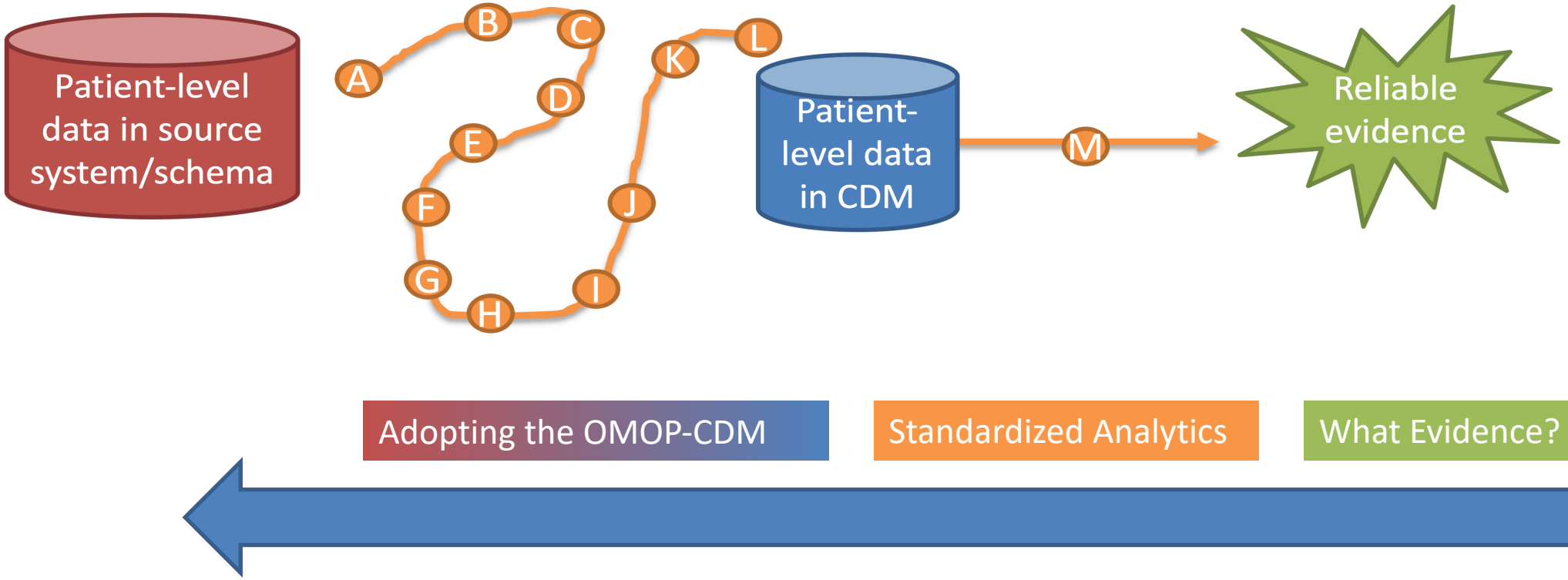
A Common Data Model and Standardized Vocabularies



- Use of common data model splits the journey into two segments: 1) data standardization, 2) analysis execution
- ETL specification and source code can be developed and evaluated separately from analysis design
- CDM creates opportunity for re-use of data step and analysis step

Today's Storyline: Morning Session

- The OHDSI Initiative
- The European Health Data & Evidence Network (EHDEN) project

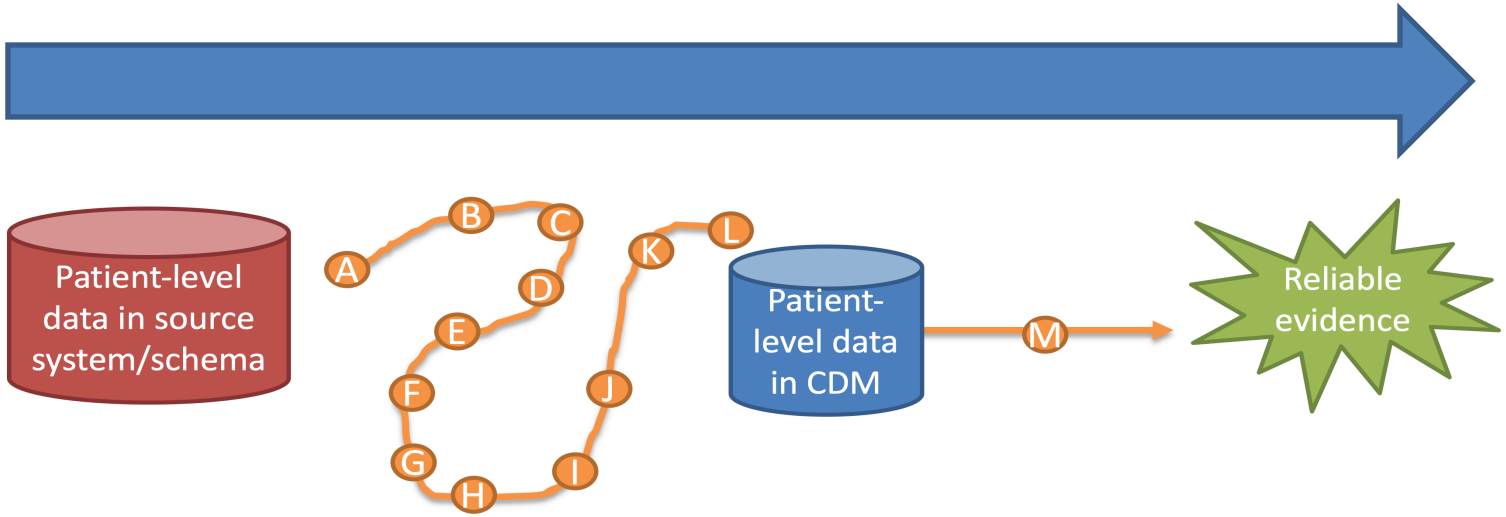


- Q&A Session with all speakers

Today's Storyline: Afternoon Session

- Lunch and OHDSI Collaborator Showcase
- Lightning Talks of Selected Abstracts
- OHDSI Collaborator Showcase

Data to Evidence: OHDSI in action!



- Closing Remarks