

Split one OMOP-CDM database into multiple standalone, patient-centered test sites for fast and low-cost federated algorithm testing.

A Patient-Centric OMOP-CDM Partitioning Tool for Federated Deployment Testing.

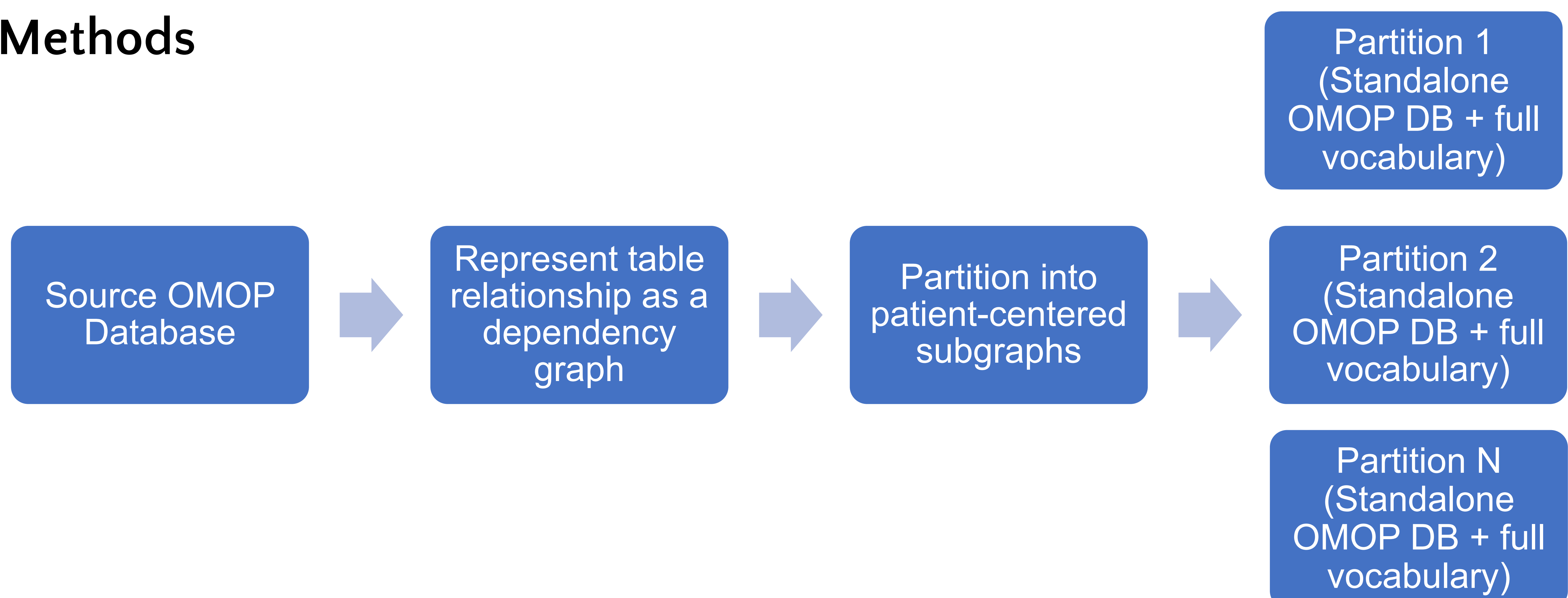
Background:

- European cancer research often depends on multi-registry collaboration and federated workflows.
- OMOP-CDM improves interoperability, but realistic multi-site test setups remain costly.
- Full database cloning is slow and storage-intensive, while naive sharding can break patient-level semantics.
- **There is a practical need for self-contained, site-like OMOP-CDM instances for infrastructure validation and federated algorithm deployment testing.**

Result: The tool takes an OMOP database as input and partitions it into multiple standalone OMOP databases.

<https://github.com/vnragavan/omop-sql-partitioner>

Methods



Limitations:

- limited quantitative benchmarking on large-scale datasets.
- limited partitioning strategies.

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