



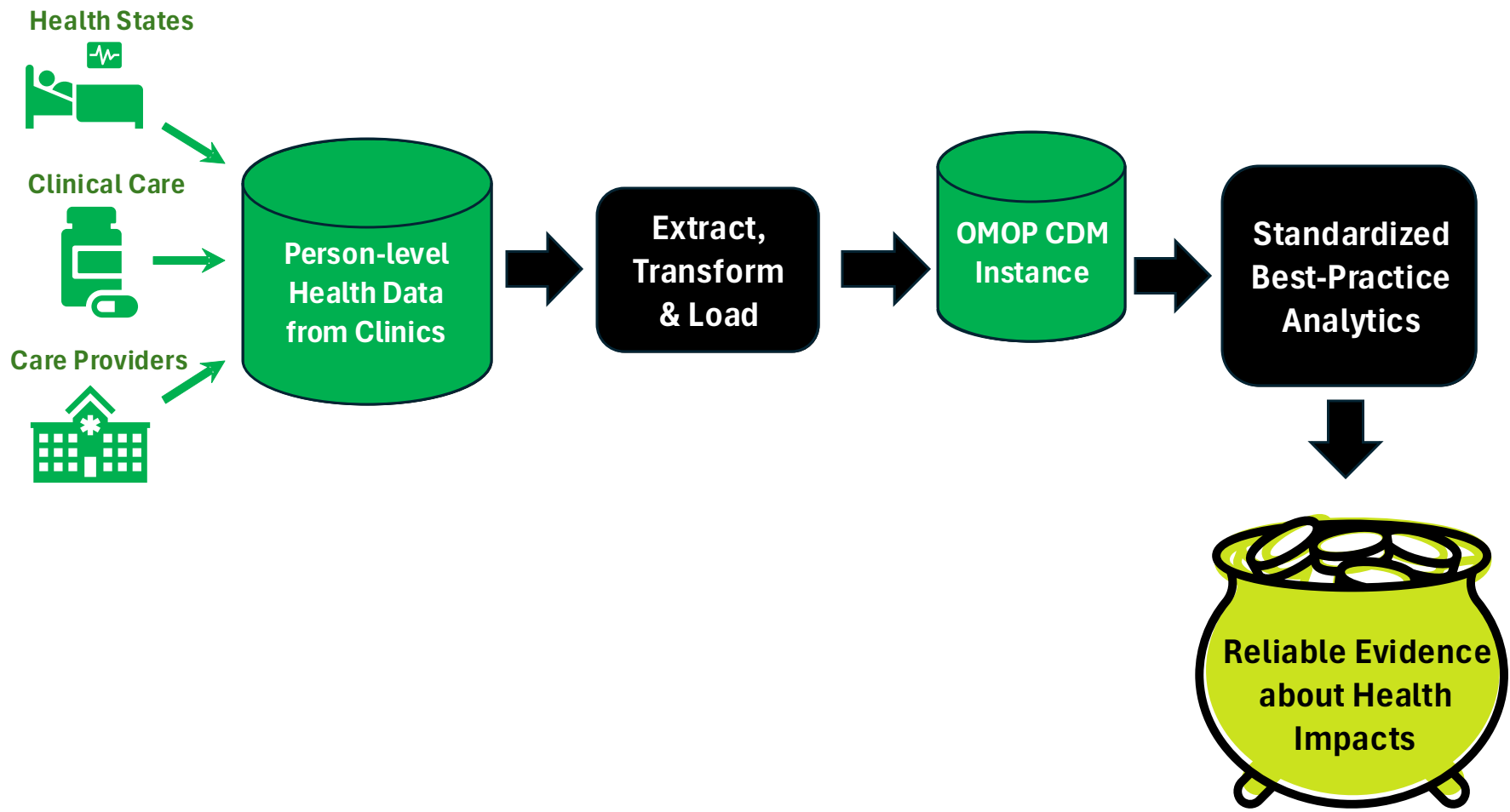
OHDSI GIS Workgroup

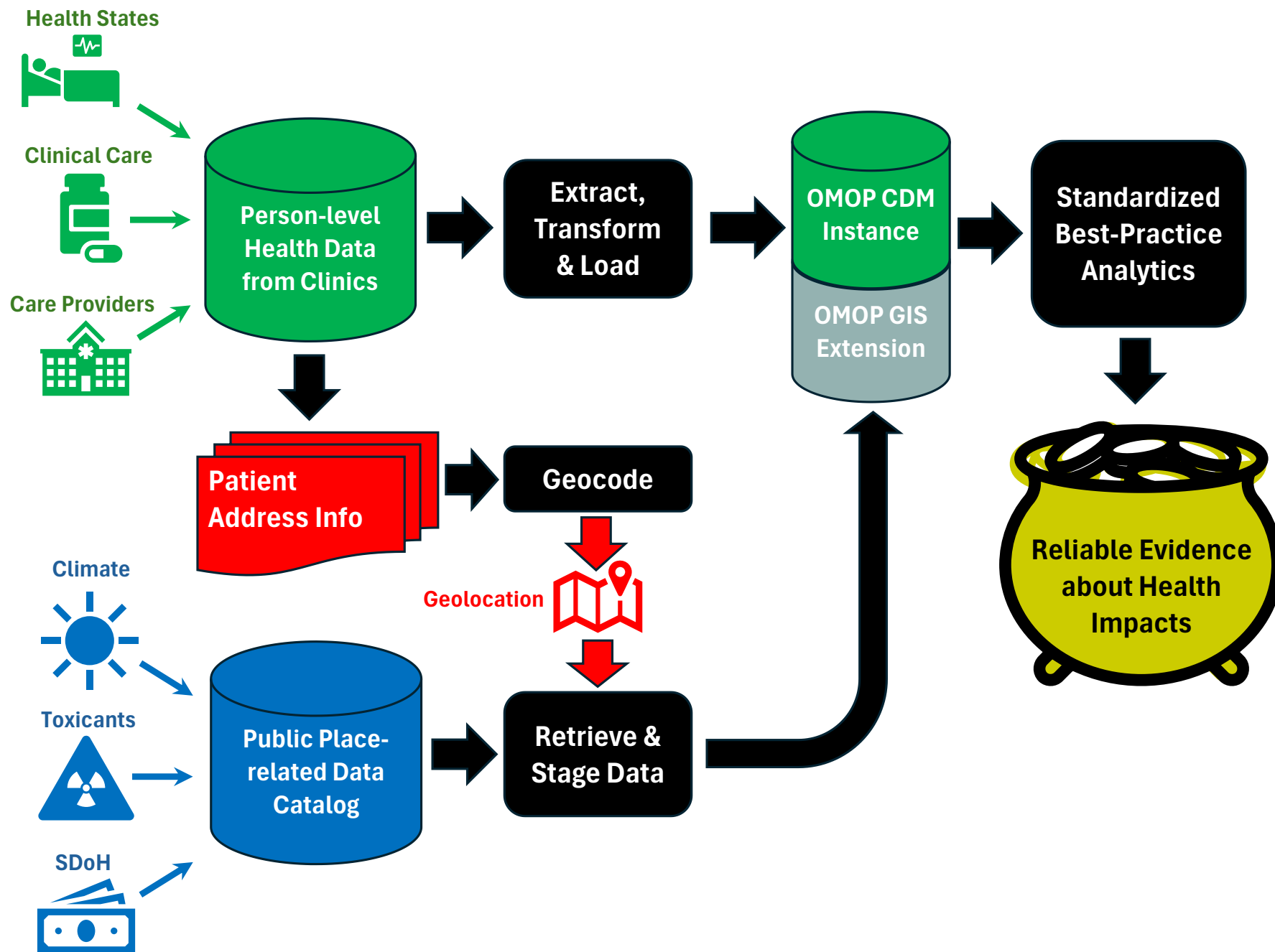


GIS Workgroup: Mission

Improve the health of populations by generating reliable evidence from integrated geospatial and person-level health data.

- Climate
- Toxicants
- Regional policies
- Social determinants of health
- ...







GIS Workgroup: 2024 Accomplishments

- **Released GIS Extension to OMOP Schema**
 - <https://ohdsi.github.io/GIS>
- **Released draft vocabulary for standard representation of geospatial attributes that affect health:**
<https://github.com/OHDSI/GIS/tree/main/vocabularies>
 - GIS Vocabulary
 - Exposome Vocabulary
 - SDoH Vocabulary
- Tested GAIA Core schema and code for ETLing geospatial data
- Developed flexible data cataloging approach
- Developed flexible geocoding approach
- Transitioned to a flexible use case-driven management structure
- Developed roadmaps for key infrastructure components



GIS Workgroup: 2025 Goals Infrastructure

- Roadmap for GAIA
- Roadmap for vocabulary
- Roadmap for cataloging
- Roadmap for geocoding
- Roadmap for containerization



GIS Workgroup: Use cases

- Climate and HIV mortality in Africa (Inspire)
- Temperature and health (Boston area test case for vocab validation)
- SDoH and intensive care (Bridge2AI)
- Geocoding accuracy (CLAD)
- Anaphalaxis incidence linkage to geospatial exposures (Linying Zhang)
- Highway bufferzone association with pulmonary outcomes
- Various informatics milestones relate to the toolchain



GIS Workgroup: Meeting times

- The primary meeting takes place on Fridays at 10 a.m. Eastern US