# OHDSI GIS

2024 OKRs

https://ohdsi.github.io/GIS/

# Purpose

The goal of the OHDSI GIS WG is to enable **studies of place-related data** in conjunction with longitudinal patient-level data.

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# Accomplishments

- Developed **OMOP Vocabularies for GIS, SDoH, and Environmental Toxins** concepts

- Created an **end-to-end example** use case that demonstrated integration of place-related data

- Developed and tested a **CDM extension table** for integrating environmental toxin and Social Determinants of Health (SDoH) data in OMOP

- Expanded metadata **catalog functionality** (local datasets) and corpus (ADI, Census BGs)

- Conducted a survey of offline (secure) **geocoding tools** fit for patient data

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# Objective **1**:

## Create a cohesive and comprehensive
## <u>body of documentation</u>

## Key Results:

- Complete vignette-style documentation to **orient and on-ramp** new users

- **Improve transparency** with development **roadmaps** and readiness-for-adoption **metrics**

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# Objective **2**:

Complete the workgroup's transition to <u>new organization and use case leadership structure</u>

Key Results:

- Acquire three "guiding" use cases and work with collaborators to meet their project's goals while advancing the OHDSI GIS mission

- Foster collaboration with other OHDSI workgroups

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# Objective **3**:

Continue to develop and mature <u>Gaia functionality and extensions</u>

Key Results:

- Secure a sustainable platform for the Gaia data catalog

- Propose and integrate a CDM extension table into the OHDSI ecosystem

- Expand metadata related functionality to enable automated retrieval from APIs

- Develop a HADES package that does appropriately adjusted analytics with spatiotemporal data

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