

Community & Clinical Data Initiative Overview



THE ISSUE

A complete picture of a person's health relies on comprehensive data that brings together the clinical care they receive, and the complementary services and programs provided by community-based organizations (CBOs) or government agencies.

The current health data ecosystem often excludes non-clinical data. Data from CBOs and government programs is siloed across many organizations' information systems.

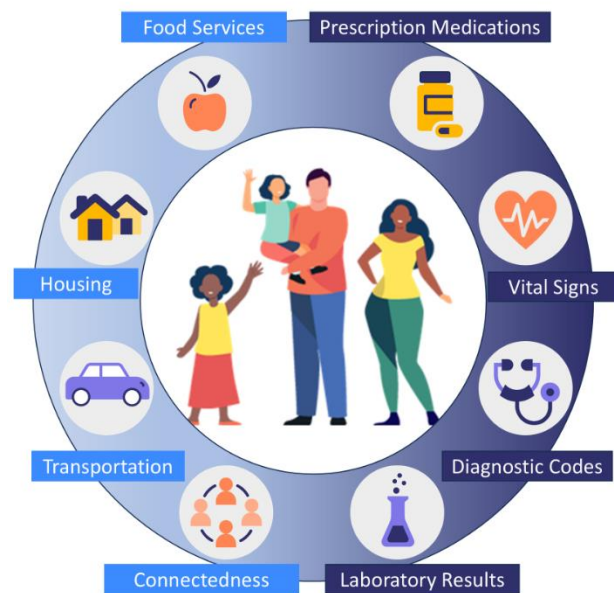


THE SOLUTION

The Community and Clinical Data Initiative (CODI), originally developed by the Centers for Disease Control and Prevention (CDC), is an open-source technology and partnership model that aims to improve programs, care, services, and outcomes by connecting clinical and community data. CODI is a model to harmonize community and clinical data to create a complete picture of a person's health for:

- Research
- Evaluation
- Quality Improvement
- Public Health

CODI can be implemented by any community interested in connecting across the health information landscape to better understand the impact of community programs and services on population health outcomes. CODI has been implemented in Colorado, North Carolina, and Maryland with focuses childhood obesity, chronic disease, and food insecurity, respectively.



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IMPACT OF CODI

CODI can benefit community-based organizations, health information exchanges, healthcare providers, and policy makers.

In past CODI pilots, organizations:

- Increased data sharing,
- Measured clinical impact of programs and services,
- Gained meaningful insights about people served,
- And built stronger relationships across the health information landscape.



IMPLEMENTING CODI

CODI has two data sharing approaches: a distributed network or a health information exchange (HIE) centered design. Three implementations have demonstrated that implementing the HIE-centric approach has lower costs and is more likely to be sustained and extended.

Data Sharing Approach	Distributed Network	HIE-Centric
Applicable Implementation(s)	Colorado and North Carolina	Maryland
HIE partner required?	No	Yes
Benefits	Links persons without sharing identifiers (PII) and data stays with each participating partner	Limited technical build, faster implementation, and lower implementation costs
Challenges	Time to establish data governance and sustainability costs	HIE translation of the model
Resources	https://phii.org/course/codi-toolbox/	https://mitre.github.io/codi/

GETTING STARTED

The CODI Model is publicly available, and the following types of open-source resources are available to support implementation: [planning](#), [data model](#), [data quality](#), [measuring impact](#), and examples of [communities using CODI](#). HIE-centric resources available at mitre.github.io/codi/.