



Colectica Introduction



Colectica Overview

- Software for standards-based data documentation
 - ▣ Survey design and specification
 - ▣ Data documentation
 - ▣ Study and process documentation
- Used by
 - ▣ National statistical organizations
 - ▣ Research data organizations
 - ▣ Data archives



Research groups use Colectica to

- Catalog datasets, especially repeated/longitudinal
- Document data
- Publish interactive web portals, codebooks, data dictionaries



Goals

- Let researchers discover data across datasets
- Understand the data and its provenance or lineage
- Allow data to be more widely used and cited



Typical Customers: National Statistical Organizations

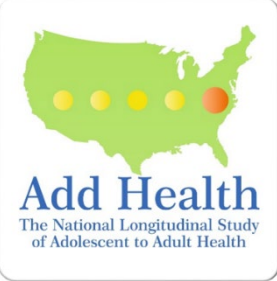


Statistics
Canada

Statistique
Canada



Typical Customers: Longitudinal Studies



Typical Customers: Data Archives



Customer Relationships

- Commercial off the shelf – sale, support, updates



- Custom software development
- Metadata consulting and training



The Colectica Platform

- Colectica Designer
 - ▣ Full metadata editor
- Colectica Questionnaires
 - ▣ Survey authoring tool
- Colectica Repository and Portal
 - ▣ Centralized, authoritative, metadata store built on DDI 3, ISO 11179, and Web Service standards
 - ▣ Search and browse metadata from Colectica Repository
- Colectica SDK
 - ▣ Developer library



Unique Features

- Variable level documentation and lineage
 - ▣ Source questions from surveys; source variables for derived data
 - ▣ Concordance, across time and across data products
 - ▣ Conceptual variables, represented variables (data element concepts, data elements)
- Re-use metadata
 - ▣ Classifications, code lists, questions, more
- Open standards and extensibility
 - ▣ DDI Lifecycle, GSIM, and more
 - ▣ Data connectors, reports, workflows



Data Documentation Initiative



- Open standard for describing data, since 1995
 - ▣ Focus on social, behavioral, and economic sciences
 - ▣ XML
- Users
 - ▣ National statistical organizations
 - ▣ Research data groups
 - ▣ Data Archives
- [DDI Information Model](#)
- GSIM implementation model



Documentation

- <https://docs.colectica.com>



Longitudinal Portals

- [Midlife in the United States \(MIDUS\)](#)
- [National Health and Aging Trends Study \(NHATS\)](#)
- [NACDA-ICPSR Portal](#)
- [CLOSER Discovery](#)
- [Generations and Gender Survey \(GGP\)](#)
- [Statistics New Zealand DataInfo+](#)
- [Finnish National Elections Study](#)



Demonstration

1. Browse, search, and view data documentation on the Web
2. Import, edit, and publish data documentation

