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
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