

Vadu Rural Health Program



NCD-RF Metadata Documentation using DDI 3.1 Standard

Neeraj Kashyap

IT Manager,
VADU HDSS, INDIA

E-mail – neerajkashyap81@gmail.com

Website - www.kemhospitalvadu.org

Location: Accra, Ghana

Date: 28th Sept2010



Introduction

- INDEPTH conducts many research studies through its member sites
 - SAGE- Adult Health and Aging
 - INESS
 - MCTA
 - **Asia-specific Non Communicable Diseases Risk Factor Surveillance (NCD-RF)**



Current Metadata Documentation Methods

- Current methods for metadata documentation
 - Word documents
 - Spreads sheets
 - Statistical formats
- Disadvantages of current meta data documentation
 - Inadequate Documentation
 - Limited accessibility to documented data
 - Difficulty in accessing archives



NextGen Approach for Metadata Documentation

- Migrate current documentation of NCD study to a Global standard- the DDI
- Data Documentation Initiative (DDI) standard



DDI 3.1 Life Cycle Orientation

DDI 3.1 documents all stages in the life cycle of data:

pre-production

production

post-production

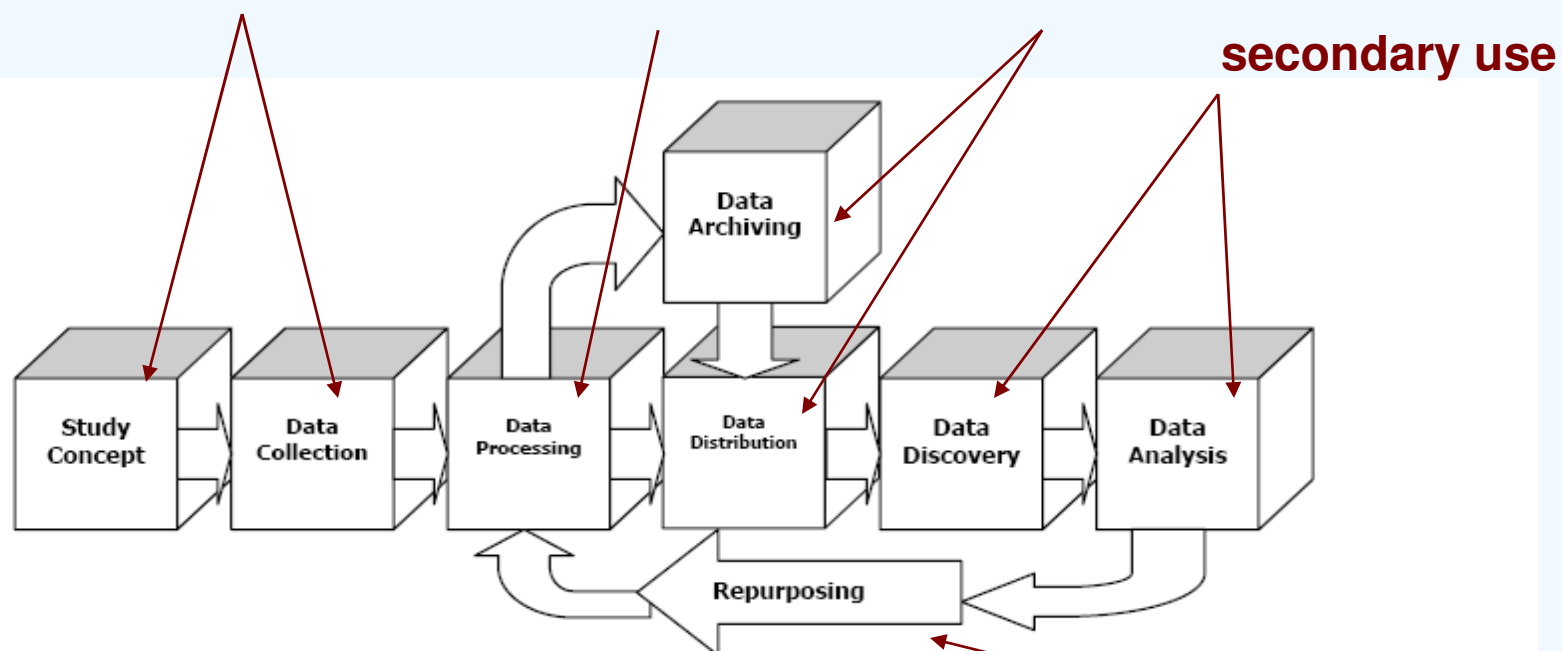


Figure: Combined Life Cycle Model



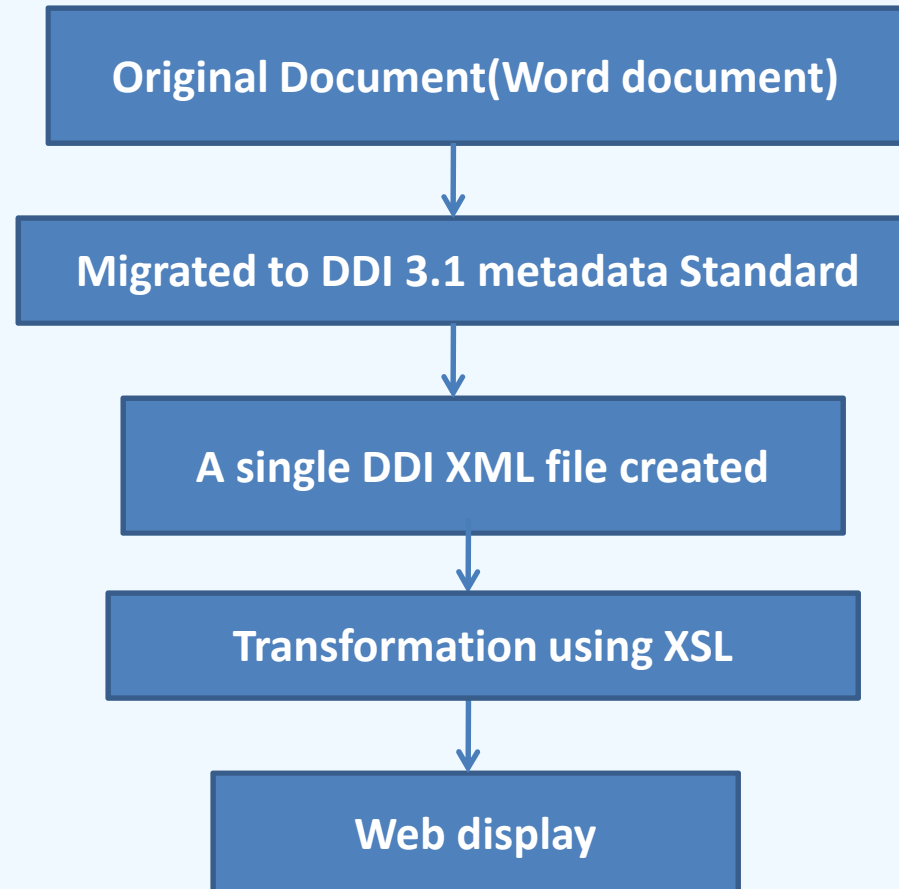
Data of the NCD-RF

- Non Communicable Disease (NCD) Risk Factor Surveillance in INDEPTH 9 Asian sites conducted in year 2005.
- The multi-site study was designed as a repeated cross-sectional survey.
- A total of 18,494 people were interviewed in this study in all 9 Asian sites.
- All sites used WHO STEPS tool for data collection.
- Merged Data is archived in Stata format.



DDI 3.1 and NCD-RF Metadata Documentation

Project flow



Features of DDI 3.1 Used

- **StudyUnit module**
 - Used for abstract, purpose, coverage
 - **Conceptual Component**
 - Used to describe study concepts, universe and geographical location
 - **DataCollection module**
 - Used to describe methodology (sampling), questions and data cleaning process
 - **LogicalProduct module**
 - Used to capture categories, code lists, and variables
 - **Physical Instance module**
 - Used to capture statistical information of variables
 - **Archive module**
 - Used to record information about the individuals, organizations, and their roles, as well as some storage information for files
- **Other Materials module** is used to capture publication information



Demonstration



Conclusion

- The DDI documentation of all INDEPTH cross sites or site studies is achievable



Thank You

