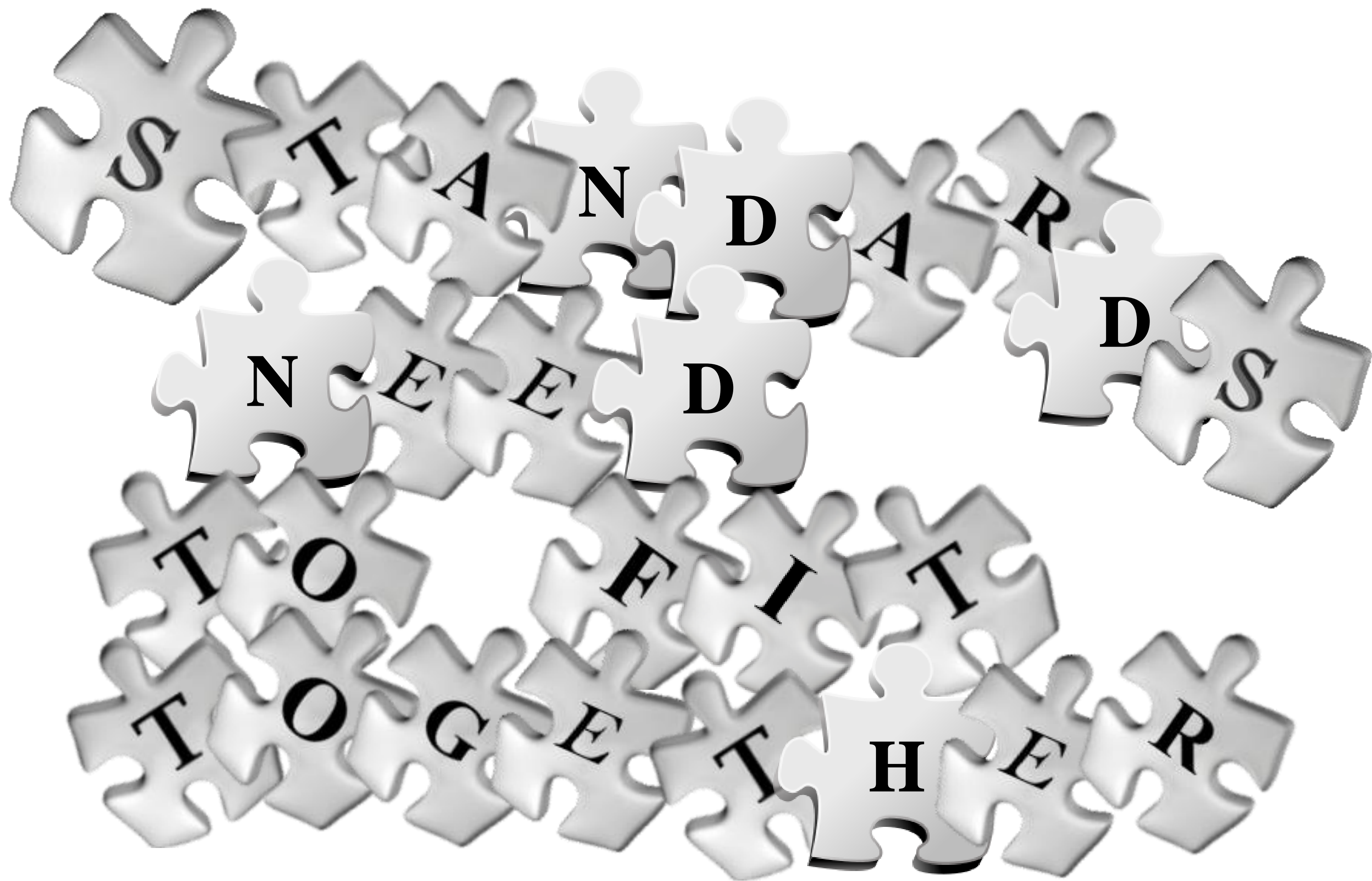
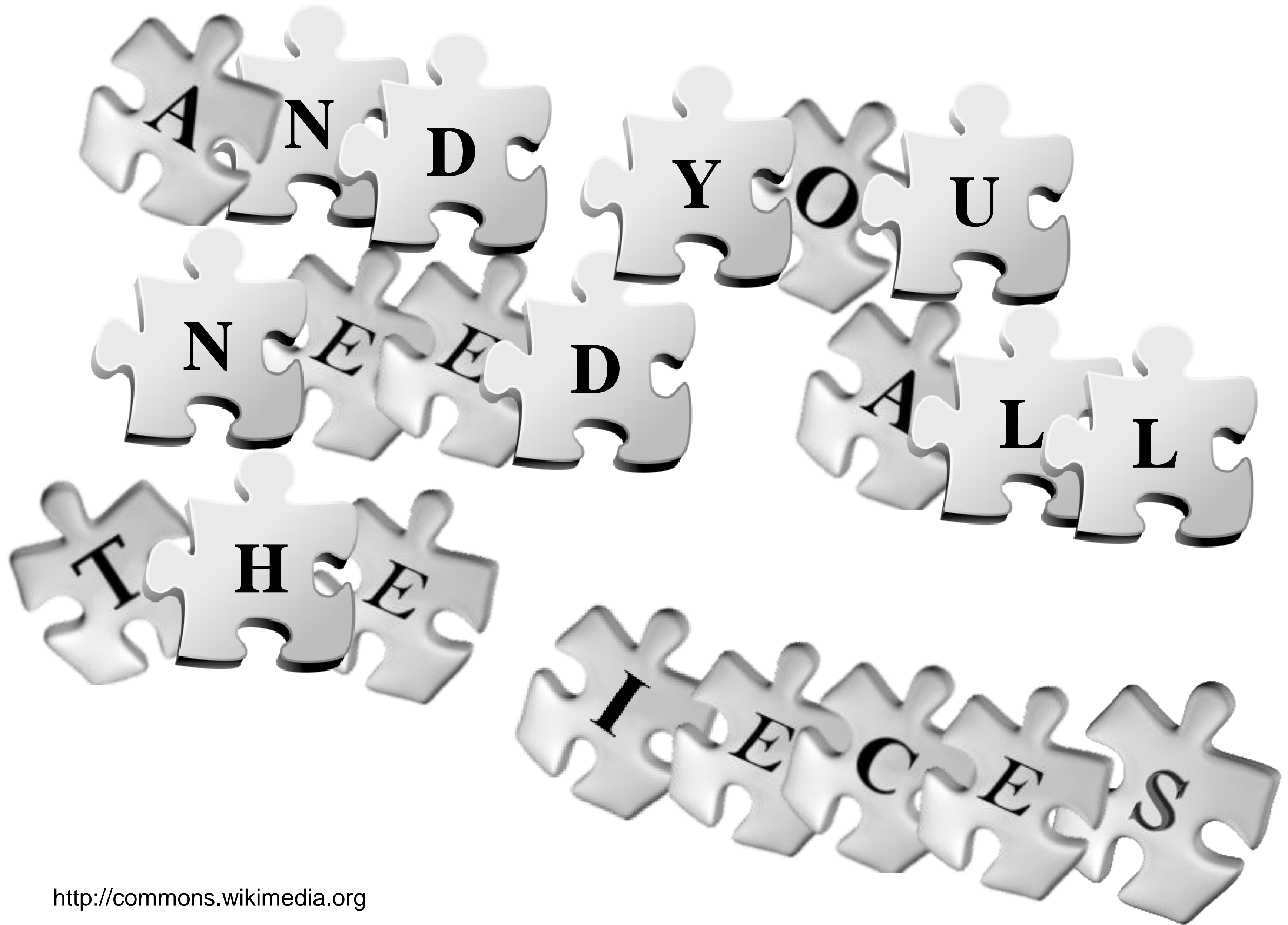


http://commons.wikimedia.org



http://commons.wikimedia.org

Just some of our standards

- Terminologies
  - Read
  - CTV3
  - SNOMED CT
  - DM+D
  - Cross maps
- Classifications
  - OPCS
  - ICD10
  - Cross maps
- Data Dictionary
- User Interface
- Messaging
  - HL7 V3 for Spine
  - HL7 V2 for local integration
  - CDA + Templates
  - Commissioning Data Sets
  - Other data sets
- Content Modelling
  - Clinical Archetypes (CEN13606)
  - Content models for suppliers
- Logical Record Architecture

NHS Connecting for Health deployment statistics (for w/c 3 March 2010)

- More than 21 million electronic bookings (21,890,744) have been made to date.
- During the week 3,527,916 prescription messages were transmitted using the Electronic Prescription Service (EPS)
- Over 300 million (306,774,292) prescription messages have now been transmitted electronically.
- 7,094 (85%) GP Practices and 9,392 (87%) Pharmacies have gone live with EPS Release 1 systems.
- There are 127 Picture Archiving and Communications System (PACS) from NHS Connecting for Health now live across England.
- GP2GP has now been used for 1,022,140 medical record transfers
- 1,243,911 Summary Care Records have now been created on the Spine.

National Integration – The Spine

- Demographics service
- Summary Care Record
- Choose and Book
- Electronic Prescriptions
- GP2GP records transfer service

National Integration Standards

- HL7 V3
- SNOMED CT
- CDA
- HL7 V3 templates
- Terminology Cross Maps

Local Integration - ITK

Local Integration Standards

- HL7 V2
- IHE Profiles
- CDA
- SNOMED CT / Read
- Terminology Cross Maps

Secondary Use Standards

- OPCS
- ICD10
- Terminology to Classification Cross Maps
- Datasets
- Data Dictionary

Barriers to Interoperability

- Multiple, overlapping and inconsistent terminologies
- Multiple, inconsistent information models that cannot easily map
- Information models that overlap and conflict with terminologies
- Inconsistent definitions of content

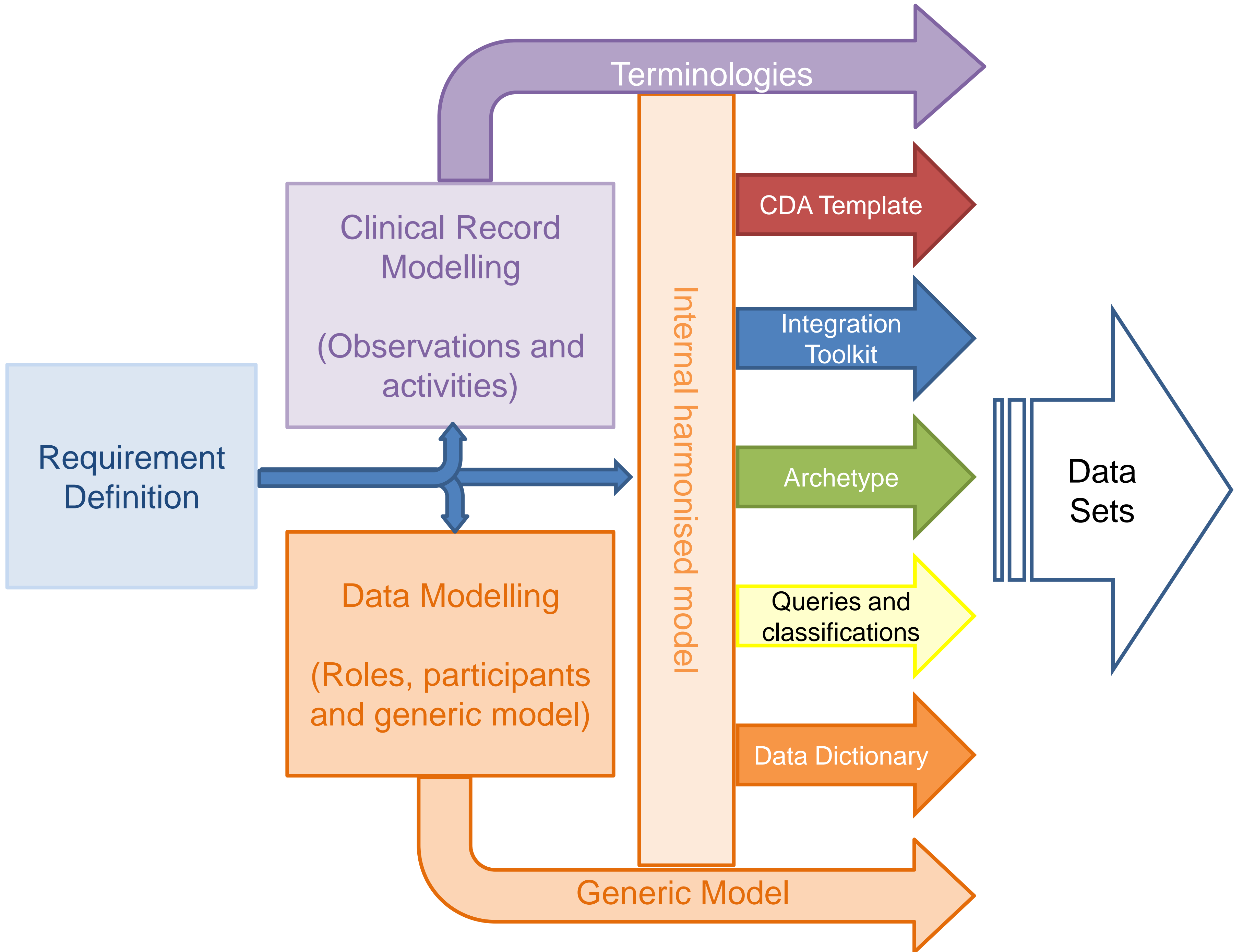
The solution

- A single reference terminology
- A single reference information model
- A set of defined data entries expressed in the reference terminology and reference information
- A set of defined record entries made up from the data entries
- Rules and guidance on how to produce the reference data entries

Content is King

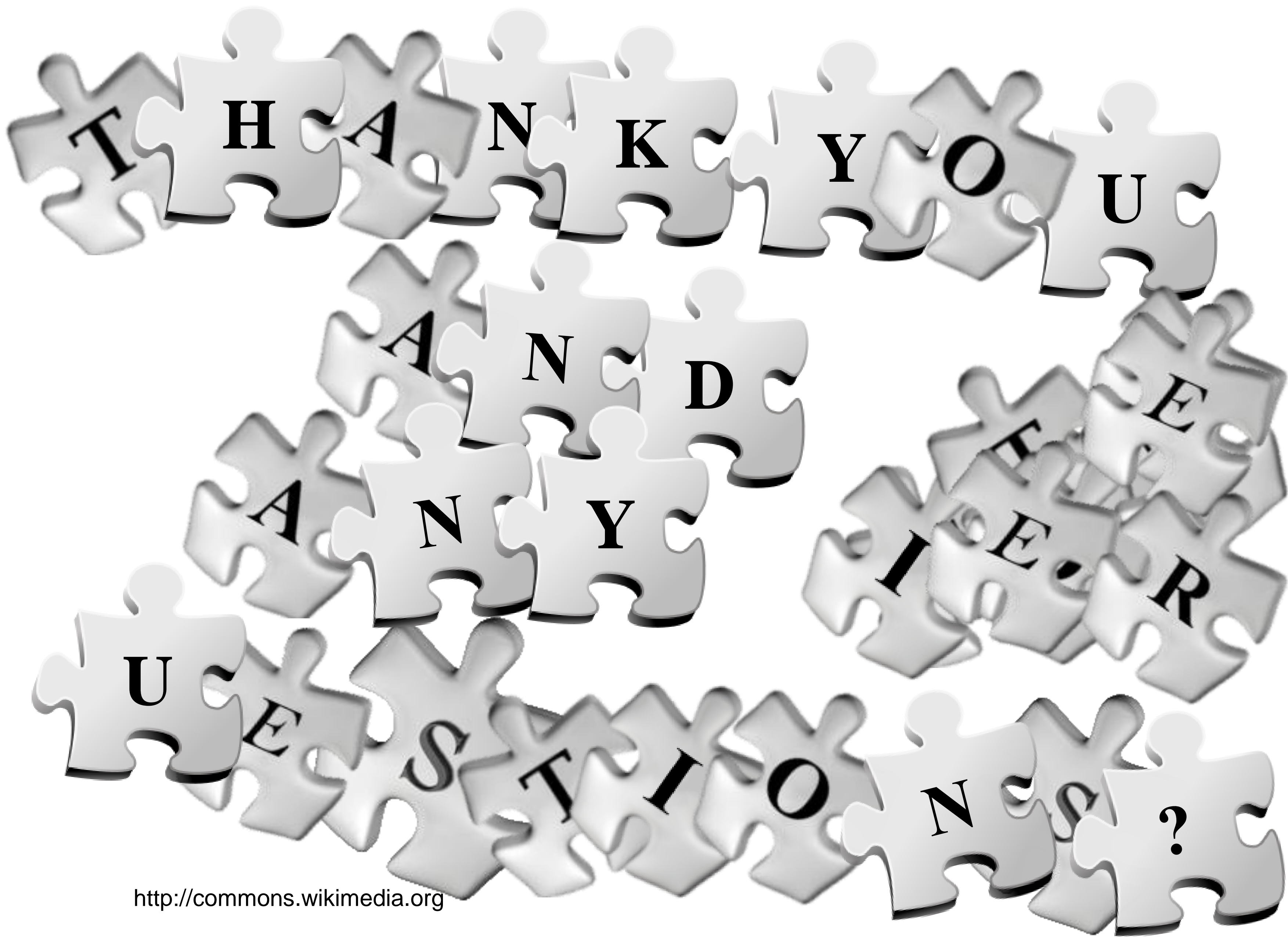
A standard structure is important, but …

You need standard content to make it worthwhile


Terminologies
Clinical Record Modelling
(Observations and activities)
Requirement Definition
Data Modelling
(Roles, participants and generic model)
Internal harmonised model
CDA Template
Integration Toolkit
Archetype
Queries and classifications
Data Dictionary
Generic Model
Data Sets

The Challenges

- Which terminologies?
- Which information model?
- How do we derive classifications from the health record?
- Who defines the content?
- How do we govern this?



http://commons.wikimedia.org