Development

Common Data Elements and Terminologies in Demo Ontology

SHRINE makes common elements of patient data available to be searched. Descriptions for the most common data elements, **demographics**, **diagnoses**, **medications** and a sample of **laboratory results**, are listed below.

In the below descriptions, a standard terminology has been leveraged (where possible) to represent each type of data. These have been outlined in coordination with what is present in the demo SHRINE Core Ontology. Other data standards may be incorporated as well, and terminologies may need to be modified as necessary to fit the requirements of SHRINE. The below standard terminologies provide the baseline for the demo SHRINE Core Ontology.

The Core ontology is a static snapshot of underlying standards. As they change (for example, regular updates of ICD-9-CM and RxNorm), we expect that the Core ontology will follow after a reasonable delay to accommodate the effort of introducing the changes, resolving issues and quality assurance processes.

Demographics

- Age
- Gender - HL7 Administrative Gender
- Language - ISO 639-1
- Marital Status - HL7 Marital Status
- Race and Ethnicity -CDC Race & Ethnicity Code Sets

Diagnoses

- ICD-9-CM terms and hierarchy

Medications

- RxNorm Ingredient terms and NDF-RT hierarchy

Lab Tests

- LOINC common top 300 ranked common labs with LOINC hierarchy