

DATASET SPECIFICATIONS & INTEROPERABILITY

OWNER: Product Line Co-ordinator

Dataset Specification Management

Data Dictionary

Data Modelling

Clinical Information Architecture

Clinical Document Modelling

Information Governance

Business Information Management

Data Management Planning

Data Interoperability Framework

Enterprise Data Sharing Platform

EU E.H.R National Portal

EU E.H.R Data Sharing Exchange

Testing Platform

Enterprise Terminology Services

Key Deliverables

Dataset Specification Standardisation

DD -Website with published content

Irish SNOMED CT

Good information Practices – Self Training

Data Management Planning Documentation

Clinical Document Templates

Test Harness

Interoperability Specifications

Product Overview: Data Dictionary - NHSCDD

Responsibility: Information Architecture Lead

Product objective:

- To deliver a data dictionary for health and social care data to enable foundational informational architecture

Primary Stakeholders:

- Project Managers
- Clinical Leads
- CIO
- Data Dictionary Governance Board Members
- EA Team
- IT Leaders

Value proposition:

- Benefits patients in the longer term as the ICT systems underlying health care will be communicating to each other in a standardised language.
- Alignment with Sláintecare implementation plan



Delivery:

Engagement:

- Business Engagement, Education & Training
- Components Design
- Quality Assurance
- Governance Assurance
- Deployment & Publication

Product Deliverables:

- Version Controlled Centralised repository of Health Information Metadata
 - Inventory of Singular Terms
 - Metadata Catalogues
 - Inventory of Organisational Master Metadata
- Website with published content
- Metadata extracts for EA tool
- Data Dictionary stats dashboard



A Target State Cookbook for Understanding Data in the HSE

- Official Definitions
- Organisational Data e.g. Hospital Names
- Codesets
- Value Sets
- SNOMED CT Refsets
- Activity Information
- KPI's
- Identity - OID's, Eircodes

Dictionaries for data are useful to describe the 'rules' by which all the data in a particular system need to abide by.

CookBook Makes the Recipe!

Established Practice – Data Dictionaries

Queensland Australia

Behavioural issue potentially related to alcohol and/or other drug usage

Data Element ID: 040875 Version number: 1

Type: DATA ELEMENT

Status: CURRENT

20/12/2007

Definition: Client's behavioural issue that in the clinician's opinion is potentially related to the client's drug and/or alcohol use.

Context: Queensland Health Minimum Data Set - Alcohol and Other Drug Treatment Services

Data type: Numeric character

Representational form: CODE

Representation layout: NN

Minimum Size: 2 **Maximum Size:** 2

Data Domain:

01	Unsafe sexual behaviour
02	Violent behaviour
03	Problem gambling
04	Perilous behaviour
05	Unlawful behaviour
98	Other
99	Not stated/inadequately described

Guide for Use: Multiple domain items may be recorded as required.
Code 01: refers to sexual behaviour that places the client at risk of unwanted pregnancy and/or transmissible diseases, including blood-borne viruses.
Code 02: refers to the act of violence toward others that places the client and/or others at risk of injury.
Code 03: refers to a client's reported preoccupation to gambling, to the

Malaysia

Data element	Birth Weight
DatasetID	Obstetric, MNMR, NOR
Date created	May-13
Date updated	
Synonyms	Weight at birth
Translation of data element	Berat badan masa lahir
Description	Weight at birth
Data element type	
Field property / data type for value	Numeric
Field size	4 characters
Value selection / capture method	
Values / Codes for Values	
Value source	WHO, Malaysian National Neonatal Registry (MNMR)

NHS - UK

datadictionary.nhs.uk/data_dictionary/data_file

Field Notes >

LENGTH OF STAY ADJUSTMENT

Description **Where Used** **Attributes**

Format/Length:

National Codes:

Default Codes:

Notes:

LENGTH OF STAY ADJUSTMENT (PATIENT)

HSE NHSCDD Singular Terms Properties Template v1.0

Property	Explanation	Advisory/Mandatory
ID Number	ID Number	IA use
Date Created		Mandatory
Date Updated		Advisory
National Lead		Mandatory
National Division		Mandatory
National Lead Email Address		Mandatory
National Lead Contact Number		Mandatory
Cardinality	Optional, mandatory, repeating	Advisory
Definition 1	Defines the Data Element including the purpose	Mandatory
Definition 2	Additional Definition of the Data Element including the purpose	Advisory
Data Type	Numeric, Alphanumeric, text, date, derived / calculated	Advisory
Data Length	Length of Characters	Advisory
Data Format	e.g. N[NNN.N]	Advisory
Value Selection / Capture Method	i. for alphanumeric data: type in, select from a short list, select from a search list ii. numeric data: barcode, scanning, sensing, swiping, type in	Advisory
Permissible Value	URL or code table of refset, ValueSet, or codeset	Mandatory when applicable
Permissible Value 2	URL or code table of refset, ValueSet, or codeset	Mandatory when applicable
Permissible Value 3	URL or code table of refset, ValueSet, or codeset	Mandatory when applicable
Guide for use	Meaningful description of usage	Advisory

Malaysia

2.4 Strategy for Development

2.4.1 Identify stakeholders

2.4.2 The scope and deliverables of MyHDD was determined by larger consensus group

2.4.3 Stakeholders to determine the standard data sets and elements for use in person record, health condition and event summary including hospital and outpatient visit.

2.4.4 Consensus driven methodology

2.4.5 Reviewing existing standards

2.4.6 Referring to appropriate references

2.4.7 Endorsement by National Health Informatics Committee

Progress on Development of Data Dictionary

- HSE Platform for Master Metadata Management
- KPI's for Primary and Community care
- OID's Registry
- Values Sets for OPEN NCP – Draft
- CDM Conformance Mapping
- e-Services – In Flight
- SME for DSMP
- V1 Website Published (2019)
<https://datadictionary.hse.ie>
- Delivery Process

Strategic Planning

- NHSCDD Governance Board
- DOH Information Systems Strategy
- Draft NHSCDD Policy





As a Project manager I need version controlled and up to date information on Demographics, Identity, KPI's, Codesets, Org Data - Hospital Names, SNOMED CT Refsets



XIGT - Dashboard
Not secure | 10.0.217.3:8080/XIGT/pages/comm
Projects Objects Model Management Rule Eng
HSE Master Project
+ eService Directory
+ HSE Business Catalogue
+ HSE NHSCDD
+ KPIs
+ OID Registry
+ Value Sets
+ HSE Master Data Model
Project: HSE
Owner: HSE
Version: current
31 No. of Projects
Tasks



- HSE National Health & Social Care Data Dictionary
 - HSE NHSCDD Singular Terms
 - HSE & Nationally Approved Datasets
 - HSE NHSCDD Sláinte Core Catalogues
 - Schema Information Insights Platform
 - NBIU - KPI's
 - Organisational Data
 - Data Models
 - Clinical Terminology
 - Glossary

Target State Vision – ‘Consistent Single Point of Reference’
Comparability – Data Quality – Interoperability
Targeting - The Right Information in The Right Place at The Right time to enhance Patient Care

Project: HSE Master Project

Owner: HSE

Start Date: 12/02/2019

Version: current 📄 📥 ⚙️ 👤 📊 🔧 📄 📄

EHIC 1.2.372.980010.1.3

Object Type: Subject Area

Core Term:

Details Relationships History

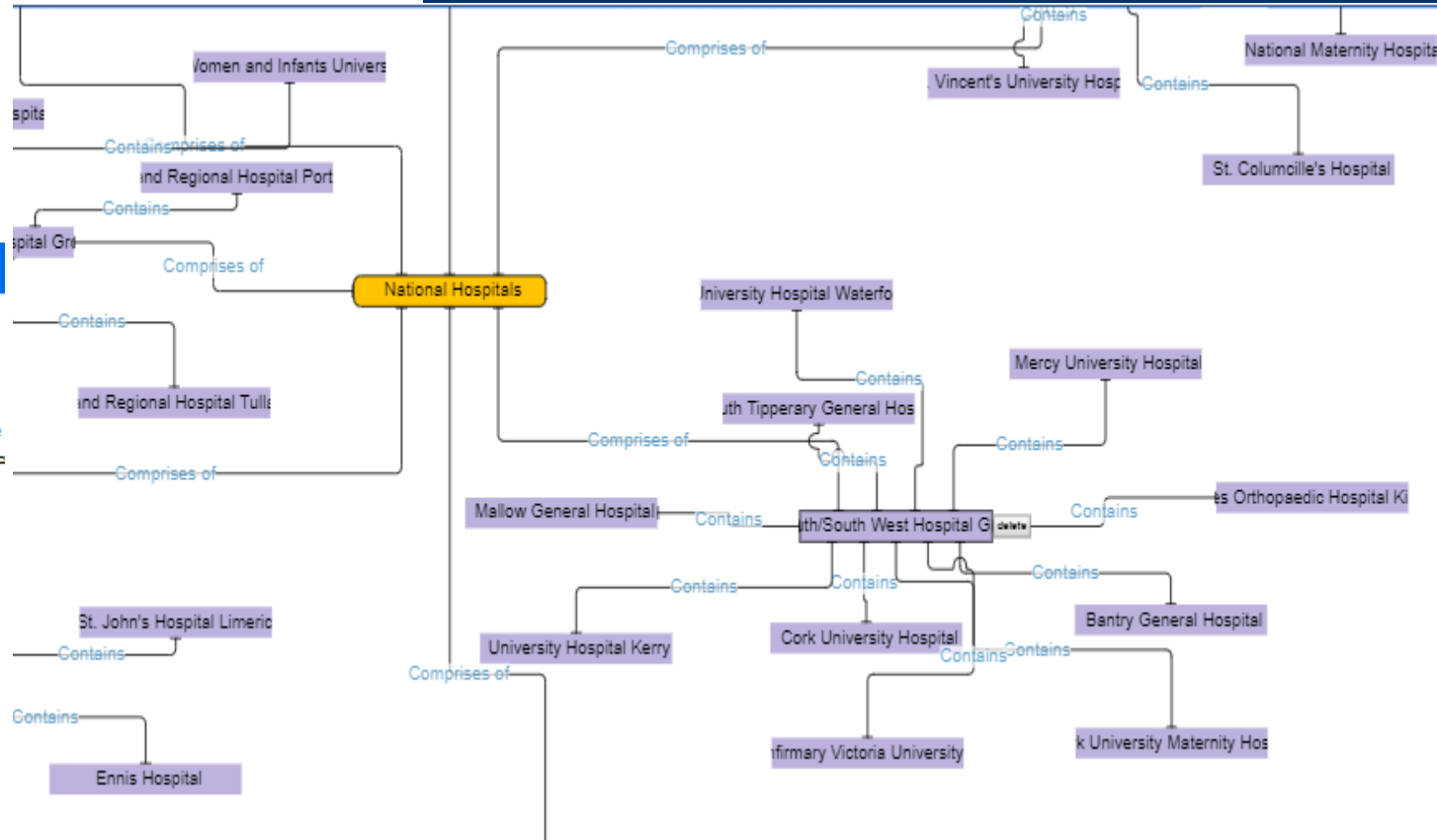
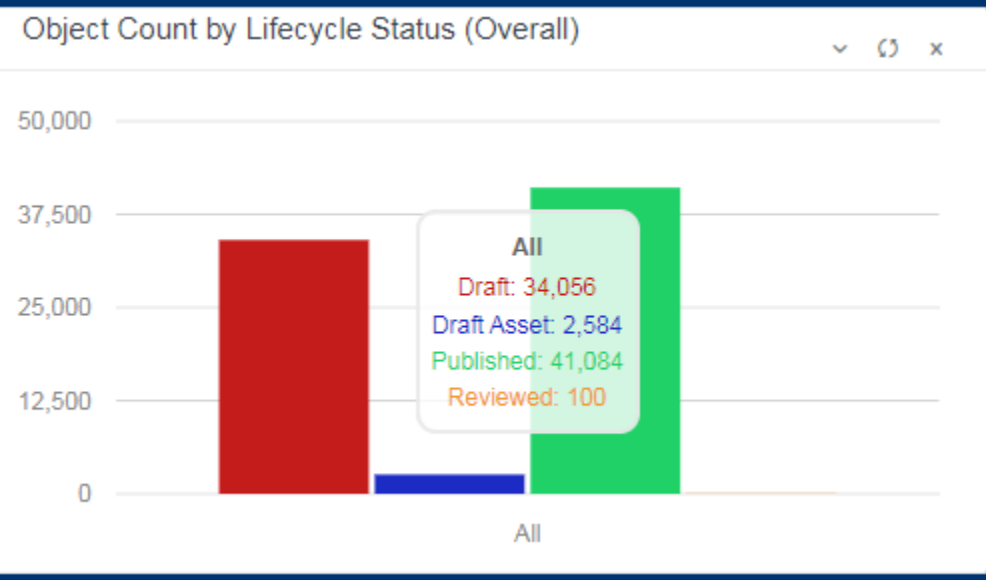
History

Action	Object	Lifecycle Status
Changed	EHIC 1.2.372.980010.1.3	Published
Added	EHIC 1.2.372.980010.1.3	Published

Properties


Action	Title	value
Added	Purpose	Root OID to identify the foreign countries as issue

Lifecycle Status Of Objects



Audit Trail Of Objects – History, Owner, Relationships (Reuse)

Visualisation of Objects

A glowing desk lamp with a black shade and a long, adjustable arm is mounted on a textured, light-colored wall. The lamp is illuminated, casting a warm, yellowish glow. The background is dark, making the lamp and the text stand out.

“The electric light did not come from the continuous improvement of candles.”

-Oren Harari