



Lightening session

Data Mastery: Unlocking the Power of Healthcare's Most Vital Asset





Data Mastery : Speaker Panel



Theresa Barry
Data & Clinical
Terminology
Architecture Lead, HSE



Yvonne Coughlan
Clinical Terminologist
National Release Centre
for SNOMED CT, HSE



Dara Keeley
Project Manager
Technology and
Transformation, HSE



Shane Byrnes
Clinical Lead
National Medicinal
Product Catalogue, HSE



Data Dictionary & SNOMED CT in Ireland

What would good look like

- All clinical and data terms are standardised
- Vital information can be shared
- Comprehensive coverage and greater depth of details and content for all clinical specialities and professionals
- Should include diagnosis and procedures, symptoms, family history, allergies, assessment tools, observations, devices, facilities, identity
- Clinical decision making is supported
- It facilitates analytics/insights to support more extensive clinical audit and research for population health
- Reduced risk of misinterpretation or duplications
- Supports evidenced based healthcare
- Interoperable standardised data for all uses

HSE Progress since 2016 -2024

SNOMED CT In Ireland

Governance Board and SNOMED Subgroup
3 yr strategy, new strategy in planning
Engaged key stakeholders clinical and ICT
Attended International conferences
Leveraged learning from other SNOMED member countries
Vendor specification document
Membership of managed service
22 refsets published, content progressed through CRS, and new content authored and published
Established the Data Specification Management Process 8 datasets progressed
9 Irish Edition releases
Established SNOMED page on eHealth Ireland website [link](#)
Acted as consultancy for a number of projects
Development of NMPC with SNOMED Data Model



Search	Favorites	Refset
metadata concept)		
ference	Acute Floor Refset Presenting Complaint Ireland (foundation metadata concept)	361
ference	Acute Floor refset Ireland: Allergies (foundation metadata concept)	1358
ference	Acute Floor refset Ireland: Diagnosis (foundation metadata concept)	1277
ference	Adult oncology daycare nursing discharge reference set Ireland (foundation metadata concept)	107
ference	Antimicrobial stewardship Performance Indicator Measurement System (APIMS)Data Set for Ireland (foundation metadata concept)	201
ference	Breastcheck screening service reference set (foundation metadata concept)	833
ference	Childrens Health Ireland (CHI) Procedures Reference Set Ireland (foundation metadata concept)	46885
ference	Childrens Health Ireland Snomed Map To The National Institute For Cardiovascular Outcomes Research Refset Ireland (foundation metadata concept)	803
ference	Chronic Disease Management reference set Ireland (foundation metadata concept)	112
ference	Cork Kerry Community Healthcare Speech and Language Therapy Ireland (foundation metadata concept)	119

History of negative mammogram performed within last 12 months (situation)	History of negative mammogram performed within last 12 months	82981000119102
Mammography additional views (procedure)	Mammography additional views	155001000220104
Mammographic mass of bilateral breasts (finding)	Mammographic mass of bilateral breasts	15634351000119102
Subareolar position on mammogram (finding)	Subareolar position on mammogram	129784002
Reconstruction of breast using transverse rectus abdominis myocutaneous flap (procedure)	Reconstruction of breast using transverse rectus abdominis myocutaneous flap	426677002
Premenopausal state (finding)	Premenopausal state	22636003
American Joint Committee on Cancer pTis (qualifier value)	pTis	1228953005
Seen in breast clinic (finding)	Seen in breast clinic	185271006
Radiology breast cancer result class R2 - Benign (finding)	R2 - Benign	155251000220108
Fitting of external breast prosthesis (procedure)	Fitting of external breast prosthesis	735926002
History of cardiac surgery (situation)	H/O cardiac surgery	161625008

[SNOMED
Browser](#)





Vendor Specification Document

High Level Requirements

An overview of the fundamental principles governing integration of SNOMED within a system, along with its functionalities

Core Baseline Requirements

A collection of requirement statements suitable for inclusion in the functional specification of various SNOMED enabled systems

Compliance

Ensuring all specifications are met

Building on Core

A guide for formulating additional requirements specification to organization or project



Data Standards & SNOMED CT in Ireland 2025

Central Terminology Server

- Procurement complete Q1 2025 ensuring API access to all terminologies

Vendor Specification Document

- Developed in 2024, ensuring compliance with SNOMED CT

New 3 year strategy

- Aligning with Digital for Care/Data Strategy, Hib & EHDS

everything we've done so far is well ahead of last year





Data Dictionary & SNOMED CT in Ireland 2025

The HSE Data Model and Data Dictionary will aim to provide a central authoritative source for approved Information and Data and metadata standards, by providing unambiguous definitions and associated guidance.



2023/2024

- Governance Board
- Business Case
- Procurement Evaluation in Progress



2025

- Complete Procurement Q1/Q2 2025
- Workshops with key stakeholders for requirements



2025/2026

- Training
- Education
- Data Stewards
- Data Quality

[Link](#) Vendor Specification Document



Data Dictionary & SNOMED CT in Ireland 2025

This list sets out the specific data fields (OIPs) that HIDS (Health Identifiers) are permitted to receive / transfer in line with the HIDS Act 2014.

Data Elements in *Other Identifying Particulars (OIPs)*

Path name	Data Element	Definition	Data Type	Format
Surname	Patient: Surname, Text X[X(60)]	Patient Surname, represented as a text.	Char	Character
Sex	Patient: Sex, Sex Label X[X(7)]	Patient Sex, represented by a sex label. Valid values are M, Male, F, Female and U, Unknown.	Char	Character
Forename	Patient: Forename, Text X[X(30)]	Patient Forename, represented as a text	Char	Character
Middle Name	Patient: Middle Name, Text X[X(40)]	Patient's middle name(s), represented as a text. Each middle name needs to be separated by a space character.	Char	Character
Former Surname	Patient: Former Surname, Text X[X(60)]	Patient Surname, represented as a text.	Char	Character
Date of Birth	Patient: Date of Birth, Date DD-XXXX	Patient Date of Birth in date	Date	DD-MM-YYYY



Data Dictionary & SNOMED CT in Ireland 2025

Available languages: [English](#) [Gaeilge](#)

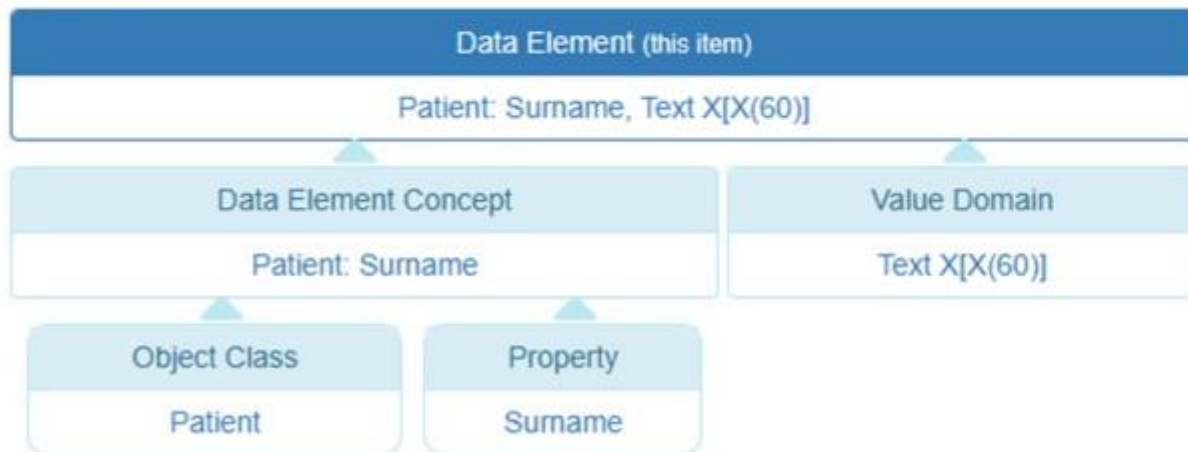
[Item](#) [Issues](#) [History](#) [Graphs](#) [Related](#)

[Bookmark](#) [Tags](#) [Actions](#) [Download](#)

Definition [?](#) [\[3\]](#)

Patient Surname, represented as a text.

Components



Representation

This representation is based on the value domain for this data element, more information is available at "[Text X\[X\(60\)\]](#)".

Patient: Surname, Text X[X(60)]

Type: [Data Element](#)
Identifiers: [UUID - 09b20bb0-7510-11ed-99b8-0a58a9feac02](#)
Stewardship Organisation: [HSE Stewardship Organisation](#)
Endorsed by:

- Not endorsed*

Last updated: 8 months ago By [S](#)
Created: 6th December 202_...
Supersedes:

- None*

Superseded by:

- None*

Collections:

- None*

Workgroup: [HSE Data Dictionary evaluation group](#)
Discussions: [Start a discussion about this item](#)



Breast Check Reference set

INITIATION

- Contacted the NRC 2022
- Understand the Requirements
- Agreement internally
- Obtain Project Sponsors

Process

- Utilise current *Data Dictionary* as basis
- Attend DSMP
- Training in SNOMED CT browser
- Create Excel with traffic light system
- Regular Meetings with NRC
- Use SNOMED BROWSER to obtain Matches
- Request missing SNOMED terms to be authored

Closing

- Provide References for new terms to be authored
- Clinical Sign-off
- Reference set published in Irish edition of SNOMED CT Browser April 2023
- Live in new Digital Solution 2024

1. Definition: The variables are not defined

Assessment Clinic Datasheet - View

NBSP ID: 12345 | Retrieve | Episode No: 1 | Select Datasheet: Assessment Clinic Datasheet | Close

Personal Details

Name: Mary Bloggs | Medical Record Numbers: Hospital: Generic Hospital, Medical Record Number: 12346

Address: 123 street avenue, Ireland | Date of Birth: 01/01/1935 | Maiden Name: | GP Name: |

Date of Mammogram: 01/01/1985 | Assessment Clinic Date: 31/01/1985 | Screening Centre: Generic Screen Centre | Lesion No: 2

Tissue Sampling

Lesion: Single Lesion Multiple Lesions | Localisation Technique: Ultrasound, Stereotactic - Upright, Stereotactic - Prone, Freehand, Tomosynthesis

Biopsy Technique: FNA, Core, Vacuum Assisted, Other | Specimen Mammogram: | Calcification Seen: | Associated Lymph Node Sampled: | Clip:

Tissue Sampling / Clinical Comments

Signed By: Radiologist

Definition: The variables are nicely defined

Tissue sampling

Anomaly: null - Asymmetry - RIGHT Upper Outer Quadrant - R3

Tissue Sampling: Yes No | FNA breast: | Specimen X-Ray:

Clip inserted: | Comments: | Axilla:

Core Breast: | Localisation datasheet: Localisation datasheet is missing. Add Localisation datasheet

Biopsy technique: Core | Localisation technique: Tomo prone

Signed By: Radiologist



Thank You