




# Welcome

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 Delivering  
**SNOMED CT**

SNOMED INTERNATIONAL  
SEPTEMBER 2022 BUSINESS MEETINGS  
SEPTEMBER 24-28, 2022 - LISBON, PORTUGAL

**Don Sweete**

CEO, SNOMED International

**SNOMED**  
International

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**SNOMED CT**



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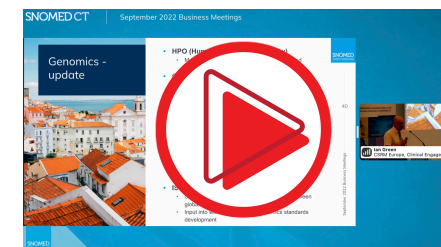
# COMMUNITY UPDATES

## SNOMED INTERNATIONAL

**2022 SEPTEMBER BUSINESS MEETINGS**

26 September 2022

**WATCH THE RECORDING**



# Community Updates

- 1 Products & Services:** Rory Davidson
- 2 Content Strategy & Roadmap:** Jim Case
- 3 Content & Mapping:** Monica Harry
- 4 Release Management:** Andrew Atkinson
- 5 Managed Service:** Terance Shird
- 6 Global Report:** Shelley Lipon
- 7 Collaboration:** Suzy Roy, Jane Millar
- 8 Vendor:** Nick Egarhos
- 9 Implementation Support:** Linda Bird
- 10 Education:** Liara Tutina
- 11 Clinical + Genomics:** Ian Green

CLICK HERE 



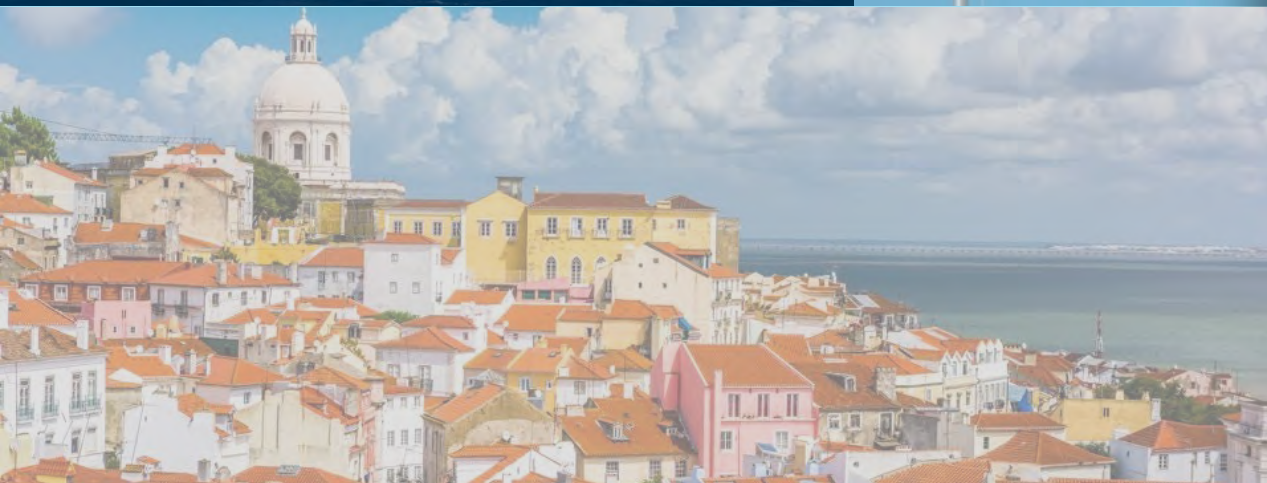


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Products & Services  
Rory Davidson

**2022 SEPTEMBER BUSINESS MEETINGS**

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	2016	2019	2022
<b>New Browser Users</b>	41,161	54,359	42,748
<b>Top Country Visits</b>	US, UK, Russia, Canada	US, India, UK, Sweden	US, Argentina, India, UK
<b>Most Viewed Concept</b>	106289002  Dentist (occupation)	372705002  Desipramine (substance)	61746007  Taking patient vital signs (procedure)
<b>Number of Members</b>	28	39	42
<b>Managed Service Members</b>	2	7	13
<b>Freshdesk Tickets</b>	744	527	768
<b>New Concepts</b>	2,591	4,411	8,041
 <b>MLDS Affiliates</b>	1,131	2,929	6,050



# Products & Services Scope

- Content
- Release Management
- Technical

- SNOMED CT Content
- Terminology Mapping
- Quality Assurance

- Strategic planning
- Content and Technology Analysis & Design
- Steering group



- Software Design,
- Software Development
- Software Testing
- Project Planning

- Release Planning
- Content Releases
- Software Releases

- Managed Service
- Infrastructure
- DevOps
- Support



# Strategic Achievements & Goals



## Wider Collaboration & Easier Access

Community Content

Collaborative  
Authoring & Content  
Promotion

Terminology as a  
service



## Content Domain Coverage & Quality Improvement

Genomics

Social Determinants  
of Health & Social  
Care

Procedures

*& much, much more*



## Technology Growth

Concrete Domains

Frequent Releases

Terminology Server  
Syndication

Mapping





# The Products & Services Team

Andrew  
Atkinson

Cathy  
Richardson

Chris  
Morris

Chris  
Swires

Darryn  
McGaw

Donna  
Morgan

Elaine  
Wooler

Elena  
Ilyukhina

Farzaneh  
Ashrafi

Jim  
Case

Joe  
Schofield

Krista  
Lilly

Lee  
Chapman

Maria  
Braithwaite

Mark  
Banks

Michael  
Chu

Monica  
Harry

Nicola  
Ingram

Paul  
Amos

Peter  
Duff

Peter G.  
Williams

Rory  
Davidson

Sonja  
Ulrich

Steve  
Archbold

Suzanne  
Santamaria

Terance  
Shird

Toni  
Morrison

Yongsheng  
Gao







# Thank You

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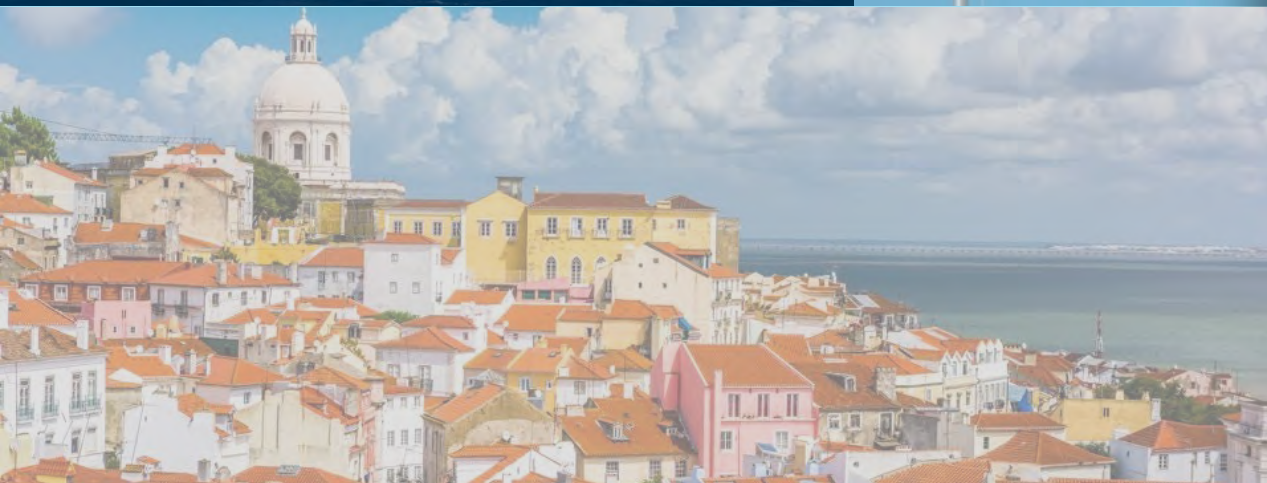


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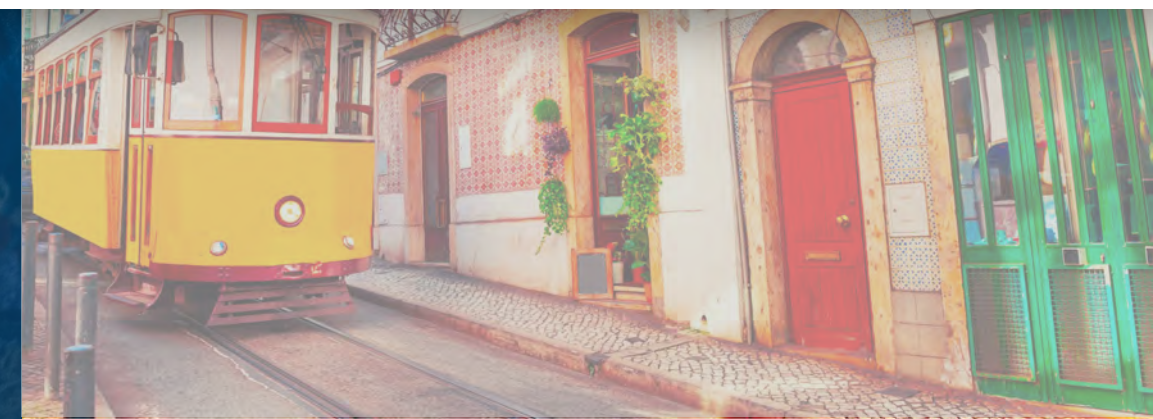
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## CONTENT STRATEGY AND ROADMAP

Jim Case - Chief Terminologist  
2022 SEPTEMBER BUSINESS MEETINGS

26 September 2022

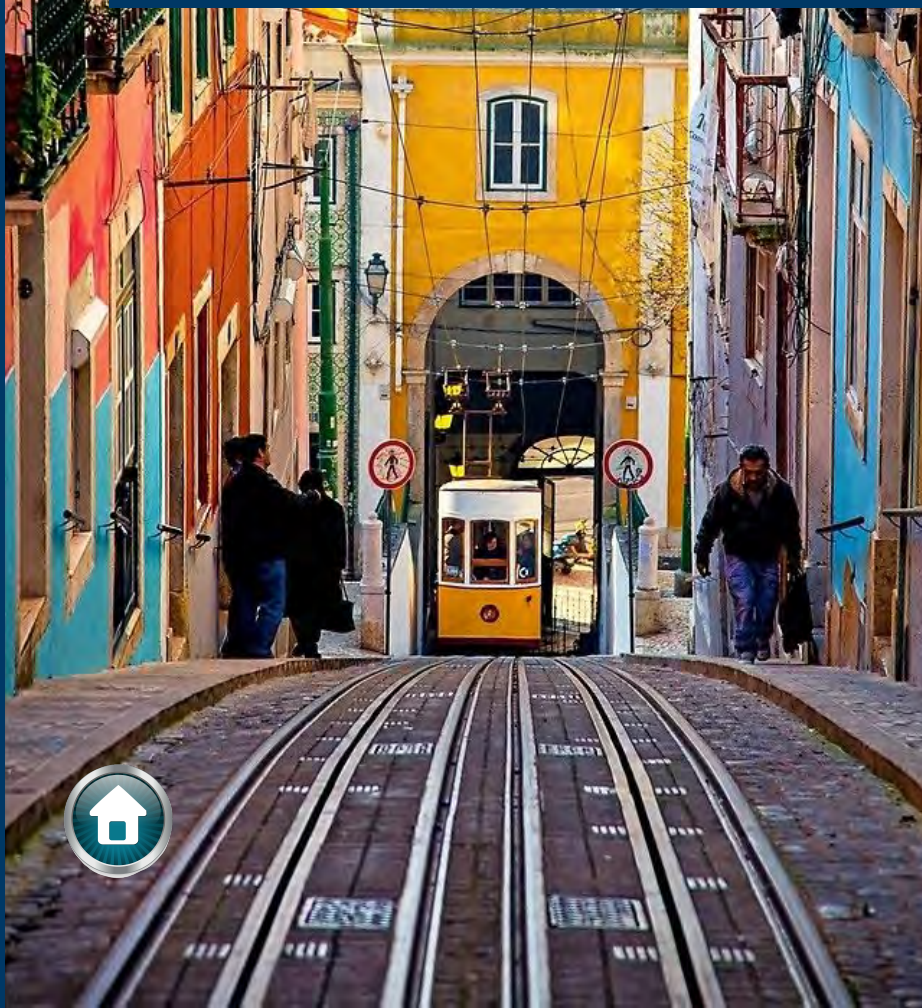




# Quality Improvement

For those of you who don't know...

- Begun in 2018, the QI initiative focuses on improving the structural consistency of SNOMED CT content
- Major objective in SNOMED International strategic plan
- While focus is on structure, improvement of clinical quality is performed where essential
- New process to streamline efforts in testing



# QI content areas addressed since April 2022

- Clinical findings updated
  - Lesions modeled as disorders
  - Malposition
  - Condition of amniotic fluid
  - Developmental disorders
  - Allergic disorders
  - Complications
- Procedures updated
  - Excision of cyst
  - Needle biopsy
  - Flap procedures
  - Injection of therapeutic agent
  - Plication
- In progress
  - Maternal and fetal disorders
  - Measurement findings
  - Poisonings and toxic effects
  - Morphological defects
  - ...and many more





# QI Statistics 2018 - 2022



Domain	Eligible concepts	Percent reviewed	Percent SD	Intermediate primitives	Number of templates in production
Clinical findings <sup>a</sup> (minus <<Disease)	35,429	15.3%	32.1% to 34.4%	3.5% to 2.8%	8
Disease	81,527	73.5%	55.1% to 66.8%	3.5% to 3.0%	49
Procedure <sup>b</sup>	58,829	9.4%	44.1% to 48.0%	2.1% - 2.3% <sup>c</sup>	14
Pharmaceutical / biologic product (product) <sup>d</sup>	25,349	~100%	75.8% to 97.5%	NA	1

<sup>a</sup>New concepts added since 2018 =13,392, 75.4% SD

<sup>b</sup>New concepts added since 2018 = 2,538, 60.4% SD

<sup>c</sup> Increase due to multiple changes to hierarchies

<sup>d</sup>New concepts added since 2018 = 13,826, 97.3% SD

# AJCC collaboration update completed

- AJCC tumor staging concepts not updated since 6th edition of staging manual
- Old content contained definitions that were out of date - AJCC objected
- Agreement signed April 2022
- Tumor staging clinical findings inactivated and replaced by new qualifier value hierarchy
- Released Aug 2022
  - Comprehensive set of allowable values, independent of AJCC manual edition now available





# Recent editorial decisions

- Inactivation of “X of subject (person)” concepts
- New inactivation reasons and historical associations
  - New inactivation reasons
    - Classification derived concept
    - Meaning of concept unknown
  - Historical associations
    - Partially equivalent to (combined disorders)
    - Alternative (when precise replacement not available)
    - Possibly replaced by (outdated concepts)
- Inactivation of concepts specifying “legal” or “illegal”
- Reorganization of “Neoplastic” morphologies and disorders
- Editorial policy on duplicate FSNs
- More discussed at EAG ...







# Thank You

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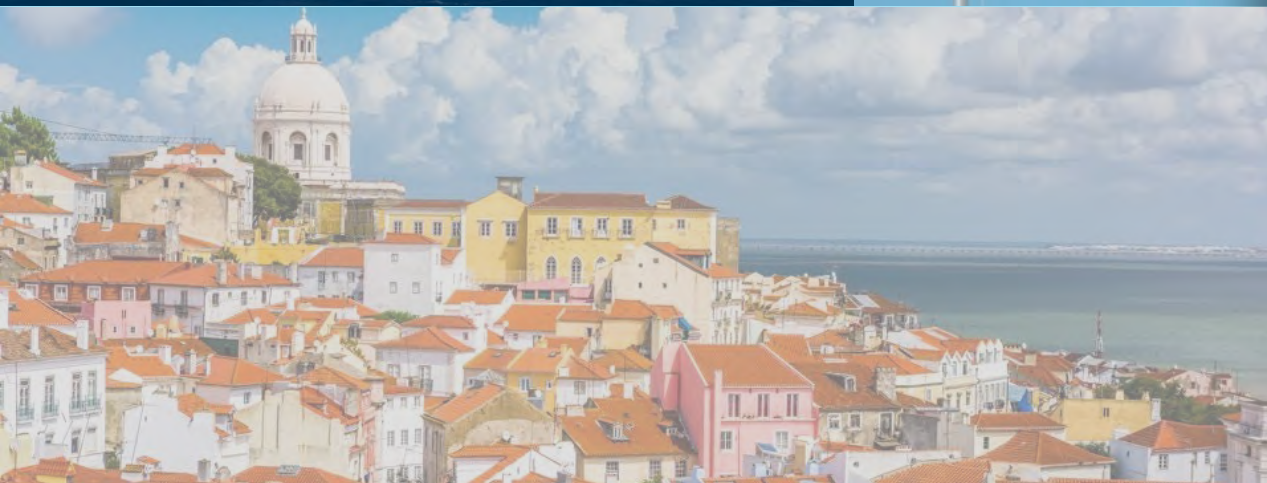


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## Content and Mapping Update Monica Harry

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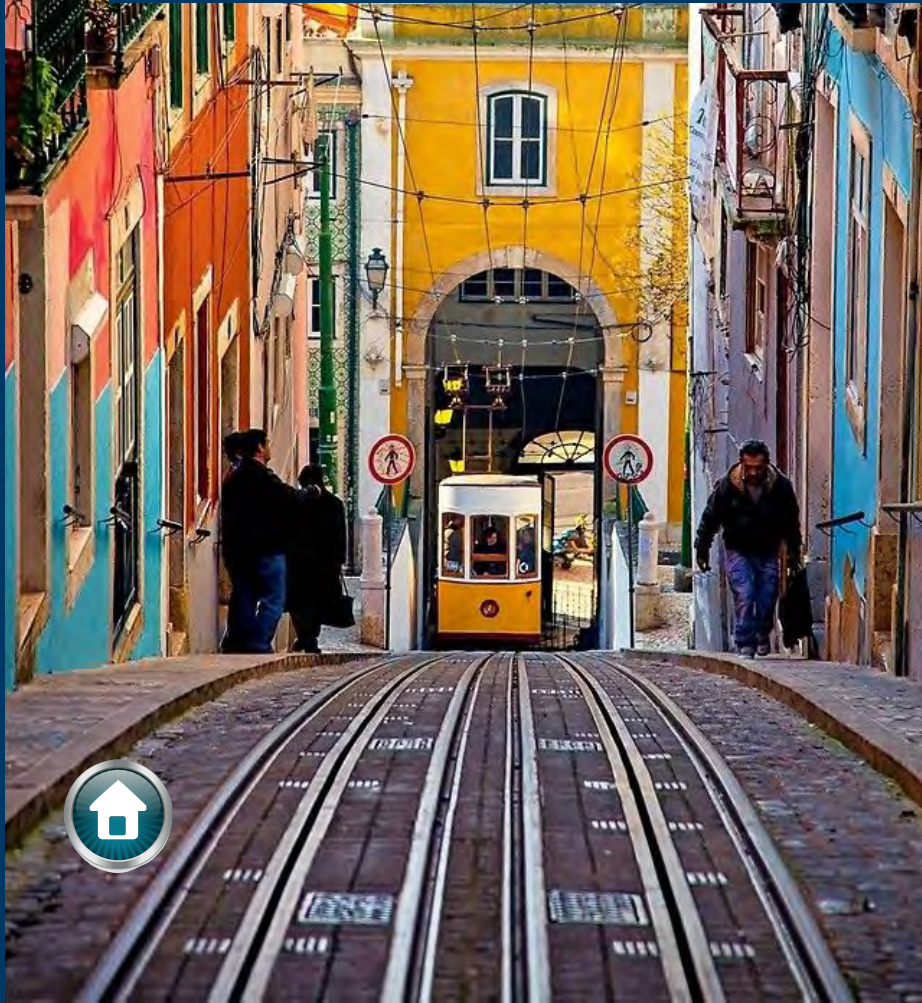




# External collaboration driven changes:

Mapping, mapping, mapping!  
Authoring results in the  
requirement to map all the  
following:

- CMT
- Dose forms
- Nursing
- Nutrition
- Epilepsy
- ICD-11
- Morphology - ICD-O





# Maintenance & Standards alignment :

Business as usual maintenance activities:

- Procedures - QI
- Tracker cleanup - e.g. complex issues requiring EAG input
- ICD-11 - new content
- Morphology - ICD-O 3.2 alignment
- Anatomy - foundational enhancements
- Refsets



# Member driven changes:

- Cancer synoptic
- Epilepsy
- Nutrition
- Organism
- Malignancy
- Social care







# Thank You





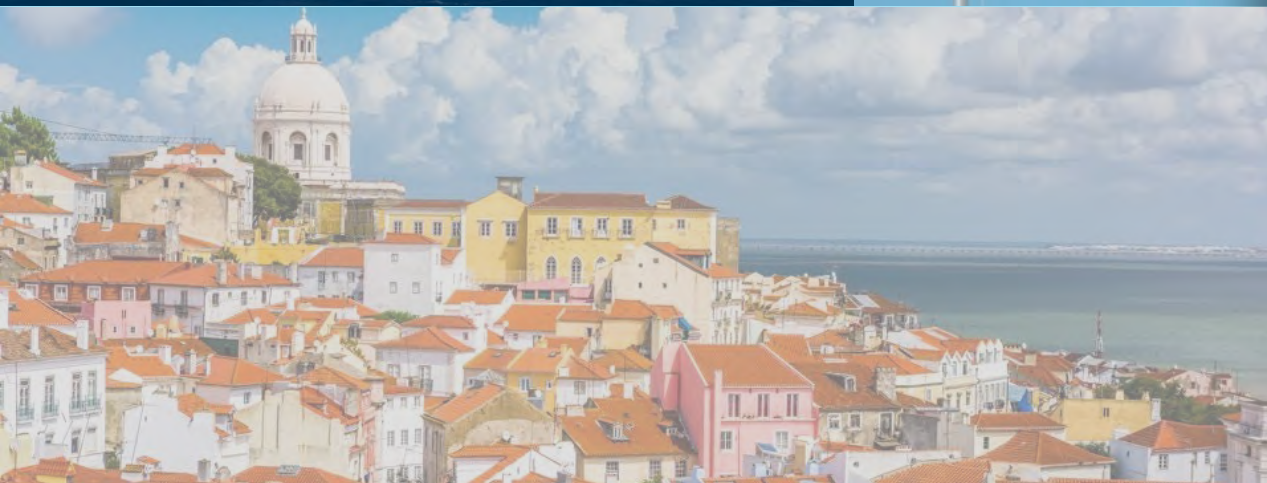


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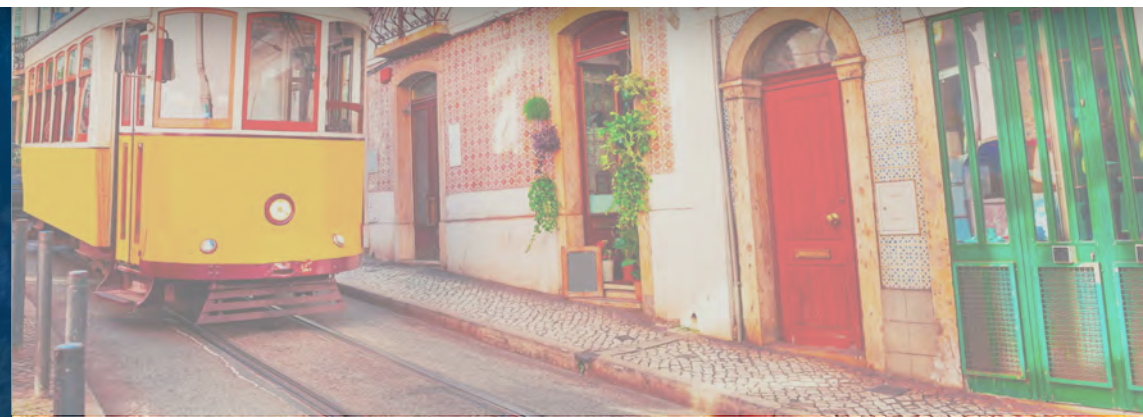


# Release Management

Andrew Atkinson

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26 September 2022





# New Product Releases

## International Edition Monthly Releases

1. Successful Monthly releases published each month since February 2022
2. Discussions underway this week to move Release Date to 1st of each month
3. If you'd like to help verifying releases, contact [support@snomed.org](mailto:support@snomed.org)

## MedDRA

1. SNOMED International have now refined their Map Reference Set product formats (see Release Management Blog for details)
2. The new 2022 MedDRA Release, based on these improvements, was released in May 2022.

## IPS Terminology

1. SNOMED International published a BETA Release package of the IPS sub-ontology in May 2022.
2. The first Production Release is targeted for Q4 2022, incorporating the feedback provided by the community based on the BETA release.



# International Edition updates

- The January 2022 International Edition was the final 6 monthly release, including the final Member Release.
- We have now successfully transitioned to a Monthly release schedule, with the first 7 Monthly releases published on schedule on the last day of every month from February 28th 2022 - August 31st 2022.
- *However, the proposal to move the Release date to the 1st of every month will be discussed in the TRAG meetings this week, so if you're interested in being involved then please come along.*
- The vast majority of users will not be impacted in any way by the changes, as they will continue to consume the International Edition every 6 months.
- For those who wish to benefit from more frequent releases, they are available on MLDS in the International Edition repository.
- Delta files have been removed from the release package.
  - *The Delta Generation Tool allows users to create their own Delta between two fixed release dates - it can be found here:*  
<https://github.com/IHTSDO/delta-generator-tool/releases>





# Terminology Release Advisory Group (TRAG)

**Monday 26th September 2022 (11:00) +  
Wednesday 28th September 2022 (09:00)**  
*(in person + remote conference call)*

1. A wide variety of agenda items will be covered, including:

- Frequent Delivery continual improvement
- The potential for updating inactive content
- Moving International Frequent Releases to the 1st of each month
- Metadata Working Group

2. Please feel free to read the minutes & post questions:

<https://confluence.ihtsdotools.org/pages/viewpage.action?pageId=150898713>

3. ***Observers are welcome as always, and we'd like to thank everyone dialling in remotely for their dedication in attending at some "interesting" times of day + night!***



# Proposal to move Release Dates to 1st

- Several practical issues with retaining last day of the month:
  - Multiple instances of concepts being promoted to INT Edition before being formally published
  - This introduces duplicates into Extensions, purely because of the clash of their effectiveTime with the current INT effectiveTime
  - Unnecessary validation overhead to change the date each month
- No way to extend automated validation to cover scenarios
- So unless valid business reasons not to change, this is a sensible proposal with no known downsides.







# Thank You

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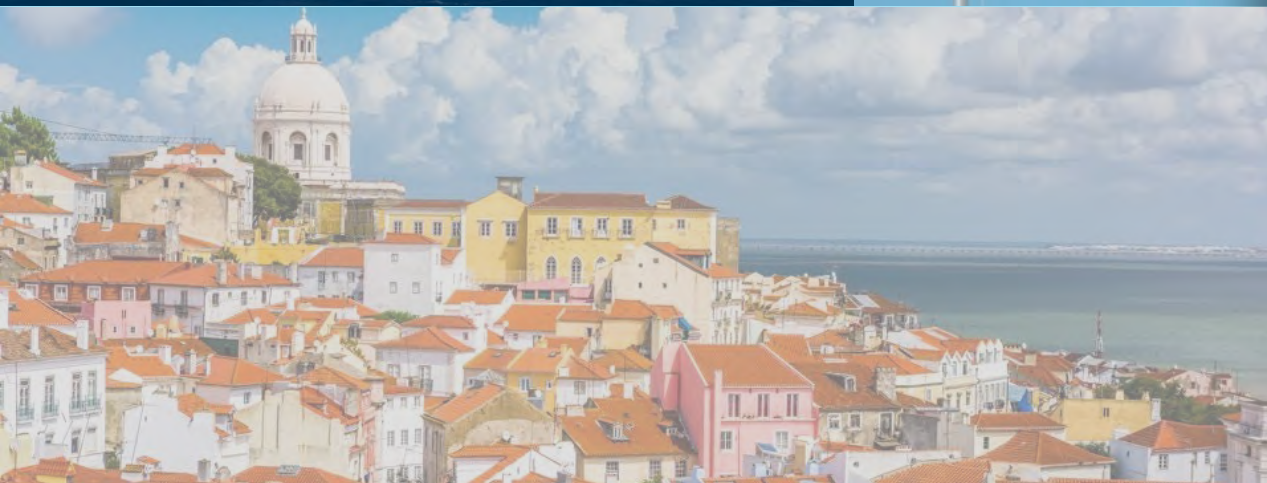


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## Technical Operations & Managed Service

Terance Shird

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26 September 2022





# Tooling Updates

- New Component Identifier Service
  - Refactored service now in full test
  - Plan for migration to Production later this year
- SNOMED Browser
  - QA Stats
  - ECL 2.0
  - Single character search support
  - Lookup Feature
- Authoring Platform (Snowstorm)
  - Code Systems Page
  - Validation Browser
  - Extension Promotion
  - Release Notes Management Service
  - International Release process now done in hours!!!
- New Refset Tooling
  - Publication feature now in UAT

**Demos of the above available in MS User Group**



# Technical Operations

- Configuration Management
  - Integration of Spring Cloud into Authoring Tool
  - Implementation of Hashicorp Consul
- Security Review
  - Implementation of Hashicorp Vault
  - AWS server security policy review completed
- Data Management & Storage
  - Review of S3 storage management
  - Achieved monthly savings of 50%
- Atlassian Review
  - Trello Review completed and significant savings achieved
  - Review of Confluence and JIRA continues
- Browser API Gateway
  - Proof of concept completed
  - Migration to Production being planned





# Managed Service

- Member Update
  - South Korea and Netherlands Onboarding
  - New Member onboarding suspended
  - Joining Fee suspended
- Frequent Releases
  - Monthly Upgrades available
  - General availability of Frequent Releases by end of Q4
- Tooling Updates
  - Support for Multiple FSN's
  - Bulk Upload improvements
  - Single Character support
  - Automation of upgrade process
  - Improvements to Context Refsets





# Thank You





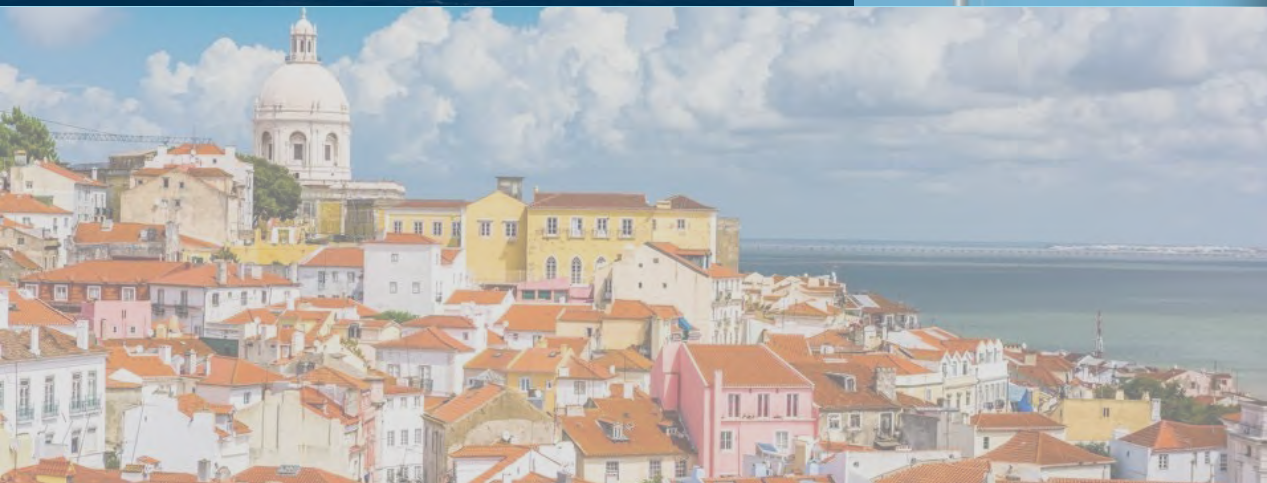


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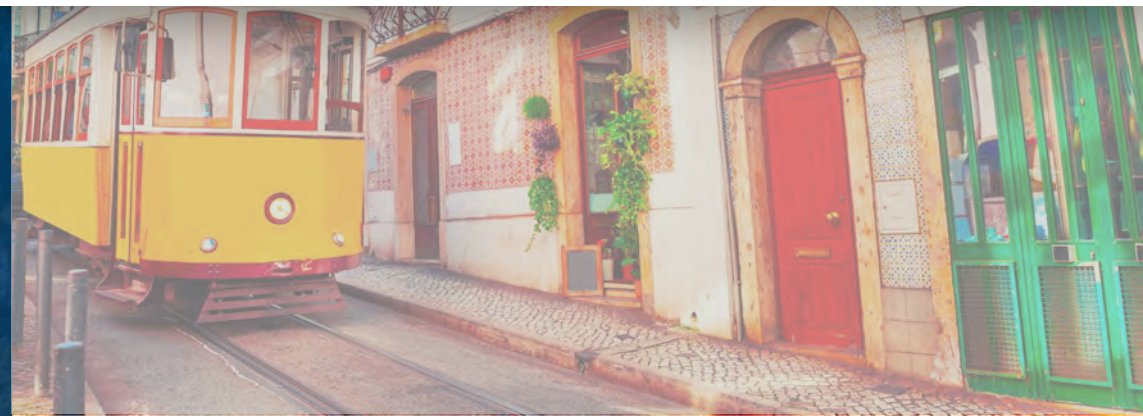
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## Global Report

2022 SEPTEMBER BUSINESS MEETINGS

26 September 2022





# EUROPE regional update

## EUROPE – regional update

- Belgium - finalising SNOMED implementation roadmap
- Germany - preparation for german extension development
- EU funding - phase 1 funding: 9 SNOMED member countries, 4 non-member
- European projects (SNOMED active involvement)
  - TEHDAS
  - ReCoDiD
  - x-eHealth
- France - preparation for membership, target date 2023
- Italy - finalising 2 year national pilot, focusing on cancer care





# AMERICAS – regional update

- Welcomed the Republic of El Salvador as our 43rd Member
- Continued support for US Core Data for Interoperability (USCDI) v3 inclusion of SNOMED CT
- Presented at the Association HealthTech webinar for México interoperability
- CEO and CCO attended and spoke at the Forum Salud Digital Latino America conference in México
- Continued discussions with Costa Rica, Colombia, and Jamaica Ministries of Health
- Set up Jamaica with development license for testing SNOMED CT within country



# ASIA & PACIFIC – regional update

- Collaborative project work underway with India on development of AYUSH sub-ontology
- Ongoing new member support to Korea and Thailand
- Engagement with partner organisation in China to promote SNOMED CT education and adoption
- Membership discussions underway with Republic of Indonesia and Kingdom of Tonga
- Support extended to Sri Lanka's Ministry of Health for SNOMED CT education
- Customer engagement and SNOMED International representation at Australia's eHealth Research Colloquium 2022





# MIDDLE EAST & AFRICA – regional update

- Regional Membership completed for Western Cape province, South Africa
  - 3 year Membership agreement, with the ability to migrate to a full country Membership at any time
- Discussions with Namibia, via the Namibia Institute of Pathology (NIP)
- Saudi Arabia - working to align core problem list for both public and private sector health facilities under direction from the Saudi Health Council
- UAE - Royal Health Group (hospitals, clinics, pharmacies), building new tech platform from scratch, providing guidance re: native SNOMED CT implementation



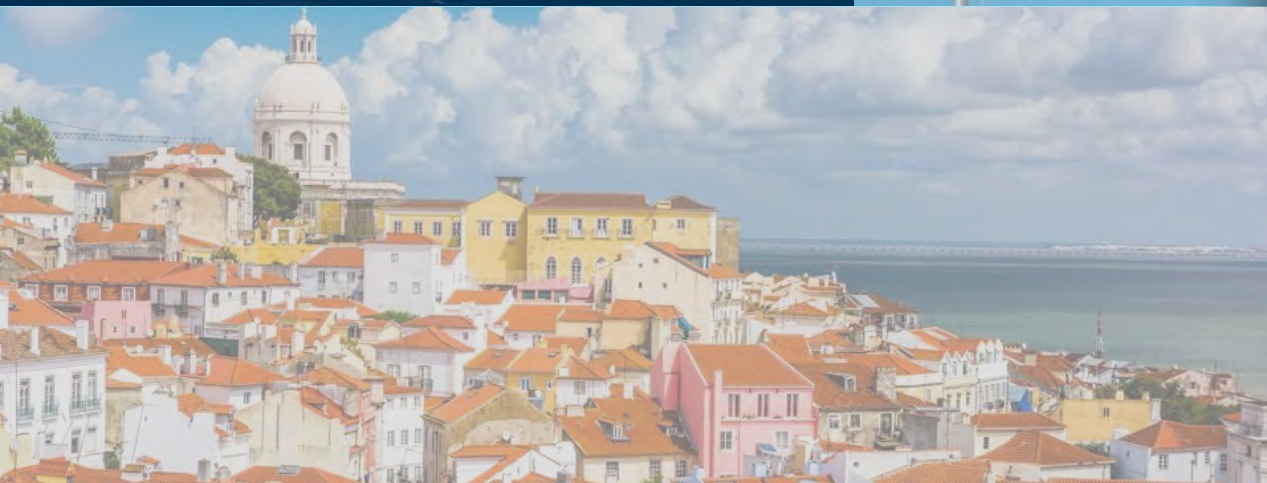


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## Clinical Engagement & Genomics

Ian Green

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26 September 2022





# Clinical Engagement (CE) update

- **Clinical Reference Groups and Project Groups**
  - Continued development and support of existing groups
  - Development of clinical implementation guides for allergies and cancer synoptic reporting
  - Developing 2 new CRGs - neurology and ophthalmology
- **Clinical leads**
  - Continued development of clinical leads group to support global CE
  - Developing the role of clinical leads, to support external outreach activities, and refining approach to development of clinical implementation guides
- **Clinical contact database**
  - Continued development of clinical contacts to support authoring team
- **Kidney Biopsy codes**
  - Finalising list of codes for addition to international release to support global kidney biopsy codes in EHRs and international registries
- **MIE 2022 (Nice)**
  - Successful presentation - “Practical use of SNOMED CT for analysing real world problems”



# Genomics - update

- **HPO (Human Phenotype Ontology)**
  - Map pilot completed, under review by HPO and SNOMED International
- **Orphanet**
  - Content creation and map development
- **MONDO**
  - Exploration of utilising gene-specific content from MONDO for addition to international release
- **Biobank and clinical registry related work**
  - Working with Catalan Cancer registry, list of cancer related content identified for addition to international release
- **GA4GH (Global Alliance for Genomics and Health)**
  - Ensure SNOMED perspective is included in development of GA4GH roadmap, through interaction with clinical/phenotype workstream
- **ISO TC215 SC1 (Genomics Informatics)**
  - Cross SDO work to ensure interoperability between global standards
  - Input into work plan for future genomics standards development



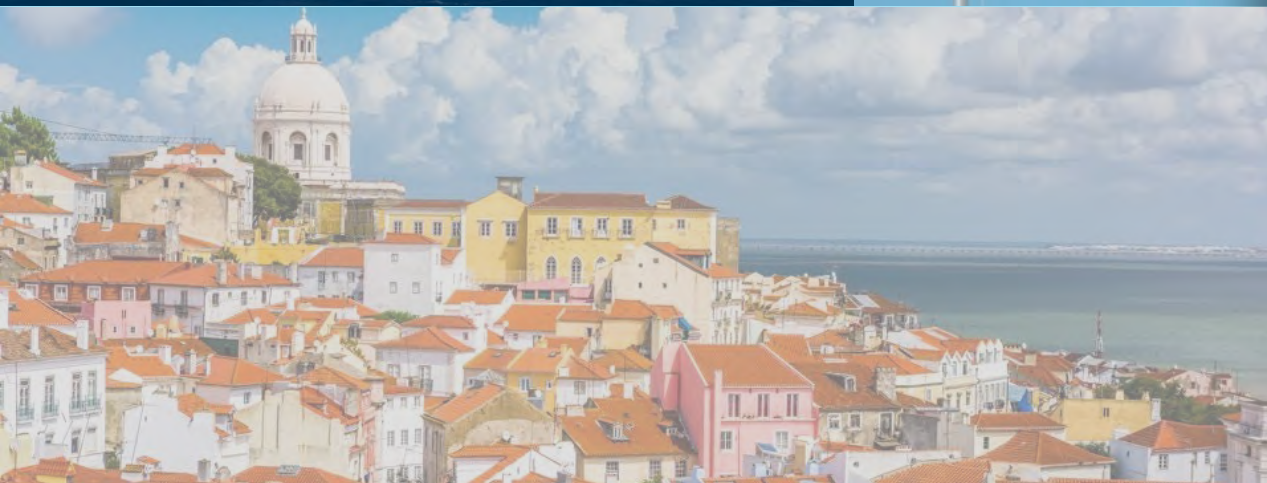


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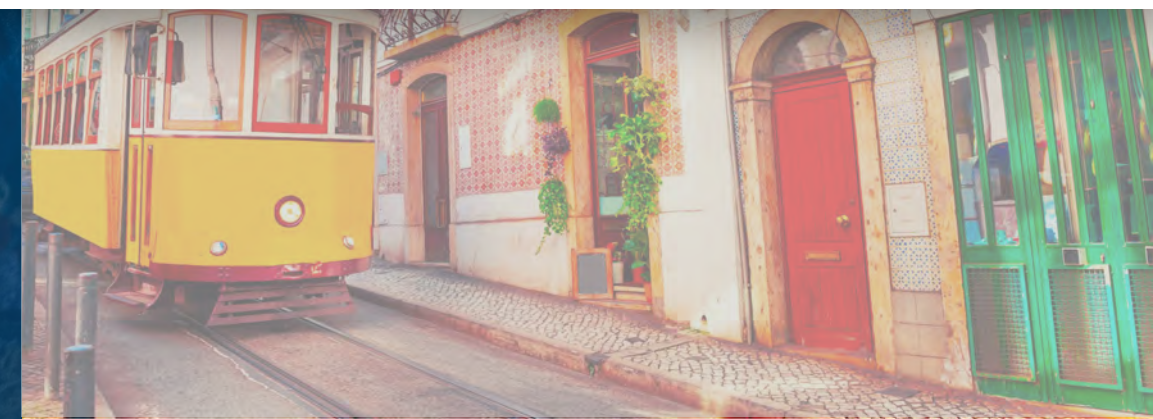
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## Research Engagement Suzy Roy

**2022 SEPTEMBER BUSINESS MEETINGS**

26 September 2022





# Research Engagement - update

- SNOMED Research Webinars
  - 2022 presenters from Harvard-Brigham & Women's, Gothenburg University, University of Arizona, and Medical University of Graz
  - Topics include: SNOMED CT data for public health analytics, deep dive into terminology bindings, use of machine learning and AI on unstructured documents, and reviewing the challenges and highlights of NLP techniques on EHR data
  - Always seeking new presenters!
- Collaborations of interest for research:
  - OHDSI - signed 5 year collaboration agreement for use of SNOMED CT in OHDSI products for research
  - HPO - working collaboratively on maps between SNOMED CT and HPO
  - INSERM - 75% of remaining rare disease content has been mapped and to be released in October 2022
- Launching a Confluence space for researchers seeking SNOMED CT information
- During Expo:
  - Introducing a NEW Expo stream - Advances in Research & Innovation!
  - Research-focused roundtable workshop





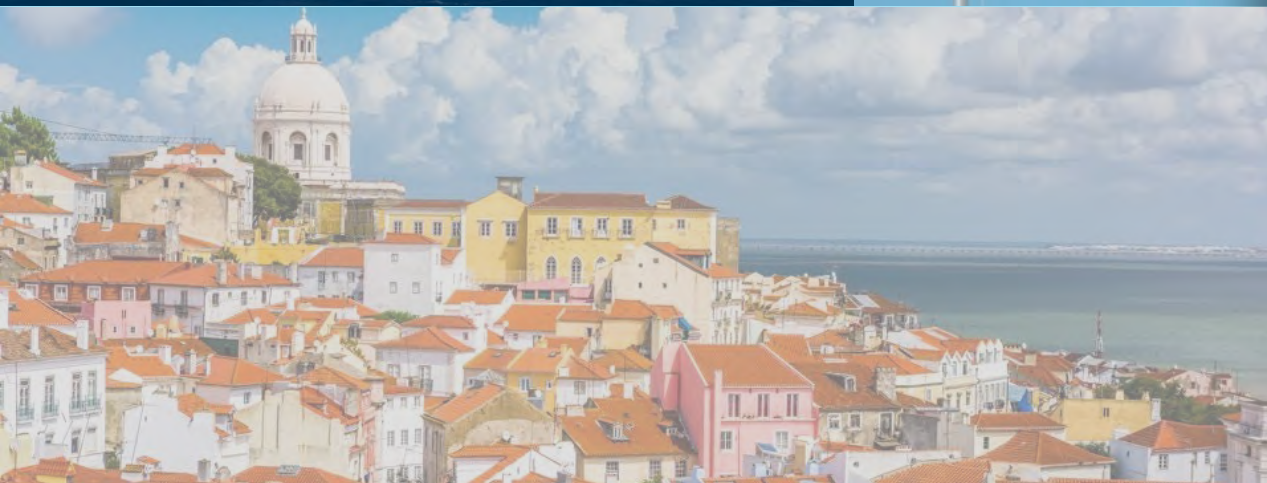


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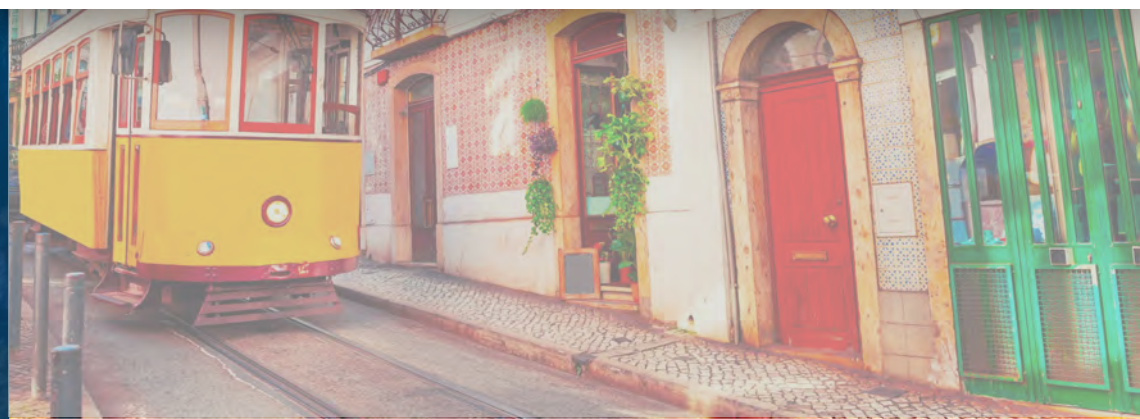
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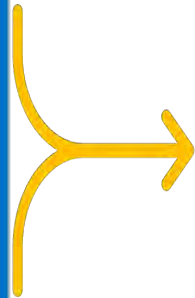
## Collaborations Update Suzy Roy & Jane Millar

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# Collaboration Framework



A phased approach for formalizing partnerships

Ensures alignment with Members, stakeholders, and organizational initiatives

Annual evaluations ensures projects, deliverables, and collaboration continue to progress well



# COLLABORATIONS SNOMED CT

The global  
language of  
healthcare



PROFESSIONAL  
CLINICAL  
BODIES



STANDARDS  
DEVELOPMENT  
ORGS



VENDORS



RESEARCH



EDUCATION

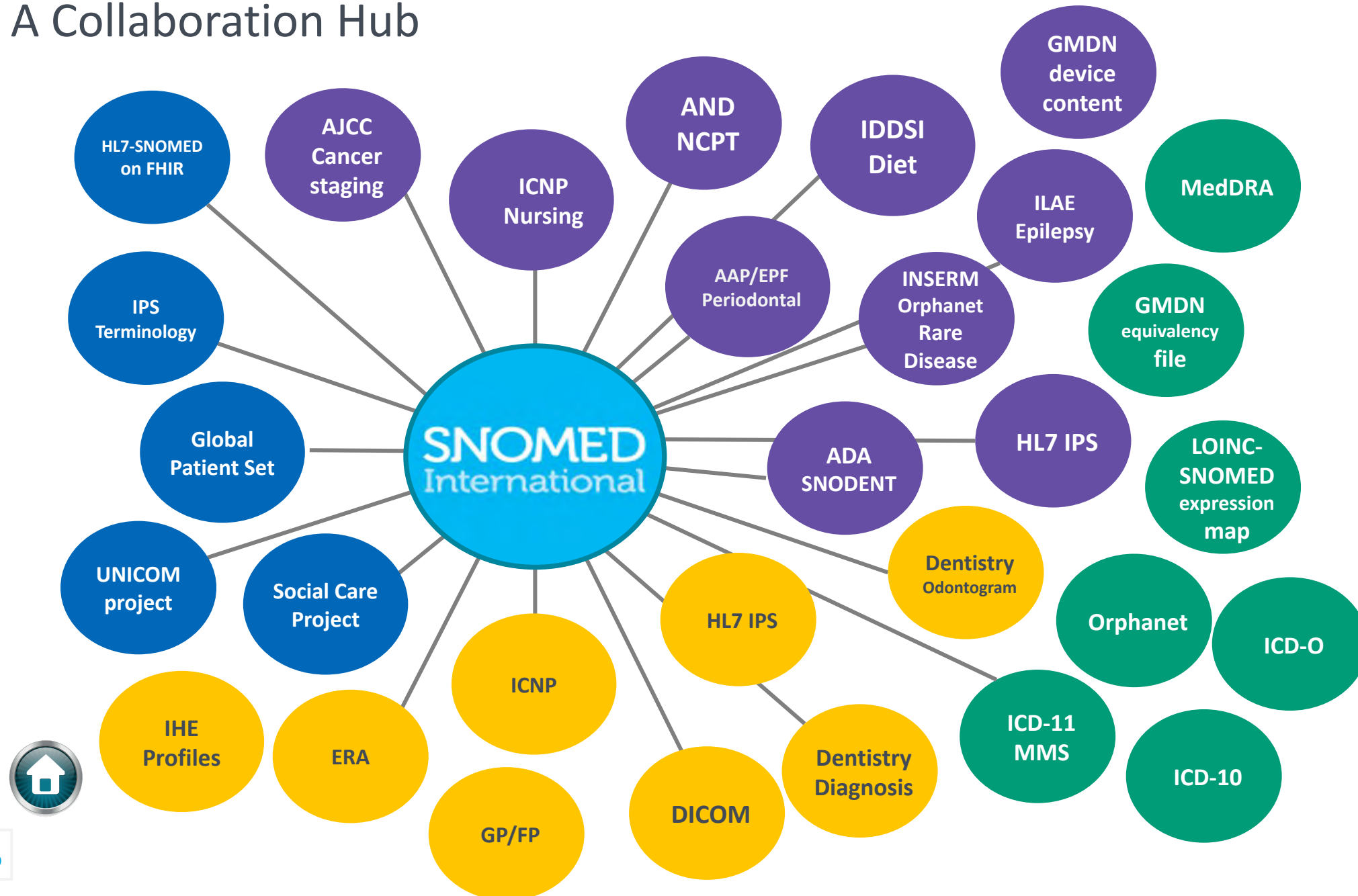


REGULATORS

*SNOMED International engages with a broad range of market leaders as part of our collaboration agreement landscape.*

*Each of these agreements result in different outcomes, deliverables and products that support achievement of our goals.*

# A Collaboration Hub



PRODUCTS OF SDO COLLABORATION

CONTENT

MAPS

REFSETS & FREESETS

PRODUCTS & SERVICES



# Collaborations

- **HPO**

- Collaboration agreement in process of final signing
- Collaboration work (maps) identified as a high risk and priority - hired independent contractor
  - Pilot maps (HPO to SNOMED CT and SNOMED CT to HPO) being reviewed
  - Final maps expected early 2023

- **OHDSI**

- 5 year Collaboration Agreement finalized
- Provides
- Supports genomic content and engagement with the research community
  - OHDSI seeks to showcase use of SNOMED CT for purposes of data analytics, supporting healthcare research and audit



# Collaborations

- International Patient Summary (IPS)
  - IPS Freeset
    - Continue to work with HL7 International on content needs for IPS for inclusion in the IPS Freeset (made available as a refset for Members)
    - IPS Freeset is also packaged into the Global Patient Set
    - IPS Freeset is the foundation for the IPS Terminology (see below)
  - IPS xSDO
    - SNOMED International continues to work closely with a number of SDOs (IHE, HL7, CEN, and others) on IPS
    - In early 2022, the xSDO team launched the new International Patient Summary website (<https://international-patient-summary.net/>)
  - IPS ISO
    - Involved in the TC215 work on the revision of IPS, with link to CEN
  - IPS Terminology
    - A SNOMED CT subontology based on the IPS Freeset
    - Made freely available via Creative Commons Attribution 4.0 International License
    - Beta released in spring with Production release scheduled for 30th November 2022
  - GDHP - Global Digital Health Partnership
    - Supporting GDHP (and G7) efforts for adoption and implementation of IPS





# Collaborations

- *AJCC - American Joint Committee on Cancer owned by American College of Surgeons*
  - License agreement for international use in SNOMED CT of an agreed set of allowable values for tumour staging
  - The inactivation of current AJCC tumour staging findings in SNOMED CT
- *ILAE - International League Against Epilepsy*
  - Agreement to incorporate into SNOMED CT relevant content from the ILAE classifications of epilepsies and epileptic seizures
  - Work progressing and being released as part of core
- *IDDSI - International Dysphagia Diet Standardisation Initiative*
  - Agreement to include the IDDSI framework into SNOMED CT - work complete
  - Linked to NCPT work (Nutrition Care Process Terminology)
- *ICN - International Council of Nurses*
  - 1st release of SNOMED CT ICNP refset, on behalf of ICN, October 2021 - based on ICNP 2019
  - 2nd release of SNOMED CT ICNP refset in October 2022 with additional content to support ICNP 2019
  - Work with ICN's ICNP Editorial Board on new content additions to ICNP for next release



# Collaborations

- Orphanet, owned by INSERM
  - Focused on Rare Disease, first release of SNOMED CT to Orphanet map, October 2021 for a priority set
  - Work on remaining 1000 rare diseases in Orphanet based on priorities from Netherlands and Ireland - 785 added to October 2022 release
  - Remainder October 2023 release
- EDQM
  - Agreement being signed
  - Map from EDQM standard dose forms to SNOMED CT - currently in review
  - Alpha release late 2022 and production release April 2023
- CEN
  - SNOMED International now a Liaison member of CEN TC 251, Health Informatics
  - Enables SNOMED International to input to development work in CEN which may impact Members but also where work will go across to ISO under the Vienna agreement e.g. IPS.





# Collaborations Pipeline (2022-2023)

ADA AAP/EFP - Periodontology* ACS (AJCC)* CEN* EDQM HPO IDDSI ILAE* NPU MITRE (VCI) OHDSI* PAHO	AND (NCPT) AMA DICOM ERA GA4GH HL7 International JIC ICH (MedDRA) ICN (ICNP) IHE INSERM (Orphanet) openEHR	GMDNA GS1 LOINC WHO WONCA	OMIM Social Care
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Agreements in  
Progress & Executed\*

Ongoing Partnerships

Agreement  
Renewals

Current & Upcoming  
Areas of Focus

# Collaboration Glossary

- **AAP/EFPP** - American Association of Periodontology & European Federation of Periodontology
- **ACS (AJCC)** - American College of Surgeons (American Joint Committee on Cancer)
- **ADA** - American Dental Association
- **AMA** - American Medical Association
- **AND (NCPT)** - Academy of Nutrition and Dietetics
- **CEN** - European Committee for Standardization
- **DICOM** - Digital Imaging and Communications in Medicine Standards Committee
- **EDQM** - European Directorate for the Quality of Medicines & HealthCare
- **ERA-EDTA** - European Renal Association - European Dialysis and Transplant Association
- **GA4GH** - Global Alliance for Genomics and Health
- **GDHP** - Global Digital Health Partnership
- **GP/FP** - General Practitioner/Family Practitioner
- **GMDNA** - Global Medical Device Nomenclature Agency
- **GS1** - GS1
- **HL7 International** - Health Level 7 International
- **HO** - Human Phenotype Ontology
- **ICH (MedDRA)** - International Council for Harmonization of Technical Requirements for Pharmaceuticals for Human Use
- **ICN (ICNP)** - International Council of Nurses (International Classification for Nursing Practice)
- **IDDSI** - International Dysphagia Diet Standardisation Initiative
- **IHE** - Integrating the Healthcare Enterprise
- **ILAE** - International League Against Epilepsy
- **INSERM** - Institut national de la santé et de la recherche médicales
- **IPS** - International Patient Summary
- **ISO** - International Organization for Standardization
- **JIC** - Joint Initiatives Council
- **NANDA** - NANDA-I
- **NPU** - Nomenclature for Properties and Units
- **OHDSI** - Observational Health Data Sciences and Informatics
- **OMIM** - Online Mendelian Inheritance in Man
- **PAHO** - Pan American Health Organization
- **UNICOM (project)**
- **VCI (MITRE)** - Vaccination Credential Initiative
- **WHO** - World Health Organization
- **WONCA** - World Organization of Family Doctors







# Thank You





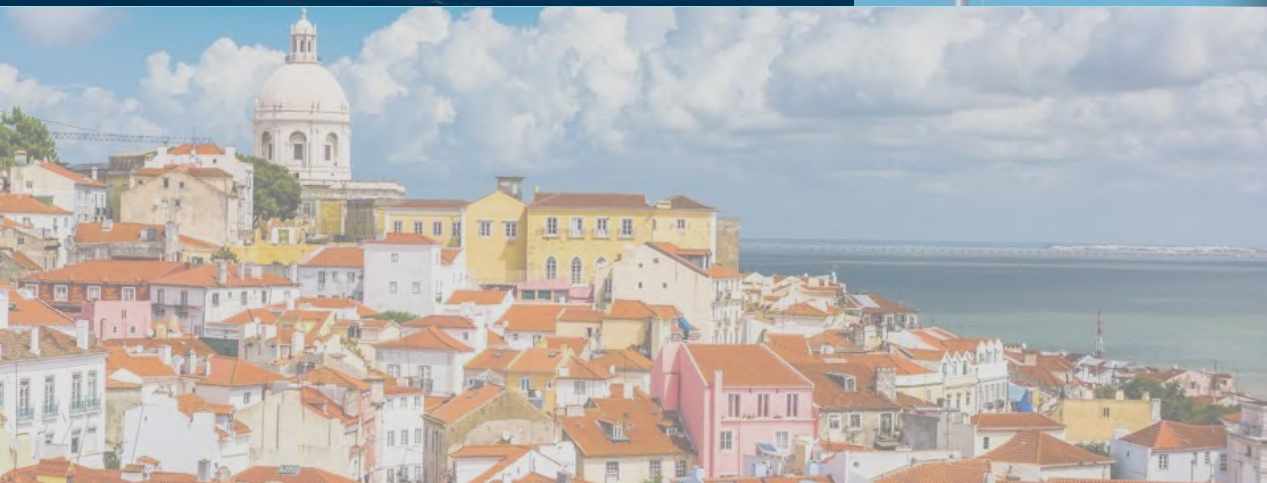


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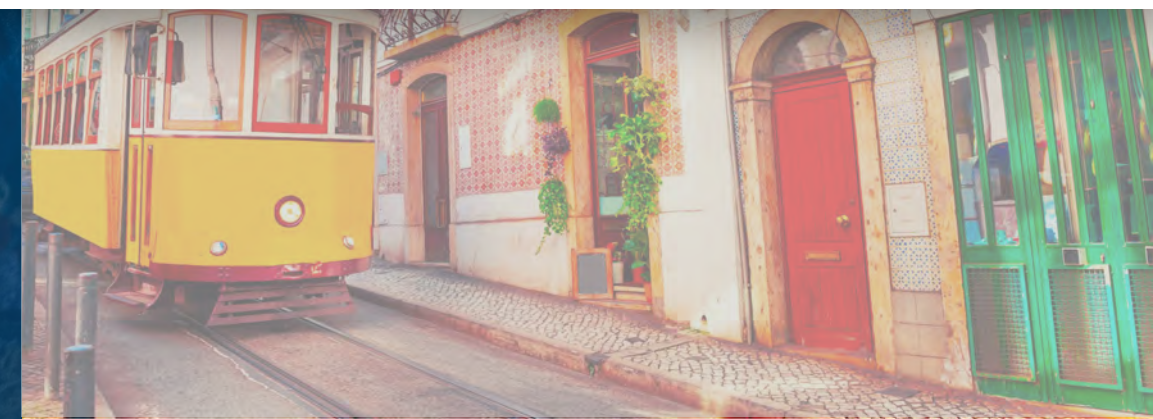
Lisbon, Portugal



## Vendor Engagement Nick Egarhos

**2022 SEPTEMBER BUSINESS MEETINGS**

26 September 2022





# Vendor Engagement

- Bahmni
  - Collaboration between SNOMED International and the Bahmni Coalition
  - Building native integration of SNOMED CT into their open source, free for use EMR built on OpenMRS framework
  - Implementation Team to engage directly with Bahmni development team
- Startup Engagement
  - Evolving and enhancing the vendor engagement strategy to include a focus on the health tech startup ecosystem
  - Building relationships with startup incubators to gain access to their portfolio companies
  - Goal is to educate health tech companies early about SNOMED CT and standards when it's easier to integrate
  - Provides these companies with additional value prop and competitive advantage



# Vendor Engagement

- Elsevier
  - Analytics pilot in UAE re: coding order sets and care planning from EHR's to match with Elsevier content, allowing for analytics on efficacy
- Mitre
  - Collaboration agreement completed with Mitre/VCI.org and now providing API access to COVID vaccine codes from all country extensions
- AMA
  - Creating a “challenge” competition for vendors / startups to perform a task that integrates the use of CPT and SNOMED CT
  - The challenge will ask participants to utilize clinical data coded using SNOMED CT, linked to CPT codes, to understand the clinical outcome and cost impacts of ordering patterns for specific diagnoses





# Vendor Engagement

- Johnson & Johnson
  - Negotiations on global license ongoing
- InterRAI
  - Pilot project proceeding with 3 use cases (interoperability, analytics, decision support)
- Royal Health Group
  - Hospital/Clinic group in UAE building new EMR system - beginning engagement
- SRIT
  - SRIT is the vendor that is implementing the new Qatar federal insurance system - will use SNOMED for coding clinical data
- Ponea Health
  - EMR company in Kenya, beginning work to implement SNOMED at hundreds of clinics
- Conferences remaining:
  - HIMSS Eurasia, HLTH





Thank You





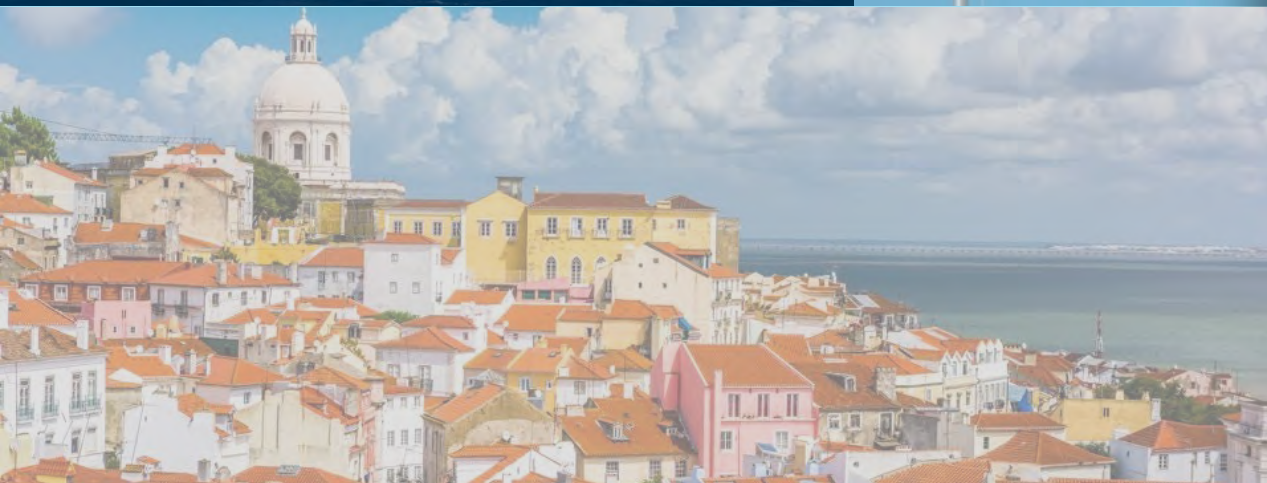


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## IMPLEMENTATION SUPPORT

Linda Bird

**2022 SEPTEMBER BUSINESS MEETINGS**

26 September 2022





# SNOMED CT Implementation Support

## Mission

*To assist Members, vendors and other implementers to achieve their SNOMED CT implementation goals, in a way that delivers the most value for them*

## Key Activities

- Implementation support services launched in 2022
  - Support implementation roadmap planning
  - Deliver implementation training & workshops
  - Advise implementation projects
  - Coordinate user groups
- Implementation resources development
  - Tools, guidance, and training materials

<http://snomed.org/support>





# Implementation Roadmap Generator

## Features

- Create roadmaps for the adoption of SNOMED CT by selecting options from the design menu
- Include background, vision, ehealth landscape, goals, clinical focus, roadmap steps, timeline, projects and closing remarks

The screenshot shows the 'SNOMED CT Implementation Roadmap Generator' web application. The interface is divided into two main sections: 'Select roadmap components' on the left and 'Roadmap planning diagrams' on the right.

**Select roadmap components:** This section contains a list of customizable fields for the roadmap, each with a dropdown menu, an edit icon, and a help icon. The fields include:
 

- Country name: Snomed-Land
- Background: Short
- Vision: Better health, Continuity of care, Better information
- Current eHealth landscape: Customized text
- Goals: Data exchange, Clinician support, Clinical research
- Clinical focus: Healthcare sectors, Clinical specialties, Clinical goals
- Roadmap steps: Onboard influencers / champions, Data models, Terminology binding, Tr...
- Implementation projects: Customized text

**Roadmap planning diagrams:** This section features a Gantt chart titled 'Roadmap planning diagrams'. The chart displays a timeline for 'Q3 of 2022' and 'September'. The Gantt chart includes several horizontal bars representing tasks:
 

- Data models
- Terminology binding
- Translation
- National release center
- National education an...
- Onboard influencers / ...
- Engage clinicians
- Engage software spec...
- Engage with the resea...

 The interface also includes buttons for 'File', 'Export', 'Diagrams', and 'Edit dates'. At the bottom right, there are buttons for 'Open Gantt' and 'Open Gantt as PNG new window'.

<http://snomed.org/imp-plan>

# Implementation Tooling

## New Tools & Features

- Snap2Snomed mapping tool
  - A collaborative tool for developing and maintaining maps to SNOMED CT
  - <https://snap.snomedtools.org>
- Snowstorm-X
  - A version of Snowstorm with the latest implementation features & enhancements
  - Includes the HL7 FHIR Terminology API
  - Supports SNOMED CT **and other code systems**
  - Fully **ECL v2.0 compliant** (v2.1 coming soon)
  - <https://github.com/IHTSDO/snowstorm-x>

<http://snomed.org/support>







# Thank You





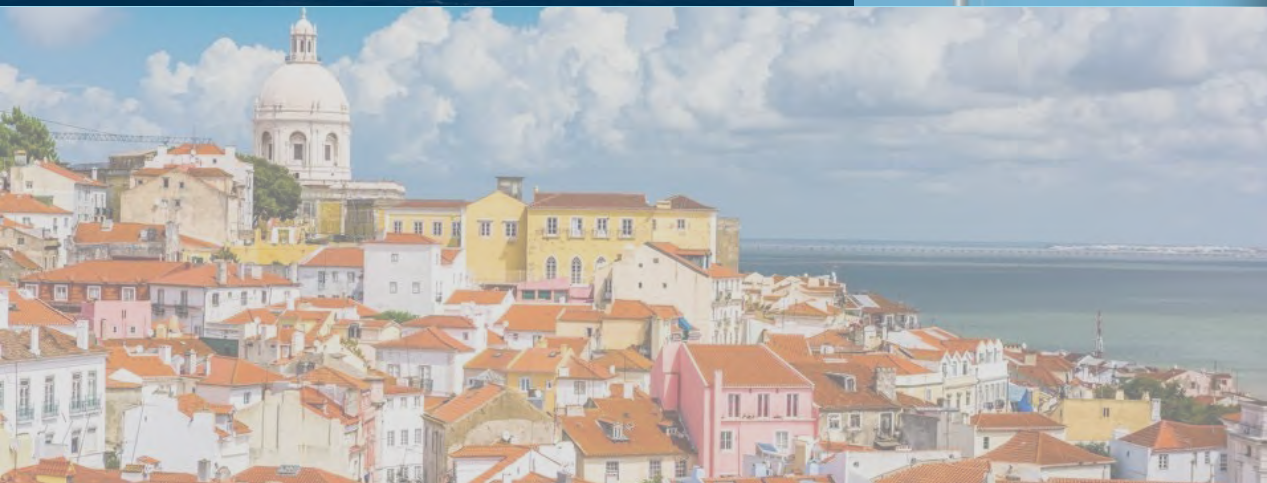


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## Education and Product Support Liara Tutina

**2022 SEPTEMBER BUSINESS MEETINGS**

26 September 2022





# Education projects

- SNOMED CT Foundation course upgrade project completed and new course launched
- Authoring Level 2 certification exam launched
- SNOMED CT Implementation course webinar updates underway
- Translation of the upgraded SNOMED CT Foundation course into Spanish underway



# SNOMED CT education offering

## COURSES

### FOUNDATION (English)

This course provides an introduction to a broad range of SNOMED CT related topics, including the why, what and how of SNOMED CT.

### IMPLEMENTATION

This course provides an in depth understanding of the SNOMED CT specific knowledge and skills required to implement a SNOMED CT enabled system.

### AUTHORING LEVEL 1

This course teaches you the knowledge and skills needed to perform basic SNOMED CT authoring tasks. It also prepares you for the SNOMED CT Authoring Level 1 Certification Exam.

### FOUNDATION (Spanish)

Este curso proporciona una introducción a un conjunto amplio de temas relacionados con SNOMED CT, incluyendo el por qué, el qué y el cómo de SNOMED CT.

### TERMINOLOGY SERVICES

This course teaches the principles of using a SNOMED CT terminology server to search and retrieve SNOMED CT content. No prior knowledge of SNOMED CT is required.

### AUTHORING LEVEL 2

This course helps experienced SNOMED CT authors to extend and develop their authoring skills to a more advanced level. It also prepares you for the SNOMED CT Authoring Level 2 Certification Exam.

## LEARNING PATHWAYS

SNOMED CT FOR CLINICIANS

SNOMED CT FOR DATA ANALYSTS

SNOMED CT FOR DEVELOPERS

## CERTIFICATION EXAMS



Authoring Level 1  
Certification

Authoring Level 2  
Certification

Terminology Services  
Certification



# Education Resources

- Course enrolments - <http://snomed.org/courses>
- Document library - <http://snomed.org/doc>
- Presentation library - <https://elearning.ihtsdotools.org/course>
- Other education resources - <http://snomed.org/education>





Enjoy today's  
business  
meetings!

