

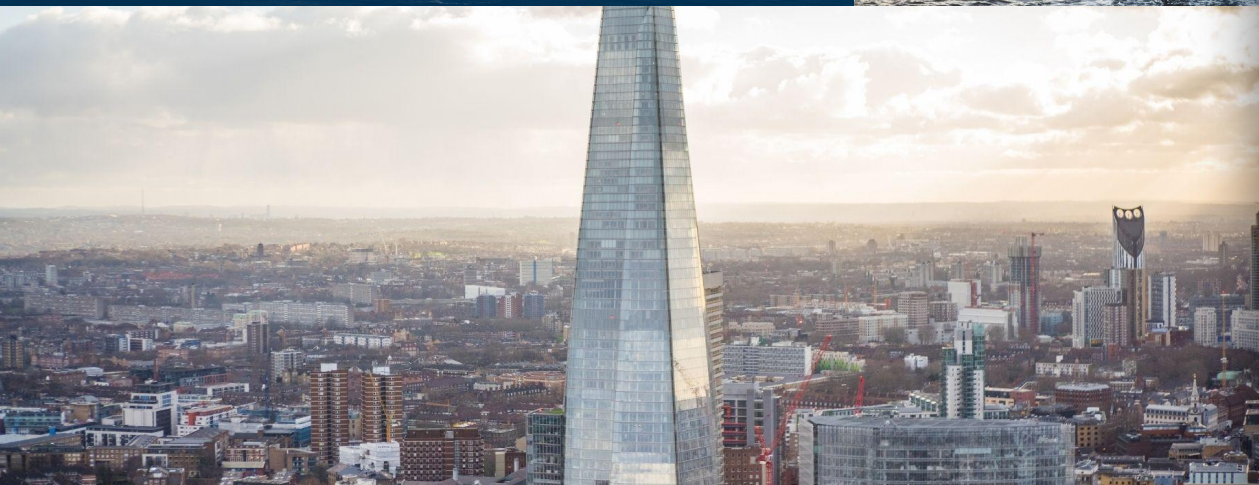


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April 2022



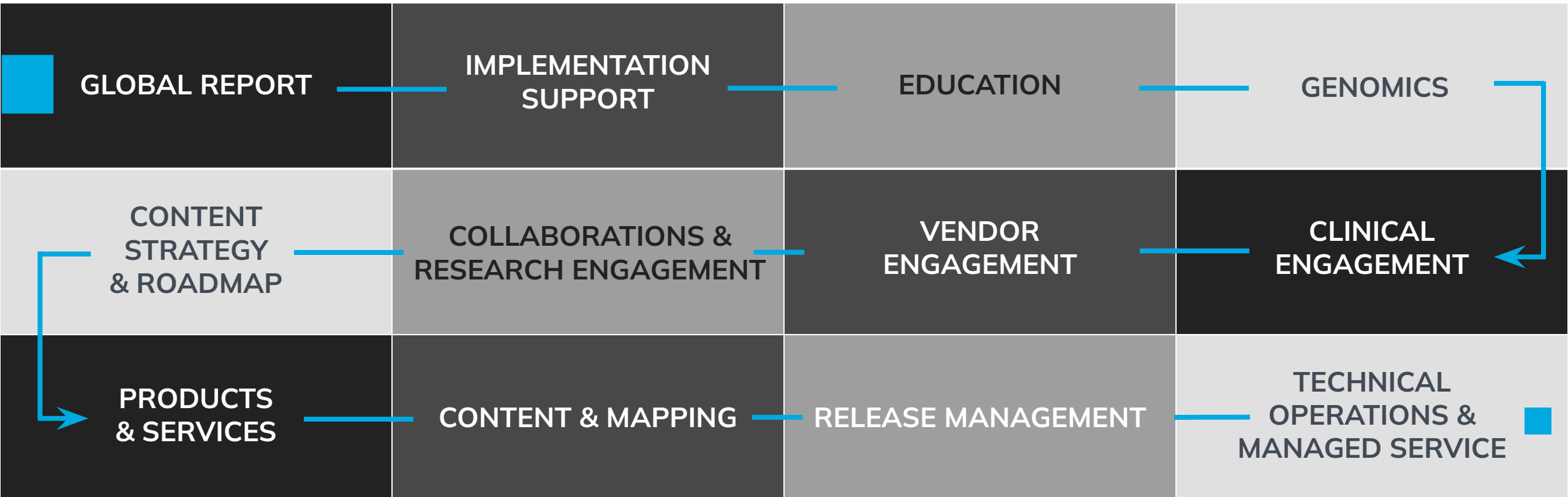
# SNOMED International Community Updates



snomedexpo.org | [linkedin.com/company/ihtsdoinc/](https://www.linkedin.com/company/ihtsdoinc/) | [twitter.com/snomedct](https://twitter.com/snomedct) | [youtube.com/c/ihtsdoinc](https://www.youtube.com/channel/UCiHtsdoorg)



# Community Updates Overview





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# Global Report

Shelley Lipon

Chief Customer Officer



# EUROPE – regional update

- **EU funding** - working with HADEA to maximise uptake of available funding for Members and non-Members
- SNOMED input into EU Projects - currently awaiting report publications
  - TEHDAS - European Health Dataspace
  - RECODID -Reconciliation of Cohort data in Infectious Diseases
- **MF EU group** - developing formal links with CEN (European Committee for Standardization)
- **SNOMED MIE 2020** presentation in May - “Practical use of SNOMED CT for analysing real world problems”
- **Future membership** - France, Croatia, Poland, working with Ministries to encourage membership

# AMERICAS – regional update

- Assisted Argentina with content updates related to new country-wide legislation changes
- Participated on a panel at the JIS Go Live conference with other NRCs (Argentina, Uruguay and Spain)
- Presented to the GDHP Interoperability Work Stream on SNOMED CT and IPS
- Submitted input to US initiatives (NCVHS and USCDI) for continued SNOMED CT inclusion and support
- Continued Membership discussions and guidance on SNOMED CT and standards use with non-Members:
  - Brazil, Costa Rica, Columbia, Ecuador, El Salvador, Jamaica
- Customer engagement and SNOMED International representation at HIMSS21 and HIMSS22

# ASIA & PACIFIC – regional update

- Thailand joined as a member country in January '22. New member onboarding completed with ongoing support underway.
- Ongoing support provided to Vietnam's SCT pilot project.
- Membership discussions initiated with Republic of Uzbekistan and Kingdom of Tonga.
- Ongoing support provided to Traditional Medicine content development project with collaborative input from India, Korea, Malaysia, China and Japan.
- Customer engagement and SNOMED Int representation at HIMSS21 APAC conference, ASEAN Future of Healthcare week Asia and SCT New Zealand Open Forum.



# MIDDLE EAST & AFRICA – regional update

- **UAE**
  - Ongoing support underway
  - MOHAP developing informatics career path for their employees, interested in enrolling staff in SNOMED education, then having us provide in-person developer training in November
  - Projects in Abu Dhabi and Dubai in flight, starting with immunizations
- **Saudi Arabia** initiating their national eHealth transformation project through the Sehati gov't agency, with SNOMED at its core
- **Jordan** - investigating using SNOMED for procedures across the country
- Customer engagement at the Arab Health conference in **Dubai**, and at HIMSS in Orlando
- Membership discussions initiated with **Qatar** - funding pursued through project to modernize gov't healthcare insurance





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# Implementation Support

Shelley Lipon

on behalf of Linda Bird





# Implementation Support

## Implementation Support Team

- Assists implementations of SNOMED CT for a range of stakeholders including NRCs, healthcare providers, research organizations and vendors
- SNOMED CT Implementation Support Portal <http://snomed.org/support>



# Snap2Snomed Mapping Tool

An online tool to collaboratively create and maintain simple maps to SNOMED CT

- Available to all implementers in Member regions at <https://snap.snomedtools.org>
- User guide at <http://snomed.org/s2sug>

The screenshot displays the Snap2SNOMED web application interface. At the top, there is a navigation bar with the Snap2 logo, the text 'Snap2SNOMED', and a user greeting 'Welcome, Linda'. Below this, a header section identifies the current mapping project as 'EDQM to SNOMED CT... Version: 1'. It provides details about the source ('EDQM (Mapped codes), Version 1'), target ('International Edition, 31 Jan 2022'), and scope ('< 385251000 |Conventional release endocervical gel (dose form)'). There are buttons for 'EDIT', 'EXPORT', 'IMPORT', 'VALIDATE', 'BULK EDIT', and 'TASKS'. A 'Select my task' dropdown menu is also present.

The main content area features a table with columns for Source index, Source code, Source label, Target code, Target label, Relationship, No map, Status, Flag, Last author/reviewer, Assigned author, and Assigned reviewer. The table lists 14 mappings, all with a status of 'DRAFT' and a flag of 'F'. The assigned author for all entries is 'LB'.

Source index	Source code	Source label	Target code	Target label	Relationship	No map	Status	Flag	Last author/reviewer	Assigned author	Assigned reviewer
<input type="checkbox"/>	1	10228000	Chewable tablet	66076007	Conventional release chewable tablet (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	2	10517000	Cutaneous powder	385112003	Conventional release cutaneous powder (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	3	10513000	Cutaneous solution	385108009	Conventional release cutaneous solution (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	4	10511000	Cutaneous spray, powder	385278003	Conventional release powder for cutaneous spray (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	5	10509000	Cutaneous spray, solution	385106008	Conventional release solution for cutaneous spray (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	6	10408000	Dental emulsion	385096003	Conventional release dental emulsion (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	7	10402000	Dental gel	385088008	Conventional release dental gel (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	8	50017000	Dental paste	763445009	Conventional release dental paste (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	9	10406000	Dental solution	385094000	Conventional release dental solution (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	10	10403000	Dental stick	385089000	Conventional release dental stick (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	11	10407000	Dental suspension	385095004	Conventional release dental suspension (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	12	10121000	Dispersible tablet	421366001	Tablet for conventional release oral suspension (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	13	10701000	Ear cream	385133007	Conventional release ear cream (dose form)	EQUIVALENT	DRAFT	F		LB	
<input type="checkbox"/>	14	10706000	Ear drops, emulsion	385138003	Conventional release emulsion for ear drops (dose form)	EQUIVALENT	DRAFT	F		LB	

# SNOMED CT Drug Extension User Group

*Provides implementers of SNOMED CT drug content with a forum through which they can share real world experiences, challenges and questions, with other stakeholders and SNOMED International*

- Meetings every four weeks
- DEUSG @ April business meeting  
Thursday 14th April at 10 UTC
- To register please visit <http://snomed.org/deusg>



# SNOMED CT ECL Query Language v2.0

*Introduces new features to support queries over patient records with inactive codes*

- Supports the filtering and selection of values from reference sets
- Supplements the query results with inactive concepts related via an historical association refset  
`<< 195967001 | Asthma | {{ + HISTORY }}`
- ECL v2.0 - available at <http://snomed.org/ecl>



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# Education & Product Support

Liara Tutina

Customer Relations Asia Pacific & Education Lead



A photograph of the Tower Bridge in London, viewed from the River Thames. The bridge's two massive stone towers are prominent, with the suspension cables and walkways visible. In the background, the modern London skyline is visible, including the Gherkin building. The sky is a mix of blue and white clouds.

# Education projects

- Authoring Level 2 course - pilot completed
- Authoring Level 2 certification exam - development underway
- SNOMED CT Implementation course upscaled intake - monthly enrollments launched
- SNOMED CT Foundation course upgrade – launch in Q2 2022

# *SNOMED CT courses*

**Foundation**  
(English & Spanish)

**Implementation**

**Terminology  
Services**

**Authoring  
Level 1**

**Authoring  
Level 2**

# *SNOMED CT pathways*

**SNOMED CT for  
Data Analysts**

**SNOMED CT for  
Developers**

**SNOMED CT for  
Clinicians**



# Education Partnerships

## *Partnerships*

- **University of Eastern Finland**
  - Foundation course delivery in Finnish
- **Hospital Italiano**
  - Foundation course delivery in Spanish
- **China Digital Health China Technologies**
  - Foundation course – translated into Chinese



# Learning Resources

- **Courses**

- To enroll, please visit our website: <http://snomed.org/courses>

- **Document Library**

- Available at: <http://snomed.org/doc>

- **Presentation Library**

- Available at: <https://elearning.ihtsdotools.org/course>

- **Other resources**

- Available at: <http://snomed.org/education>



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# SNOMED International Community Updates

## Genomics

Ian Green

Customer relations Lead (Europe) and  
Global Clinical Engagement Lead

# Current areas of development

- **HPO (Human Phenotype Ontology)**
  - Creation of a bidirectional map
- **Orphanet**
  - Content creation and map development
- **OMIM (Online Mendelian Inheritance of man)**
  - Content creation
- **Identification of a Biobank pilot**
  - Documented practical guide to using SNOMED CT in a biobank environment
- **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

# Planned activities for 2022

- **OMIM (Online Mendelian Inheritance of man)**
  - Development of an extension to SNOMED CT concept model to allow the recording of gene variants
  - Development of a pilot of authored content to be made available in community content area
  - Use case is to support the use of genetically defined diseases within the EHR, to support for example clinical geneticists
- **Identification of a Biobank pilot**
  - Identification of a biobank site currently using SNOMED CT to record patient data
  - Produce a practical guide to using SNOMED CT in a biobank environment
  - Leverage and document regional developments to link biobanks, using both SNOMED CT and FHIR to identify optimal approach
  - Document patient data collection flows into biobank environment leveraging REDCAP forms



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# SNOMED International Community Updates

## Clinical Engagement

Ian Green

Customer relations Lead (Europe) and  
Global Clinical Engagement Lead

# Clinical Engagement deliverables

## Clinical Reference Groups and Project Groups

- Increasing numbers of clinicians actively involved in SNOMED CT clinical groups

## Clinical leads

- Development of a network of leads for all CRGs and PGs

## Clinical contact database

- Development of contact list of clinicians who are willing to support the authoring activities of SNOMED CT

## Clinical presentation

- Karolinska Institute (Stockholm) - presentation to MSc Clinical Informatics students, focused on the use of SNOMED CT to support clinical analytics



# Clinical Engagement activities

## Clinical leads

- Developing an active network of clinical leaders who can support each other, and support SNOMED International
- Developing the role of clinical leads, to support external outreach activities
- Developing and supporting communication outreach for CRGs and PGs

## Updating the approach to presenting to clinicians

- Using a more data analytic approach in presentations to clinical groups, leveraging current educational materials produced by SNOMED International, and including actual use cases to reinforce points

## MIE (Medical informatic Europe - May, 2022)

- Scheduled workshop at conference in May, entitled “Practical use of SNOMED CT for analysing real world problems”, this will include the use of ECL functionality in the international browser and worked use case from Barts Health (UK) focused on the identification of VITT

# Clinical groups (CRGs and Project Groups)

Number of clinicians registered within clinical groups - 386

## Active clinical groups

CRGs - 7, Project groups - 6

(<https://confluence.ihtsdotools.org/display/CP/Directory+--+Clinical+Groups>)

## New clinical groups

- **Pathology and Laboratory Medicine**

This represents the relaunch of a group that has been inactive for 4 years. The group will also incorporate two additional working groups, which represent key areas of data usage within the pathology domain:

- Laboratory Data Management
- Surgical Pathology Workflow

- **Ophthalmology**

This group is currently being finalised with the identified clinical leads. The groups focus will be content, with an initial emphasis on glaucoma





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# SNOMED International Community Updates



## Vendor Engagement

Nick Egarhos

Vendor Engagement Lead and Customer  
Relations Executive, Middle East & Africa



# Vendor Engagement Highlights

- **3 conferences attended in the first quarter**
  - Arab Health
  - Vive
  - HIMSS
- **Engagements with large tech companies ongoing**
  - Apple
  - Google
  - Siemens
- **Vendor partnerships in key growth areas**
  - AI
  - Social Care
  - Pharma
  - Devices

# Vendor Engagement

- **Arab Health**
  - Massive attendance by vendors from across the Middle East and Europe primarily
  - Several meetings with our Members from the region
  - New engagement with vendors doing work in UAE and Saudi Arabia
- **Vive**
  - Significant focus on leading edge tech and startups
  - Part of our vendor strategy is to engage companies in their early stages of development and commercialisation to provide SNOMED CT education, and explain how clinical standards support data quality and interoperability, obtaining access to over 400 healthtech startups
  - Many vendors also focusing on patient engagement and social determinants of health
- **HIMSS**
  - Exhibitor booth with excellent location, staffed by Don, Duncan, Alison, Rory, Monica, Suzy and Nick. Excellent location with great foot traffic
  - Presentation at HIMSS with The Sovereignty Network, detailing our successful implementation of the Ejo Health app in Rwanda's Gasabo Health District. Significant interest shown in the data being collected by pharma companies
  - 12 scheduled vendor meetings, multiple ad hoc discussions

# Vendor Engagement - Large Technology Vendors

- **Google**

- Meeting with Kalyan Pamarthy, Product Manager Google Cloud Healthcare and Life Sciences
- They are interested in piloting several use cases where SNOMED could be used, including NCQA dashboard
- He is socializing the concept internally, will resume discussions in April

- **Apple**

- Completed data sharing agreement for patient friendly terms (PFT)
- PFT's will reside in the community content area
- PFT working group planning to meet again late April

- **Siemens**

- Want to extend their global license for AI Pathway Companion to additional products
- They are re-architecting their data model, which will include SNOMED CT at its core, to be leveraged across existing and new products

# Vendor Engagement - New Vendors and Opportunities

- **Babylon**
  - working on regional license for 7 countries (Indonesia, Philippines, Vietnam, Taiwan, Laos, Cambodia, Myanmar)
- **Elsevier**
  - scoping discussions re: pilot in UAE
- **Top Quadrant**
  - discussions re: using SNOMED for analytics against clinical data for pharma customers
- **NCQA**
  - scoping discussions re: pilot related to social determinants of health
- **Biofourmis**
  - clinical device manufacturer, interested in moving all device data to SNOMED CT
- **Juno Health**
  - new EHR that uses SNOMED CT, looking for beta implementation site
- **Mitre**
  - part of the VCI.org vaccine passport initiative, interested in using SNOMED CT for vaccine data, and potentially migrate app use to include portable personal electronic health record



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# SNOMED International Community Updates



## Collaborations Team

**Suzy Roy**

Customer Relations Lead  
Americas &  
Collaborations Specialist

**Jane Millar**

Collaboration Lead



# Collaboration & Partnership Highlights

- **World Health Organization (WHO)**
  - Pilot maps between ICD-11 foundation (endocrine chapter 5) and SNOMED CT has begun
- **International Patient Summary (IPS)**
  - xSDO partnership, GDHP
- **EDQM**
  - EDQM to SNOMED CT map for dose forms
- **ICN**
  - Production of ICNP on behalf of ICN
- **NPU**
  - Principles for collaboration are being finalized
- **PAHO**
  - Principles for partnership in discussion
- **American College of Surgeons & American Joint Committee on Cancer (AJCC)**
  - Agreement being finalized

# Collaborations 2022 Pipeline

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

**Continuing Partnerships**

**Agreement Renewals**

**Current & Upcoming Areas of Focus**



# Products from Partnerships

## Content Improvement & Additions

- AND NCPT content
- Epilepsy content
- Essentials Medicines List content
- ICNP nursing content
- Periodontal content
- Social Care content

## Refsets & Freesets

- DICOM
- Dentistry Diagnoses
- Dentistry Odontogram
- ERA-EDTA
- GP/FP
- HL7 International IPS
- ICNP 2019 (Oct 2021)
- IHE Profiles
- Nursing \*deprecation\*

## Maps

- GMDN equivalency file
- ICD-10 and ICD-11 MMS
- LOINC - SNOMED expression map
- MedDRA maps
- INSERM (Orphanet)
- SNOMED - ICD-11 foundation map (pilot)

## Other Products & Initiatives

- HL7 - SNOMED on FHIR
- IPS Terminology (sub-ontology)
- Global Patient Set (GPS)
- Translated Education Products
- UNICOM project deliverables

## Pipeline Products

- HPO maps
- EDQM map
- NANDA-I content

# Collaboration & Partnerships 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
- **CDISC** - Clinical Data Interchange Standards Consortium
- **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
- **GMDNA** - Global Medical Device Nomenclature Agency
- **GS1** - GS1
- **HL7 International** - Health Level 7 International
- **HPO** - 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
- **IPS** - International Patient Summary
- **ISO** - International Organization for Standardization
- **JIC** - Joint Initiatives Council
- **NANDA** - NANDA-I
- **NPU** - Nomenclature for Properties and Units
- **OBO** - Open Biological and Biomedical Ontologies Foundry
- **OHDSI** - Observational Health Data Sciences and Informatics
- **PAHO** - Pan American Health Organization
- **UCUM** - Unified Code for Units of Measure
- **UNICOM (project)**
- **WHO** - World Health Organization
- **WONCA** - World Organization of Family Doctors



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# SNOMED International Community Updates

## Research Engagement

Suzy Roy

Customer Relations Lead  
Americas &  
Collaborations Specialist



# RESEARCH ENGAGEMENT *update*

- Updated the Research Engagement strategy
  - Refined in 2020 and again in 2021 due to ongoing global pandemic
- SNOMED CT Research Webinars
  - Established in 2020 (848 registered/475 attended) and continued to gain in popularity through 2021 (906 registered/540 attended)
- Research Reference Group grew in 2021 (91 individuals)
- Engagement (including research license waivers and SNOMED CT technical specification discussions) continued with individual researchers and organizations in Member and non-Member territories
  - Examples: Federal Institute of Cear (IFCE), National Center for Advancing Translational Sciences (NCATS), Safe Surgery South Africa, Suramericana,
- Determined research organizations for partnership and executing within Collaboration Framework
- 2022 Goals:
  - Launch a Confluence space for researchers
  - New Expo stream focused on SNOMED CT research
  - Even more global representation of presenters at the Research Webinars





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# SNOMED International Community Updates

## Content strategy and roadmap

James T. Case DVM, PhD, FACMI

Chief Terminologist



# Quality improvement

## Quality is Job #1

Begun in 2018, the Quality Improvement initiative has focused on improving the structural consistency of SNOMED CT content

Major objective in SNOMED International strategic plan

Increased use of SNOMED CT in AI and CDS applications requires consistent, high-quality modeling

# Areas revised since October 2021

## Clinical findings and disorders

- Concepts related to tooth/teeth
- Mechanical lesions
- Displacement disorders
- 7 areas under review

## Procedures - new emphasis

- Arthroscopy (procedure)
- Osteotomy (procedure)
- Bone graft (procedure)
- Computed tomography (procedure)
- Periodontitis (disorder)
- Arthrotomy (procedure)
- Chemodenervation (procedure)
- 9 procedure types under review



# QI Statistics 2018 - 2022

Domain	Eligible concepts	Percent content reviewed <sup>§</sup>	Percent SD	Intermediate primitives	Number of templates in production
Clinical findings* (minus <<Disease)	36,600	14%	26.7% to 33.4%	3.5% to 2.8%	4
Disease	80,276	73%	55.1% to 65.6%	3.5% to 3.1%	48
Procedure**	58,242	4.5%	44.1% to 46.5%	2.1% - 2.3%	12
Pharmaceutical / biologic product (product)	15,505	>95%	75.8% to 97.4%	NA	0

\*New concepts added since 2018 =12,283, 72.4% SD

\*\* New concepts added since 2018 = 1,853, 55.2% SD

§ Low estimates based on reported domain areas



# Collaborative editing

## Requirements for external editors

To enable access to additional content editing capacity, SNOMED International has approved a requirements document for external editors

# External editor policy details

Policy includes:

- Eligibility criteria
- Educational requirements
- Required knowledge, skills, and abilities
- Continuing education and recertification
- Work project approval process
- External editor responsibilities
- SNOMED responsibilities
- Approved editorial functions
- Success criteria
- Feedback process

Document posted in the Guides section of the SNOMED Documentation Library:

<https://confluence.ihtsdotools.org/display/DOC/Guides>



## Content collaboration

# Collaborative agreement with American Joint Committee on Cancer (AJCC)

SNOMED International has entered into an agreement with AJCC to add a comprehensive list of cancer “allowable values” to SNOMED CT.

Existing obsolete AJCC related findings will be inactivated and replaced by a current list of qualifier values.

Definitions for these values for each tissue type must be obtained from AJCC.

## Social care

# Survey of Members related to Social Care

- The meaning and scope of “Social care” differs from country to country
- Social care services are divided between health care and social services systems.
- Increased interest in collecting social care data by members
  - Most are just beginning

# Social care priorities

- services for older people including home care/support, long term care and palliative care
- services for people with mental health problems
- services for people with alcohol and substance misuse problems
- SNOMED International, in conjunction with the HL7 Gravity Project, is updating and enhancing Social Determinants of Health content
- Additional gaps in Social care priority areas being identified





# LOINC Expression Set

## Post coordinated expressions representing LOINC terms

- First published in 2017
- Represented over 20,000 LOINC terms as SNOMED expressions
- Project to update and expand the set based on latest versions of LOINC and SNOMED

# LOINC expression set details

- Updated to reflect LOINC version 2.71 (Aug 2021)
- Attributes and attribute values updated to current SNOMED CT International release
- Current active expressions - 21,777
  - Sufficiently defined - 19,473
  - Primitive - 2,304
- New terms added since 2017 - 549
- Expressions inactivated - 689



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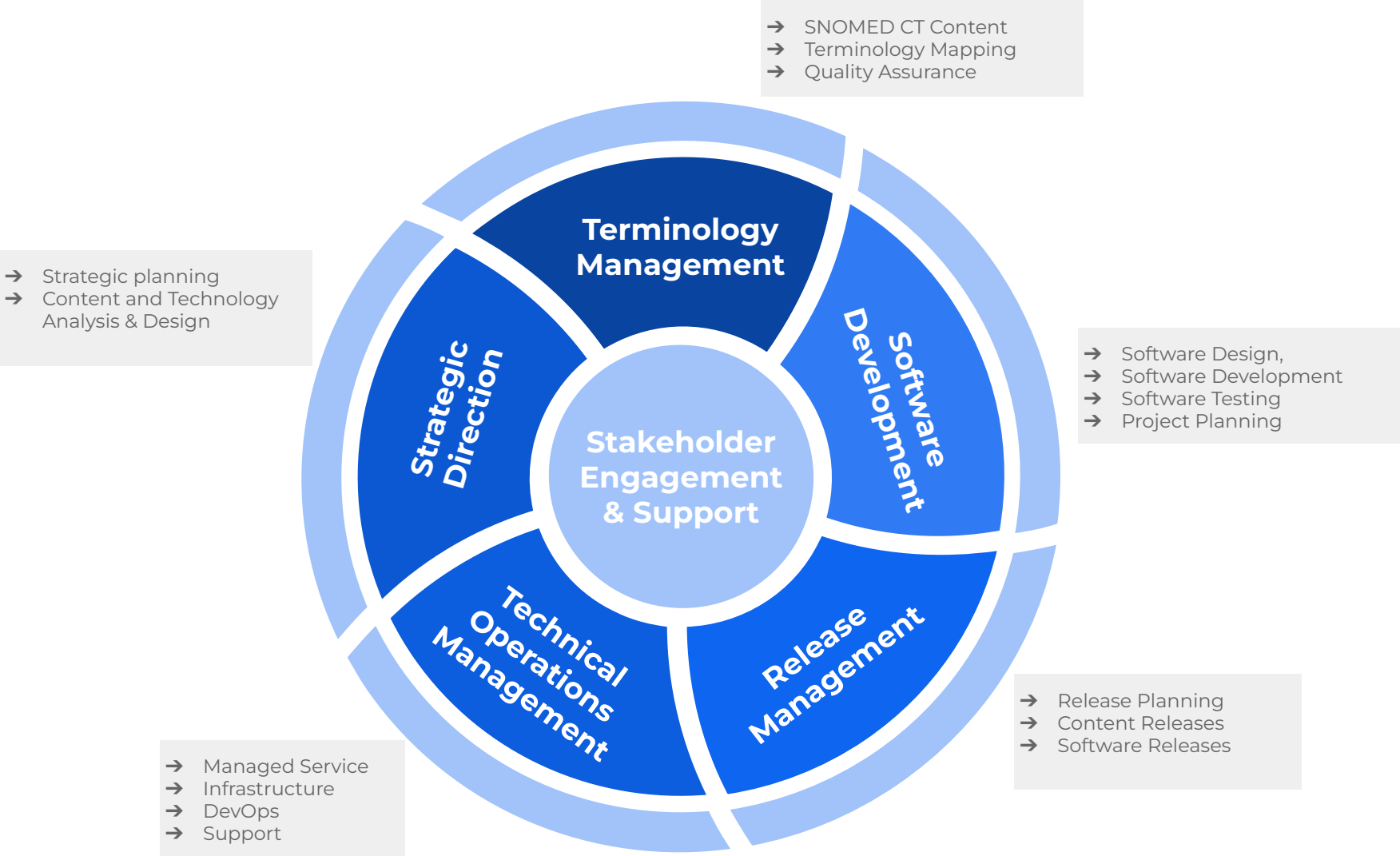
## Products & Services

Rory Davidson

Chief Information Officer



# Products & Services



# Key Points Since October

- Frequent releases
- ICD-11 MMS automated map
- Quality Improvement - Procedures
- Growing Managed Service
- Team evolving to meet the growing needs of the community

# More to come

- Growing community content domains
- More efficient content promotion
- More software features to supplement frequent releases
- Continuing to evolve translation solutions
- Refactoring/renewing older software components

# The Team

**Andrew  
Atkinson**

**Chris  
Morris**

**Cathy  
Richardson**

**Chris  
Swires**

**Darryn  
McGaw**

**Donna  
Morgan**

**Elena  
Ilyukhina**

**Elaine  
Wooler**

**Farzaneh  
Ashrafi**

**Joe  
Schofield**

**Krista  
Lilly**

**Lee  
Chapman**

**Mark  
Banks**

**Maria  
Braithwaite**

**Michael  
Chu**

**Monica  
Harry**

**Nicola  
Ingram**

**Paul  
Amos**

**Peter  
Duff**

**Peter G.  
Williams**

**Steve  
Archbold**

**Suzanne  
Santamaria**

**Sonja  
Ulrich**

**Sarah  
Warren**

**Toni  
Morrison**

**Terance  
Shird**

**Yongsheng  
Gao**

**Mark  
Rijnbeek**





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# SNOMED International Community Updates

## Content & Mapping updates

Monica Harry

Director, Content and Mapping



# 2021 progress

## Content Request Service

- ❖ 5011 requests received
- ❖ 4618 Completed - 92%
- ❖ # Submissions ranged from 637-1731 requests per month

## Internal projects driving changes

- ❖ Anatomy - implementing concept model across body systems
- ❖ ICD-11 - content alignment
- ❖ Drugs - transition to product roles
- ❖ Substances

## External projects driving changes

- ❖ Orphanet - content to extend the map
- ❖ Kaiser Permanente annual donation >700 Convergent Medical Terminology concepts
- ❖ Epilepsy - revision of findings/disorders
- ❖ Cancer synoptic - extend SCT content to support reporting
- ❖ Nutrition - alignment with electronic Nutrition Care Process Terminology (eNCPT)
- ❖ Microbiology - member driven focussed on organism concepts

# Mapping

**Monthly** updates as per published content changes in the international release to:

SCT - ICD-10 addition of in scope content

SCT - ICD-O Maintenance mapping to ICD-O-3.1 continues

**Annual** updates as per July international release to:

MedDRA - bi-directional, 1st release April 2021.

SCT - Orphanet

SCT - GMDN (bi-annual Q1 + Q3)

# Annual release of derivative artefacts

Aligned with July International Release including:

## Free sets

- ❖ DICOM
- ❖ ERA

## Refsets

- ❖ ICNP
- ❖ Dentistry
- ❖ GMDN
- ❖ IPS
- ❖ IHE
- ❖ Nursing

## Stakeholder liaison

- ❖ Clinical reference groups
- ❖ External projects eg. Unicom, ISO
- ❖ Implementation





SNOMED  
International

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SNOMED CT

# SNOMED International Community Updates



## Release Management

Andrew Atkinson

SNOMED International Release Manager



# New Product Releases

## International Edition Monthly Releases

1. First ever Monthly International releases were published as planned on 28th Feb + 31st March 22.
2. 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 RM Blog for details)
2. The upcoming 2022 MedDRA release will be the first to implement the new formats.

## IPS Terminology

1. SNOMED International will be releasing a BETA package of the sub-ontology in 2022.
2. This will be a non-SNOMED CT product, but rather a distinct Snapshot package published on the website.

# International Edition Release 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 Monthly releases published on schedule on:
  - February 28th 2022
  - March 31st 2022
- *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>

A photograph of the Tower Bridge in London, viewed from the River Thames. The bridge's two towers and suspension cables are prominent, with the London skyline, including the Gherkin, visible in the background under a clear sky.

# Terminology Release Advisory Group (TRAG)

Tuesday 5th April 2022 +  
Wednesday 6th April 2022 +  
09:00 to 12:30 UTC

*(in person + remote conference call)*

1. A wide variety of agenda items will be covered, including:
  - Semantic Tag Refset
  - Refined Map Reference Set product formats
  - Frequent Delivery
  - Metadata Working Group
2. Please feel free to read the minutes & post questions:  
<https://confluence.ihtsdotools.org/pages/viewpage.action?pageId=137236114>
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!*

# ADVANCED NOTICE: Changes to the Map Reference Set product formats

- The format of the SNOMED International Map Reference Set products is being refined.
- This will apply to all new Map Reference Sets going forward, including the impending SNOMED CT MedDRA Simple Map package
- The improved map refset patterns will include a “mapSource” attribute, to represent maps from other code systems to SNOMED CT
- The refined format provides users with more clarity when using maps of either direction
- It will include additional map metadata representing the new refset patterns & correlation values
- Users will benefit from clearer and more predictable naming of the map refsets, updated to follow the refined description patterns
- Please see the links below for the updated technical details including the improvements:
  - [5.2.3.1 Simple Map from SNOMED CT Reference Set](#)
  - [5.2.3.2 Simple Map to SNOMED CT Reference Set](#)
- The first product to be improved using the new designs will be the 2022 SNOMED CT MedDRA Simple Map package.
- If you have any questions on the upcoming improvements please let us know on [support@snomed.org](mailto:support@snomed.org)



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# SNOMED International Community Updates

## Technical Operations and Managed Service

Terance Shird

Technical Operations Manager

# Tooling Updates

- **New Component Identifier Service**
  - New replacement service is currently in development for delivery later this year
- **SNOMED Browser**
  - Performance Improvements
  - Working on API Gateway
- **SNOMED Authoring Platform (Snowstorm)**
  - Inactivation Changes
  - Frequent Release Improvements
  - Support for Multiple FSN's
  - New Reporting UI
- **New Refset Tooling**
  - Demo for the Reference Set tool replacement during the Managed Service User Group Meeting



# Technical Operations

- **Security Review**
  - Annual penetration testing completed
  - New “Secrets” management software installed
  - New AWS security policies implemented
- **Server Updates**
  - Upgrades to new Ubuntu Operating System
  - Java upgrades/migration almost complete
- **Autoscaling**
  - Reporting and Release services now migrated
- **DevOps Tooling**
  - Further improvements to our continuous integration and deployment orchestration services
- **Atlassian Review**
  - Review of Confluence, JIRA and Trello due to licensing changes



# Managed Service

- **Member Update**
  - We welcome three new members, Australia and Netherlands & South Korea
- **Frequent Releases**
  - Development started to support more frequent upgrades/releases for extensions
  - Sharing experiences of International team
  - Review of Release process to reduce downtime
- **Tooling Updates**
  - User Group session will include demos of Authoring Platform, RNMS and New Refset Tooling
  - Roadmap Update



# Thank You

**SNOMED**  
International

*Quality Data, Informed Healthcare*

## Call for Abstracts

Submit your abstract  
online at [snomedexpo.org](https://snomedexpo.org)  
before April 17, 2022



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#SCTExpo22

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2022

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