SNOMED International

Welcome

SNOMED International Delivering SNOMED CT

SNOMED INTERNATIONAL APRIL 2023 BUSINESS MEETINGS

APRIL 2-11, 2023 - LONDON, UK & ONLINE

YouTube Click here for the Recording!

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SNOMED INTERNATIONAL APRIL 2023 BUSINESS MEETINGS

APRIL 2-11, 2023 - LONDON, UK & ONLINE

Featured Keynote: Dr. Andrew Roddam

A new national health research cohort in the UK
for early detection and prevention research

YouTube Click here for the Recording!

snomedexpo.org | linkedin.com/company/ihtsdo | twitter.com/snomedct | youtube.com/@snomedct

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COMMUNITY UPDATES

SNOMED International

2023 APRIL BUSINESS MEETINGS

3 April 2023

YouTube Click here to watch the recording

COMMUNITY UPDATES

1. Global Report, Implementation Support & Vendor Engagement
2. Collaborations
3. Clinical Engagement

- SESSION BREAK -

10:30 - 11:00 am BST

Click here to watch the recording

4. Products & Services
5. Content Strategy & Roadmap
6. Content & Mapping
7. Technical Operations & Managed Service

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GLOBAL REPORT, IMPLEMENTATION SUPPORT, VENDOR ENGAGEMENT

Shelley Lipon

Chief Customer Officer

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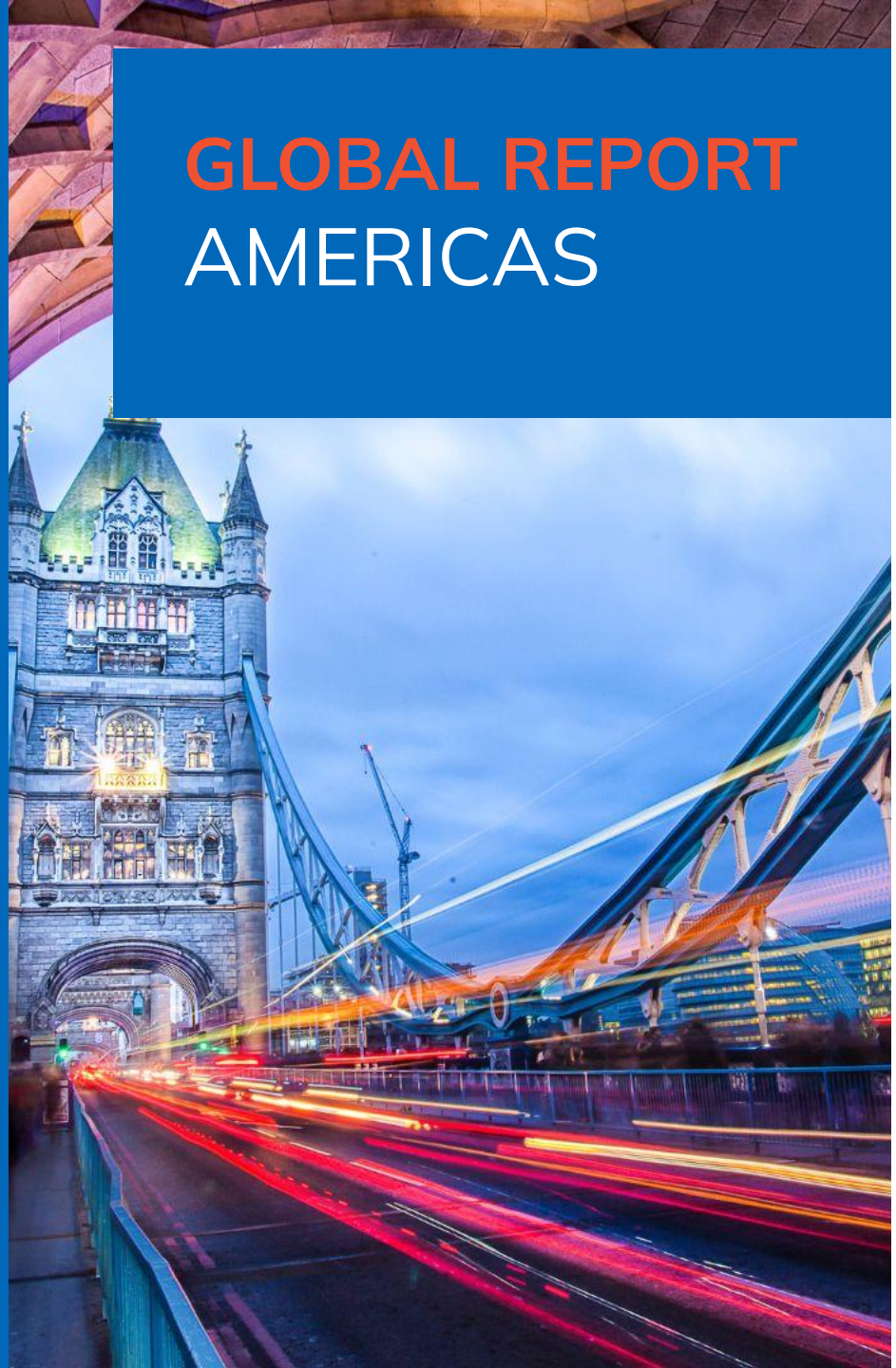
GLOBAL REPORT
AMERICAS



RECENT ACTIVITY:

- Warm welcome to our new Member **Jamaica!**
- Onboarding with El Salvador continues.
- Finalized approval for Health Canada and Infoway for SNOMED CT inclusion in the Canadian Clinical Drug Dataset (CCDD) to facilitate drug terminology use in Canada (such as for e-prescribing).
- SNOMED CT included in new data elements in the US ONC draft version 4 USCDI. Continuing to monitor upcoming TEFCA and additional initiatives that promote additional use of SNOMED CT in the US.
- Non-Member engagement:
  - Planning continues with Mexico (via HL7 Mexico) for a research project that uses SNOMED CT
  - Discussions continue with Brazil, Colombia, Costa Rica, Ecuador, and Peru.

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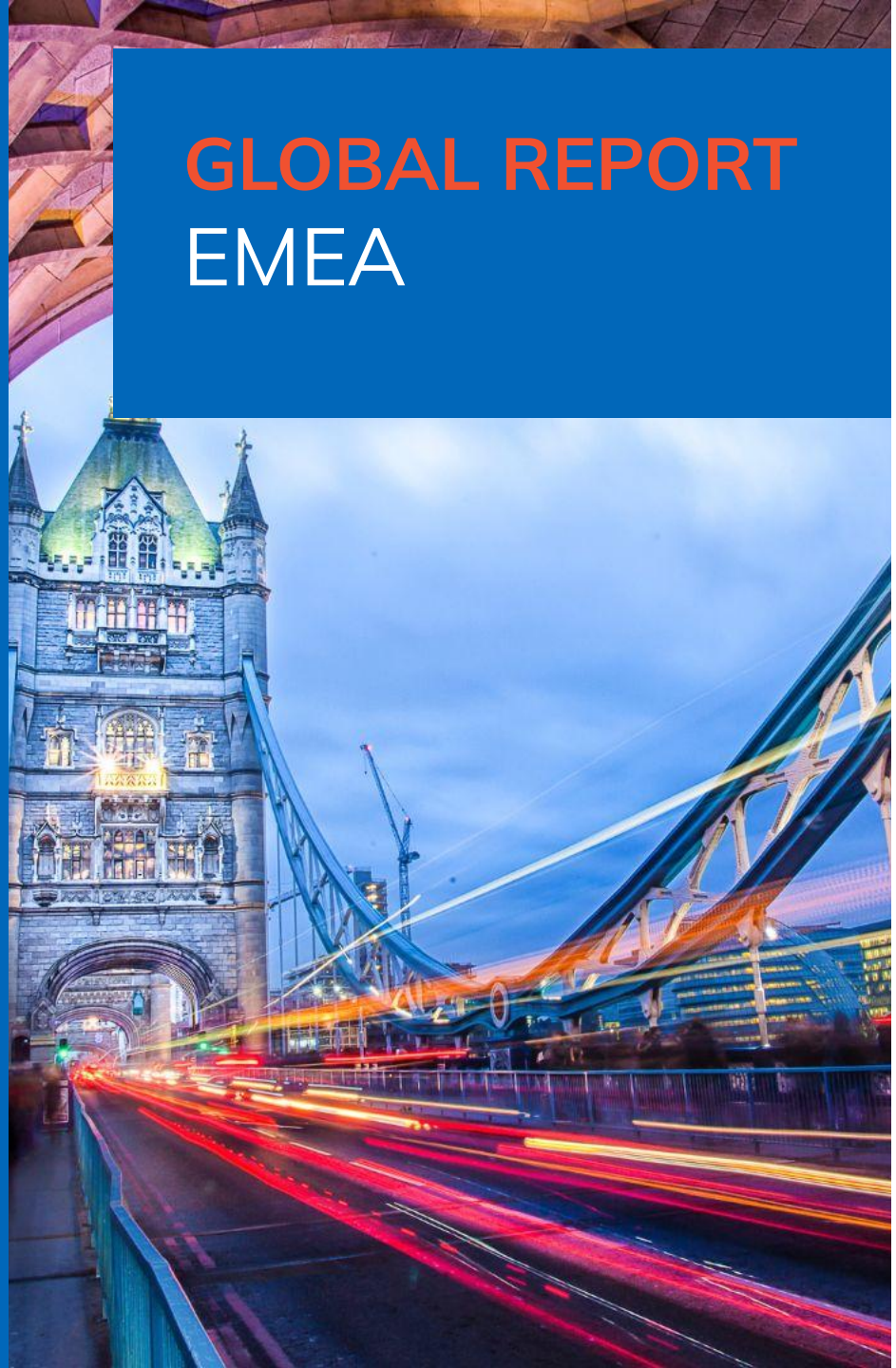

GLOBAL REPORT
EMEA

RECENT ACTIVITY:

- Poland and Andorra have both become Members
- France is scheduled to become a member by September
- In discussions with Croatia and Hungary to finalise membership (both have EU funding)
- Finalised agreement with Italy to undertake a 2 year pilot - focus cancer synoptic reporting
- Actively participating in EU projects, focused mainly on EHDS
- In discussions with MF EU group regarding SNOMED CT use in European cross-border care/data exchange format
- Qatar proceeding through their Membership approval process
- Saudi Arabia
  - Working with Saudi Health Council (SHC) to devine allergy and medication lists
  - Discussions with Council of Health Insurance re: using SNOMED and translation

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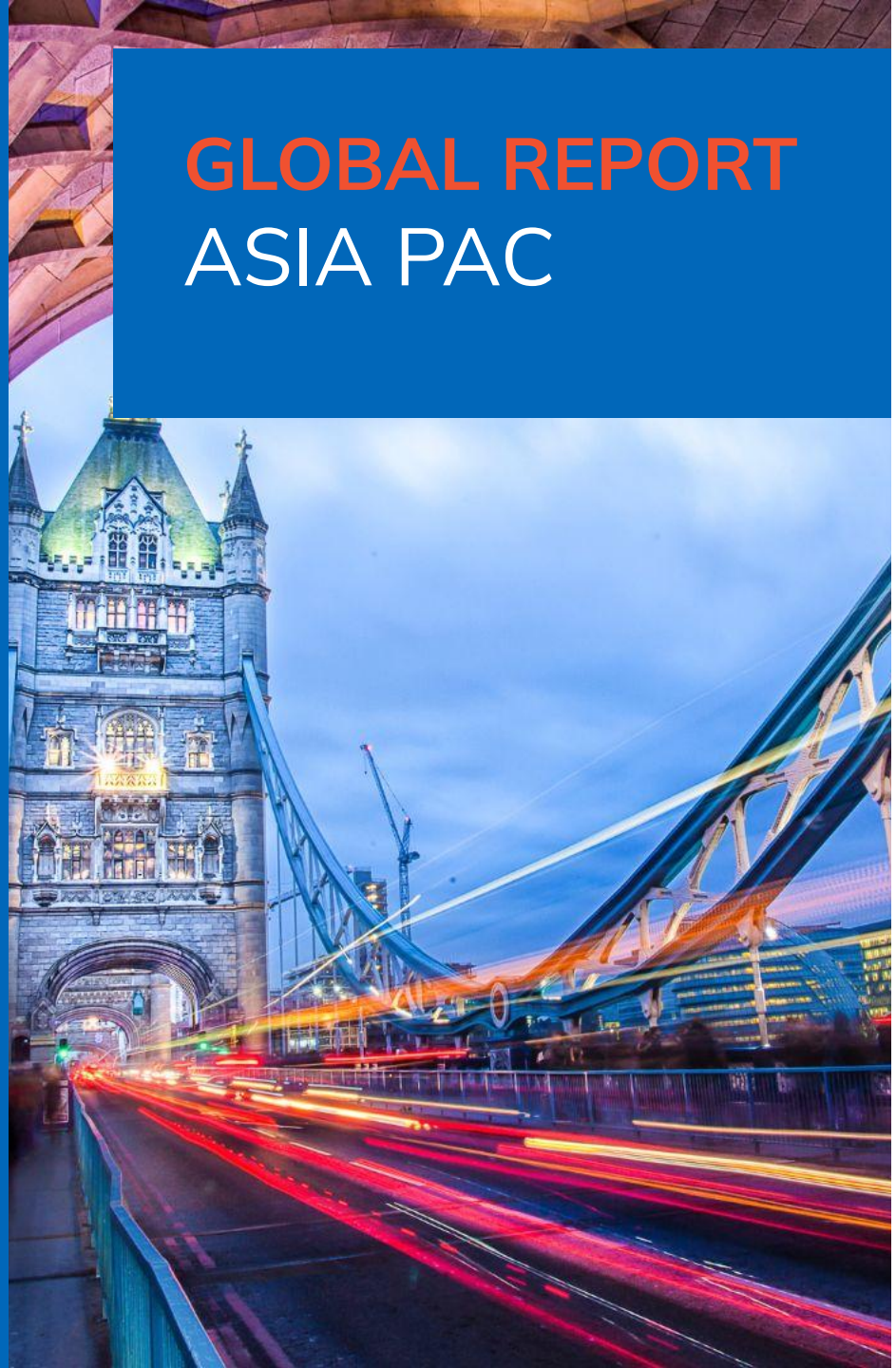


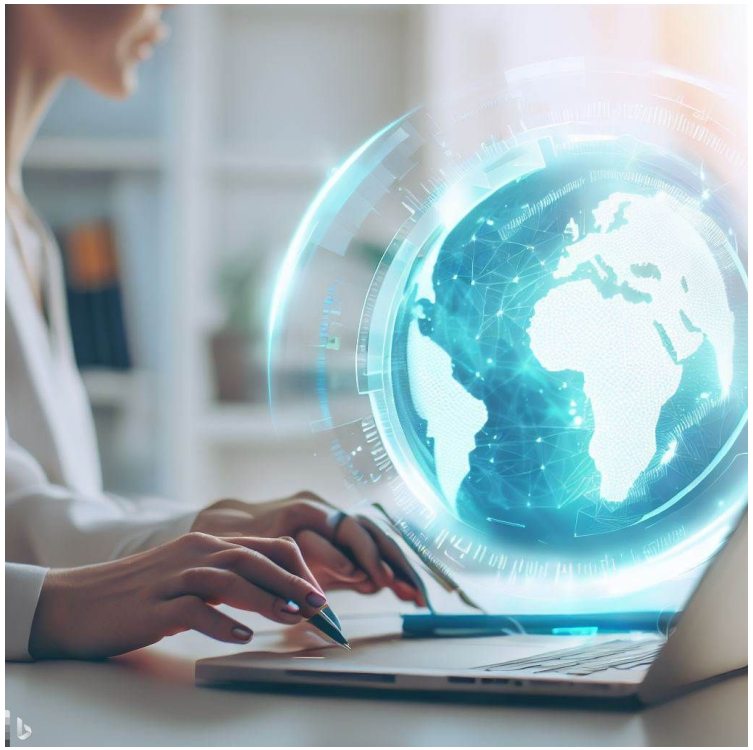
GLOBAL REPORT
ASIA PAC

RECENT ACTIVITY:

- Indonesia joined as a new member and onboarding is underway with workshop held in Jakarta in March 2023.
- Member support provided to Indonesia's MoH delegation at the CSIRO hosted meeting in March 2023 in Brisbane.
- SI represented at the Global Conference on Digital Health in March 2023 hosted by India.
- Customer engagement and panel discussion at the Asian eHealth Information Network (AeHIN) Terminology services event and General Meeting.

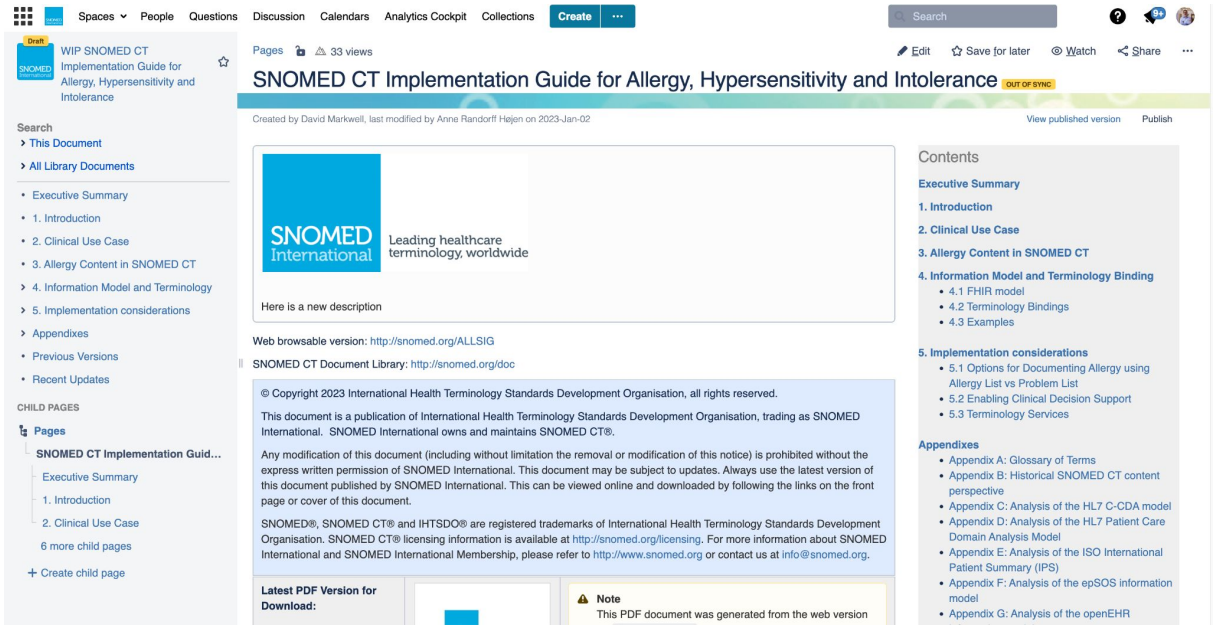
IMPLEMENTATION SUPPORT UPDATE

- Online support through info@snomed.org
- Online meetings with members, vendors, hospitals
- Online training sessions, developer days
- In person implementation support activities in
  - Portugal
  - Israel
  - Ireland
- Onboarding support
  - Indonesia



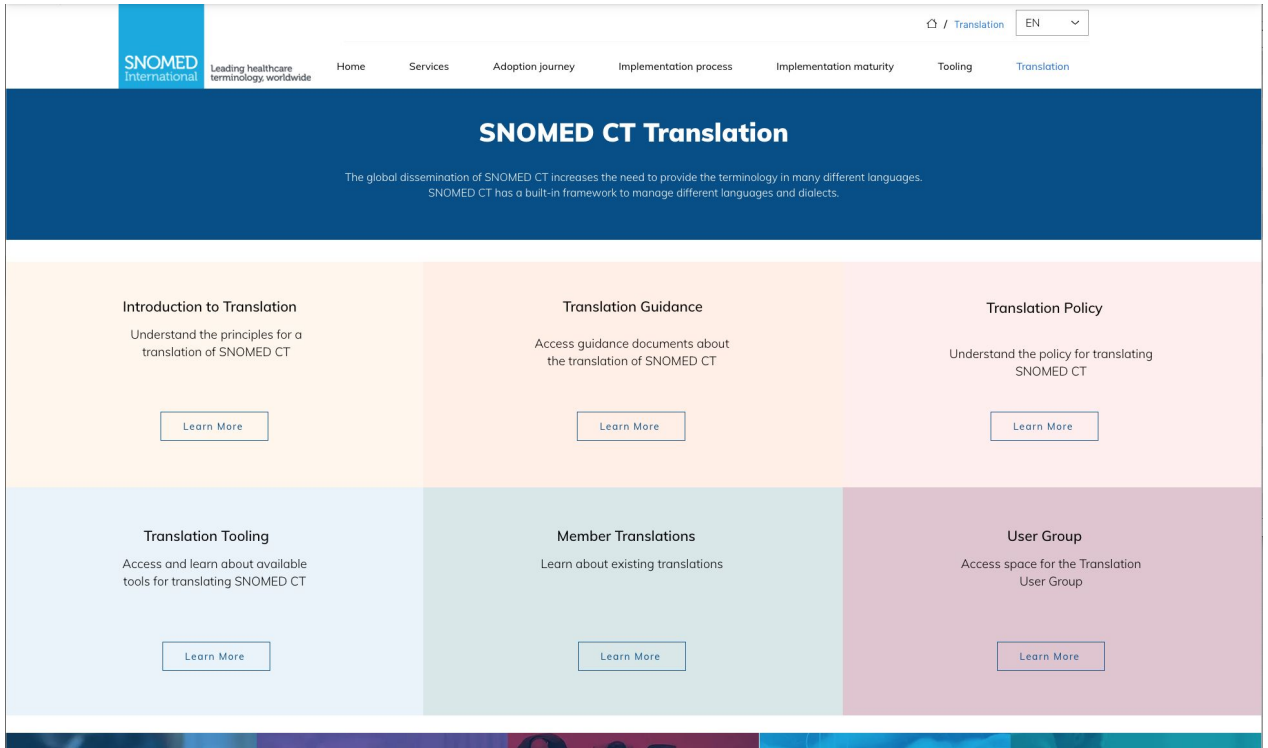
Clinical Implementation Guides

- New clinical implementation guides template
- First test with the Allergy, Hypersensitivity and Intolerance CRG
- Uniform structure: Clinical use cases, SNOMED CT content, Information models, Implementation principles



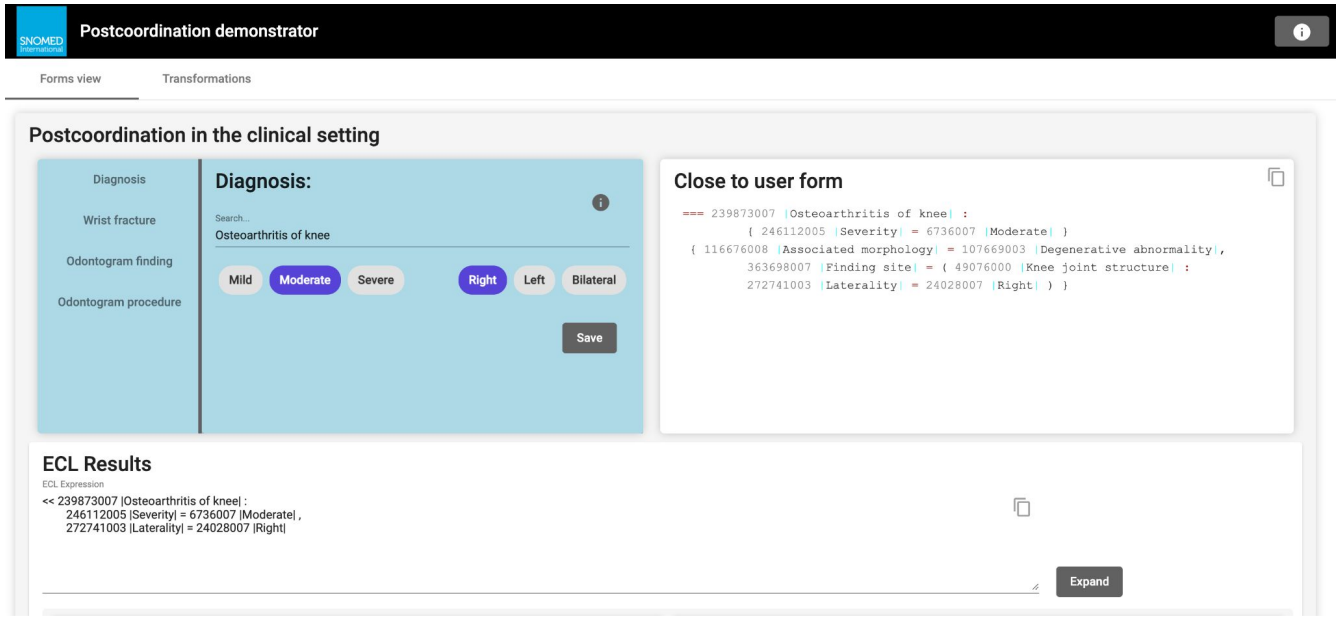
Translation Portal

- Part of the new Implementation Support Portal
- Collecting and expanding information in previous translation pages
- Links to updated Translation Guidelines form the Translation User Group



Postcoordination Guide and Tooling

- First draft of the "Practical Guide to Postcoordination"
- First version of the reference implementation of postcoordination features in Snowstorm-X. Specifications discussed in the SLPG.
- Demonstration tool with clinical examples of postcoordination and transformations viewer



EDQM Map and Simplex Toolkit

- Published the Alpha and Production versions of the EDQM to SNOMED CT Dose Forms map
- The map was created by the DEUSG in Snap2Snomed
- The map was extracted and prepared for release using a new tool, the Simplex Toolkit, that simplifies the creation of RF2 packages in projects outside the Managed Services

edqm
European Directorate for the Quality of Medicines & HealthCare

Snap2
SNOMED CT

Vendor Engagement

Bahmni Project Status - 35% complete

- Vision: Create an open-source reference implementation that displays best practices regarding how EMRs can leverage and benefit from SNOMED CT coding systems
- Project began December 2022
  - Building **native, best-practice integration** of SNOMED CT into their open source, free for use EMR built on OpenMRS framework
  - Diagnosis integration complete
  - Remaining deliverables: procedures, clinical decision support, form builder
  - On budget
  - Scheduled completion May 2023 on track
- Discussions regarding Bahmni participation in Expo initiated

Vendor Engagement

Startup Incubator Engagement

- Engaged with several ‘healthtech’ incubators to communicate the value of semantic standardization using SNOMED CT, and provide guidance regarding implementation
- Velocity, Rock Health, Startup Health, Startup Bootcamp, & more
- Face-to-face meetings booked with incubators at HIMSS U.S. in April

SNOMED Certification

- Initial outline of requirements for certification derived from:
  - RFP Core Vendor Requirements
  - Maturity Framework
  - Stakeholder Consultations
- Initially limited to EMR/EHR vendors, to be expanded in subsequent years

Vendor Engagement

- **Expo Sponsorship**
  - Working to fill sponsor and booths
  - 4 sponsorships, 8 booths spoken for
- **Apple**
  - Ongoing project with Apple, good progress continues to be made
  - Targeting Q4 announcement
- **AMA**
  - Working to define vendor challenge including CPT and SNOMED
- **Mitre**
  - Completed work to include SNOMED in the digital vaccine certificate
  - Permanent member of the governance committee, meetings bi-weekly
- **Conference Attendance**
  - January - Arab Health (Dubai)
  - Upcoming - HIMSS U.S. (Chicago)

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Collaboration Update

Suzy Roy & Jane Millar

Collaboration Team

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SNOMED International stakeholders

Policy Makers

SNOMED CT allows Policy Makers to be more informed when making policy and management decisions, accelerating their analytical and decision-making process.

Members

SNOMED CT allows Members to ensure that high-quality clinical information is available to all stakeholders in their country, as required.

Patients/Citizens

SNOMED CT enables patients/citizens to control their health information and be knowledgeable about their health and their self-care options. SNOMED CT also enables a collaborative relationship with their Care Providers to receive the best care available.

Collaboration Partners

Professional Associations who contribute clinical knowledge to ensure that the evolution of SNOMED CT maintains its clinical integrity. Standards Organizations contribute their artefacts so that together with SNOMED CT the 'one language of health' can be created.

Care Providers

SNOMED CT allows Care Providers to improve patient outcomes by being knowledgeable about their patient's health and their options for care. This allows for a more informed and collaborative relationship with patients when making critical care decisions, and to provide the best care possible, in association with the rest of the care team.

Researchers and Knowledge Producers

SNOMED CT allows Researchers and Knowledge Producer to create 'the one language of health' and accelerate data, information, evidence and knowledge creation. Supporting a wide range of analytics and research activities, use of SNOMED CT benefits the decision-making of policymakers, care providers, patients/citizens and other health care stakeholders.

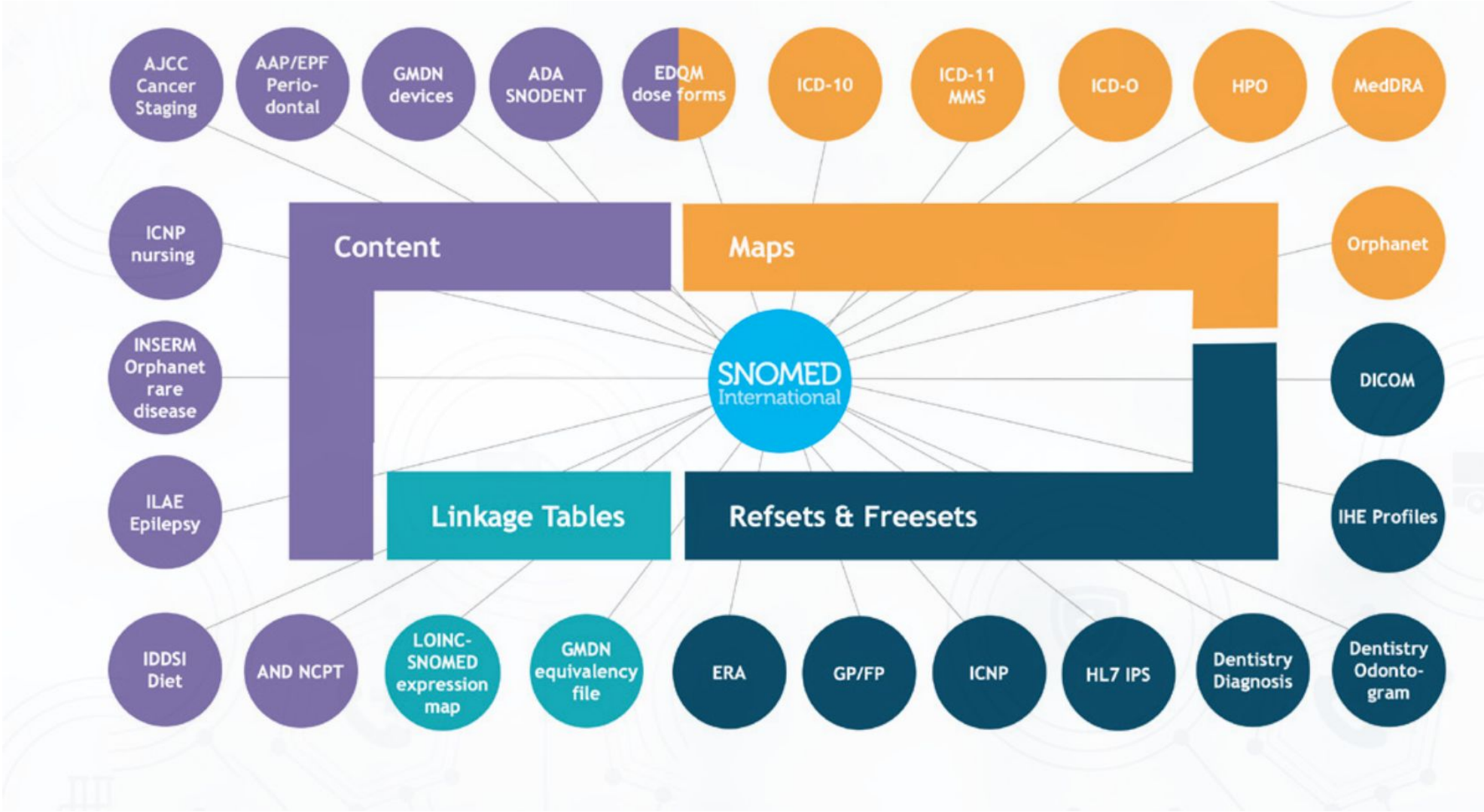
Vendors

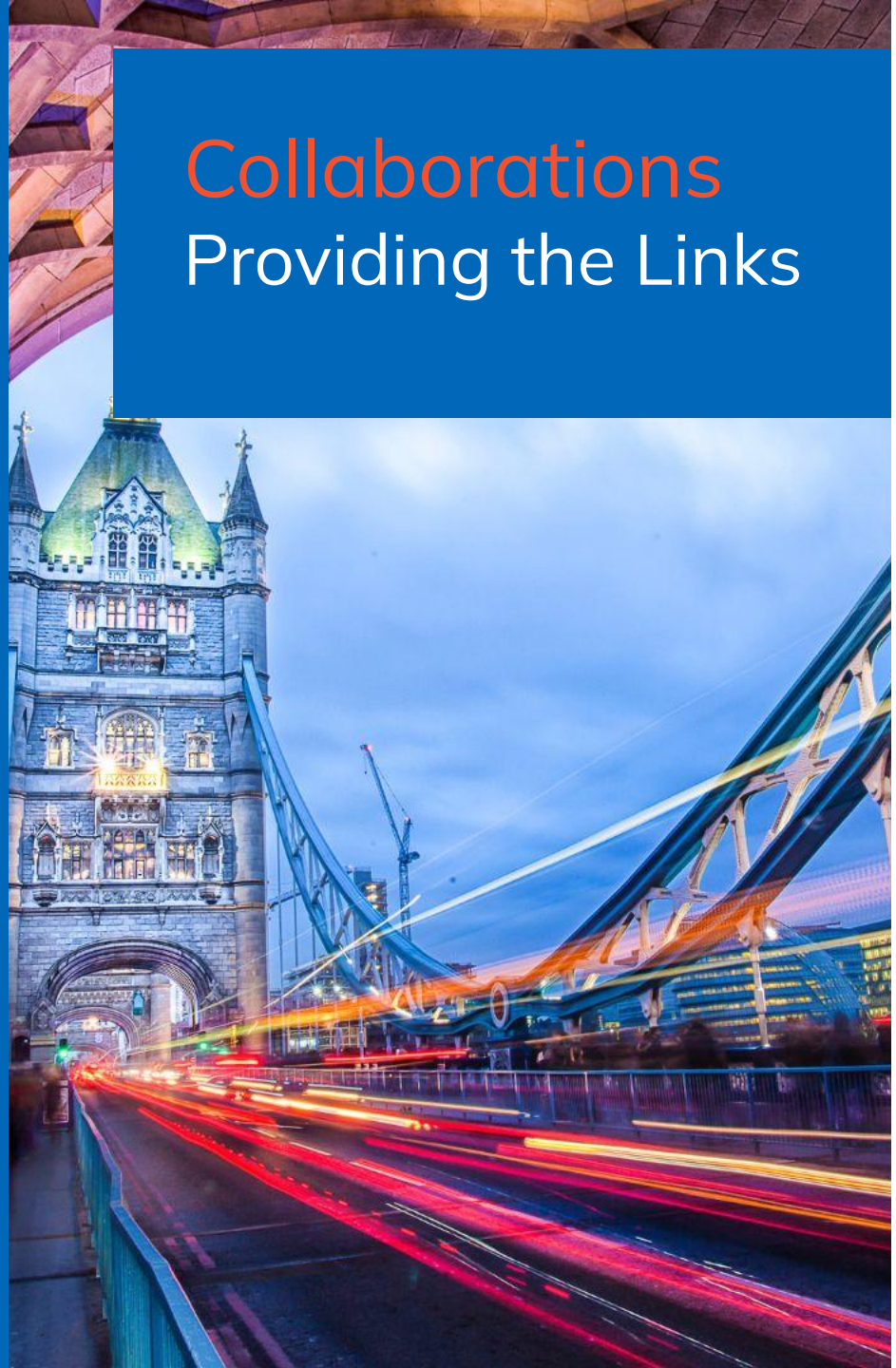
SNOMED CT allows Vendors to sell their products using a global standard that is deployed in over 80 countries, opening new markets for their software products.

Implementers

SNOMED CT is the most comprehensive, scientifically validated, health care terminology available globally, allowing Implementers to collect data once and reuse it for a diverse range of clinical, analytical and research purposes, and enabling them to support the information needs of a variety of stakeholders, including care providers, policymakers, patients/citizens and others.

Collaboration Partners and Products/Deliverables





Collaborations
Providing the Links

Terminology Integrator

- One of the 6 priorities set forth in the 5 year strategy
- Collaboration Framework
  - Evaluation process
  - 3 years in use
  - Provides insight on value & benefits before, during, and near the end of a collaboration

SNOMED CT will continue to be a hub that supports, facilitates and integrates terminology standards and classifications to help enhance and streamline the health and care ecosystem.

Collaboration Team

- **Coordinate collaboration agreements - including deliverables with partners**
- **Identify international standards based on stakeholder requirements**

Coordinate collaboration agreements - including deliverables with partners

Joint Initiative Council

- Increasing membership - new standards development organizations joining JIC including: ITU, IEEE, ICCBAA

- Participating in the xSDO efforts in development of IPS maintenance coordination process

- Participating in the Task Group to form a strategic partnership between JIC and GDHP and explore governance of IPS standards coordination

Current Collaboration Efforts

AJCC
American Joint Committee on Cancer

EDQM

Map from EDQM standard terms for Dose Forms to SNOMED CT

AJCC

Exploring potential for inclusion of more in-scope content

ISO TC215

Current work has potential for an increased demand for terminology

Identify international standards based on stakeholder requirements

Potential NEW collaboration agreements - Part 1

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openEHR develops specifications of clinical data archetypes for EHRs, using terminologies

Supports the supply chain for drugs globally with the Global Trade Item Number (GTIN) and identification of other artefacts using bar-coding

As we consider next steps, we would like requirements for linking the standards to SNOMED CT and any experiences in doing such work

Potential NEW collaboration agreements - Part 2

ICCBBA

Manages & develops ISBT 128, the global terminology standard for identification, coding and labeling of medical products of human origin (including blood, cell, tissue, milk and organ products)

interRAI™

Provides a suite of instruments, including assessments, utilized by healthcare providers to collect information in a standardised way e.g. Long term care

As we consider next steps, we would like requirements for linking the standards to SNOMED CT and any experiences in doing such work

Potential RENEWAL

As we consider a new agreement with GMDNA, we seek to identify new and existing use cases and requirements on the use of the Global Medical Device Nomenclature and SNOMED CT.

Seeking Information & Requirements

ICD-O 3.2
use case/requirements for maintaining and updating the map between SNOMED CT and ICD-O and which version of ICD-O is planned for use

European Commission

EMDN
information on plans for implementing European Medical Device Nomenclature and specific use case requirements for linking with SNOMED CT

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Clinical Engagement

Ian Green

Customer Relations Lead (Europe)

& Global Clinical Engagement Lead

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Clinical Reference Groups (CRGs) and Project Groups

- **8 CRGs and 3 clinical project groups**
  - Clinical discussions
  - Focused mainly on content issues
- **New groups**
  - Eye care (Ophthalmology) CRG
- **Proposed future groups**
  - Neurology
  - Public health
  - Nutrition and Dietetics CRG (previous PG)
  - Social Care Reference Group

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Clinical Reference Groups (CRGs)

Clinical Engagement

Created by Ian Green, last modified on 2022-Nov-21

WEBLINK - www.snomed.org/clinical

This is the home page for all Clinical Engagement activities within Confluence. The site directs you to all resources you will need as a clinician to participate in the development of SNOMED CT, and also provides access to clinically focused educational materials

Contact
For queries relating to Clinical Engagement, please email crg@snomed.org

Clinical Engagement Chat Room

The Clinical Engagement Chat Room aims to provide a simple way to engage with other clinicians on issues and to ask/answer queries.

The url for the chat room is https://public-snomedintl.slack.com/messages/CBFLM8V18/

Getting Started

Access to the SNOMED International Slack workspaces are by invitation only. Experience on other platforms has shown that it is easier to manage who has access this way.

If you do not have an account or access to the SNOMED International public workspace, please contact crg@snomed.org to request an account.

About Us

Clinical input into the development of SNOMED CT ensures that the terminology meets current and future clinical requirements. These activities form part of the broader approach of Clinical Engagement. Clinical engagement is currently supported by a dedicated team

The team looks to support clinical engagement activities across all regions through discussion and collaboration with local-based clinical colleagues, and discussions with national release centres (NRCs).

Ian Green	Dr Charles Gutteridge	Jane Millar
Customer Relations Lead Europe & Clinical Engagement Business Manager	**Clinical Engagement Lead EMEA**	**Collaboration Lead CRG Coordinator**
igr@snomed.org	cgu@snomed.org	jmi@snomed.org

Resources

https://confluence.ihtsdotools.org/display/CP/Clinical+Engagement

Directory - Clinical Groups

Created by Ian Green, last modified on 2022-Dec-14

The clinical resource groups are listed below in alphabetical order, and are listed by specialty. Each group is linked by hyperlink to the specific confluence pages belonging to that group. Please use the links provided to access the clinical reference group required.

General queries
For general queries relating to Clinical Reference Groups or Clinical Engagement, please email crg@snomed.org

Suggest a new Clinical Reference Group
If you have a requirement for a new Clinical Reference Group, please email the details to crg@snomed.org, and mark the query Clinical Reference Groups

ABC

Allergies Hypersensitivity and Intolerance

Anaesthesia

DEF

Dentistry

Eye Care

GHI

Genomics and Precision Medicine

General practice/Family practice

JKL

MNO

Mental and Behavioural Health

Nursing

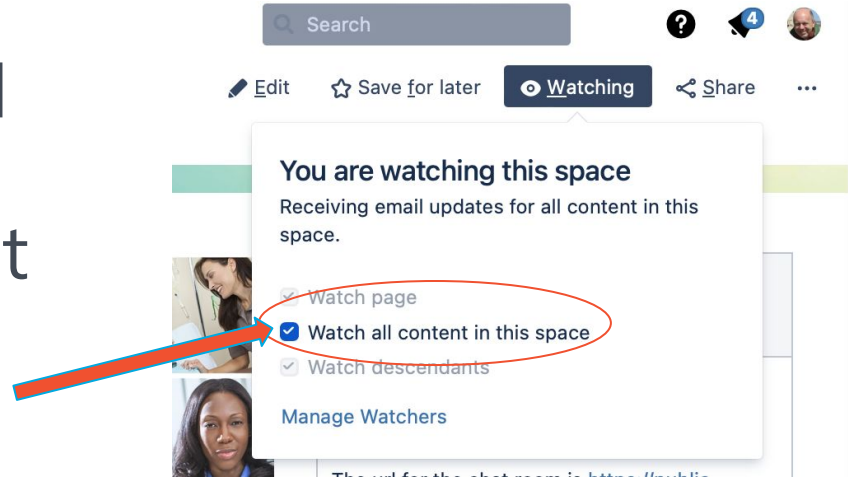
PQR

Pathology and Laboratory Medicine

https://confluence.ihtsdotools.org/display/CP/Directory+-+Clinical+Groups

Clinical Reference Groups (CRGs)

- All the CRGs have discussion forum functionality, which is open to all members of the group
- Discussions tend to focus on real world clinical implementation issues, and provide functionality to address content queries where they arise
- By selecting “Watching”, members can get email updates when changes are made to the CRG Confluence pages



https://confluence.ihtsdotools.org/display/CP/Directory+-+Clinical+Groups

Clinical Outreach

1. Clinical database

- Expanding contact details for clinicians willing to participate as SME's to provide clinical expertise to the content team to clarify queries relating to new and existing content

2. Conference/presentations

- Karolinska - MSc Clinical Informatics
  i. Clinical analytics and practical examples of SNOMED CT supporting clinical use case requirements
- MIE2023
  i. Clinical analytics and leveraging expression queries to support clinical decision making
- Vitalis 2023
  i. Supporting nursing practice through the use of SNOMED CT

Clinical Outreach

1. Clinical leads

- Forum for sharing of information
  - i. Work in the CRGs
  - ii. SNOMED International updates
  - iii. Specific topics raised by the clinical leads themselves
- Collaborate on activities e.g. communications

2. Clinically focused Implementation Guides

- Development of guides to support implementation focused on clinical use cases
- Target audience are clinicians and clinical system developers
- Initially allergies and cancer synoptic reporting

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SESSION BREAK

PROCEEDINGS TO RESUME AT 11:00AM (BST)

Note: the zoom webinar will remain open and muted until the session resumes

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Products & Services

Rory Davidson

Chief Information Officer

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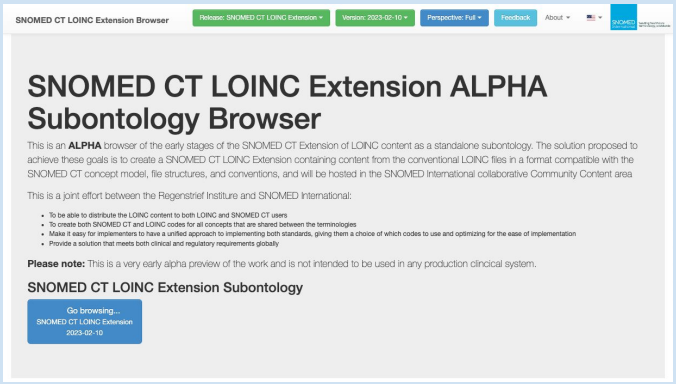
Products & Services Highlights

Keeping the content candle burning & the technology lights on

LOINC

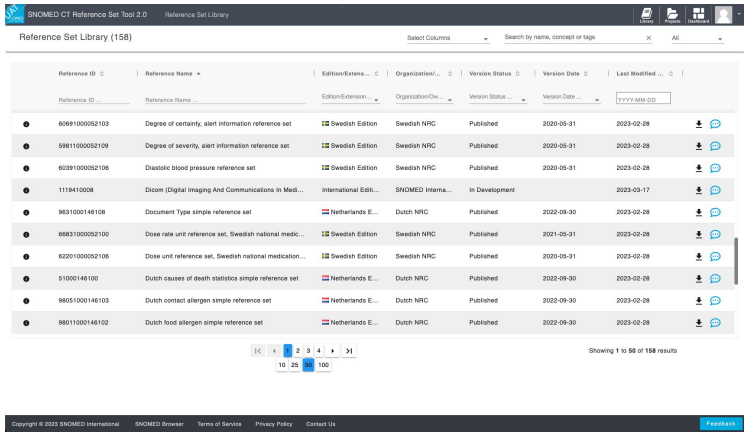
- Regenstrief and SNOMED International teams have been working together on an initial Proof of Concept using the top 100 LOINC terms to
  - Design & develop the first iteration of the concept model DONE
  - Build software to convert from LOINC to SNOMED CT DONE
  - Produce initial RF2 package and subontology viewer DONE
  - Iterations to improve initial model - ***In Progress***
  - Identify further patterns for conversion - ***In Progress***
  - Repeat with larger volumes to verify output - ***In Progress***

https://dev-loinc-browser.ihtsdotools.org/



Software

- Reference Set Tooling v2 - **open for testing**



- More self-service for Managed Service Members

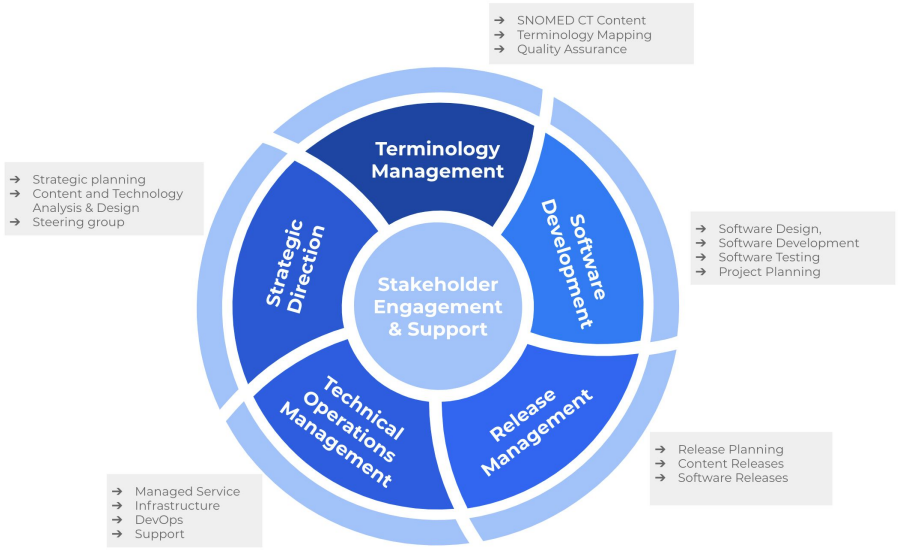
- During 2023, less “shiny”, more SNOMED CT substantial
  - Alternative identifiers
  - Extended MRCM
  - Multiple module dependencies

- Continue to work with new suppliers to revamp existing software (MLDS, CIS)

Release Management

- IPS Terminology Published
- Monthly releases now fully embedded
- Derivatives including EDQM preview map and MEDRA maps
- Go to the TRAG to discuss:
  - A proposal to move International Edition release dates to 1st every month
  - Extensions vs Editions in a more frequent release context

Products & Services Team



Andrew Atkinson	Cathy Richardson	Chris Morris	Chris Swires	Darryn McGaw
Donna Morgan	Elaine Wooler	Elena Ilyukhina	Farzaneh Ashrafi	Jim Case
Jim Cornmell	Joe Schofield	Krista Lilly	Lee Chapman	Maria Braithwaite
Michael Chu	Monica Harry	Nicola Ingram	Peter Duff	Peter G. Williams
Rory Davidson	Sarah Warren	Sonja Ulrich	Steve Archbold	Suzanne Santamaria
	Terance Shird	Victor Medina	Yongsheng Gao	

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Content Strategy and Roadmap

James T. Case

Chief Terminologist

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Quality Improvement

Yes, it is still ongoing…

- 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

Areas addressed since last update

- **Clinical findings**
  - Dislocation morphology
  - Retraction structure morphology
  - Drug withdrawal
  - Toxicoses and poisonings
  - Obstructed hernia
  - Complication of procedure
- **Procedures**
  - Assisted breathing
  - Consultation
  - Irrigation
  - Placement of stent
- **In progress**
  - Clinical findings and disorders - 7 topics
  - Procedures - 12 topics
  - Morphological abnormalities - 4 topics
  - More added incrementally

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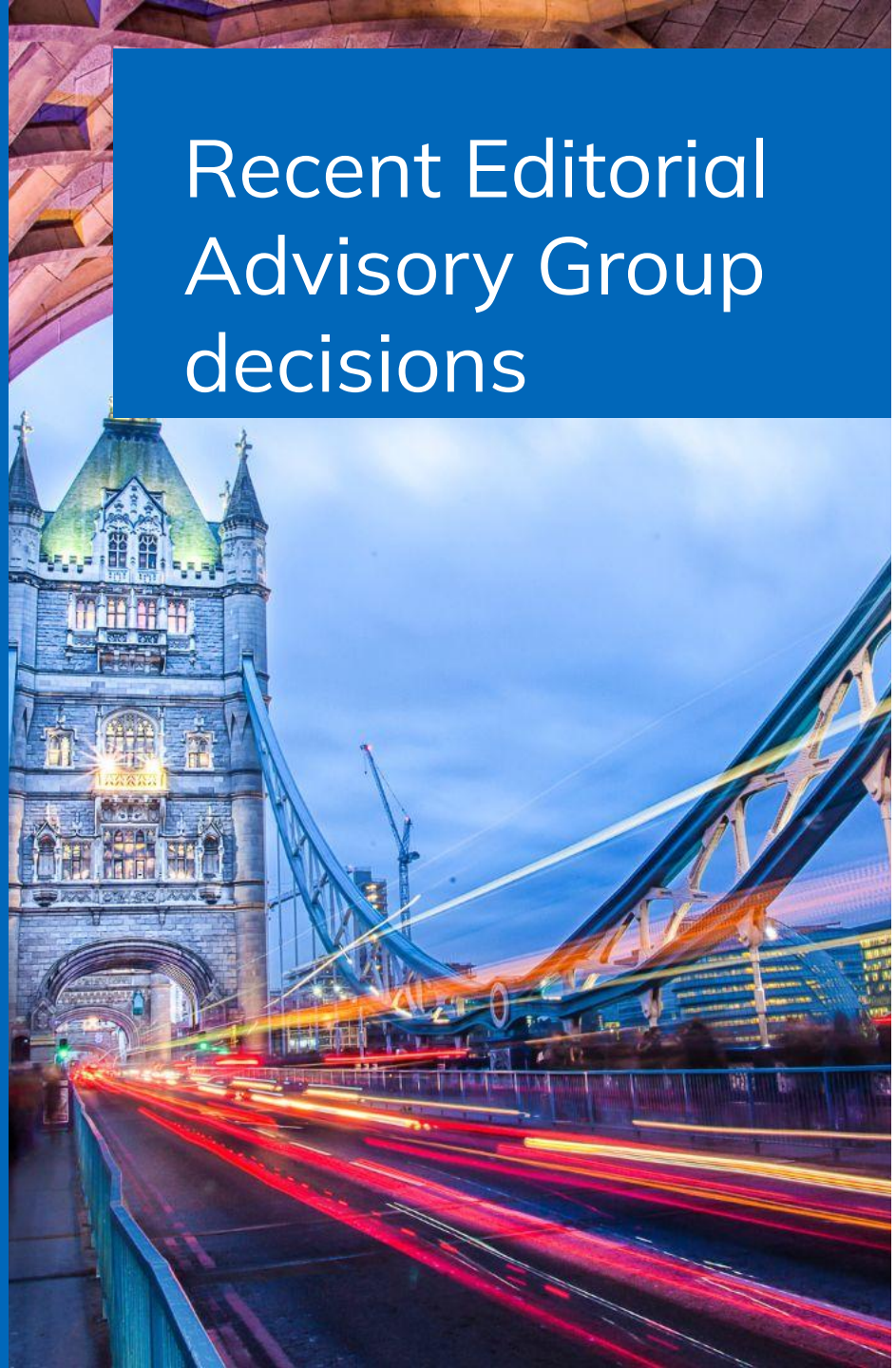
QI Statistics 2018 - 31/03/2023

Domain	Eligible concepts	New concepts added	Concepts inactivated	Percent SD	Intermediate primitives
Clinical findings (minus <<Disease)	35,746	5250	3649	32.1% to 36.3%	3.5% to 2.8%
Disease	75,890	15968	6836	55.1% to 68.5%	3.5% to 2.9%
Procedure	58,242	3074	2148	44.1% to 48.7%	2.1% to 2.3%

Internal quality improvement

- Comprehensive review of surgical actions
- Revision and restructuring of Primary and Metastatic morphologies and disorders
- Application of a new “at risk” model
- Enhancement of AJCC content based on member comments
- Clinical quality review - currency and accuracy



Recent Editorial Advisory Group decisions

Only two meetings since September 2022

- Inactivation of the Navigational concept hierarchy
- Inactivation of “delivered/not delivered” concepts
- Revision of History and Past history temporal context values
  - Remove ambiguity of “or”
  - Remove “specified time” values
- Multiple topics to be discussed at EAG

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Content and Mapping update

Monica Harry

Director of Content and Mapping

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International release - Maintenance

- Content request system (CRS)
  - 1377 changes for Q4 2022 + Q1 2023
- Drug Content Analysis Project (DCAP) - member driven, review of content in National extensions; potential promotion to International
- Microorganism - new organism concepts
- Morphology ICD-O alignment
- Anatomy - cardiovascular and nervous system enhancements
- Substance - roles transitioning to products

Projects

Collaborative projects

- **Convergent Medical Terminology (CMT)** - donated content from Kaiser Permanente; Injury content under review
- **International League against Epilepsy (ILAE)** - seizure related finding and epilepsy disorders

Strategic priorities

- **Social Care:** elder people, mental health, alcohol and substance misuse.
  - The requirements and use case work for older people is complete and the remaining domains will be completed by the end of Q1 2023.
- **Cancer Synoptic Reporting** - new content to support structured reporting for Anatomic and Molecular Pathology
- **Traditional medicine**
  - Build infrastructure foundation for future development

Mapping

- ICD-10
- ICD-11 MMS automated
- Orphanet - ongoing maintenance
- MedDRA - ongoing maintenance
- MedDRA
- ICD-O 3.2 under review

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Technical Operations & Managed Service

Terance Shird

Technical Operations Manager

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Technical Operations

- **Atlassian Review**
  - Confluence & JIRA review completed & migration from Server to Data Centre underway
- **Browser API Gateway**
  - Work continues to prepare for launch
- **Configuration Management**
  - Integration of new technologies into Release Service and SNOMED Browser completed
- **Infrastructure Projects**
  - Server updates to latest Operating System
  - Planning for migration to new ElasticSearch host
- **Security Review**
  - Various work to tighten and improve system and infrastructure security
  - Currently implementing new security testing tooling across all externally facing services

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Managed Service

- **Member Update**
  - 13 Current Members
  - No new member onboarding
- **Frequent Releases**
  - Monthly Upgrades ready for User roll out
  - Process Workshops held in Oslo
    - Ready for feedback
- **Tooling Updates**
  - Extension Upgrades
  - Validation Reporting
  - Performance Analysis
  - New UI for Context Language Refsets

MSUG - Mon Morning & Tues Afternoon

Thank You
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International

HIGHLIGHTS PLENARY SESSIONS

Recordings of plenary sessions will be made available via confluence.

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- **NETWORKING RECEPTION**

  Connect with colleagues and the Community in the 1901 Ballroom. Light refreshments will be served.

  (Monday, April 3, 2023, 6:00pm - 8:00pm BST)

- **OPEN GENERAL ASSEMBLY**

  Chaired by Alfhild Stokke, with keynote by Herbert Down from the Australian Digital Health Agency.

  (Tuesday, April 4, 2023, 1:30pm - 3:00pm BST)

  YouTube **Recording to follow**

- **CLOSING PLENARY**

  A summary update of the week's sessions and outcomes.

  (Wednesday, April 5, 2023, 4:30pm - 5:00pm BST)

  YouTube **Click here for the Recording!**

SNOMED CT Expo
2023 Call for Abstracts

Enjoy this week's business meetings!

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