2021 April Business Meetings

Community Updates

SNOMED CT
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info@snomed.org

Global Report

Shelley Lipon

Watch the Global Report

Europe regional update

- **French translation group** – focused on further developing translated content supplied by group members and extending editorial guidance

- **German translation group** – established and agreeing ways of working

- **European Union (EU) Working group** – continues to explore how Members can facilitate the inclusion of SNOMED CT into EU discussions/developments

- **Germany onboarding** – actively working with BfArM to develop a webinar series to raise the profile of SNOMED CT with clinicians and developers

- **SNOMED International EU Strategy –** currently under development for submission/review by Management Board

Americas regional update

- Continued to support HL7 Gravity Project on social determinants of health, with the first domains focused on content related to food security and housing.

- Helped Members on the sharing of COVID-specific drug terminology information in local extensions.

- Work has begun on reviving of the Spanish Community Users group with Members from Latin America and Spain. This community-based forum will help to facilitate information sharing to those working with SNOMED CT en español.

- Ongoing engagement with SNOMED CT users in Brazil, Colombia, Ecuador, Jamaica, Mexico, and Panama.

Middle East and Africa regional update

- ## Saudi Arabia

  The first SNOMED project Saudi Arabia has identified is to standardize their national drug model for use across the healthcare sector. After significant consultation (including assistance from Linda Bird), Saudi Arabia has decided to adopt the New Zealand drug dictionary model (NZULM) as a starting point. They have been connected to David Mitchell from New Zealand who will be able to assist as they begin this significant piece of work.

- ## Jordan

  As Jordan modernizes their national ehealth infrastructure around the VistA EHR product, their next project is to standardize their procedure and diagnosis codes using SNOMED CT. We have connected Jordan with resources from Rotherham NHS Foundation Trust who have previously undertaken this work and are providing guidance.

- ## UAE

  The application has been submitted and approved by the Board. Expecting Membership to be finalized by early Q2 2021.

- ## South Africa

  We have been in discussions with Western Cape province for a Regional License, only remaining hurdle is determining the procurement mechanism.

- ## Rwanda

  A pilot project with The Sovereignty Network in Rwanda has kicked off and is in full flight. With a particular focus on reducing inequity for women, the goal of the initial implementation in Rwanda is to transform maternity health and child health care delivery through easy to use modules on tablets and phones. By turning paper records into easily accessible and measurable healthcare data, and with integration into local EMR systems via SNOMED and FHIR data standards, significant benefits are expected to accrue to women and children across Rwanda, and potentially expanding to other countries afterwards. The intention is to leverage this successful pilot to begin discussions for a wider African participation within the SNOMED community .

Asia and Pacific regional update

- Regional stakeholder engagement with **Asian eHealth Information Network (AeHIN)** is ongoing, including exhibitor booth presence at the AeHIN event and SNOMED CT virtual tutorial delivery.

- Onboarding and support activities for **Republic of Korea** and **Republic of Armenia** continued, with rapid progress in SCT localization made by Korea's NRC and SCT implementation planning underway in Armenia.

- National level stakeholder engagement support provided with delivery of SNOMED CT webinar series to stakeholders in India and support extended to **SNOMED New Zealand Open Forum Hui Tuwhera**.

- SNOMED CT pilot project in the **Republic of Vietnam** is gaining momentum, with SNOMED International support provided in SNOMED CT education and implementation planning.

- SNOMED CT application in **Traditional Medicine** is gaining momentum, with SNOMED CT use in Ayurveda launched by India and SNOMED International led Traditional Medicine project progressing the international Traditional Medicine model development work.

Implementation Support

- An implementation support framework is being investigated to support Members

- Other activities include
  - **Mapping to SNOMED CT** - Developing a hosted tool for Members and their stakeholders to collaboratively create and maintain simple maps to SNOMED CT
  - **Drug extension user support** -Providing support to implementers of SNOMED CT drug extension
  - **Postcoordination** - Developing guidance on how to implement a postcoordination solution

Collaborations Update

Suzy Roy
&
Jane Millar
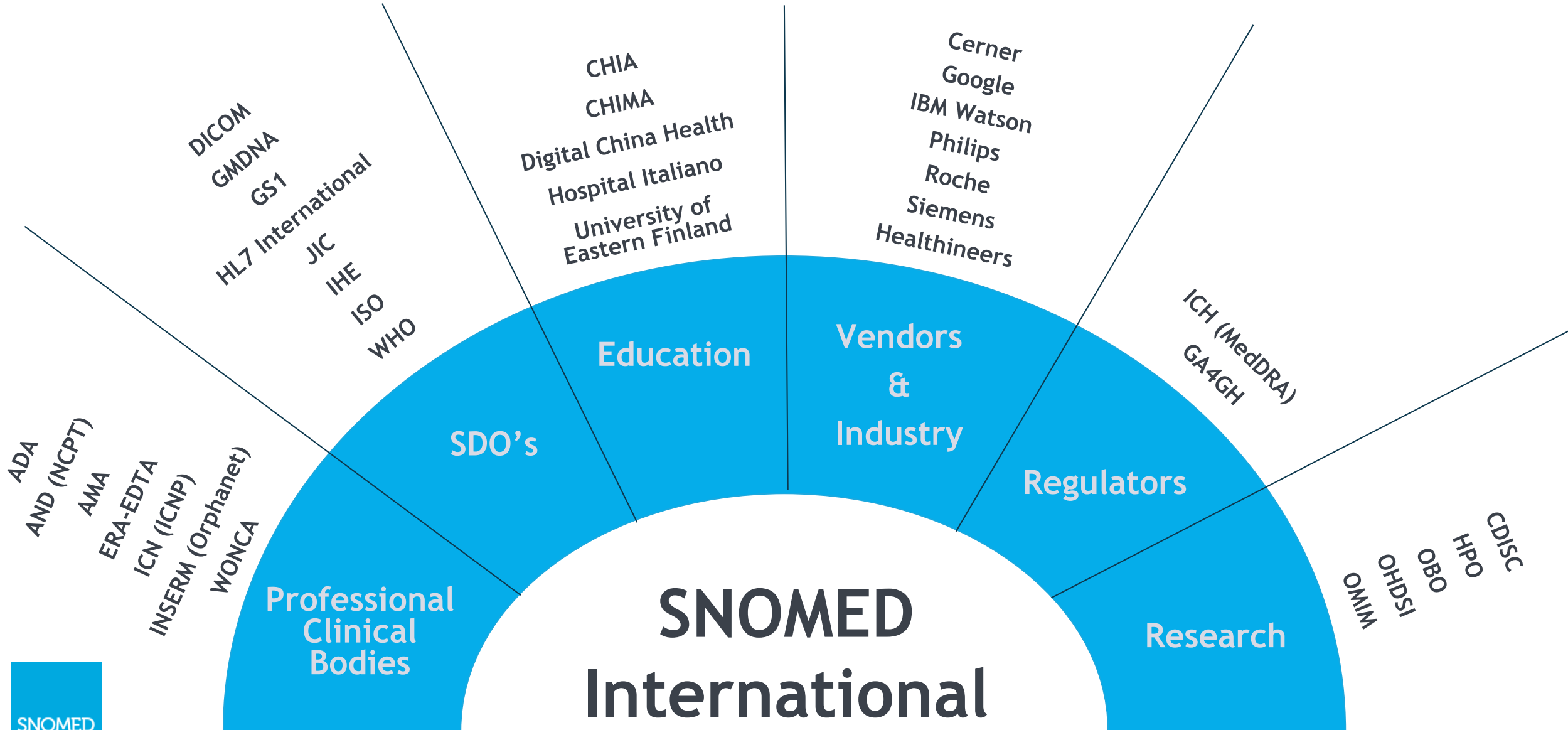
Collaborative Framework

SNOMED International has an active program of collaboration with international standards organizations and clinical, research and professional bodies in order to facilitate the use of SNOMED CT with other international standards

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 & Partnerships

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SNOMED International

SDO's
- DICOM
- GMDNA
- GS1
- HL7 International
- JIC
- IHE
- ISO
- WHO

Education
- CHIA
- CHIMA
- Digital China Health
- Hospital Italiano
- University of Eastern Finland

Vendors & Industry
- Cerner
- Google
- IBM Watson
- Philips
- Roche
- Siemens Healthineers

Regulators
- ICH (MedDRA)
- GA4GH

Professional Clinical Bodies
- ADA
- AND (NCPT)
- AMA
- ERA-EDTA
- ICN (ICNP)
- INSERM (Orphanet)
- WONCA

Research
- MIM
- OHDSI
- OBO
- HPO
- CDISC

SNOMED International

Products from Partnerships

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Content
Improvement & Additions

AND NCPT content
ICNP nursing content
NANDA-I content
Periodontal content
SDoH content

Maps

GMDN
MedDRA
Orphanet (INSERM)

Refsets & Freesets

DICOM
Dentistry Diagnoses
Dentistry Odontogram
ERA-EDTA
GP/FP
HL7 International IPS
ICNP 2019
IHE Profiles
Nursing

Other Products

HL7 - SNOMED on FHIR work
Global Patient Set (GPS)
Translated Education Products
UNICOM project deliverables

SNOMED International

Collaborations 2021 Pipeline

NEW Agreements	Continuing Partnerships		Agreement Renewals	Current & Upcoming Areas of Focus
AAP/EFP - Periodontology	ADA	openEHR	DICOM	Allergies
AND (NCPT)	AMA	WONCA	GMDNA	Devices
HPO	CDISC		GS1	EDQM
ICH (MedDRA)	ERA-EDTA		HL7 International	IDDSI
LOINC	GA4GH			NANDA
OHDSI	JIC			OBO
WHO	ICN (ICNP)			SDoH
	IHE			UCUM
	Orphanet (INSERM)			

Collaboration & Partnerships Glossary

- **AAP/EFP -** American Association of Periodontology & European Federation of Periodontology
- **ADA -** American Dental Association
- **AMA** - American Medical Association
- **AND (NCPT) -** Academy of Nutrition and Dietetics
- **CDISC -** Clinical Data Interchange Standards Consortium
- **CHIA -** Certified Health Informatician Australia
- **CHIMA -** Canadian Health Information Management Association
- **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
- **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
- **IDDSI -** International Dysphagia Diet Standardisation Initiative
- **IHE -** Integrating the Healthcare Enterprise
- **ISO -** International Organization for Standardization
- **JIC -** Joint Initiatives Council
- **NANDA -** NANDA-I
- **OBO -** Open Biological and Biomedical Ontologies Foundry
- **OHDSI -** Observational Health Data Sciences and Informatics
- **UCUM -** Unified Code for Units of Measure
- **UNICOM (project)**
- **WHO -** World Health Organization
- **WONCA -** World Organization of Family Doctors

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Clinical Engagement & Genomics

Ian Green

Watch the Clinical Engagement & Genomics Update

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Clinical Engagement

- **Clinical Reference Groups (CRG) and Project Groups (PG)** – increase in membership across all groups
- **Sex and Gender PG** – newly created project group focused on the addition/revision of SNOMED CT content (closed group)
- **Epilepsy CRG** – project group focused on the representation of epilepsy and seizures in SNOMED CT. Group is aligned to the International League Against Epilepsy (ILAE)
- **ICNP alignment group** – review of diagnoses and interventions complete, authoring work on alignment activities commenced

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Clinical Engagement

- **Education** – "SNOMED CT for Clinicians" course available. We have received positive feedback form initial subscribers

- **Clinical webinars** – following successful webinar series in 2020, a schedule will commence for 2021 following the April Business meeting

- **Clinical session at Business meeting** – scheduled clinical session providing external presenters and clinical updates

- **Clinical contact database** – development of a list of clinicians who can provide SME expertise to assist SNOMED International authoring team

Genomics & Precision Medicine

- **Phenotype authored content** – Developed 2,000 clinical phenotype concepts, currently for review and feedback in Community Content area

- **GA4GH/ISO SC1** – discussions on the implementation of "Phenopackets", messaging standard for the transfer of clinical phenotype information. Currently moving into implementation.

Genomics & Precision Medicine

- **Collaboration with HPO** - development of a SNOMED CT/HPO map, and exploring future opportunities linked to phenotype content creation.

- **Orphanet** – content project focusing on creation of Orphanet content in SNOMED CT, to support rare disease data management. Currently exploring how this can be implemented in rare disease registries

- **Precision medicine** – position paper has been developed, and has been submitted to the MB for approval prior to publication

Vendor Engagement

Nick Egarhos

Watch the Vendor Engagement Update

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New Sectors

- **Surgical Information System - TCC Casemix**
  - A solution that addresses the backlog in surgical procedures by tracking specific metrics within surgical suites, including procedure type/method/duration and devices (implanted), and coding procedures using SNOMED CT, demonstrating the direct linkage between coded data and outcome/efficiency targets.

- **Women and Children's Health - The Sovereignty Network (Africa)**
  - Turning paper records into easily accessible and measurable healthcare data, with integration into local EMR systems via SNOMED and FHIR data standards.
  - With a particular focus on reducing inequity for women, the goal of the initial implementation in Rwanda is to transform maternity health and child health care delivery through easy to use modules on tablets and phones.

- **Insurance - Medi2Data**
  - A solution that provides a data bridge between GP and insurance systems. Engaging with SNOMED to provide coded data to insurance, and discussions initiated to pilot analytics for insurance customers based on SNOMED coded data.

Global Tech Companies

- **Google**
  - The Google Healthcare Natural Language API parses unstructured medical text such as medical records or insurance claims, then generates a structured data representation (utilizing SNOMED CT) of the medical knowledge entities stored in these data sources for downstream analysis and automation. This necessitated the extension of the existing Google global licensing agreement.

- **Apple**
  - Working with Apple to structure a working group made up of SNOMED community stakeholders that will undertake the analysis and creation of Patient Friendly Terms within the newly developed Community Content area.

- **Microsoft**
  - Text Analytics for health enables developers to process and extract insights from unstructured medical data, utilizing an innovative architecture to connect to SNOMED CT and other terminologies/classifications. A pipeline that converts text into clinical information is the next logical step in using NLP and AI to derive insights from the wealth of data sitting in EHR systems that is currently untapped.

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Other Updates of Interest

- **Medscaler**
  - Help companies (both established and startups) with market introductions and implementing their solutions in the B2B healthcare market across European countries
  - Providing a 5 minute "what is SNOMED" educational video for their clients who are building ehealth technology

- **VeraTech (biobank)**
  - Discussions for a pilot that shows how to optimize the use of SNOMED CT in a biobank
  - Focus on analytics using a biobank - creating expressions to support the research process

- **Sophia Genetics**
  - Licensing for 2 platforms:
    - DDM - DDM Platform to help experts accurately detect and characterize genomic variants associated with cancers and hereditary disorders
    - Alamut - Enables deep exploration of variants on a genomic scale

- **Expo 2021 planning**
  - Sponsorship almost completely sold out
  - Only James Read and 2 session streams remaining (as of March 24)

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Education & Product Support

Liara Tutina

▶ **Watch the Education & Product Support Update**
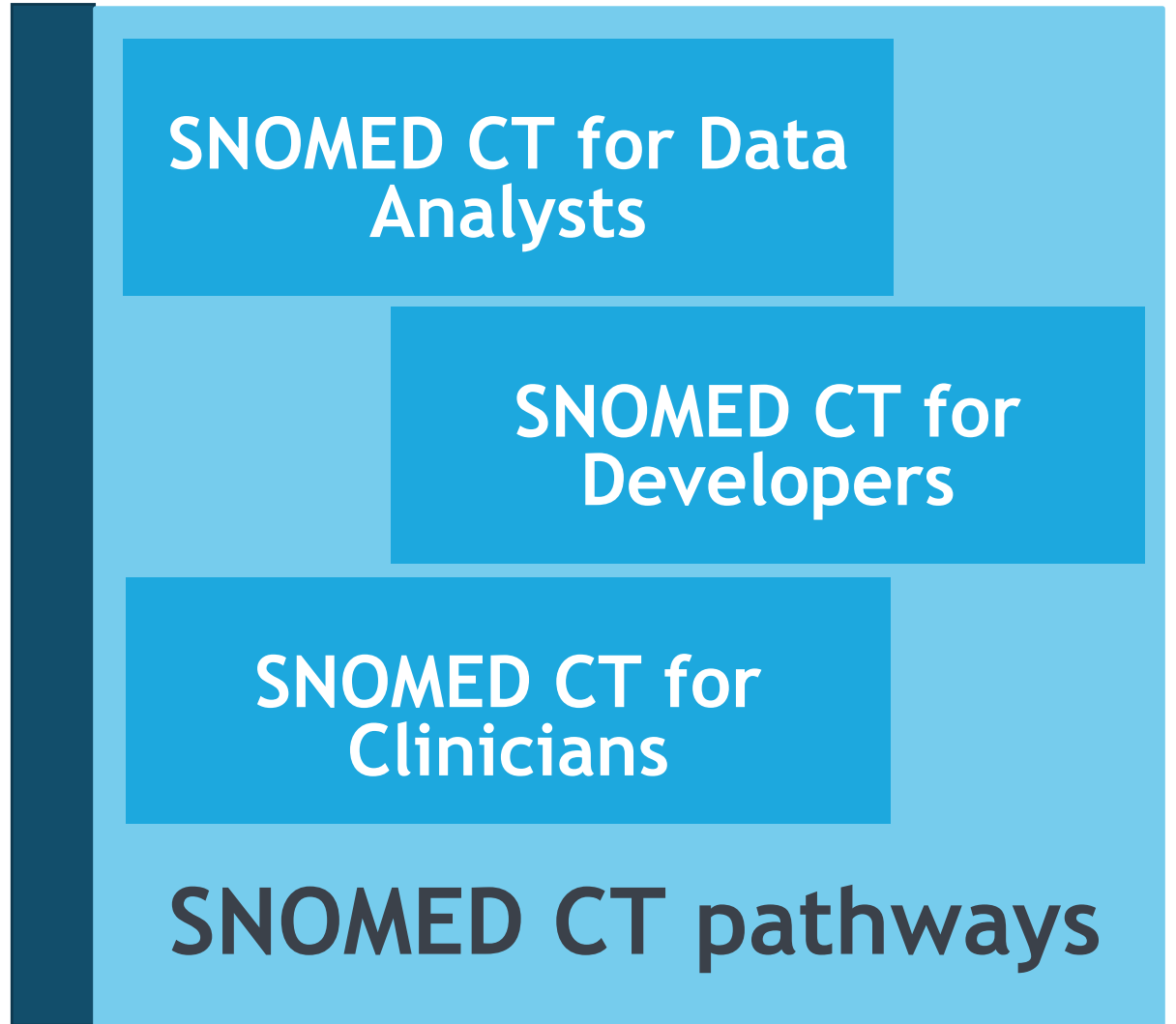
SNOMED International

SNOMED CT courses

- SNOMED International Management Board has approved free of charge access to all courses for Member countries.

Foundation (English & Spanish)	Implementation
Authoring Level 1	Terminology Services

To enroll, please visit our website:
https://courses.ihtsdotools.org/

SNOMED CT for Data Analysts

SNOMED CT for Developers

SNOMED CT for Clinicians

SNOMED CT pathways

SNOMED CT certifications

Terminology Services

The SNOMED CT terminology services certification recognizes your competence in using a SNOMED CT terminology server to search and retrieve SNOMED CT content.

Authoring Level 1

This certification recognizes your competence in performing basic SNOMED CT authoring tasks.

To enroll, please visit our website:
https://courses.ihtsdotools.org/

Continued Professional Development

CANADIAN HEALTH INFORMATION MANAGEMENT ASSOCIATION

Foundation Course	3 CPE
Implementation Course	15 CPE
Authoring Level 1 Course	15 CPE

CERTIFIED HEALTH INFORMATICIAN AUSTRALASIA

Foundation Course	11 CPD
Implementation Course	50 CPD
Authoring Level 1 Course	60 CPD

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Education projects

Authoring Level 2 course

Authoring Level 2 course will offer advanced level training in SNOMED CT authoring. Development is underway with pilot due to commence in September 2021.

Foundation course upgrade

SNOMED CT Foundation course upgrade will deliver enhanced content and course design. Project planning phase is underway.

Education partnerships

Support and promote SNOMED International partnerships with education providers to enhance SNOMED CT education outreach globally.

Products & Services

Rory Davidson

▶ Watch the Product & Services Update

A few SNOMED numbers for 2021

64,084 Changes to existing concepts in January release

435,031 Views of Confluence pages

3,000 ZOOM meetings

72,000 Snowstorm Docker image pulls

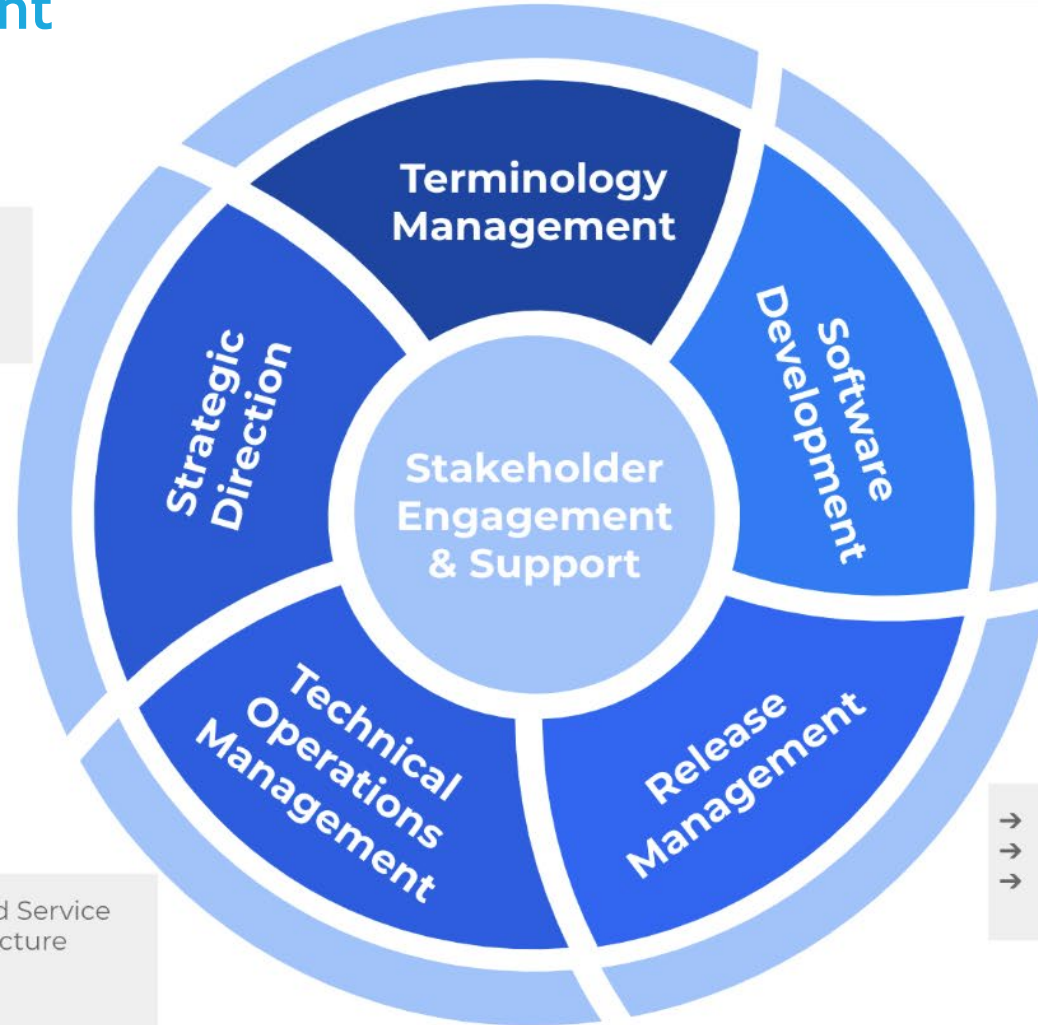**130** Attendees to Online Developer Training Days

5 New Products & Services team members since September 2020

Products & Services Group

- **Content & Mapping**
- **Release Management**
- **Technical Services**

→ 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

Terminology Management

Strategic Direction

Software Development

Stakeholder Engagement & Support

Technical Operations Management

Release Management

Products & Services
2021 Strategic Items

Wider Collaboration & Easier Access

Community Content

Distributed & Collaborative Authoring

Terminology as a service

Content Domain Coverage

Genomics

Social Determinants of Health

Vaccines

Nursing

Nutrition

Traditional Medicine

Cancer Synoptic Reporting

Technology Growth

Concrete Domains

Frequent Releases

Template Management

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Content & Mapping

Monica Harry &
Dr. Jim Case

▶ Watch the Content & Mapping Update

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SNOMED International

Priority content

- **QI -** clinical findings and procedures restructuring and template development

- **Social Care -** content added from Gravity; requirements gathering ongoing

- **Vaccines -** Completed remodelling of: vaccine product; administration of/allergy/adverse reaction to vaccine; COVID-19 vaccine-related concepts were added for the 2021-January Release

- **Pathology -** Ongoing review of >500 imported concepts from the Nebraska Cancer Synoptic Reporting project; ICD-O alignment

- **Devices -** Inactivation of redundant/duplicate content; refinement of model to define a device

SNOMED International
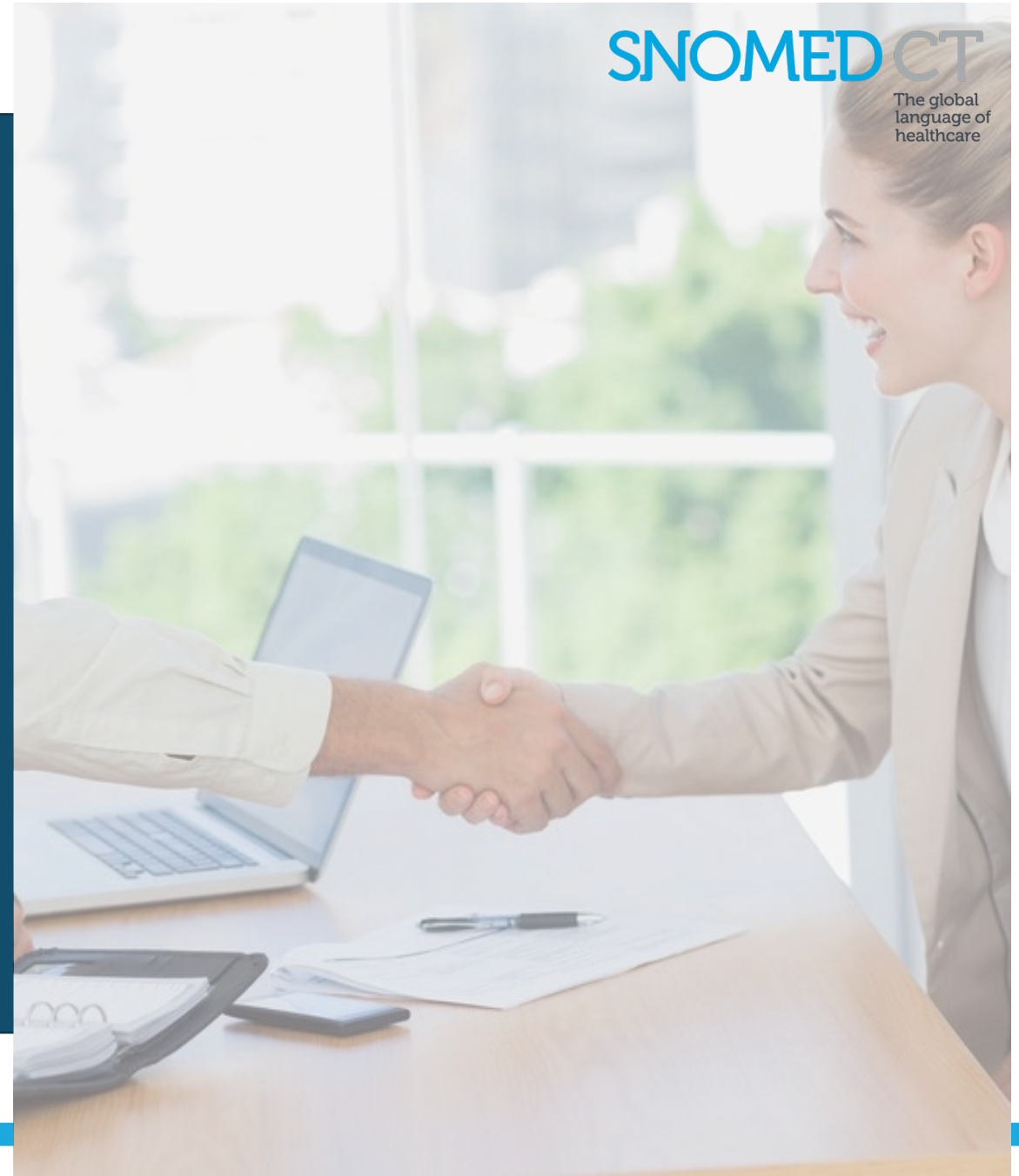
Member support

- **ICD-11 -** ongoing addition of content

- **Sex, Gender -** Project established, analysis ongoing

- **Traditional Medicine -** Project established, new content added to Community content area for review

- **Nursing -** content added for July 2021 to cover gaps SCT to ICNP

- **Nutrition -** on target adding 300 NCPT per release

- **Community Content** - Genomics (HPO), Pathology, Branded vaccine products: **reviewing community content additions**

Collaboration support

- Unicom

- CMT

- Mental and Behavioural Health

- Epilepsy

- Dentistry

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Mapping projects

- ICD-10

- Orphanet - rare diseases

- MedDRA - bi-directional map

- ICD-11 Pilot project

- GMDN Equivalence table

Release Management

Andrew Atkinson

Watch the Release Management Update

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New Product Releases

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MedDRA

1. The first SNOMED CT MedDRA Simple Map package Production Release will published on 30/04/2021

2. This will include 2 maps - full details will be included in the Release Notes.

COVID-19 Content

1. COVID-19 Vaccines content was included in the January 2021 International Edition and added to the GPS.

2. Further important Vaccines content will be included in the July 2021 release + the September 2021 GPS release.

Orphanet

1. The first SNOMED CT to Orphanet (Rare Diseases) Map package Production Release will be published on 30/09/2021

2. Full details will be included in the Release Notes.

International Edition Release Updates

- The January 2021 International Edition introduced critical new COVID-19 vaccines content. The July 2021 release will include yet more vaccines content and the relevant concepts will be added to the September 2021 GPS release.

- Updates about content relating to COVID-19 can be found here:

  https://confluence.ihtsdotools.org/display/snomed/SNOMED+CT+COVID-19+Related+Content

- The July 2021 release will also include Concrete Domains for the first time in a Production release - full details will be included in the Release Notes.

- Following SNOMED International's first "out-of-cycle" International release in March 2020, we are planning a move to more Frequent Delivery of the International Edition within the next year - communications to follow this year…

Terminology Release Advisory Group

Tuesday 20th April 2021 +

Wednesday 21st April 2021

09:00 to 12:00 UTC

(remote conference call)

1. Wide variety of agenda items covered, including those listed opposite:
2. Please feel free to read the minutes and post any questions
3. Observers are welcome as always, and we'd like to thank everyone for their dedication in attending at some "interesting" times of day + night!

1. Frequent Delivery

02. Concrete Domains

03. Separation of derivatives

Advanced Notice of changes to the Release schedule for the SNOMED CT International Edition

- With the impending plans to move to a more Frequent Delivery schedule of the SNOMED CT International Edition (starting with a monthly cycle within the next year), we are now considering the requirements for review and feedback periods inherent in the current Release schedule.

- Given the relative stability of recent releases, and the increased pressure that a Monthly release schedule would put upon the reviewers in the community, we are now considering removing the Beta and Member release periods which currently allow feedback to be provided before the final Production release is published. This change would be implemented from the transition to Frequent Delivery onwards.

- If you can foresee any issues with this please contact SNOMED International ASAP at support@snomed.org with "International Edition Member release schedule question" in the subject line.

- Or you can also join the Terminology Release Advisory Group sessions during the April Business Meeting, and provide details of the requirement to retain either or both of these review periods.

Technical Operations and Managed Service

Terance Shird

Watch the Technical Operations & Managed Service Update

Tooling Updates

- Public SNOMED Browser (https://browser.ihtsdotools.org)

  - Addition of a history feature to display what's happened to a concept

- SNOMED Authoring Platform (Snowstorm)

  - Addition of support for Concrete Domains
  - Various bugs squashed
  - Improvements to Bulk Import service

- Community Content Browser (https://community-browser.ihtsdotools.org)

  - Cancer Synoptic Reporting
  - Common French Translation
  - Genomics
  - Traditional Medicine

- Concrete Domains Preview Browser (https://concrete-browser.ihtsdotools.org)

  - Collating Feedback

Technical Operations

- Server Migrations

- New Security Certificate Infrastructure

- New Infrastructure Monitoring Solution

- Auto-Scaling Improvements to Classification and Validation Services

- Planned for 2021
    - Configuration and Key Management
    - Migration to new Java Version
    - Annual Security Review
    - Improvements to Software Deployments (Downtime Reduction)

Members Managed Service

- No new members since October but discussions ongoing with three potential new customers.

- Request Management Portal

  A simple tool to help NRC's track requests for change to Extension content has been developed and a Proof of Concept has been held with the help of the Danish NRC. A demo is being run in the Managed Service User Group meeting on Wednesday.

- Tooling Updates

  Session on the latest tooling developments for the Managed Service since the last business meeting.

- Frequent Releases

  Discussion on what Frequent Releases means for the Managed Service.

- Roadmap Update

Send your questions to
info@snomed.org

▶ <u>**Watch the Full Community Update**</u>

Submit an abstract for the Expo by April 30th

SNOMED CT Expo, October 28-29, 2021