

2020-2025 Strategy & Progress Update

Joanne Burns - Chair, Management Board
Don Sweete - Chief Executive Officer

snomedexpo.org



@snomedct



linkedin.com/company/ihtsdo/



Our Achievements 2020

Throughout the course of 2020, the organization has successfully delivered against a new strategy, executing set priorities and focusing in on new opportunities.

Organization & Product

- 1. New Members
- 2. Genomics, vaccines, traditional medicine, COVID-19 Content & Coding Guide
- 3. Global Patient Set
- 4. ICN and AMA Collaborations
- 5. Value of SNOMED CT
- 6. Education Delivery Growth

Governance & Advisory

- Measuring the success of the organization
- 2. General Assembly & Member Forum engagement
- 3. Management Board composition & recruitment

Strategy

- 1. Actioning 2020 strategic deliverables
- 2. Measuring success: Framing key performance indicators
- 3. Looking to 2021





To learn more visit: snomed.org/

Represented by the Ministry of Health and Welfare,
SNOMED International welcomes the Republic of Korea as the newest Member to the organization.

39 Members

5 Americas

24Europe, Middle East and Africa

10 Asia Pacific

Research

Prevalence of suspected COVID-19 infection in patients from ethnic minority populations:

in early 2020, from its origin in Wuhan,

In the UK, early attention focused on

hospital presentations and intensive care

capacity, the timely supply of equipment,

and, latterly, the increasing death rate in

Community testing, which forms part of

policy, ceased in England on 12 March

2020,6 hence the extent of asymptomatic and

milder symptomatic cases in community

settings remains unknown. Early evidence

from testing among passengers on cruise

ships suggested that 18% of infected people

were asymptomatic.7 The figures are likely

to be higher in populations with a younger

Up to mid-April 2020, London had the

(compared with 36.6 deaths per 100 000

(Newham = 144.3, City and Hackney = 127.4,

and Tower Hamlets = 122.9 per 100 000

population).8 Data from the Office for

COVID-19

a

care home settings.3-5

demographic profile.

SA Hull, MSc,

analyst; K Bo

clinical lectur

and Health (

reader in pr and Public

China, led the World Health Organization

to declare a pandemic on 11 March 2020.

a cross-sectional study in primary care

Abstract

practice has seen a rapid uptake of technology to allow for virtual consultations, little is know

Design and setting

Cross-sectional study using anonymised data decile of social deprivation in England.

Suspected COVID-19 cases were identified Explanatory variables included age, sex, selfreported ethnicity, and measures of social

GPs recorded 8985 suspected COVID-19 cases

between 10 February and 30 April 2020. Univariate adults compared with white adults. In a fully for black natients was 1.47 (95% CL = 1.38 to 1.57).

TOGETHER WE CAN

rates in the most deprived areas of England

least deprived areas, and that males had

From an early stage in the UK epidemic,

people with symptoms suggestive of

COVID-19 were advised not to attend their

general practice in person, and to use online

or phone contact with NHS 111.10 Throughout

general practice there was rapid uptake of technological solutions to facilitate a shift

enabled GPs to manage community cases,

despite the national failure to share COVID-19

test results done by drive-through or home-

based testing services.11,12 Practices worked

collectively to provide separate locations

for the necessary physical examinations of

people with suspected COVID-19 cases and

Concern has been raised about the higher

fatality rate of black, Asian, and minority

from these groups.14 Potential explanations

these populations, as well as housing and

The population of east London includes

occupational hazards.

for those with other medical problems. 13

higher death rates than females

The rapid worldwide spread of COVID-19 | were almost twice as high as those in the

standard public health test and quarantine to telephone and video consultations, which

highest age-standardised mortality rate for ethnic (BAME) patients in intensive care

deaths in the UK reported as coronavirus, units, and the disproportionate numbers of

with 85.7 deaths per 100 000 population | deaths of health and social care workers

in England).8 Three of the four east | for this greater risk include higher rates

London localities in this study had death of long-term conditions such as diabetes rates in the top five for London boroughs and ischaemic heart disease among

National Statistics (ONS)8 and the 55% of people from minority ethnic

OpenSAFELY study indicate that mortality | backgrounds. 15 Hence this geographical

88

COVID-19 report



SNOMED CT

Content included in the Jan 31 SNOMED CT International Edition.

Interim version of the SNOMED CT Intl Edition released March 9.

Content included in the GPS and an updated SNOMED CT to ICD-10 map.

ALLIANCES

SNOMED CT representation within the COVID-19 Interoperability Alliance and the COVID-19 Healthcare Coalition to offer clinical, demographic, and administrative resources.

MEMBER ENGAGEMENT

Release of the COVID-19 data coding guide using SNOMED CT.

The Organization also extended flexibility in paying Member fees as well as waiving interest.

IN ACTION

"Prevalence of suspected COVID-19 infection in patients from ethnic minority populations"

Suspected COVID-19 cases identified using SNOMED CT codes.

Outcomes showed a two-fold increase in the odds of suspected COVID-19 for South Asian and black adults compared with white adults.



Germany

A research footprint

 The Federal Ministry of Research has extended Medical Informatics Initiative participants nationwide a license to use SNOMED CT.

• With SNOMED CT, clinical data from different countries will be compared and used for research purposes. This creates prerequisites for treating diseases more effectively in the future and recognizing them faster, supporting prevention.

Established March 2020



Building a foundation for wider use of SNOMED CT within Germany



Education

A Growing Network of Delivery Partners

Laying the groundwork for SNOMED CT education in non-English markets, the organization continues to broaden its education delivery network to expand knowledge and use of SNOMED CT.

- AMERICAS: Hospital Italiano
- EMEA: University of Eastern Finland
- ASIA PAC: Digital China Health

3 education delivery partners









Strategy

2020-2025









STRATEGIC PROGRESS at a Glance

- 1. 5 Year Strategy
- 2. Strategic Directions & Progress
- 3. Tracking Completion& Measuring Success
- 4. 2020 Ongoing Operations
- 5. Next Steps



A 5 Year Strategy The Direction

Throughout 2020 and amid activities supporting COVID-19, SNOMED International has been actively delivering against the 2020-2025 organization strategy, laying the foundation for imperative product enhancements and innovations.



3 Strategic Directions 6 Priorities Measurable Value





| Products & Services | Adoption & Consumption | | Innovation |
|--|---|---|--|
| SCT as a Service: | Adoption & Consumption Channel strategies | Implementation Support | Artificial Intelligence ID and engage pilots and |
| Core, Intl & Community content PH1 Service scope, policies and | Define digital maturity model | Education Identify delivery partners | partners |
| process development | Augment value prop and comms plan w/ channel strategies | Global Patient Set | Skills Development Skills assessment reqts |
| Content Roadmap QI, Social Care & SDoH Plan, Vaccines | Identify education partners | Develop and refine artefacts to evolve GPS | Define resource plan |
| & Device planning | | Refset/Subset Management Stakeholder reqts analysis | Emerging Technology for Stakeholder Needs |
| Terminology Integrator (TI) Gather requirements | Gather onboard vendor reqt's | Define profess and comms for central management | Environmental scan Feasibility Study |
| Value Proposition | Evolve and deploy Member onboarding artefacts | Translation & Member Collaboration | Stakeholder Engagement R&D Activities |
| Delivery report & messages | | Feasibility for medical translation tool via partnerships Refresh translation white paper | Back mapping feasibility Proof of concept |
| | Author analytics name Posticinate in granul | Process for joint translations | 11001 of concept |
| | Author analytics papers, Participate in research Join relevant orgs Pitch vendors | Royalty Based Partnerships | |





Products & Services

Products & Services activities have focused on furthering completion of the Quality Initiative and content development roadmap in the areas of social determinants of health and devices. The ICD-11 project continues to progress with content, mapping and communications activities.



Products & Services Initial scoping and design sessions across all items initiated in Q1 SCT as a Service: Plan Definition, guidelines/policies, and quality levels to commence post July 2020 release Core, International & Community Content activities have initiated with the drafting of a Core, Intl & Community content discussion paper outlining potential definitions and criterion for the proposed core, international PH1 Service scope, policies and process development and community content areas for review and feedback from governance bodies. Content Roadmap OI Iteration 1 and 2 underway, along with Genomic content QI, Social Care & SDoH Plan, Vaccines & Device planning Social determinants of health analysis and devices content scope underway Project Charter developed & inventory complete for terminology integrator framework. Terminology Integrator (TI) Gather requirements ICD-11 Project charter created, scope identified. Map generation vendor identified, contracted and delivery expected Q3 Value Proposition Value Proposition and case for Investment charter finalized. Value proposition deliverable Delivery report & messages received by the organization. Phase 2, case for investment, initiated. SNOMED CT Value Series Chapter 1 finalized.





Adoption

Adoption activities have focused on progressing education and onboarding deliverables in addition to developing vendor relationships supporting SNOMED International analytics priorities.



Adoption & Consumption Adoption & Consumption Channel strategies linked to value proposition deliverable commencing in Q2 Channel strategies Define digital maturity model Augment value prop and comms plan w/ channel strategies Identify education partners Initiated and in progress Gather onboard vendor regt's Evolve and deploy Member onboarding artefacts Author analytics papers, Participate in research First vendor-issued blog by Nuance featuring SNOMED CT as foundation element for AI Join relevant orgs, Pitch vendors Discussions underway to formalize participation in translational research project

Steps initiated to align SNOMED International with Align CRO





Adoption & Consumption

Implementation Support

Education

Identify delivery partners

Global Patient Set

Develop and refine artefacts to evolve GPS

Refset/Subset Management

Stakeholder reqts analysis Define profess and comms for central management

Translation & Member Collaboration

Feasibility for medical translation tool via partnerships

Refresh translation white paper Process for joint translations

Royalty Based Partnerships

Priority languages identified necessary for identifying potential education delivery partners

The GPS updated for COVID-19 and ongoing marketing of GPS via industry publications (2)

Portuguese translation of SNOMED CT Foundation Course received





Innovation

Innovation activities have focused on establishing relationships with prospective partners to further our strategic progress.



Innovation

Artificial Intelligence
ID and engage pilots and partners

Skills Development
Skills assessment reqts
Define resource plan

Emerging Technology for Stakeholder Needs

Environmental scan Feasibility Study Stakeholder Engagement

R&D Activities

Back mapping feasibility

Proof of concept

Identification of pilots & partners and engagement with partners initiated

Development of approach to support environmental scan initiated

Started design & development of the second iteration of the analytics tool targeting user scalability.

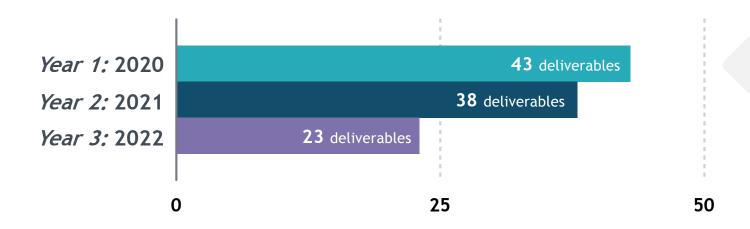
Successful application for collaborative work with the University of Manchester to develop software to build sub-ontologies. Project commencing in July 2020.

Ongoing discussion with Discovery East London to collaborate on the use of post-coordinated expressions to represent existing SNOMED CT coded data for analytics.

Ongoing investigation of techniques to use to create a map from SNOMED CT to ICD-11 and the map creation itself.



Tracking Completion A 3 Year Look



43 deliverables

At the completion of 2020, the organization will have delivered 26% of the total items comprising the 2020-2025 Strategy.

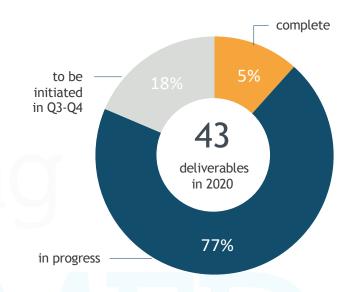


Tracking Completion 2020 Progress

As at September 2020...

5% of 2020 deliverables have been completed

77% of 2020 deliverables are in progress



Achievement against Target

The organization is on target to achieve ~90% of its forecasted 2020 target.

Development genomics content has been *fast tracked* for delivery ahead of the 2021 & 2022 forecast.

COVID-19 has impacted delivery of conference and speaking engagement deliverables.



Thank You.

SNOMED CT

The global language of healthcare





