From Read to SNOMED CT
SNOMED CT in primary care

Information and technology for better health and care

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What is SNOMED CT?

- A national common vocabulary of ‘Clinical phrases’ e.g. headache, asthma for electronic systems
- Has content for all clinical professions and specialties to enable interoperability e.g. primary and secondary care
- dm+d is a separate product (dictionary of medicines and devices) but also uses SNOMED CT
- Will replace the current Read codes.
Are they very different?

<table>
<thead>
<tr>
<th>Onset</th>
<th>Problem / Detail</th>
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</thead>
<tbody>
<tr>
<td><strong>Current Problems</strong></td>
<td></td>
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<tr>
<td>29-Aug-2012</td>
<td>Osteoporosis</td>
</tr>
<tr>
<td>29-Oct-2010</td>
<td>Ischaemic optic neuropathy</td>
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<tr>
<td>2006</td>
<td>Myeloproliferative disorder</td>
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<tr>
<td>28-Apr-1995</td>
<td>Backache NOS</td>
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<tr>
<td><strong>Past Problems</strong></td>
<td></td>
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<tr>
<td>26-Sep-2014</td>
<td>Postoperative wound infection, unspecified</td>
</tr>
<tr>
<td>29-Jul-2014</td>
<td>Total prosthetic replacement of hip joint NOS</td>
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<tr>
<td>11-Jun-2014</td>
<td>Hip pain</td>
</tr>
<tr>
<td>07-Feb-2013</td>
<td>Diagnostic colonoscopy</td>
</tr>
<tr>
<td>31-May-2012</td>
<td>Pelvic pain</td>
</tr>
<tr>
<td>06-Nov-2008</td>
<td>Essential thrombocytosis</td>
</tr>
<tr>
<td>13-Nov-2009</td>
<td>Essential thrombocytosis</td>
</tr>
<tr>
<td>14-Jun-2011</td>
<td>Posterior vitreous detachment</td>
</tr>
<tr>
<td>22-Mar-2010</td>
<td>raised bp (without diagnosis of hypertension)</td>
</tr>
<tr>
<td>06-Jan-2010</td>
<td>Other retinal disorders</td>
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<tr>
<td>26-Aug-2011</td>
<td>Myeloproliferative disorder</td>
</tr>
</tbody>
</table>
Why replace Read?

- **Business:**
  - Currently we have three clinical vocabularies for EPRs, two in primary care – we need ONE!
  - Content for all healthcare, all specialties
  - Potential to save time and money as electronic data exchange increases

- **Technical:**
  - Today’s technology
  - Addresses shortfalls in Read

- **Improve patient care!**
  - One will enable electronic data sharing and data exchange
  - International: shared effort and supports activity such as rare diseases and genomics
  - Will enable improved patient care through improved data analysis
SNOMED CT is a **national standard** under the Health and Social Care Act.

The standard has required implementation dates for **providers of healthcare**:

- **Systems used by GP service providers** must adopt SNOMED CT as the clinical terminology within the system before the **1 April 2018**. SNOMED CT must be utilised in place of the Read codes before 1 April 2018.

- **Secondary Care, Acute Care, Mental Health, Community systems, Dentistry** and other systems used in the direct management of care of an individual must use SNOMED CT as the clinical terminology before **1 April 2020**.

- **Social Care** is in scope of the standard but there are currently no required implementation dates. This is expected in a future update to the standard.
How: transition to SNOMED CT

- Read coded Data in systems now has an associated SNOMED CT code
- When systems switch to SNOMED CT, the system will also ‘add’ an equivalent Read code where it can (a given subset of SNOMED CT)
- Where dual coded, existing searches, reports, templates, protocols will continue to work – until content only in SNOMED CT is required

Historical data has SNOMED CT and Read codes

Dual coding continues – planned till April 2020

Supplier Solutions Development and Testing

April 2018 onwards – systems utilise SNOMED CT
Time Lines

• SNOMED CT Transition live from April 2018

• MiQuest supported under GPSoC framework until Dec 2018

• Dual coding of historical and live data until April 2020
National Maps

- National Maps exist from Read to SNOMED CT. Maps are designed to be used in one direction **only**; available from TRUD in *NHS Data Migration pack*

Browsers & Mapping Look Ups

Available

- LATEST NEWS
- KEY PUBLICATIONS
- EDUCATION & TRAINING
- QUERIES & RESPONSES
- BROWSERS & MAPPING LOOK UPS
How it will affect Users

Data entry - adding data similar, will select SNOMED CT terms. Some terms previously used may no longer be available; hierarchy will change slightly.

- Data Quality Guidance available from NHS Digital (Delen)

Searches – when new terms used, searches will need updating
Need understanding of SNOMED hierarchies and insight into how historical data is mapped.

- Designing Searches Guidance available from NHS Digital (Delen).

Data Analysis - in-house data warehouses will be impacted. The SNOMED CT tables need to be loaded and analysts need to understand how their SQL searches will need to change.

- Technical Guidance available from NHS Digital (Delen).
Role of NHS Digital - SNOMED CT

1. NHS Digital SNOMED CT in primary care programme - established to support & facilitate the implementation of SNOMED CT in primary care.

2. Highlight the benefits that can be achieved through SNOMED CT, which provides a rich and sophisticated clinical terminology nomenclature.


4. Support CCGs, as local commissioners of GP IT services - ensuring relevant / timely advice & guidance.
Role of CCGs

Ensure general practices are fully sighted of transition to SNOMED CT - signpost support available

GP IT Operating Model ‘core and mandated’ requirement - comprehensive data quality advice/guidance service is available to general practice – review in light of SNOMED CT requirements

Ensure GP IT delivery partners are fully prepared, training materials updated and support staff fully prepared

Opportunity for housekeeping / review of local reports, templates

Review any local commissioned reporting/data analysis services – ensuring that data warehouse, extraction and analysis tools can accommodate SNOMED CT

If CCGs have not yet provided NHS Digital with a Nominated Point of Contact for SNOMED CT related matters, please email snomedprimarycare@nhs.net
Key Publications - SNOMED CT Implementation in Primary Care

Below are a list of publications to support different facets of the transition from Read to SNOMED CT.

Note: Some of these are links to documents hosted on external sites and whilst we make every effort to ensure such links work, please let us know if you find a broken link.

Plans & Roadmaps

- Principal Clinical Supplier Implementation Roadmap
- Microtest Evolution Transition to SNOMED CT - Implementation Approach v1.0
- EMIS Web Transition to SNOMED CT - Implementation Approach v1.0
Communications

- Bulletins: (NHSE and NHSD) – CCG, GP
- JGPITC letter to all practices and LMCs
- Webinars: Intro, Exploring SNOMED, Designing searches, Data Quality, QOF in SNOMED - PLUS recordings and slides
- Presentations at NUG, conferences, regional events
- Resources: data quality, data warehouse changes, searches
- Forums: CCGs, Train the trainer
- Workshops: CCGs, CSUs, GP IT Service providers, Trainers
- Referenced in CCG questionnaire and Digital primary care maturity assurance tool
- Monthly Snap updates to named CCG contact (named contact for every CCG)
Illustration of approach: QOF

• QOF for 2017/18 will be run using Read codes
• QOF for 2018/19 will be in SNOMED CT only
• The business rules team have produced a baseline in SNOMED CT using current QOF
• This is being used for supplier testing ahead of 18/19
Plan ahead

What should NHS Health Checks Leads be planning now:

- **Gaining awareness**
  - Listen to webinar sessions
  - Gain some familiarity with SNOMED CT

- **Review / identify how NHS Health Checks queries provided**
  - Commercial software, e.g. Apollo
  - GP Clinical System Reporting Tools
  - CSU provided queries – do they use MiQuest?
  - Local General Practice – do they use MiQuest?
  - Local Authority - do they use MiQuest?

- **Check current data quality**
  - Read Data Quality guidance, does practice of code usage need to change
Plan ahead

• Understand the timelines
  ▪ SNOMED CT impacting on NHS Health Check data items
    – How will you monitor when new SNOMED CT codes, without Read equivalent introduced?
  ▪ MiQuest ‘end of life’

• Confirm with your provider for NHS Health Checks queries / reports
  ▪ Do they have plans to migrate from READ /CTV3 to SNOMED CT?
  ▪ Do they use MiQuest as a query language and do they have plans to replace?
  ▪ What are their timelines for the above

• Understand what your CCG’s are doing to transition to SNOMED CT
  ▪ How does NHS Health Check fit into this plan?

• Understand what your options are for replacing current process if required
Any Questions?

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