

TPP SystemOne

Guide to SNOMED CT changes for General Practice Users

Please note that this guide has been produced by NHS Digital in liaison with TPP and is provided under the Open Government Licence. CCGs/CSUs may wish to tailor this document to meet their needs.

SNOMED CT is the clinical terminology chosen to replace Read codes within the NHS. Since April 2018 TPP has been working to support Primary care users in the transition to SNOMED CT.

For this first step on the transition, coded information in SystemOne will remain in CTV3(Read) coded format and mapped to SNOMED. In effect, data will be dual-coded in CTV3 and SNOMED CT. Users will notice some small changes to existing SystemOne functionality. Though users may still use CTV3, they should begin using SNOMED in the system to become familiar with its structure and its ability to provide greater expressivity in code selection and when required to report on patient data.

The screens below reflect the main changes and have been broken down into the various functions and tasks.

For further information about full set of changes, please refer to the supplier guidance document: 'SNOMED CT in SystemOne: Guidance for users.'

NHS Digital has provided various materials relating to the underlying reasoning behind the transition and the benefits that SNOMED CT can bring. These can be found on the NHS Digital [website](#).

Summarising and Coding:

Key Facts: Users will still be able to search for and record in CTV3(Read). You will also be able to search for SNOMED CT and by selecting from the SNOMED CT hierarchy (below) may be provided alternative terms.

SystemOne Code Browser

Search for SNOMED CT Code

K Browser R Synonyms R Formulary QOF Clusters

195967001

Name	CTV3 Code	Flags	SNOMED Code
Asthma	H33	☑	195967001
Asthma unspecified	H33z	☑	195967001

Toggle between SNOMED CT and CTV3 Hierarchy

Read Code Browser

R Browser R Synonyms R Formulary QOF Clusters Templates Settings

diabetes

Name	CTV3 Code	Flags	SNOMED Code
HbA1c level (DCCT aligned)	XaERp	☑	1019431000000105
Diabetes mellitus	C10.	☑	73211009
Type II diabetes mellitus	X40J5	☑	44054006
Diabetes monitoring invitation	XaCGh		310425007
H/O: diabetes mellitus	1434.		161445009
FH: Diabetes mellitus	1252.		160303001
Diabetes monitoring first letter	90L4.		185756006
Diabetes: practice programme	66AP.		170774007
No family history diabetes	1228.		160274005
Diabetes monitoring status	XaBU9		243860001
Diabetes management plan given	66AR.		170742000
Dietary advice for diabetes mellitus	Xa2h7		284350006
Diabetes monitoring admin.	XE2Nd		713671000000109
Diabetic retinopathy	F420.		4855003
Diabetes medication review	XaIM		394725008
Diabetic on diet only	66A3.		170745003
Diabetes care plan agreed	XaKSn		703040004
M/Family history of diabetes mellitus	ZV180		160303001
Exception reporting: diabetes quality indicators	XaJ4Q	☑	716911000000104
Diabetes monitoring check done	XE2Ne		270445003
Health education - diabetes	XaJ7D		385805005
Type I diabetes mellitus	X40J4	☑	46635009
Diabetes monitoring second letter	90L5.		185757002
Patient advised about diabetic diet	8CA41		284350006
Impaired glucose tolerance	X40Jh		9414007
Excepted from diabetes quality indicators: Informed dissent	XaJ4i	☑	716031000000106
Diabetes mellitus: no	Y093F	☒	
Housebound diabetes care	Y1604	☒	
Patient on maximal tolerated therapy for diabetes	XaJ5j	☑	407569005
Insulin treated Type 2 diabetes mellitus	X40J6	☑	237599002
Referral to diabetes structured education programme	XaKGy	☑	415270003
Understands diet - diabetes	66A9.		170753006
Diabetic neuropathy	X00Ag		230572002
Diabetes Education Completed : Footcare	Y2524	☒	
Gestational diabetes mellitus	L1808	☑	114687002
Excepted from diabetes qual indicators: Patient unsuitable	XaJ4h	☑	717421000000100
Has seen dietitian - diabetes	66A8.		170752001
Diabetes monitoring third letter	90L6.		185758007
Diabetes clinical management plan	XaJYg		736284000
Diabetes: shared care programme	66AQ.		170775008
Education : Diabetes monitoring technique	Y0351	☒	
FH: Diabetes mellitus in first degree relative	XaKYz		416855002
Attending diabetes clinic	XaE4q		312888008

75 Matches, refine search to view more results

SNOMED hierarchy

- Diabetes mellitus (73211009)
 - Acute complication with diabetes mellitus (762489000)
 - Atypical diabetes mellitus (530558861000132104)
 - Diabetes mellitus due to genetic defect in beta cell function (609568004)
 - Diabetes mellitus due to genetic defect in insulin action (609569007)
 - Diabetes mellitus due to pancreatic injury (105401000119101)
 - Diabetes mellitus during pregnancy, childbirth and the puerperium (199223000)
 - Diabetes mellitus in remission (703136005)
 - Diabetes mellitus with multiple complications (385041000000108)
 - Diabetes mellitus without complication (111552007)
 - Diabetic mastopathy (724136006)
 - Gingival disease co-occurrent with diabetes mellitus (716362006)
 - Houssay's syndrome (123763000)
 - Lactic acidosis with diabetes mellitus (735538002)
 - Lumbosacral plexopathy co-occurrent and due to diabetes mellitus (724997001)
 - Maternally inherited diabetes mellitus (335621000000101)
 - Metabolic acidosis with diabetes mellitus (730538004)
 - Pancreatic hypoplasia, diabetes mellitus, congenital heart disease syndrome (722206009)
 - Pre-existing diabetes mellitus (385051000000106)
 - Radiculoplexoneuropathy due to diabetes mellitus (724810001)
 - Secondary diabetes mellitus (8801005)
 - Stimmler syndrome (733072002)
 - Type 1 diabetes mellitus (46635009)
 - Type 2 diabetes mellitus (44054006)

Annotations:

- New SNOMED CT column
- CTV codes without a SNOMED CT match are identified with an icon in the flag column
- Greyed out = not selectable
- SNOMED CT with no matching CTV3/Local (Y) code

Searches and Reporting

Key Facts: Can now report using SNOMED CT hierarchy as well as CTV3. Default search includes SNOMED CT active and inactive codes (not ambiguous). Advanced options to change (as below). Search will return all CTV3 codes mapped to the SNOMED codes specified in the search.

The 'Select Read Codes' dialog box is shown with the 'Use SNOMED hierarchy' radio button selected. The 'Advanced options' button is circled in blue. The dialog contains four sections for selecting codes to match on or exclude from matching, each with a table of code names and icons.

Specific codes to match on
<input checked="" type="checkbox"/> Name
<input checked="" type="checkbox"/> Asthma
<input checked="" type="checkbox"/> Asthma unspecified
<input checked="" type="checkbox"/> Asthma NOS

Codes and their children to match on
<input checked="" type="checkbox"/> Name
<input checked="" type="checkbox"/> Hodgkin's disease
<input checked="" type="checkbox"/> Hodgkin's disease NOS
<input checked="" type="checkbox"/> Hodgkin's disease NOS, unspecified site
<input checked="" type="checkbox"/> Other Hodgkin's disease

Specific codes to exclude from matching
<input checked="" type="checkbox"/> Name
<input type="checkbox"/> Nothing selected

Codes and their children to exclude from matching
<input checked="" type="checkbox"/> Name
<input type="checkbox"/> Nothing selected

The 'Select Read Codes' dialog box is shown with the 'Advanced options' button selected. The 'Include inactive codes from the SNOMED hierarchy without ambiguous code' radio button is selected. The dialog contains four sections for selecting codes to match on or exclude from matching, each with a table of code names and icons.

Specific codes to match on
<input checked="" type="checkbox"/> Name
<input checked="" type="checkbox"/> Human body structure

Codes and their children to match on
<input checked="" type="checkbox"/> Name
<input type="checkbox"/> Nothing selected

Specific codes to exclude from matching
<input checked="" type="checkbox"/> Name
<input type="checkbox"/> Nothing selected

Codes and their children to exclude from matching
<input checked="" type="checkbox"/> Name
<input type="checkbox"/> Nothing selected

Templates

Key Facts: By using the browser, users can now **search and select** SNOMED CT to identify the corresponding CTV3 codes, e.g. to specify which codes are used within components. Users can now **restrict** a component to use the SNOMED hierarchy (e.g. specify that this component can only look at diabetes and its children in SNOMED CT).

Note: All national reports are now specified in SNOMED.

Configure Template Read Code Box

Read code box label: Read code box

Restrict to SNOMED children

Top-level Read codes permitted: [R] Name [X] Icon

Nothing selected

Allow back-dating when a Read code is selected

Allow future-dating when a Read code is selected

Put selected Read code into Read Code Journal

Put selected Read code into Summary

Episodicity of Read code (required for some QOF indicators): [v]

Create problem for this Read code (multiple problems for the same Read code will not be created)

Show amend notes button

Data entry requirement status: No requirement for data entry

Data entry requirement linked report: [+] [i] [X]

Requirement status if returned in report: No requirement for data entry

Amount of component width to use for data entry: 50 %

Component label goes here: [] Component data entry field goes here: []

OK Cancel

SNOMED CT checkbox

Information: The system will present you with this brief reminder to make relevant updates elsewhere. This can be switched off after viewing for the first time.

Information

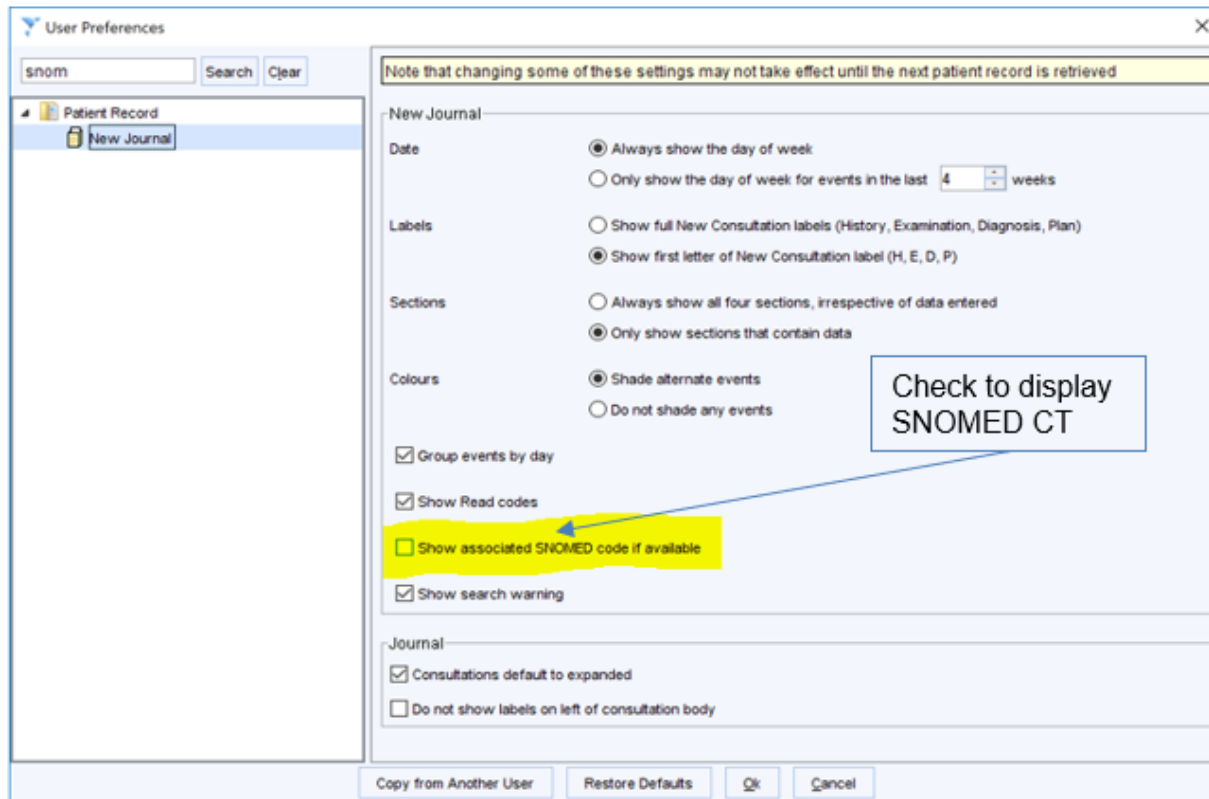
You have amended this component to use a different code terminology. You may need to also amend any associated protocols, reports, or calculators to keep them consistent with this template.

Show Message Next Time?

OK

Settings and Journal

Key Facts: Users can configure their system for SNOMED CT. In the New Journal or Tabbed Journal, it will be possible to view the mapped SNOMED CT code as well as the CTV3 code enabling users to search for the code.



How a journal entry might look with both SNOMED CT and CTV3 codes set to display.

D: Asthma (H33..) (SNOMED: 195967001)