

## How to Request Data from QWeb:

### Using SNOMED Clinical Codes to Build a New Code Group

To access data from the QResearch database, Code Groups need to be built and linked to a Project. This Guide explains how to build SNOMED Code Groups using QWeb. It is a stand-alone Guide but you may also wish to refer to the accompanying Video, 'How do I Build a New Code Group? (SNOMED)'.

*Please note - you do not need to have Project Approval to build your Code Library, but Data will not be released until Approval has been granted.*

#### **Related Documents you may find useful:**

- Building a New Code Group using ICD-10 Codes
- Building a New Code Group using BNF Codes
- Building a Code Group using QWeb Code Group Libraries
- Linking Code Groups to Projects created by other QWeb Users
- Code Group Versions: An Overview
- Saving and Checking In Code Groups
- Merging Code Groups
- Sharing Code Groups with other QWeb Users/Requesting a Review
- Reviewing someone else's Code Group
- How to make your own Code Groups visible to others
- Projects: An Introduction
- How to Make a Project Application
- Turning an Application Into a Project
- Using my Code Groups in Projects

QWeb is a regularly updated piece of software. The accompanying User Guides and Videos are frequently reviewed to ensure compatibility with the latest version of QWeb. It is important that you use the most recently published User Guides and Videos to ensure maximum accuracy. These can be found at:

<https://www.qresearch.org/qweb-guides>

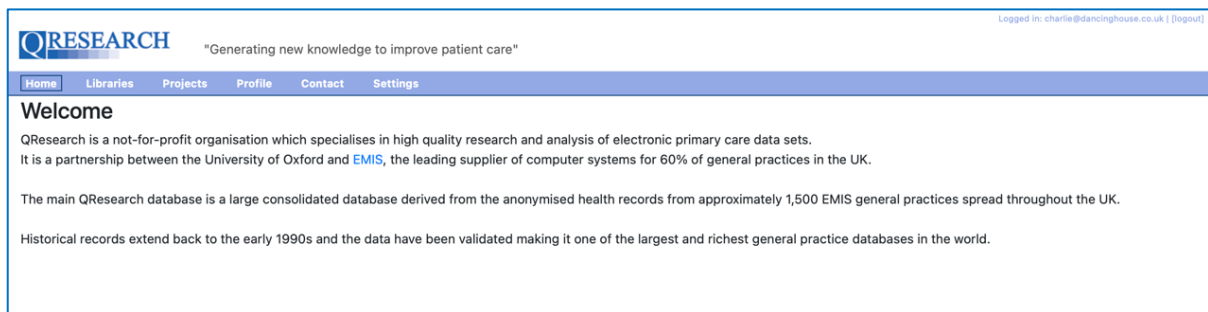
QResearch welcomes feedback on these User Guides and Videos. If you have any suggestions or questions, please feel free to contact us here:

<https://www.qresearch.org/about/contact-us/>

*QResearch is part funded via the Data and Connectivity National Core Study, led by Health Data Research UK in partnership with the Office for National Statistics and funded by UK Research and Innovation (grant ref MC\_PC\_20058)*

## Building a Code Group Using SNOMED Codes

1. Use the Login function to take you to the Welcome screen:



QRESEARCH "Generating new knowledge to improve patient care"

Home Libraries Projects Profile Contact Settings

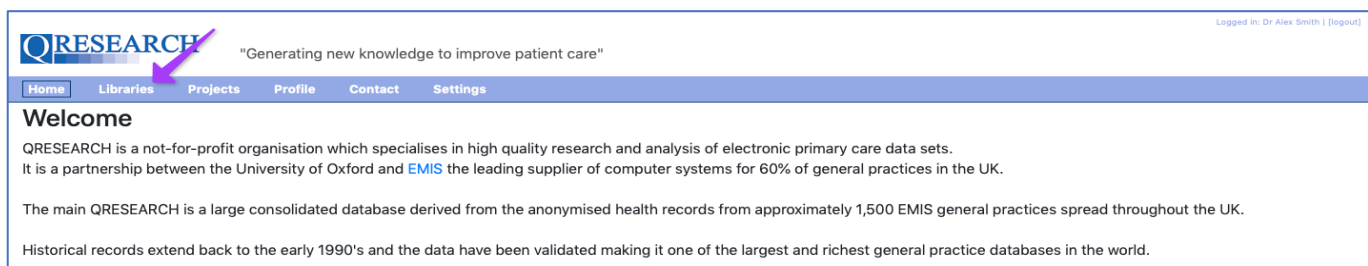
### Welcome

QResearch is a not-for-profit organisation which specialises in high quality research and analysis of electronic primary care data sets. It is a partnership between the University of Oxford and [EMIS](#), the leading supplier of computer systems for 60% of general practices in the UK.

The main QResearch database is a large consolidated database derived from the anonymised health records from approximately 1,500 EMIS general practices spread throughout the UK.

Historical records extend back to the early 1990s and the data have been validated making it one of the largest and richest general practice databases in the world.

2. To start building a Code Group, select 'Libraries':



QRESEARCH "Generating new knowledge to improve patient care"

Home Libraries Projects Profile Contact Settings

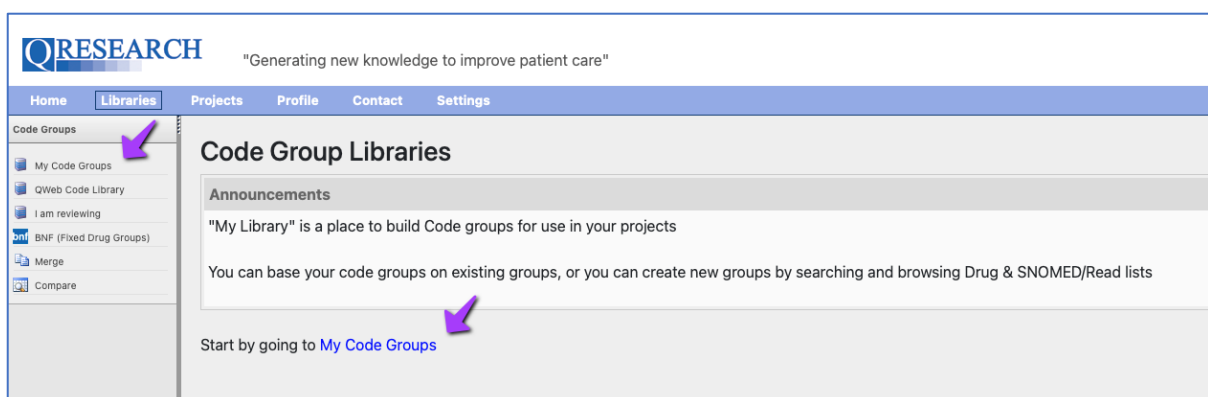
### Welcome

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The main QRESEARCH is a large consolidated database derived from the anonymised health records from approximately 1,500 EMIS general practices spread throughout the UK.

Historical records extend back to the early 1990's and the data have been validated making it one of the largest and richest general practice databases in the world.

3. This takes you to the Libraries main page. From here you can access your personal Code Group Library by either clicking on the [My Code Groups](#) link in blue or by selecting 'My Code Groups' from the menu to the left:



QRESEARCH "Generating new knowledge to improve patient care"

Home Libraries Projects Profile Contact Settings

### Code Group Libraries

Code Groups

- My Code Groups
- QWeb Code Library
- I am reviewing
- BNF (Fixed Drug Groups)
- Merge
- Compare

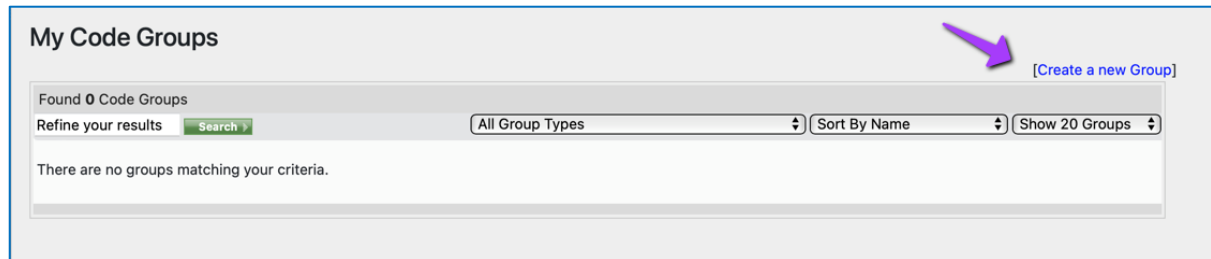
#### Announcements

"My Library" is a place to build Code groups for use in your projects

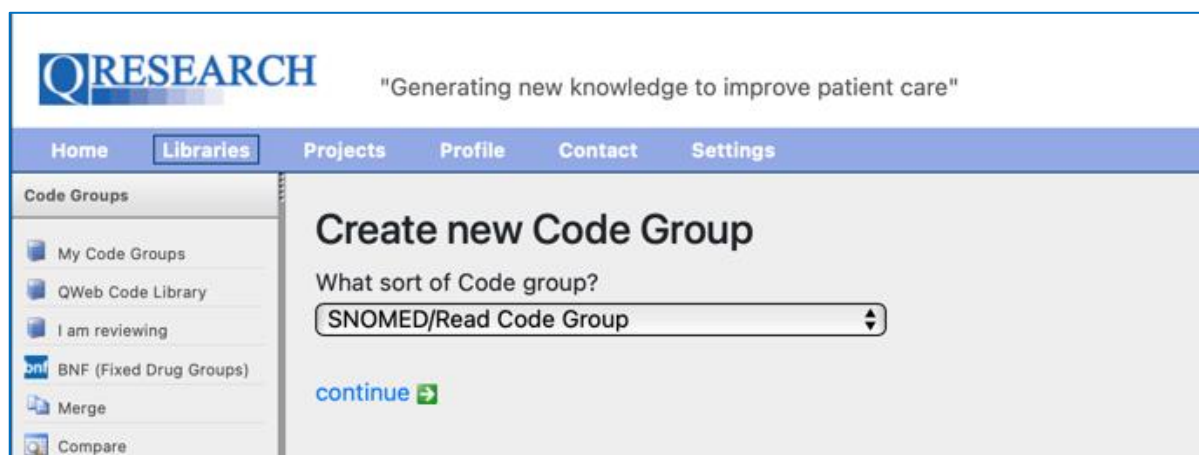
You can base your code groups on existing groups, or you can create new groups by searching and browsing Drug & SNOMED/Read lists

Start by going to [My Code Groups](#)

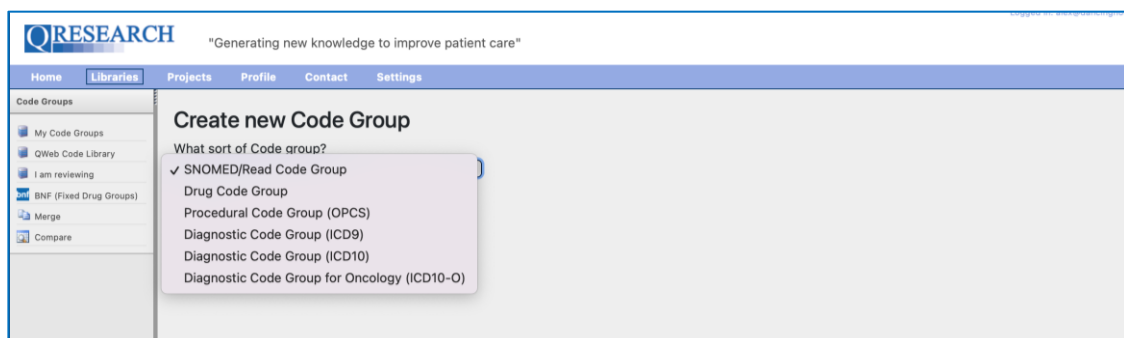
- On first accessing your Library you will see the information below as no Code Groups have yet been added. To create a new Code Group, click on the blue link [[Create a new group](#)] in the top right-hand corner:



This will take you to the following page:



In the dropdown menu ('What sort of Code Group?') there are several types of Code Groups to choose from:

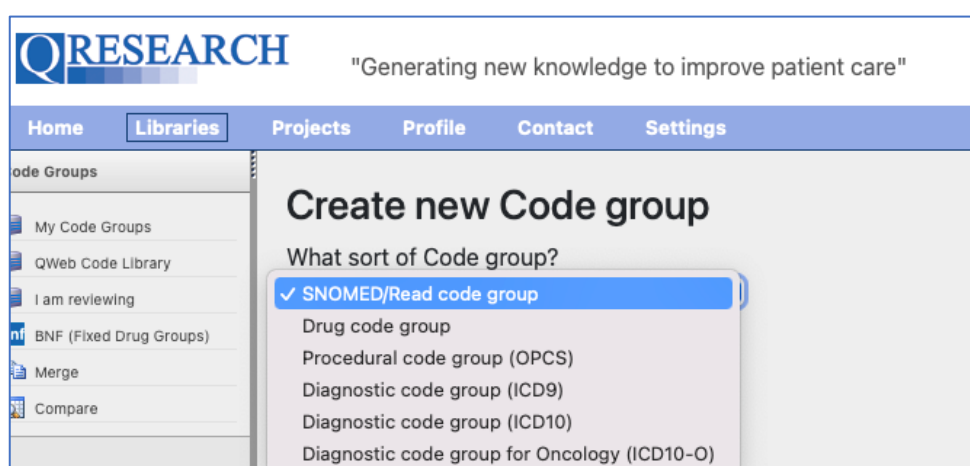


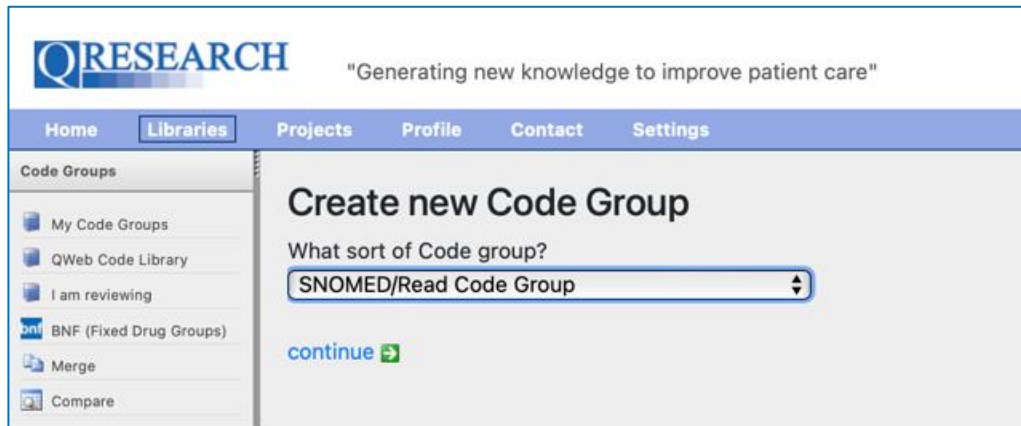
The types of Code Groups refer to the types shown in the table below:

Type of Code Group	Description
SNOMED/Read	Systemized Nomenclature of Medicine Clinical Terms (SNOMED International)/ Read Clinical Codes (retired 2020) (NHS UK)
Drug	BNF Classification of Prescribed Drugs (British National Formulary)
Procedural (OPCS)	Classification of Interventions and Surgical Procedures (Department of Health, UK)
Diagnostic (ICD9)	International Statistical Classification of Diseases and Related Health Problems – 9 <sup>th</sup> revision (World Health Organisation)
Diagnostic (ICD10)	International Statistical Classification of Diseases and Related Health Problems – 10 <sup>th</sup> revision (World Health Organisation)
Diagnostic (Oncology - ICD10-O)	International Statistical Classification of Diseases for Oncology (World Health Organisation)

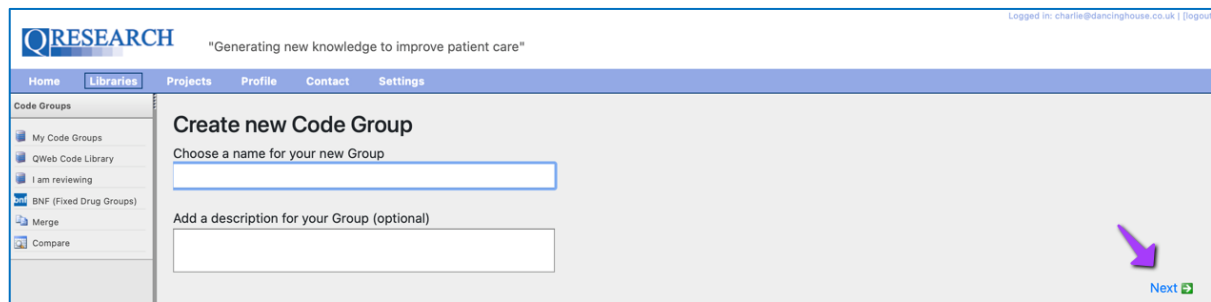
*QWeb assumes an existing knowledge of these data types but if familiarisation is required, see the Appendix of this Guide for links to further information and training tools.*

- In this guide we are using SNOMED Codes. To use these Codes, select them from the first Dropdown menu and click on the blue [continue](#) link:

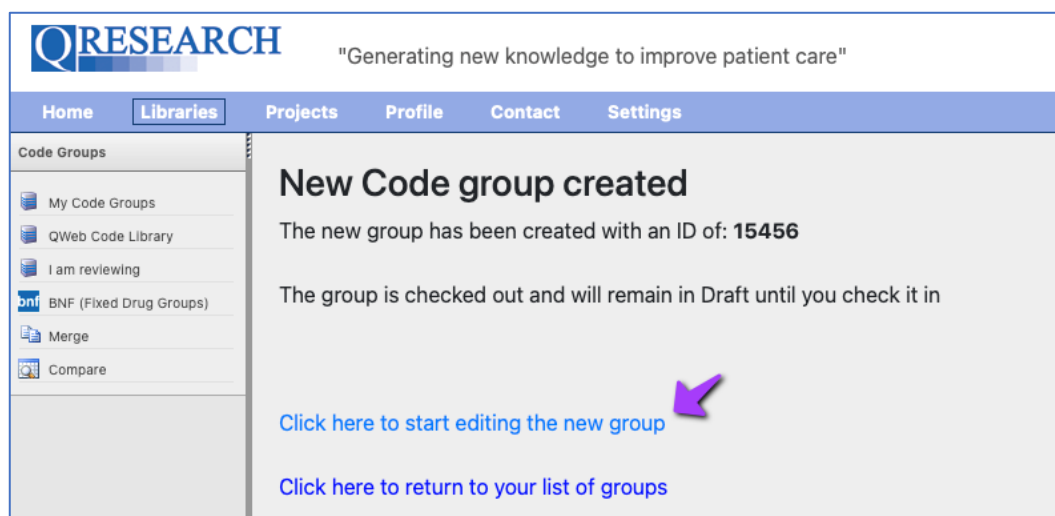




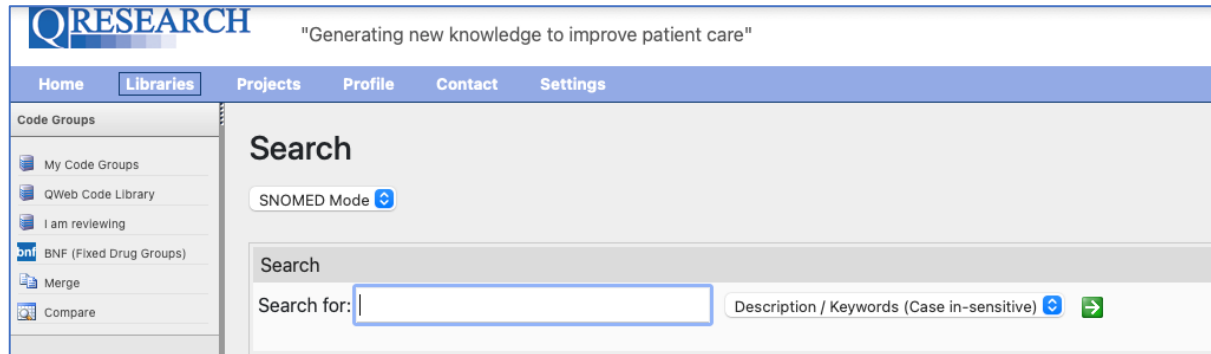
- Next, create a name for your Code Group and add an optional Group description. Type in the boxes and then click on 'Next':



- Now that you have created a name for your Code Group, QResearch will assign it a numeric ID. You can then start selecting codes for your Group by selecting the blue link 'Click here to start editing the new group':

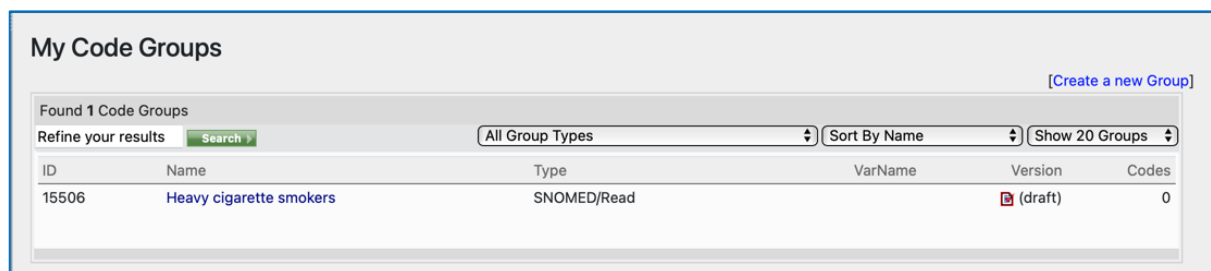


This takes you to takes you to the Search function:



The screenshot shows the QRESEARCH search page. At the top, there is a navigation bar with links for Home, Libraries, Projects, Profile, Contact, and Settings. Below this is a sidebar with 'Code Groups' and a list of items: My Code Groups, QWeb Code Library, I am reviewing, BNF (Fixed Drug Groups), Merge, and Compare. The main content area is titled 'Search' and features a 'SNOMED Mode' dropdown menu. Below that is a search input field with the placeholder text 'Search for:'. To the right of the input field is a dropdown menu set to 'Description / Keywords (Case in-sensitive)' and a green search button.

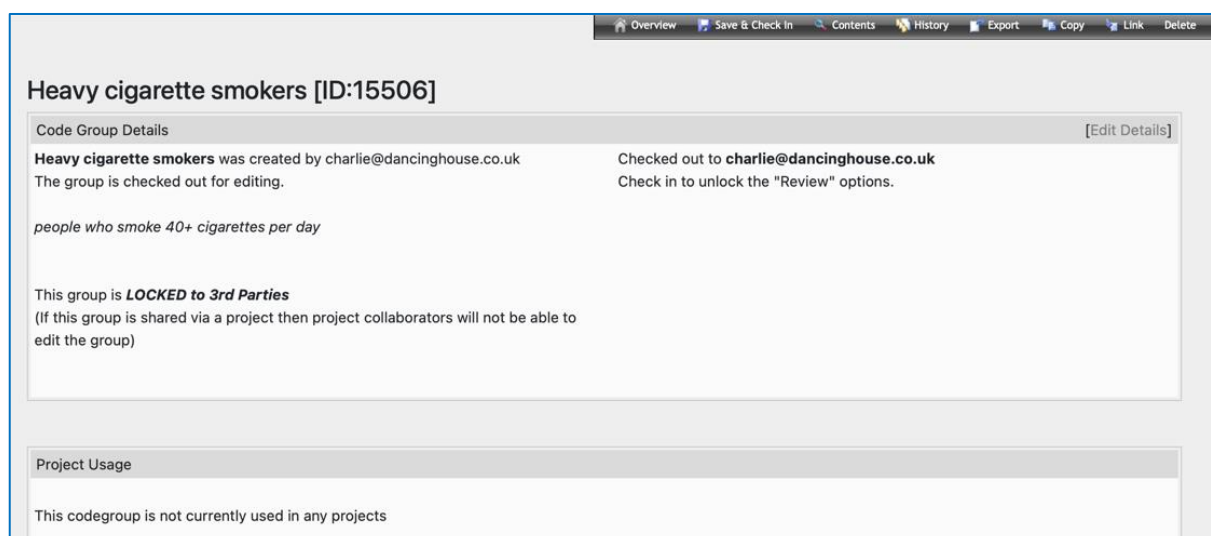
Alternatively, you can choose the blue link '[Click here to return to your list of groups](#)'. This returns you to your Code Group Library:



The screenshot shows the 'My Code Groups' page. At the top right, there is a link to '[Create a new Group]'. Below this, it says 'Found 1 Code Groups'. There are filters for 'Refine your results' (with a search button), 'All Group Types', 'Sort By Name', and 'Show 20 Groups'. A table lists the code groups:

ID	Name	Type	VarName	Version	Codes
15506	<a href="#">Heavy cigarette smokers</a>	SNOMED/Read		(draft)	0

Here you can view Code Group Details by clicking on the [blue](#) name of the Group which takes you to the information below. You can click on the [Edit Details](#) link on the top right to edit the Code Group name/description:



The screenshot shows the details for the code group 'Heavy cigarette smokers [ID:15506]'. At the top right, there is a link to '[Edit Details]'. The main content area contains the following information:

**Code Group Details**

**Heavy cigarette smokers** was created by charlie@dancinghouse.co.uk  
The group is checked out for editing.

Checked out to **charlie@dancinghouse.co.uk**  
Check in to unlock the "Review" options.

*people who smoke 40+ cigarettes per day*

This group is **LOCKED to 3rd Parties**  
(If this group is shared via a project then project collaborators will not be able to edit the group)

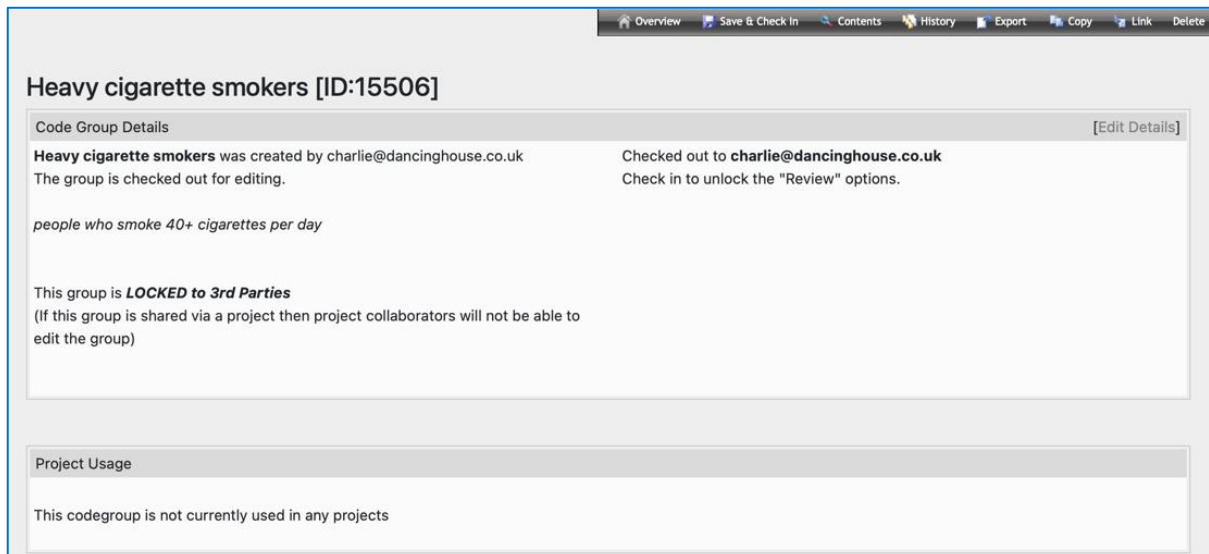
**Project Usage**

This codegroup is not currently used in any projects

8. Make any changes to the Group name and Description that you wish to and then click on [Save](#):



9. To return to the Search function, click on the [Contents](#) link in the upper right-hand corner of the screen:

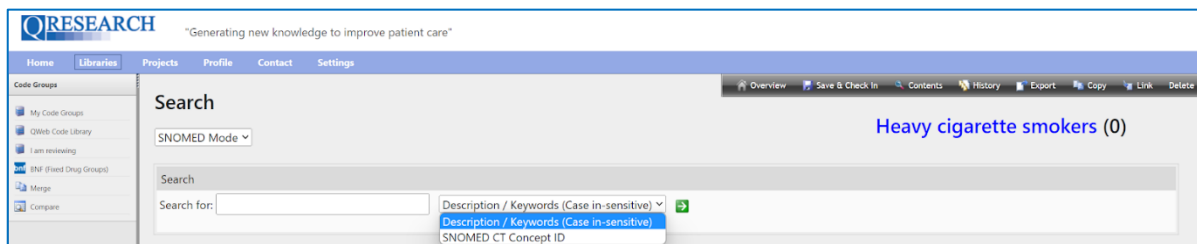


The next section explains how to add SNOMED Codes to your Code Group.

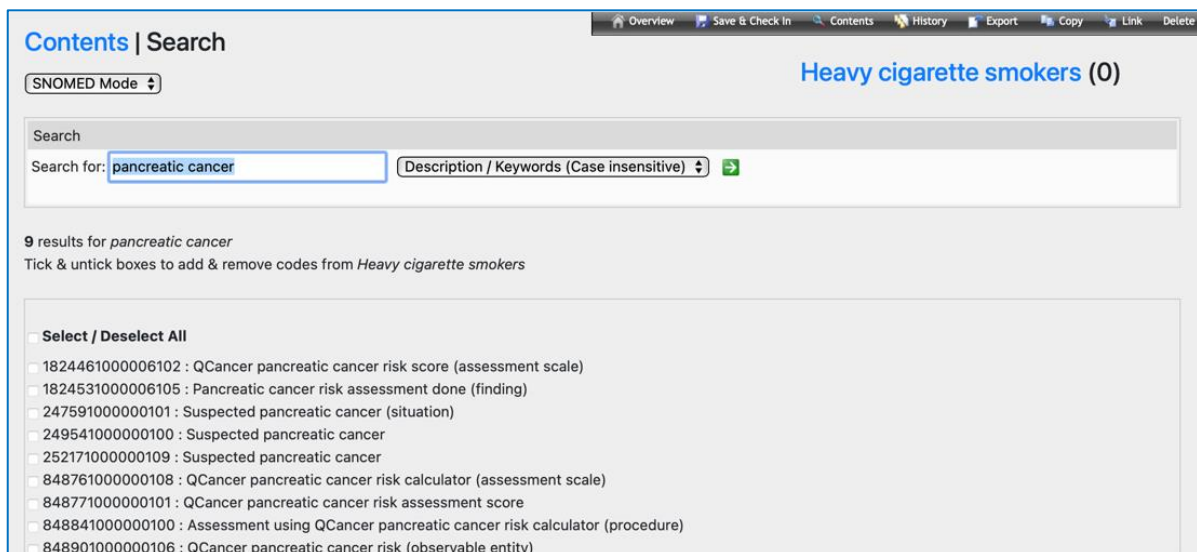


## Building a Code Group

10. Use the Search function to select Codes to add to your Code Group. You can search by either Description/Keywords or SNOMED CT Concept ID. To search by **Description/Keywords**, select the option from the Dropdown menu:

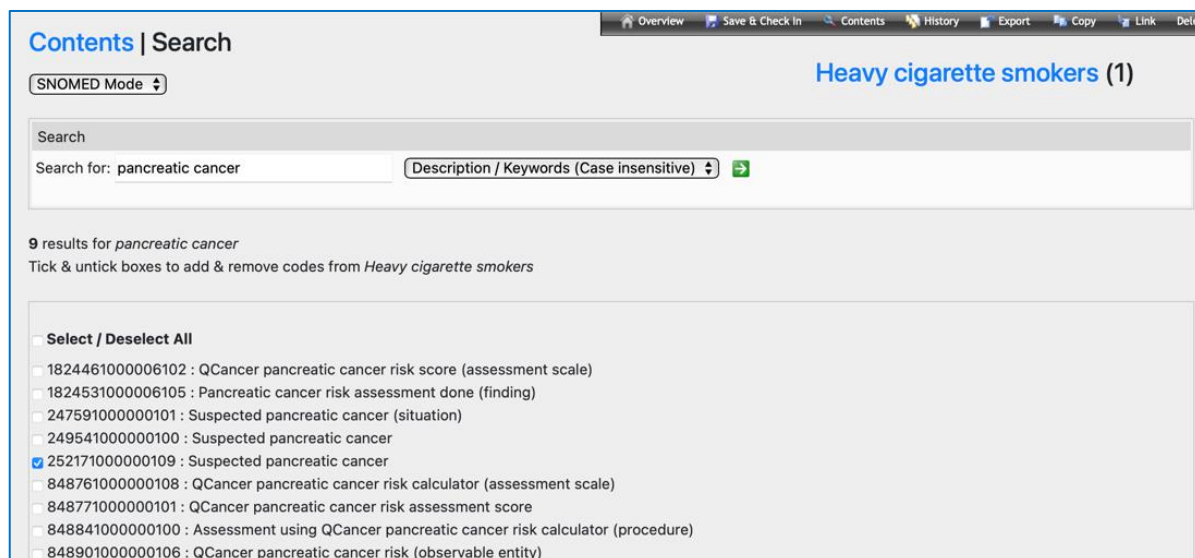


11. Enter the search term in the box provided and click the arrow in the green box → to display a list of Codes including your search term:





12. You can then check the tickbox to select one or more Codes displayed, or check the 'Select All' box. These Codes will then be added to your Code Group:



**Contents | Search**

SNOMED Mode ▾

Search

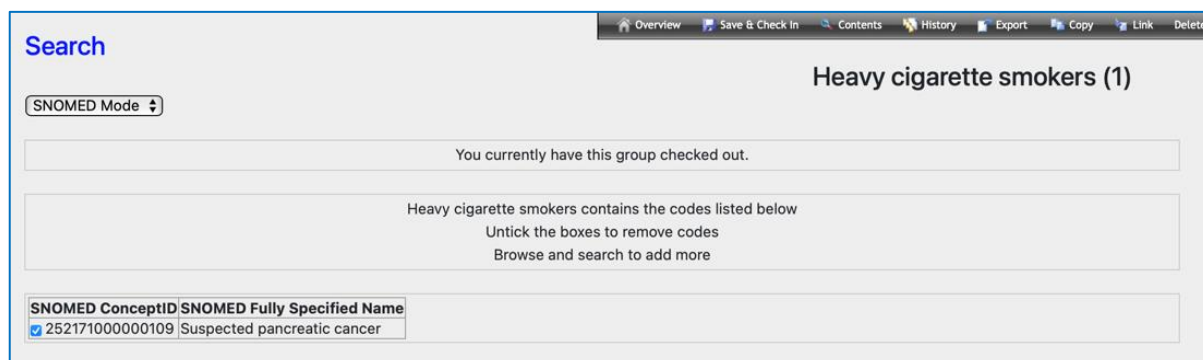
Search for:  Description / Keywords (Case insensitive) ▾ →

9 results for *pancreatic cancer*  
 Tick & untick boxes to add & remove codes from *Heavy cigarette smokers*

**Select / Deselect All**

- 1824461000006102 : QCancer pancreatic cancer risk score (assessment scale)
- 1824531000006105 : Pancreatic cancer risk assessment done (finding)
- 247591000000101 : Suspected pancreatic cancer (situation)
- 249541000000100 : Suspected pancreatic cancer
- 252171000000109 : Suspected pancreatic cancer
- 848761000000108 : QCancer pancreatic cancer risk calculator (assessment scale)
- 848771000000101 : QCancer pancreatic cancer risk assessment score
- 848841000000100 : Assessment using QCancer pancreatic cancer risk calculator (procedure)
- 848901000000106 : QCancer pancreatic cancer risk (observable entity)

The number of Codes in your Group will be visible in the Counter the top right of the screen. The Codes can also be viewed at this stage by clicking on the name of the Code Group in the top right of the screen. For example, if you click on [Heavy Cigarette Smokers](#) in blue the Contents of the Code Group will be displayed:



**Search**

SNOMED Mode ▾

Heavy cigarette smokers (1)

You currently have this group checked out.

Heavy cigarette smokers contains the codes listed below  
 Untick the boxes to remove codes  
 Browse and search to add more

SNOMED ConceptID	SNOMED Fully Specified Name
<input checked="" type="checkbox"/> 252171000000109	Suspected pancreatic cancer

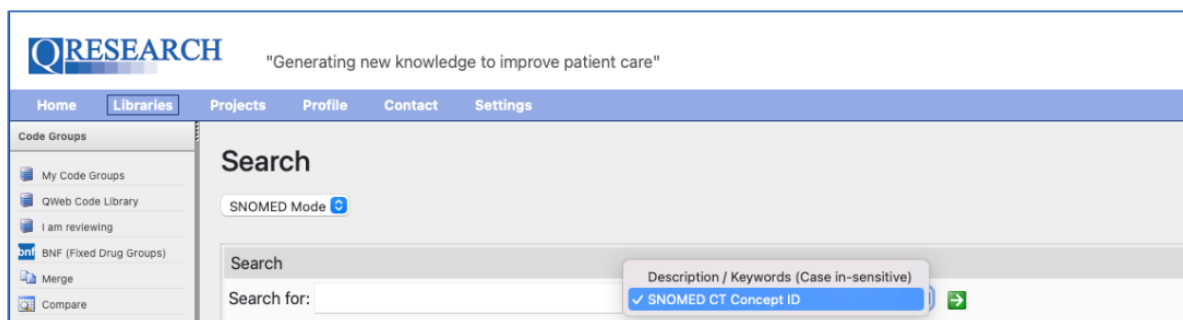
If you wish to remove Codes from the Group you can do this here by unticking the selected boxes.

Clicking on the [Contents](#) link in the upper right-hand corner of the page also enables you to view the Codes in your Code Group, and/or access the Search function again to select and add more Codes.

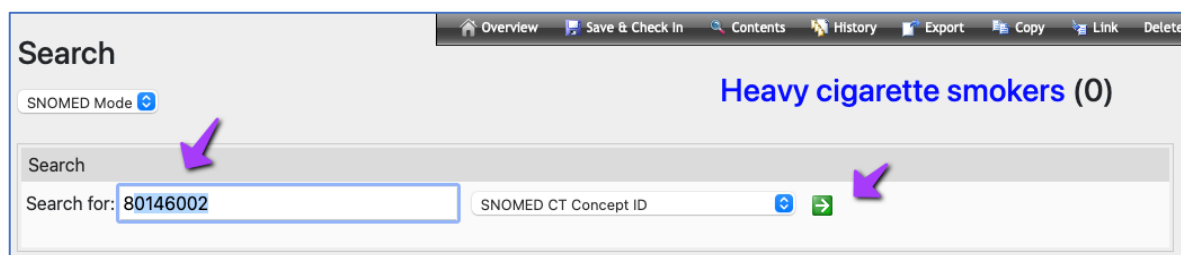
Your Group will be saved as a Version that can be accessed in My Code Groups. It will remain 'Checked Out' to you for editing until it is 'Checked In'. It will need to be 'Checked In' to be for data to be released to use in an approved Project or to be Reviewed by another user. (See the User Guide 'Saving and Checking In Code Groups' for guidance on this.)

Once Checked In, a Version can be Checked Out by you for further editing or to another User for Review using the Review process. (For further details on this process, refer to the User Guides 'Sharing Code Groups with other QWeb Users/Requesting a Review' and 'Reviewing someone else's Code Group'.)

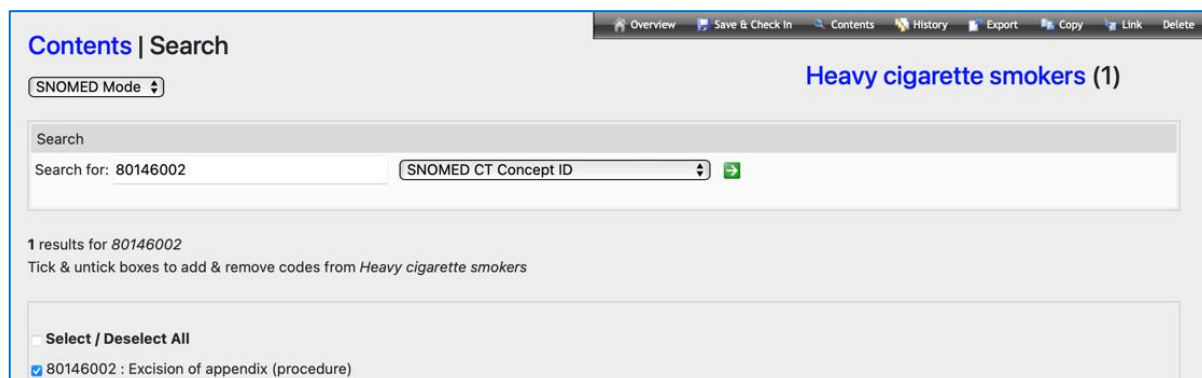
- To search by **Concept ID**, enter the Concept ID you require and select the 'SNOMED CT Concept ID' option from the dropdown box:



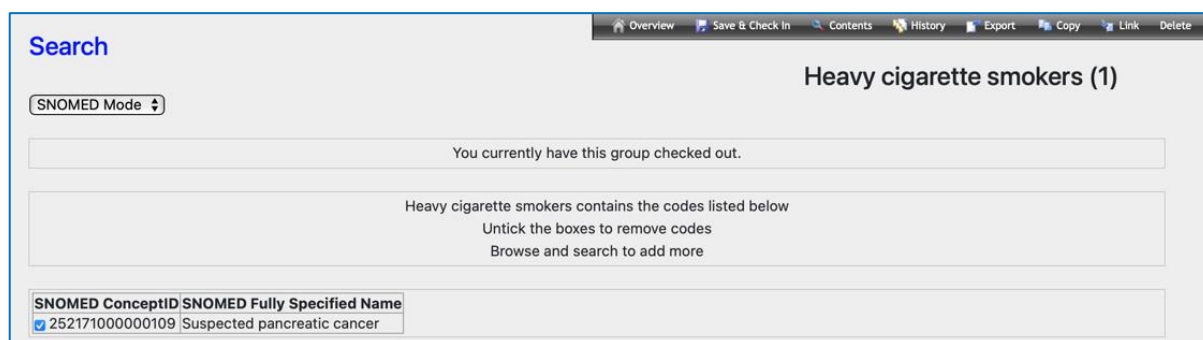
- Enter the Concept ID you require and then click on the arrow in the green box:



- This will display the Code for which you have searched. To select and add this Code, tick its checkbox:



The number of Codes in your Group will be visible in the Counter to the upper right of the screen. The Contents of your Group can also be viewed at this stage by clicking on the name of the Code Group in blue in the same area. For example, if you click on [Heavy Cigarette Smokers](#) the Contents of the Code Group will be displayed:



The screenshot shows a web interface for managing code groups. At the top, there's a 'Search' header and a navigation bar with links: Overview, Save & Check In, Contents, History, Export, Copy, Link, and Delete. The main content area is titled 'Heavy cigarette smokers (1)'. Below the title, there's a 'SNOMED Mode' dropdown menu. A message states 'You currently have this group checked out.' Below that, a box explains 'Heavy cigarette smokers contains the codes listed below' and provides instructions: 'Untick the boxes to remove codes' and 'Browse and search to add more'. At the bottom, a table displays search results with columns for 'SNOMED ConceptID' and 'SNOMED Fully Specified Name'. One entry is shown: '252171000000109 Suspected pancreatic cancer'.

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### **Further Information/Training Tools for Clinical Code Classification**

World Health Organisation ICD-10 Interactive Self-Learning Tool:

<https://apps.who.int/classifications/apps/icd/ICD10Training/ICD-10%20training/Start/index.html>

BNF list of Prescribed Drugs:

<https://bnf.nice.org.uk/drug/>

SNOMED:

<https://www.snomed.org/snomed-ct/snomed-in-action>

<https://digital.nhs.uk/services/terminology-and-classifications/snomed-ct>

Read Codes:

<https://digital.nhs.uk/services/terminology-and-classifications/read-codes>