

QWEB USER GUIDE

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:

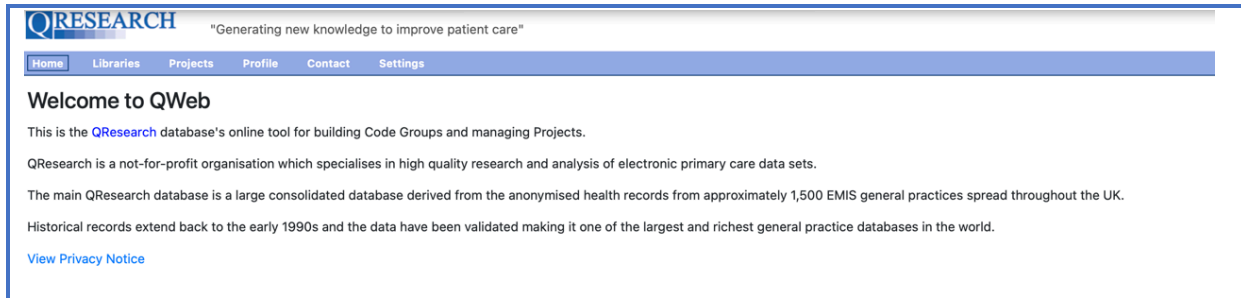
<https://www.qresearch.org/about/contact-us/>

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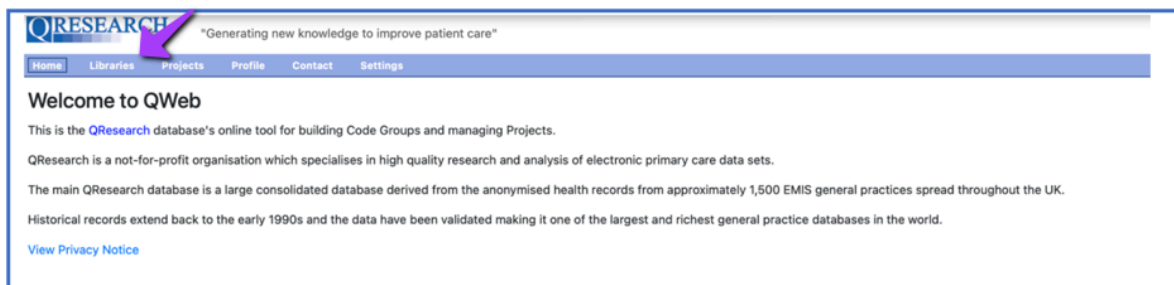
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Building a Code Group Using SNOMED Codes

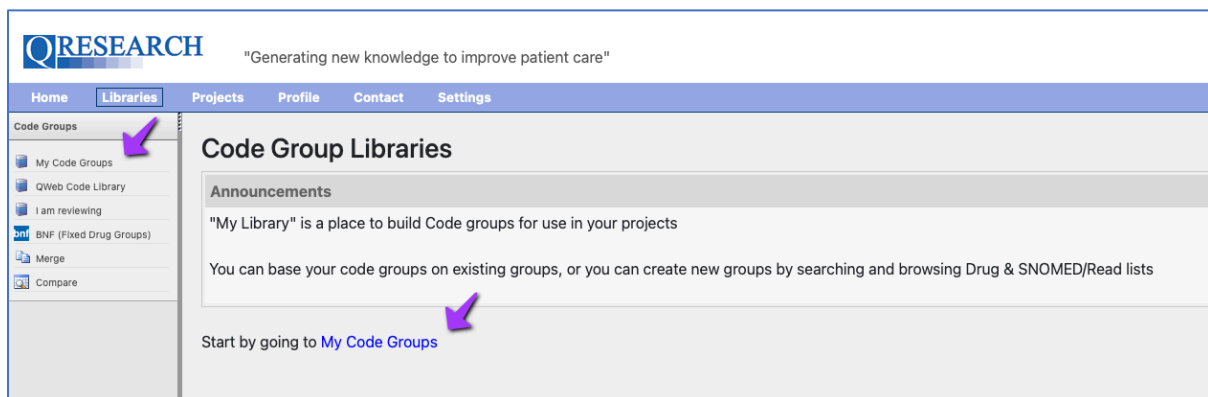
1. Use the Login function to take you to the Welcome screen:



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

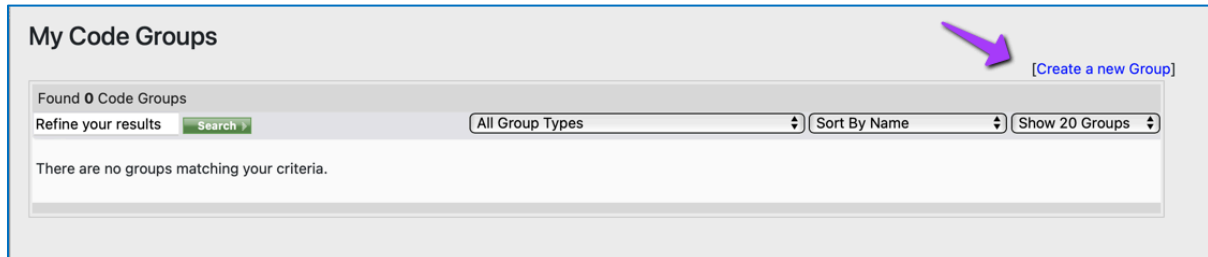


3. This takes you to the Libraries main page. From here you can access your personal Code Group Library by either clicking on the [My Code Groups](#) link in blue or by selecting 'My Code Groups' from the menu to the left:



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- 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:



My Code Groups

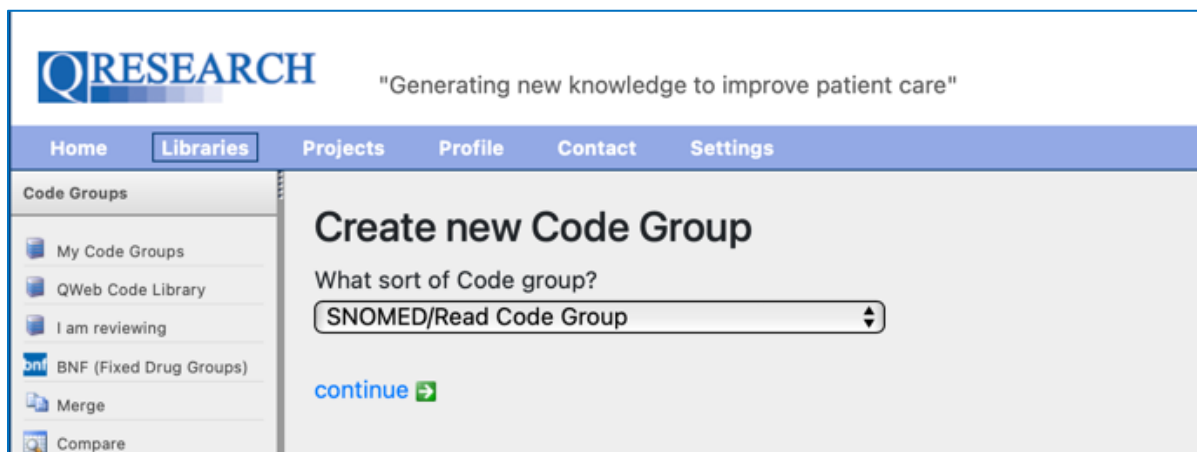
Found 0 Code Groups

Refine your results All Group Types Sort By Name Show 20 Groups

There are no groups matching your criteria.

[\[Create a new Group\]](#)

This will take you to the following page:



QRESEARCH "Generating new knowledge to improve patient care"

Home Libraries Projects Profile Contact Settings


Code Groups

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

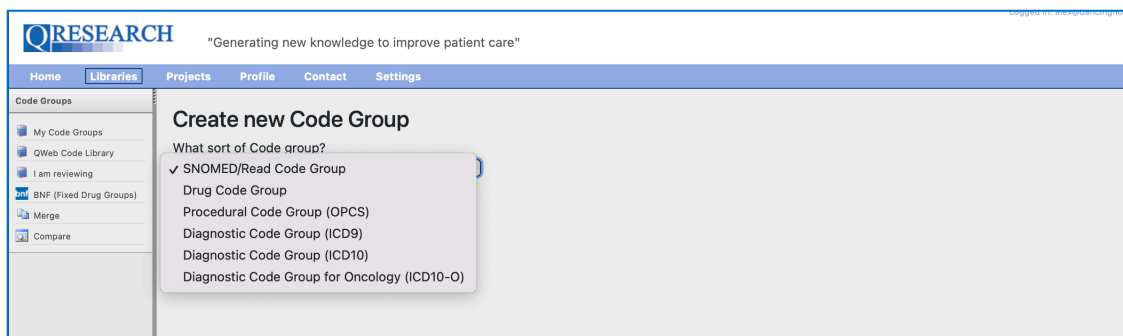
Create new Code Group

What sort of Code group?

SNOMED/Read Code Group

[continue](#) 

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



QRESEARCH "Generating new knowledge to improve patient care"

Home Libraries Projects Profile Contact Settings

Code Groups

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

Create new Code Group

What sort of Code group?

- ✓ SNOMED/Read Code Group
- Drug Code Group
- Procedural Code Group (OPCS)
- Diagnostic Code Group (ICD9)
- Diagnostic Code Group (ICD10)
- Diagnostic Code Group for Oncology (ICD10-O)

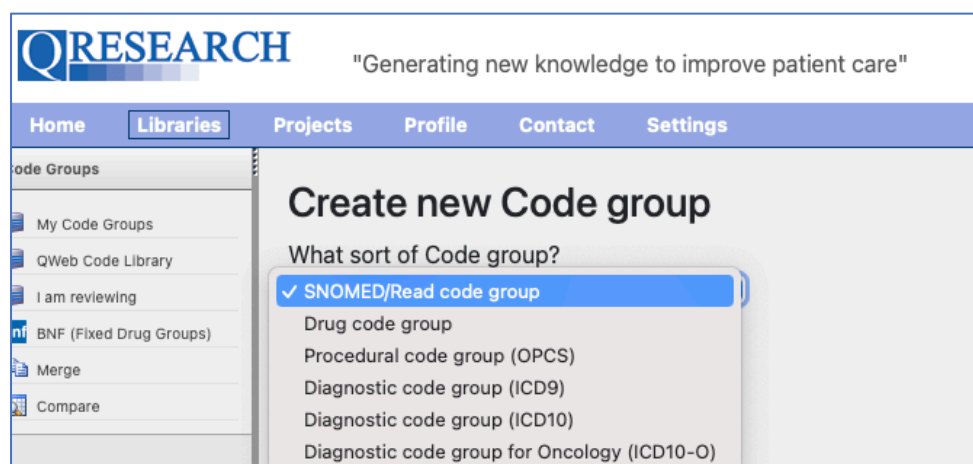
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The types of Code Groups refer to the types shown in the table below:

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 th revision (World Health Organisation)
Diagnostic (ICD10)	International Statistical Classification of Diseases and Related Health Problems – 10 th 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:





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QRESEARCH "Generating new knowledge to improve patient care"

Home Libraries Projects Profile Contact Settings

Code Groups

- My Code Groups
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- Merge
- Compare

Create new Code Group

What sort of Code group?

SNOMED/Read Code Group

[continue](#)

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

QRESEARCH "Generating new knowledge to improve patient care" Logged in: charlie@dancinghouse.co.uk | [logout]

Home Libraries Projects Profile Contact Settings

Code Groups

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

Create new Code Group

Choose a name for your new Group

Add a description for your Group (optional)

[Next](#)

7. 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':

QRESEARCH "Generating new knowledge to improve patient care"

Home Libraries Projects Profile Contact Settings

Code Groups

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

New Code group created

The new group has been created with an ID of: **15456**

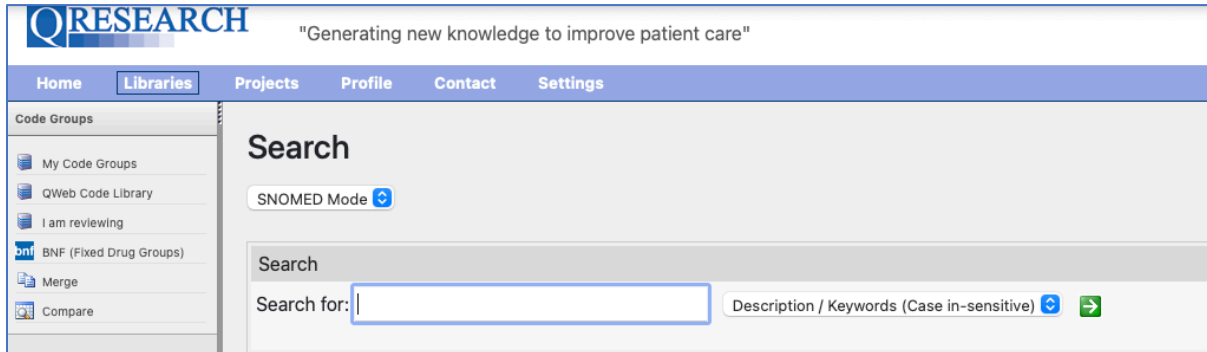
The group is checked out and will remain in Draft until you check it in

[Click here to start editing the new group](#)

[Click here to return to your list of groups](#)

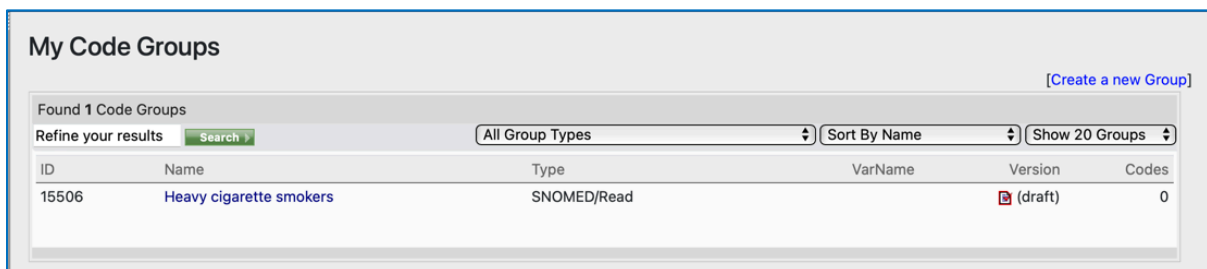
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This takes you to takes you to the Search function:



The screenshot shows the QRESEARCH web application interface. At the top, there's a navigation bar with links: Home, Libraries (selected), Projects, Profile, Contact, and Settings. Below this, a sidebar on the left lists 'Code Groups' with options: 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. A search input field is labeled 'Search for:' and is followed by a dropdown menu set to 'Description / Keywords (Case in-sensitive)' and a green search button.

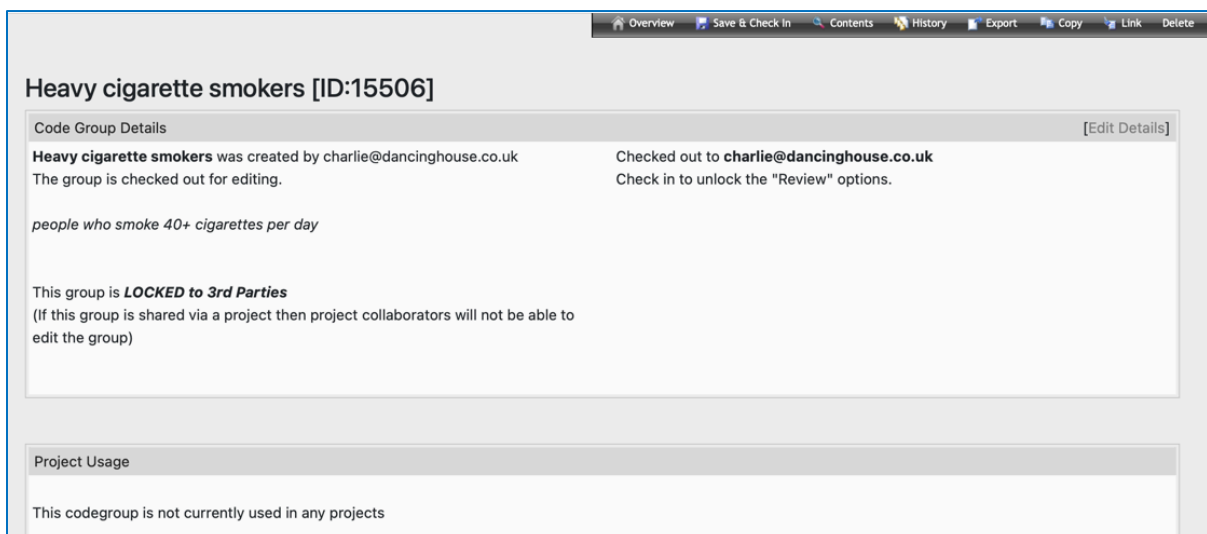
Alternatively, you can choose the blue link '[Click here to return to your list of groups](#)'. This returns you to your Code Group Library:



The screenshot shows the 'My Code Groups' page. It has a header 'My Code Groups' and a link '[Create a new Group]'. Below, it says 'Found 1 Code Groups'. There's a 'Refine your results' section with a 'Search' button, and filters for 'All Group Types', 'Sort By Name', and 'Show 20 Groups'. A table lists the code groups:

ID	Name	Type	VarName	Version	Codes
15506	Heavy cigarette smokers	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 'Heavy cigarette smokers [ID:15506]' page. At the top, there's a toolbar with icons for Overview, Save & Check In, Contents, History, Export, Copy, Link, and Delete. The main content area is titled 'Heavy cigarette smokers [ID:15506]' and has an '[Edit Details]' link. Below this, there's a 'Code Group Details' section with the following text:

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

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



Heavy cigarette smokers [ID:15506]

Details [Share Settings](#) [Reviews](#)

Readcode Group Details

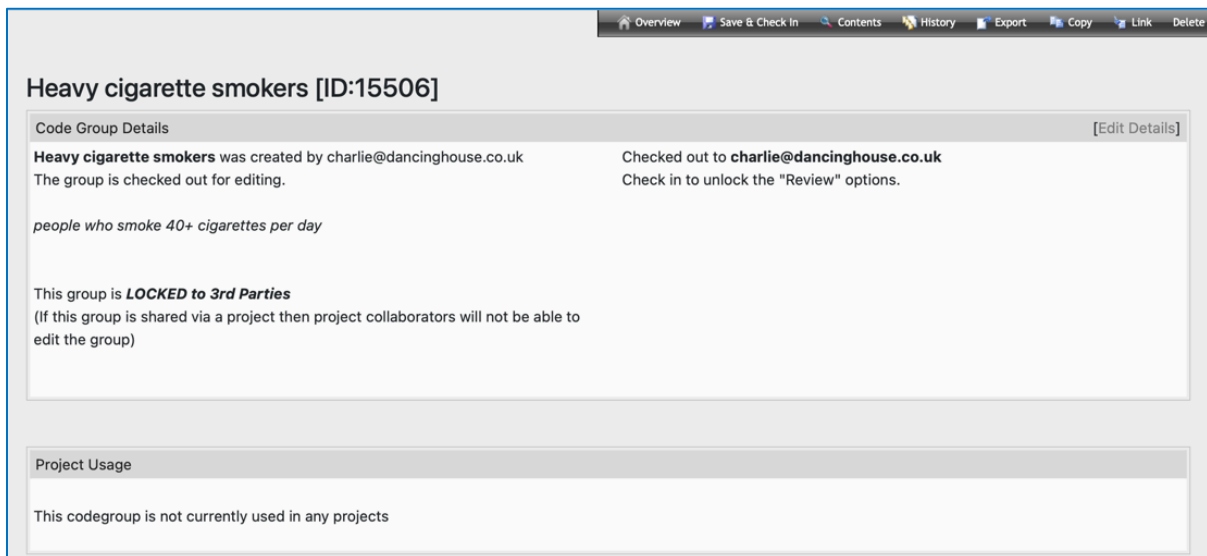
Group name: Heavy cigarette smokers

Description: people who smoke 40+ cigarettes per day

☒ Locked to 3rd Parties

[Cancel](#) [Save](#)

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



Overview Save & Check In Contents History Export Copy Link Delete

Heavy cigarette smokers [ID:15506]

Code Group Details [\[Edit Details\]](#)

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

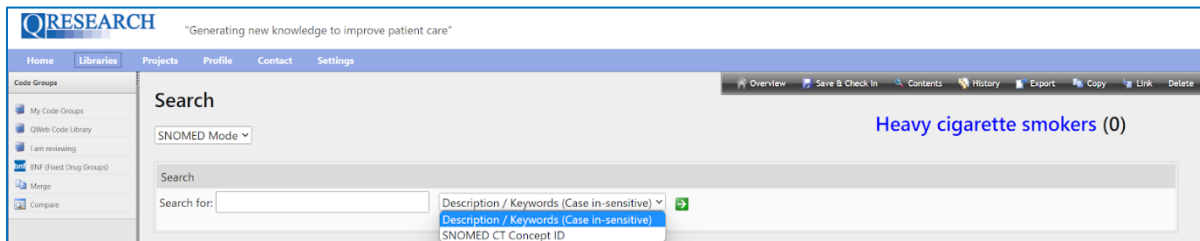
This codegroup is not currently used in any projects

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

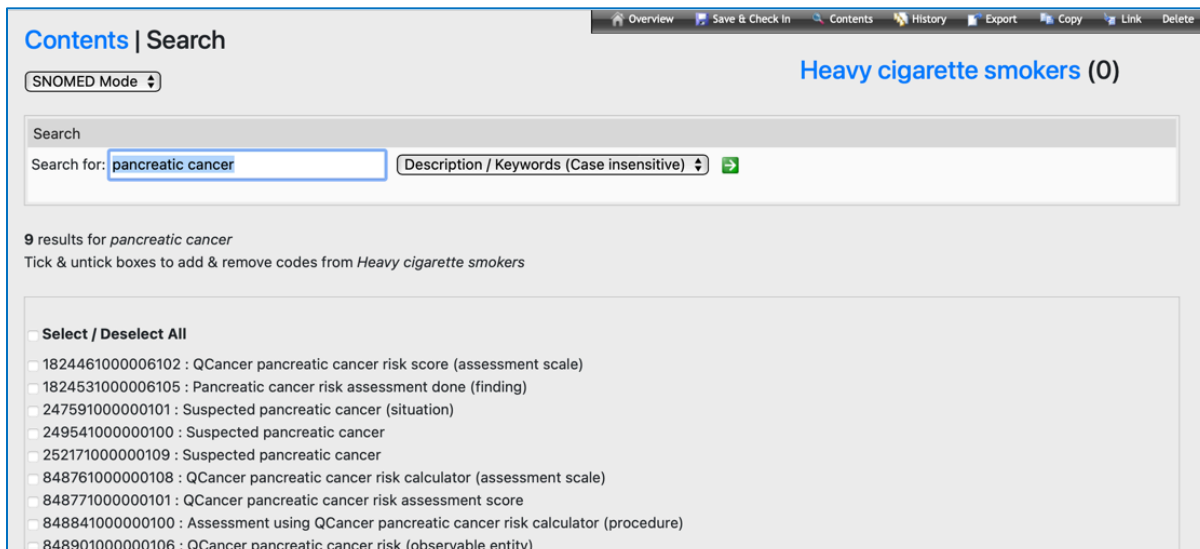
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Building a Code Group

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:



Contents | Search

SNOMED Mode

Heavy cigarette smokers (0)

Search for: Description / Keywords (Case insensitive) →

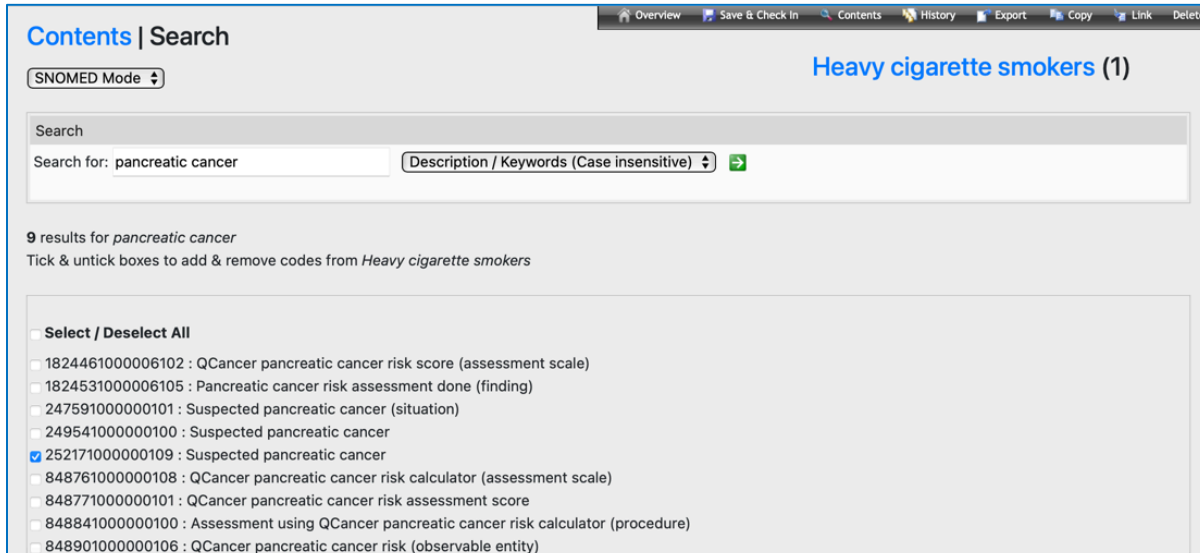
9 results for *pancreatic cancer*
Tick & untick boxes to add & remove codes from *Heavy cigarette smokers*

☐ **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)

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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: pancreatic cancer Description / Keywords (Case insensitive)

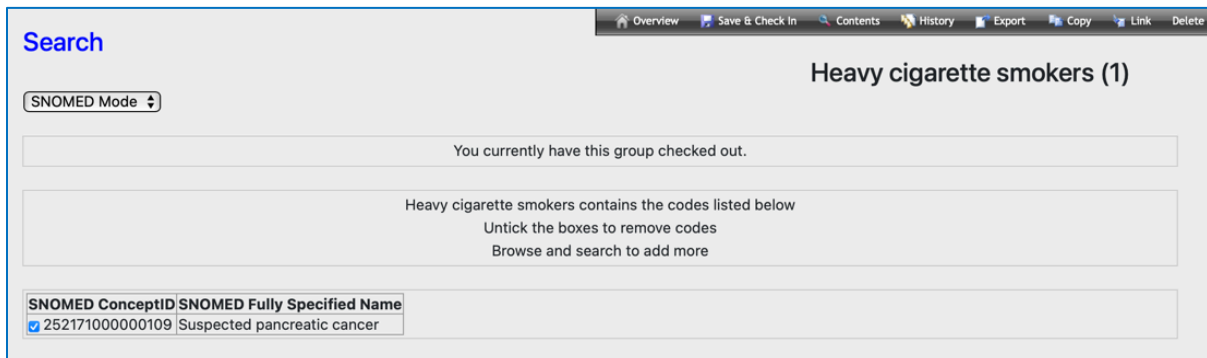
9 results for pancreatic cancer

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.

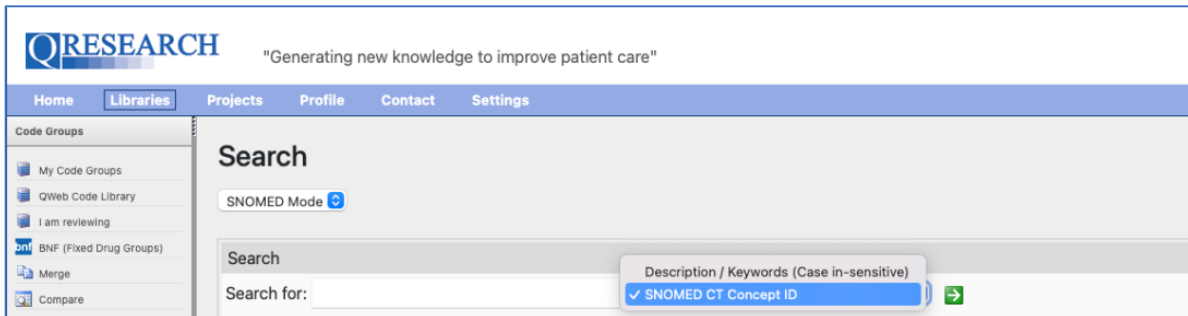
Clicking on the [Contents](#) link in the upper right-hand corner of the page also enables you to view the Codes in your Code Group, and/or access the Search function again to select and add more Codes.

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.)

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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*'.)

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



QRESEARCH "Generating new knowledge to improve patient care"

Home Libraries Projects Profile Contact Settings

Code Groups

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

Search

SNOMED Mode

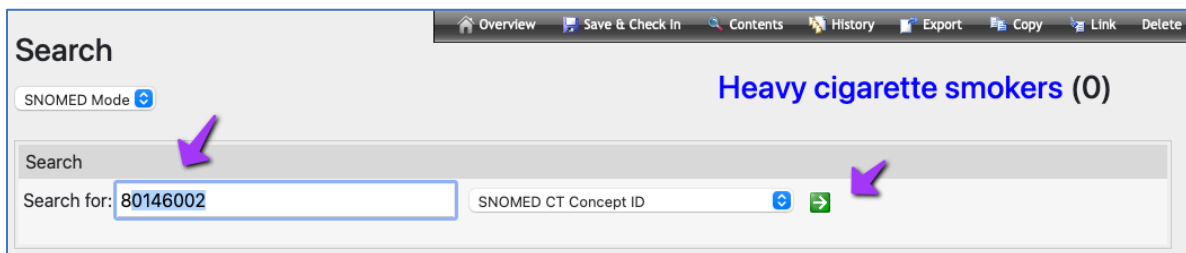
Search

Search for:

Description / Keywords (Case in-sensitive)

✓ SNOMED CT Concept ID

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



Search

Overview Save & Check In Contents History Export Copy Link Delete

SNOMED Mode

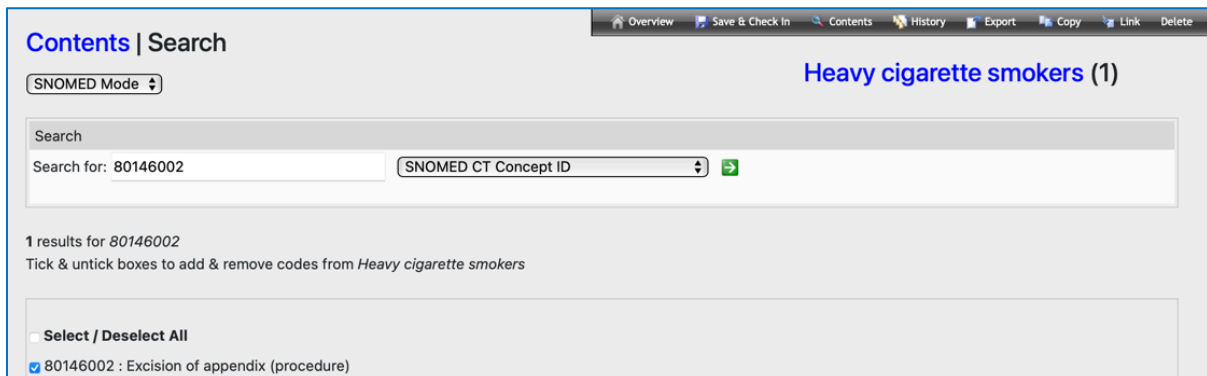
Heavy cigarette smokers (0)

Search

Search for: 80146002

SNOMED CT Concept ID

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



Contents | Search

Overview Save & Check In Contents History Export Copy Link Delete

SNOMED Mode

Heavy cigarette smokers (1)

Search

Search for: 80146002

SNOMED CT Concept ID

1 results for 80146002

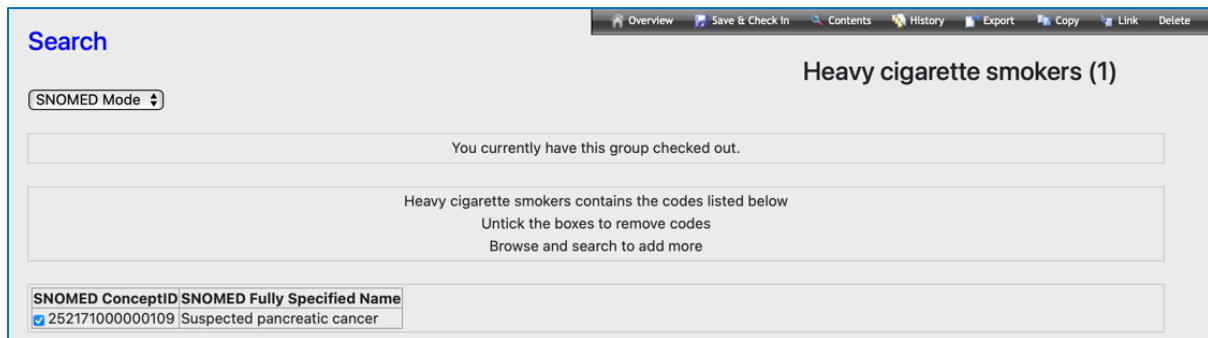
Tick & untick boxes to add & remove codes from Heavy cigarette smokers

Select / Deselect All

80146002 : Excision of appendix (procedure)

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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:



Search

Overview Save & Check In Contents History Export Copy Link Delete

Heavy cigarette smokers (1)

SNOMED Mode

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 box/es.

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*'.)

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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>