

## How to request data from QWeb:

### Building a Code Group using QWeb Code Group Libraries

To access data from the QResearch database, Code Groups need to be built and linked to a Project. This Guide explains how to build Code Groups using the Existing Code Groups contained in the QWeb Code Library and the BNF Drug Code Library.

*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 SNOMED Codes
- Building a New Code Group using BNF Codes
- 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:

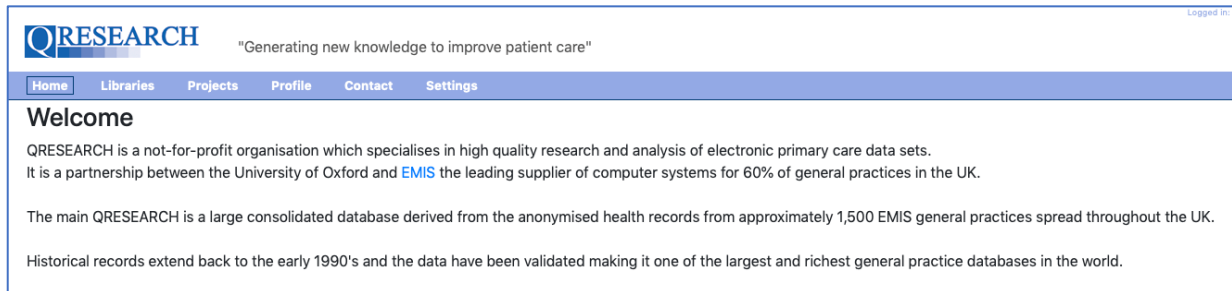
<https://www.qresearch.org/qweb-guides>

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)*

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



**QRESEARCH** "Generating new knowledge to improve patient care" Logged in

Home Libraries Projects Profile Contact Settings

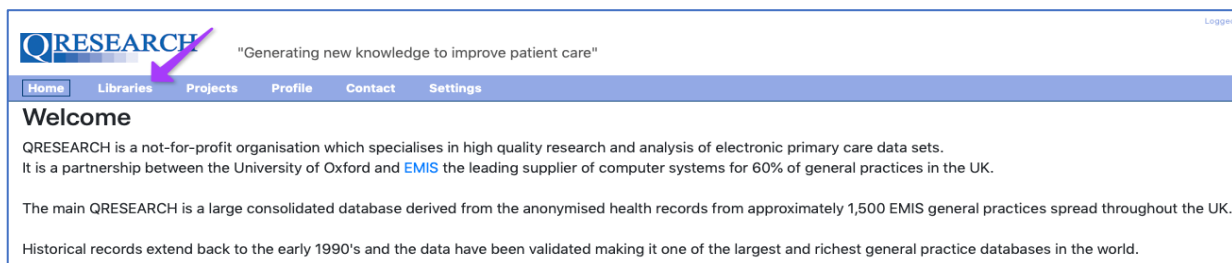
### Welcome

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 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.

2. Select 'Libraries':



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Home **Libraries** Projects Profile Contact Settings

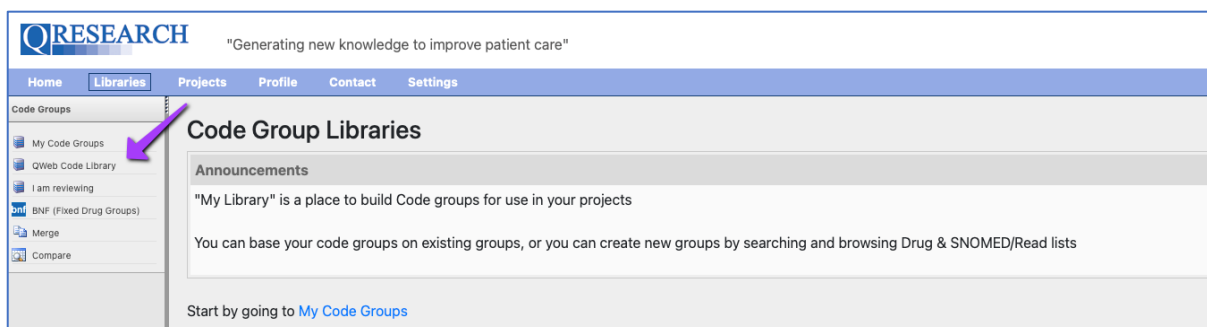
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3. The two Libraries containing existing Code Groups are the QWeb Code Library (which contains Code Groups created by other QWeb users) and the BNF Drug Code Library (which contains Code Groups created by QResearch BNF Reference Data.) To access existing QWeb-created Code Groups, for example, select '**QWeb Code Library**' from the Code Group menu:



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Home Libraries **Projects** Profile Contact Settings

Code Groups

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

### Code Group Libraries

**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](#)

- You can **filter** these Code Groups by Type of Group by using the first dropdown menu:

The screenshot shows the QWeb Code Library interface. A dropdown menu is open, showing options for filtering code groups by type: All Group Types, SNOMED/Head Groups, Drug Groups, Procedural Code Groups (OPCS), Diagnostic Code Groups (ICD9), Diagnostic Code Groups (ICD10), and Diagnostic Code Group for Oncology (ICD-O). The main table below shows a list of code groups with columns for ID, Name, Owner, QWeb Shared, Public, Type, Shared/Public, Version, and Codes.

ID	Name	Owner	QWeb Shared	Public	Type	Shared/Public	Version	Codes
2466	Acute kidney failure (ICD10)	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	1	6
13061	Acute liver disease	Prof Julia Hippisley-Cox	—	✓	ICD10_DIAG	True	1	16
1950	Acute myocardial infarction (ICD10)	Prof Julia Hippisley-Cox	—	✓	ICD10_DIAG	True	2	22
2442	Acute pancreatitis (ICD10)	Prof Julia Hippisley-Cox	—	✓	ICD10_DIAG	True	1	7
15278	Acute promyelocytic leukaemia (ICD10)	Dr Emma M	✓	✓	ICD10_DIAG	True	2	1
13484	Addisons (ICD10)	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	2	7
13058	Anaphylaxis (ICD10)	Prof Julia Hippisley-Cox	—	✓	ICD10_DIAG	True	1	4
13080	Angioedema or urticaria	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	1	4
13493	Ankylosing spondylitis	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	1	22
13073	Aplastic anaemia	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	1	12
2444	arrhythmia (ICD10)	Prof Julia Hippisley-Cox	—	✓	ICD10_DIAG	True	5	46
13916	arterial thrombosis	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	2	9
13931	Arterial thrombosis (including MI, stroke and other) - ICD10	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	1	51
3357	autism (ICD10)	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	1	3
13065	Autoimmune hepatitis	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	1	1
11312	Autoimmune thyroiditis	Prof Julia Hippisley-Cox	—	✓	ICD10_DIAG	True	2	8
13069	Bell's palsy (ICD10)	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	1	1
3305	Bullous eruption or erythema multiform	Prof Julia Hippisley-Cox	—	✓	ICD10_DIAG	True	1	21
13816	Cerebral venous thrombosis (pregnancy and non-pregnancy) (ICD10)	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	1	4
13495	Cholangitis (ICD10)	Prof Julia Hippisley-Cox	✓	✓	ICD10_DIAG	True	1	2

- You can **sort** them by Name, ID, Owner, Last Reviewed, Shared on QWeb and Shared on Public by using the second dropdown menu:

The screenshot shows the QWeb Code Library interface. A dropdown menu is open, showing options for sorting code groups: Sort By Name, Sort By ID, Sort By Owner, Sort By Last Reviewed, Sort By Shared on QWeb, and Sort By Shared on Public. The main table below shows a list of code groups with columns for ID, Name, Owner, QWeb Shared, Public, Type, Shared/Public, Version, and Codes.

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6. You can choose whether to view 20, 50, 100 or All Groups per page by using the third dropdown menu:

The screenshot shows the 'QWeb Code Library' interface. At the top, it says 'Found 82 Code Groups'. Below this is a table with columns: ID, Name, Owner, QWeb Shared, Public Shared, Type, SharePublic, and a dropdown menu for 'Show 20 Groups'. The dropdown menu is open, showing options for 'Show 20 Groups', 'Show 50 Groups', 'Show 100 Groups', and 'Show All Groups'. The table lists various medical conditions like 'Acute kidney failure (ICD10)', 'Acute liver disease', etc.

7. You can also use the Search function by inputting text or numbers into the *Refine your Results* box and clicking on **Search** → :

The screenshot shows the 'QWeb Code Library' interface. A search bar is visible with the text 'Refine your results' and a green 'Search' button. A purple arrow points to the 'Search' button. The table below shows one result: ID 7676, Name 'liver disease NAFLD', Owner 'Prof Julia Hippisley-Cox', QWeb Shared 'True', Public Shared 'True', Type 'SNOMED/Read', and SharePublic 'True'.

Example A - Search for name by text input e.g. “arterial thrombosis”, “arter”, “thromb”:

The screenshot shows the 'QWeb Code Library' interface with search results for 'arter'. It says 'Found 2 Code Groups'. The table lists two results: ID 13916, Name 'arterial thrombosis', Owner 'Prof Julia Hippisley-Cox', QWeb Shared 'True', Public Shared 'True', Type 'ICD10\_DIAG', VarName '\_arterialthrombosis10', Version 2, and Codes 9; and ID 13931, Name 'Arterial thrombosis (including MI, stroke and other) - ICD10', Owner 'Prof Julia Hippisley-Cox', QWeb Shared 'True', Public Shared 'True', Type 'ICD10\_DIAG', VarName '\_arte10', Version 1, and Codes 51.

Example B - Search for name by numeric input e.g. "1.3.5":

**QWeb Code Library**  
 Displays Code Groups that are shared to QWeb users, or shared to the public.

Found 1 Code Groups [\[remove filters\]](#)

1.3.5  All Group Types  Show 20 Groups

ID	Name	Owner	QWeb Shared	Public Shared	Type	SharePublic	Version	Codes
713	1.3.5 Prostaglandin Analogues (PPI)	QWeb System	✓	✓	Drug	True	16	76

Example C - Search for QWeb ID number e.g. "713":

**QWeb Code Library**  
 Displays Code Groups that are shared to QWeb users, or shared to the public.

Found 1 Code Groups [\[remove filters\]](#)

713  All Group Types  Show 20 Groups

ID	Name	Owner	QWeb Shared	Public Shared	Type	VarName	Version	Codes
713	1.3.5 Prostaglandin Analogues (PPI)	QWeb System	✓	✓	Drug	_ppi	16	76

8. To access BNF Code Groups, select '**BNF (Fixed Drug Groups)**' from the Code Group Libraries menu:

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Home **Libraries** Projects Profile Contact Settings

Code Groups

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**Code Group Libraries**

Announcements

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

9. You may find it helpful to Sort by Name, ID, VarName, VarName2, Last Reviewed, Shared on QWeb and Shared on Public by choosing these options from the first dropdown menu:

ID	Name	Type	Version	Codes
701	1.1 Antacids	Drug	16	95
702	1.1.1 Aluminium And Magnesium Containing Antacids	Drug	16	42
703	1.1.1.1 Aluminium And Magnesium Antacids With Additions	Drug	1	1

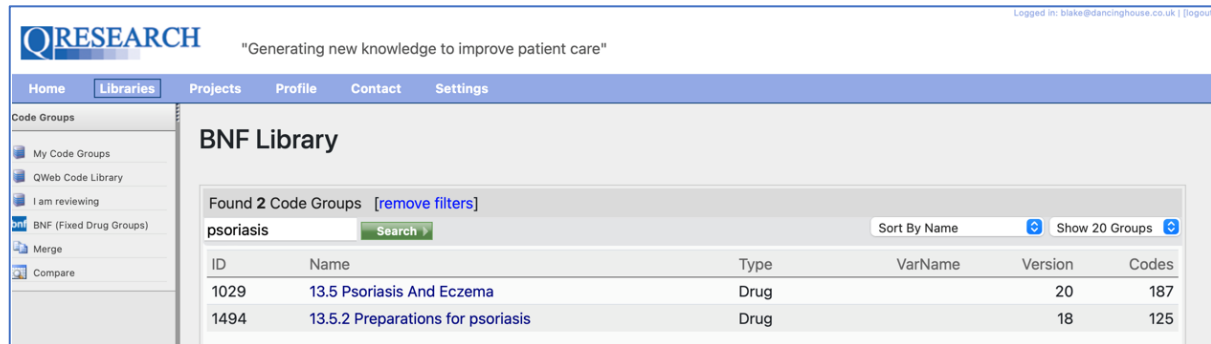
10. You can also choose to view 20, 50, 100 or All Groups per page by using the second dropdown menu:

ID	Name	Type	VarName
701	1.1 Antacids	Drug	

11. You can also use the Search function by inputting text or Code Group numbers into the *Refine your Results* box and clicking on **Search** → :

ID	Name	Type	VarName	Version	Codes
701	1.1 Antacids	Drug		16	95

Example A - Search for name by text (or partial text) input e.g. “psoriasis”, “psor”:



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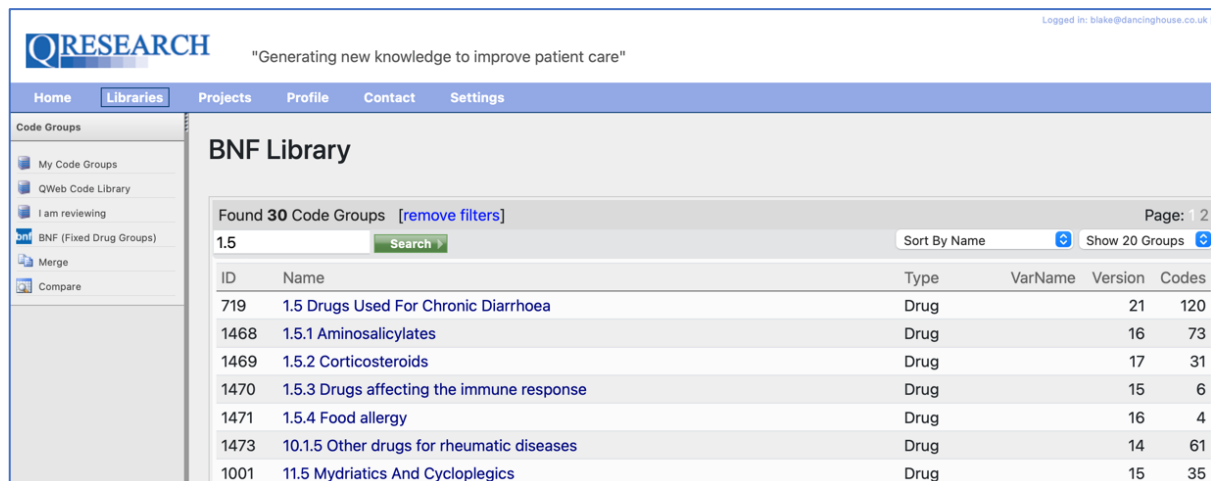
### BNF Library

Found 2 Code Groups [remove filters]

psoriasis  Sort By Name Show 20 Groups

ID	Name	Type	VarName	Version	Codes
1029	13.5 Psoriasis And Eczema	Drug		20	187
1494	13.5.2 Preparations for psoriasis	Drug		18	125

Example B: search for name by numeric input e.g. “1.5”:



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Code Groups

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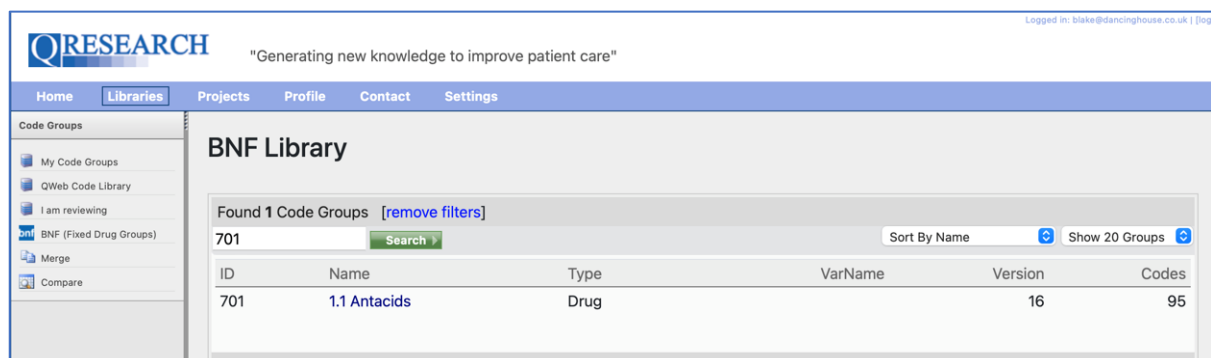
### BNF Library

Found 30 Code Groups [remove filters] Page: 1 2

1.5  Sort By Name Show 20 Groups

ID	Name	Type	VarName	Version	Codes
719	1.5 Drugs Used For Chronic Diarrhoea	Drug		21	120
1468	1.5.1 Aminosalicylates	Drug		16	73
1469	1.5.2 Corticosteroids	Drug		17	31
1470	1.5.3 Drugs affecting the immune response	Drug		15	6
1471	1.5.4 Food allergy	Drug		16	4
1473	10.1.5 Other drugs for rheumatic diseases	Drug		14	61
1001	11.5 Mydratics And Cycloplegics	Drug		15	35

Example C: search for QWeb ID number e.g. “701”



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Home Libraries Projects Profile Contact Settings

Code Groups

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### BNF Library

Found 1 Code Groups [remove filters]

701  Sort By Name Show 20 Groups

ID	Name	Type	VarName	Version	Codes
701	1.1 Antacids	Drug		16	95

12. Viewing a Code Group follows the same process for both the QWeb and BNF Code Libraries. To view a Code Group's Details and/or to Copy it to your Code Library, click on its [Name](#) in blue:

**QWeb Code Library**  
 Displays Code Groups that are shared to QWeb users, or shared to the public.

Found 1 Code Groups [\[remove filters\]](#)

antacids  All Group Types  Show 20 Groups

ID	Name	Owner	QWeb Shared	Public Shared	Type	SharePublic	Version	Codes
701	<a href="#">1.1 Antacids</a>	QWeb System	✓	✓	Drug	True	16	95

13. You will then see the Code Group Details, including any Projects to which the Code Group is linked:

**1.1 Antacids [ID:701]**

Code Group Details

**1.1 Antacids** was created by QWeb System  
 The group is checked in at version 16

*Imported from the DRT*

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)  
 This group is available to other QWeb users

This group is **"Published"**  
 The group can be viewed on the public Internet (without logging into QWeb), via the QResearch website.

Project Usage

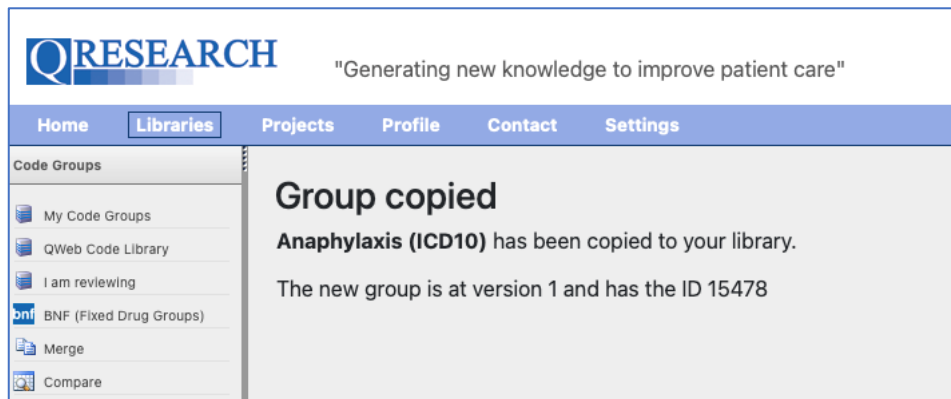
**This codegroup is currently linked to the following projects:**



14. You will also be able to access the Overview, Contents, Version History, Export and Copy options in the upper right-hand corner of the screen. To use an existing Code Group from the QWeb Code Library, it needs to be copied to your Code Group Library by selecting the Copy option from this menu:



15. The Code Group will then be copied to your Library and assigned an ID number:



It is now available for use in your Code Group Library.

Once Checked In, it can be assigned for Review and/or used in an approved Project.

Refer to the User Guide *Saving and Checking In Code Groups* for further information on this process.