

nphies

Brief on MapMe

Clinical Standards Team

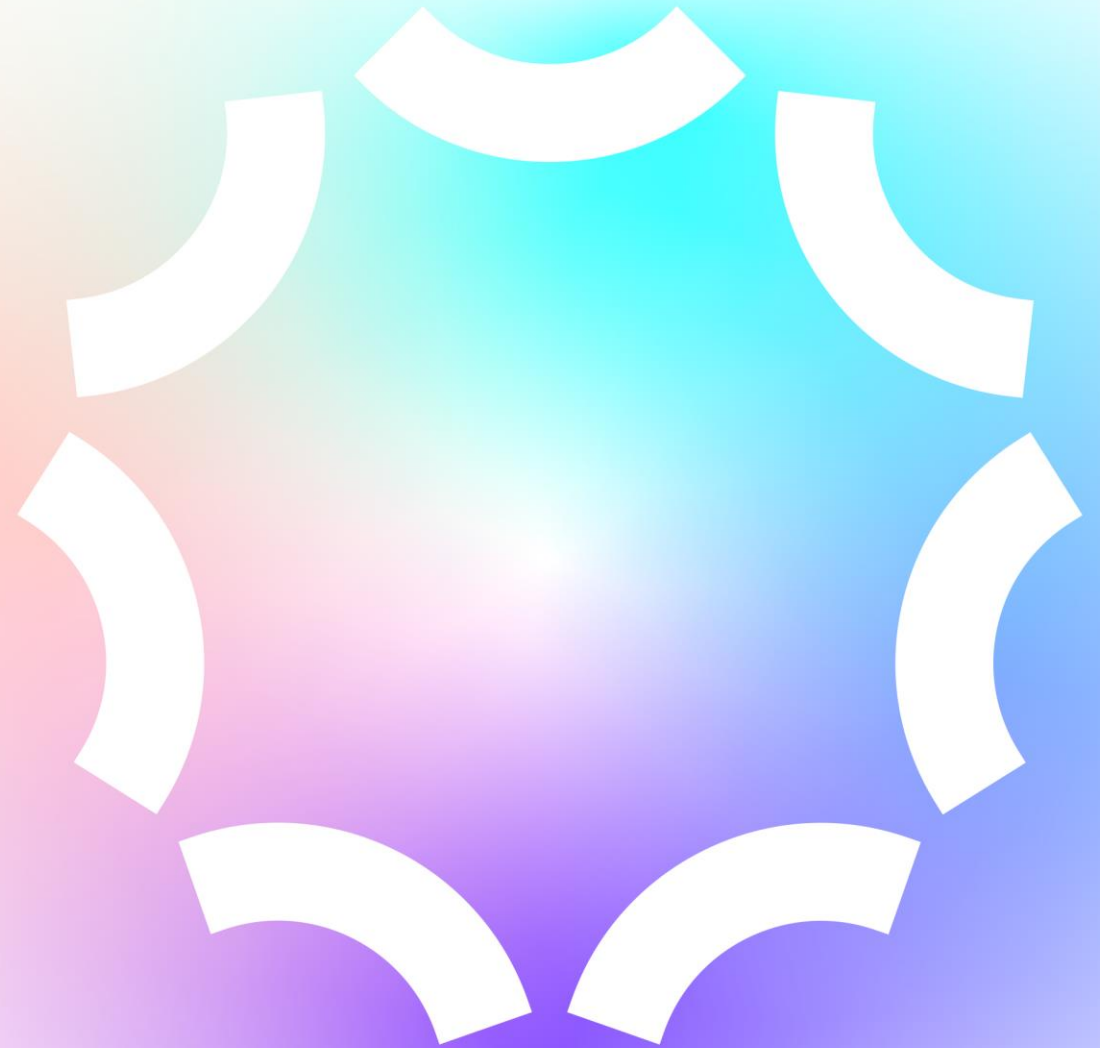




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Introduction

- As per directive from CCHI, clinical standards (Local and International) are mandated for reporting diagnosis, procedures, drugs etc. under nphies platform.
 - When integrating many data sources to enable smooth exchange of clinical data across various departments/systems, the only practical way is by mapping local terms to a specified clinical vocabulary standard.
 - MapMe will be a useful tool to serve this purpose.
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What is MapMe

- MapMe is a tool used to map, or cross-reference clinical codes from non-standard local lists to standard classification systems such as ACHI, ICD-10-AM etc.
 - For the payers and providers to use this tool, they must map their own internal code lists (which are non-standard) to the standard lists.
 - MapMe is a multi-tenant application, meaning it can support more than one organization at the same time and each organization can have its own access to their own codes without any overlap or conflict with other organization.
 - MapMe provides medical coders with suggested codes in descending order of relevance, in addition to managing users, teams etc.
 - MapMe speeds up the mapping process by allowing the medical coder to select the most appropriate coding in an efficient way.
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Advantages of MapMe

- No installation is needed; quick login and compatible with most browsers
 - Quick importing of non-standard codes (full or partial lists)
 - Displays the nearest codes to the specific nonstandard code needed to be mapped
 - Saving work in batches during the mapping process
 - Sharing capabilities between users, Ability to work as a team on the same mapping task
 - Able to review and finalize team work
 - Easy export to EXCEL/CSV once mapping is completed
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Who can work on MapMe

- There are 2 types of users in an organization
 - **Medical Admin:** can create projects/users, assign projects to users, create batches and review, finalize projects and batches and can work on batches or perform mapping.
 - **Medical Coder:** can create batches, upload batches and perform mapping.
 - Only the admin user can create projects and can assign users within an organization to certain projects.
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Technical terms in MapMe

- **Status of codes in the MapMe tool –**

Mapped – represents that code is mapped either one-to-one/one-to-many

Unmapped – represents that code is not mapped

Skipped – represents that code is left for mapping later due to any possible reason such as for consultation about that code with other team members etc

No mapping – represents that code cannot be mapped to other code because of absence of similarities or mismatch

- **For Review Filters -**

Coder Review - codes that are flagged by the medical coder to be reviewed later.

Needs Action - codes flagged by the reviewer that are problematic and need action by the medical coder

Approved - codes that are marked by the reviewer as approved

Not Approved - codes that are not reviewed yet



Basic steps to begin mapping

Selection of non-standard/standard code set to be mapped with standard code set



Creation of new project for mapping by medical admin



Creation of new batch by medical coder/admin and
uploading of non-standard/standard file in a predefined template



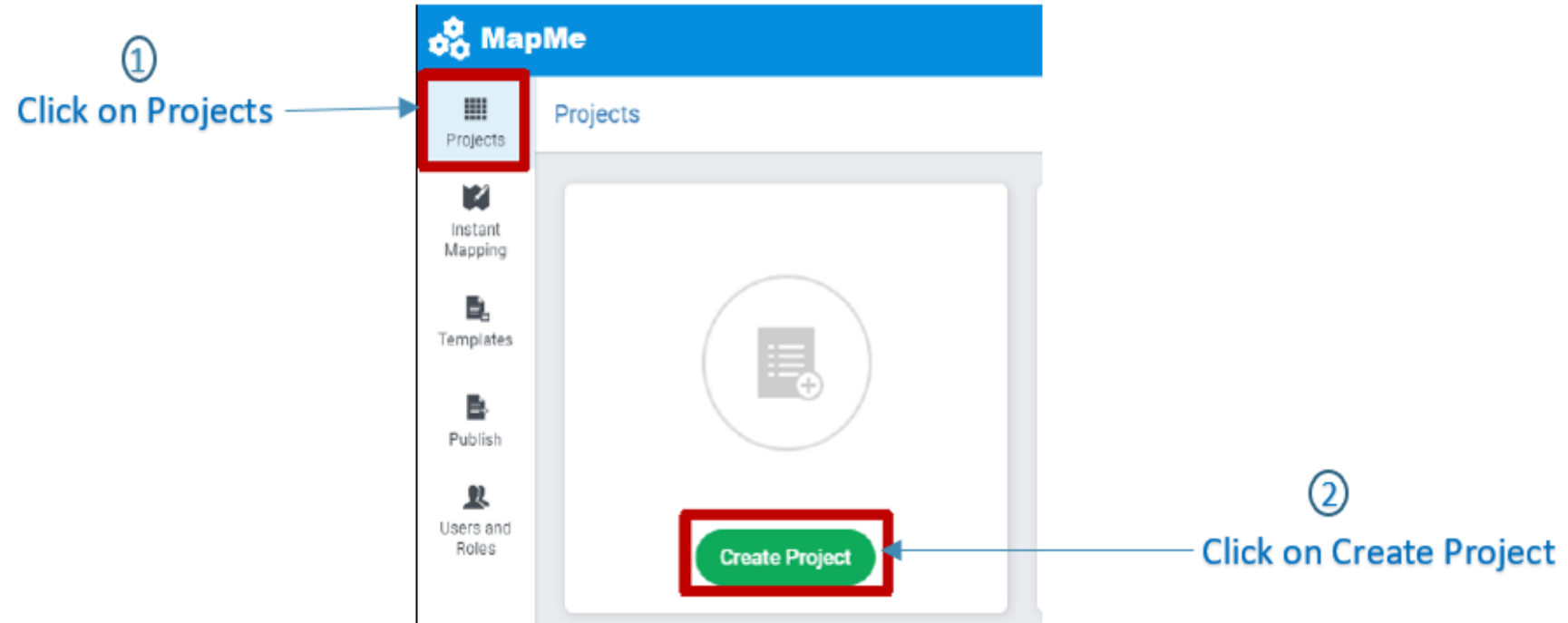
File is ready for mapping



How to create a project

Step 1

- To create a project, from the homepage, click on “Project”, then click on “Create Project”.





How to create a project

Step 2

- Fill the required project details (Project Name, Data Language, Convert From, Convert To and Project Description).

The screenshot shows a web application interface for creating a new project. On the left is a vertical sidebar with icons and labels for 'Projects', 'Instant Mapping', 'Templates', and 'Users and Roles'. The main content area is titled 'Add New Project' and contains five input fields: 'Project Name', 'Data Language' (a dropdown menu), 'Convert From', 'Convert To' (a dropdown menu), and 'Project Description'.

Projects ▸ New Project

Projects

Instant Mapping

Templates

Users and Roles

Add New Project

Project Name

Data Language ▼

Convert From

Convert To ▼

Project Description



How to create a project

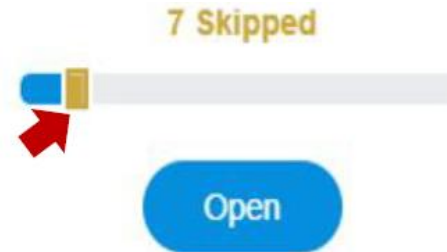
Step 2

- **Project Name** - enter name of the project (E.g., Imaging services to ACHI)
- **Data Language** - this is the language used in the internal code list, MapMe currently supports English only, however, other languages can be added if needed
- **Convert From** - is a text field in which the user can enter free text
- **Convert To** - select which standard you will map against
- **Project Description** - enter a brief description about the project
- Once a project is created, it will appear on project homepage.



How to create a project

- You can view the project name, description, creation date and progress and by hovering over the bar below, you can see the details of the project progress.



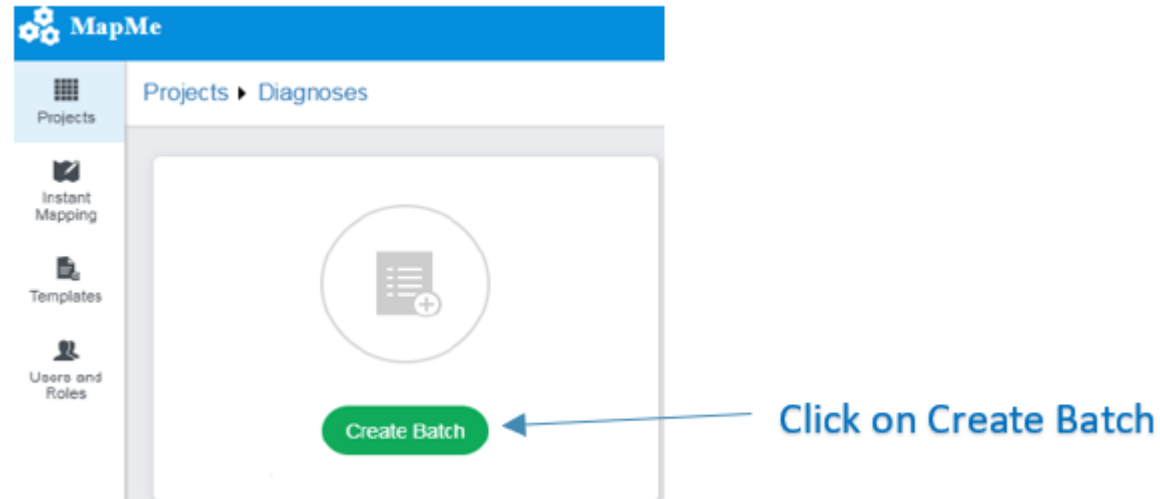
- Select Open to view the project.
- Each project consists of batch(es). A batch is a set of codes ranging from hundreds to thousands depending on the team doing the mapping.



How to create a batch

Step 1

- To create a batch, from the homepage, click on “Create Batch”.





How to create a batch


Step 2

- Fill the required batch details (Batch Name, Choose a File, Batch Type and Description).

Add New Batch


Choose a file to upload

Batch Name Min 3 characters 0/255

 [Download template](#)

Batch Type

Description Min 3 characters 0/255

Add multiple ranges (optional) 

From - To



How to create a batch

- To create a batch, click on “create batch” and enter the batch name.
- “Choose a file” field : is for uploading the internal file.
- To know the default format of the file, click on “Download template”.
- The file can be in excel or csv and has 2 columns: code and description.
- Batch type: is for uploading either unmapped, fully/partially mapped lists or mapped with top ranks.
- “Add multiple ranges” field - By selecting the start and end code-therefore, the suggested results will appear only between the selected range. Then click “Add range”.
- Click on ‘Save’ button. Once a batch is created, it will appear under assigned project.
- Click on OPEN to open a batch.





Mapping screen/view

- This is the main mapping view for medical coders

Needs Action ▾

Code Note


Coder Review




Code


CABDO
CT Abdomen

Search Description





Exclude From Search 

Suggested Codes:

Score 



Mapped Codes:



← Previous

Skip ▾

Save

Save & Next →

Next →



Mapping screen/view

- On the left-hand side, the medical coder can view the code and description of the internal code list that was uploaded.
- The code above is the “read only value”.
- For the “search description”, the tool allows the user to add and edit the description.
- Next section is suggested codes provided by the tool based on descending order of relevance.
- As you scroll down you will keep viewing endless results, results can be adjusted from the score bar above.

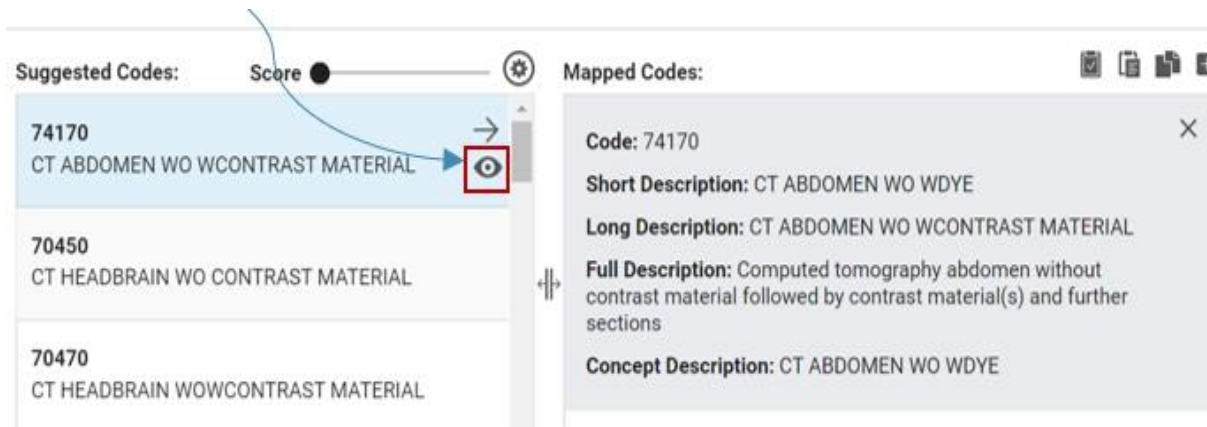


- The score bar is used for accuracy purposes, the higher the score the more accurate the results will be and the fewer the suggested results will appear.
- The score percentage is fixed, so once a certain level of accuracy is defined, as you proceed to the next codes, it will remain fixed, unless you reset the score from the settings option.



Mapping screen/view

- For each suggested code, if you would like to see more information on a suggested code, by simply hovering over the eye icon, the details of the code will appear on the right-hand side.
- By clicking on the **eye icon**, you can fixate the details that appear and then click on “X” to close.



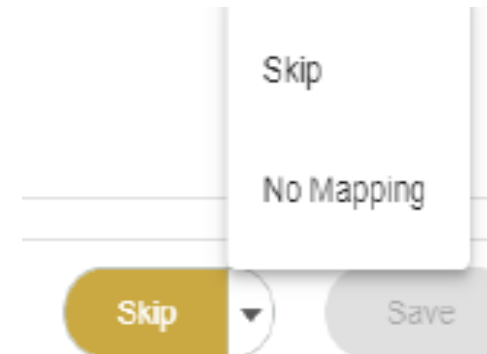


How to do mapping

- Click once on the suggested code and the mapped code will appear on the right-hand side.
- Click on save or save and next to proceed to the next code or previous button to go back to the previous codes.



- Mapping can be one-to-one or one-to-many.
- While mapping, you might encounter some codes that can't be mapped directly (or you would like to look into later), in that case, select "SKIP".





How to do mapping

- If you want to view the skipped codes, click on the filter icon and select the codes marked as “skipped” from the tick box.
- On the other hand, the medical coder might encounter codes that do not have a mapping. In that case, the medical coder can mark these codes as “No mapping”
- **Exact match vs primary**
 - ☒ Exact match
 - ☐ Primary
- By default, any mapped code is considered as approximate match.
- You can select more than one code to be an exact match, but most likely there will be 1 code that is an exact match. On the other hand, Primary is used when the mapping is 1 to many.
- While mapping, the medical coder can also flag any code that needs to be reviewed later on by selecting the “Coder Review” tab.



Coder Review



Other MapMe features

Weights

- By default, each word in the description has a weight of 1, but the weight can be modified if needed. For example if you want to increase the weight of a word add exponential sign ^1.1, 1.2....and so on.

The screenshot shows the MapMe search interface. On the left, there is a search bar with the text "ROUND WINDOW FISTULA^3.0". The term "FISTULA^3.0" is highlighted with a red box. Below the search bar is a button labeled "Exclude From Search" with a plus icon. On the right, there is a list of search results:

- K38.3**
Fistula of appendix [View more](#)
- K60.3**
Anal fistula [View more](#)
- K60.4**
Rectal fistula [View more](#)
- K60.5**
Anorectal fistula [View more](#)

- By doing so, you are drawing results by emphasizing on certain words in the description.



Other MapMe features

What is the difference between skipped and coder review?

- In order to flag a code as skipped, there should be no mapped codes, while in the coder review, you can select and map some codes and mark them as coder review at the same time.
- You can also add a CODE NOTE to leave some notes/comments for yourself while mapping.

Add code

- If while mapping, you already know the code directly and rather than browsing through the suggested codes list, you can simply click on “add code” and enter the code or description.





Other MapMe features

Add to fav and paste to fav

- If you click on paste from fav, you can see that, by default, the tool will save the last mapped code and you can also view your fav lists as well.
- If you have a fav and want to take the full list click on “select all” or “select” to take only 1 code from your fav (all or sub-list) -by doing so you can easily paste the codes and do the mapping needed.
- To add a code to your fav -after choosing the codes from the suggested list and once they appear on the mapped list, click on “Add to fav”, create a name for that list(for ex: fav 3, select all, exact primary and click add.

Review permissions are of 2 types: review and finalize review.

- “Review” is for the person who will be reviewing, (if the code is approved, there is no need for action to be taken) but if the code needs action, the one who decides will be the one who has “finalize review” permission.



Other MapMe features

Verify codes

- To select a code really far down from the suggested list, we can easily verify the mapped code by selecting the “verify codes” option.
 - Once this option has been selected, the code will be highlighted in yellow-meaning the tool internally verified the mapped code and flagged it because it was not part of the top 20 ranked.
 - If you want to see all the codes that have been highlighted as such, click on the filter option and select code status: *mapped not in top ranked records*.
 - By doing so, we can see the highlighted codes, and when we click next we can see the rest.
 - If in case batch contains incorrect mapped code those will be highlighted in red as wrong code.
-



Other MapMe features

Adding synonyms

- Another way to enhance the accuracy of the mapping is by adding synonyms
- Synonyms can be added as follows:
- For ex: if a word that has an abbreviation, by simply selecting on settings, then on +add synonym, to create an abbreviation for this word. The tool will then ensure the suggested codes contain that abbreviation.

Add Synonym

Codes List

Refresh

Full Screen

Reset Score On Navigation

Top Ranked Limit

20

Should set between 1 - 50

Font Size

14

Add Synonym

X

Name

ab

Synonym

abdominal

Add

Close



Other MapMe features

Full screen mapping

- In the settings menu, you have the option to do the mapping in FULL SCREEN (all the side and upper menus disappear when doing so)
- This gives more space for the medical coder to do the mapping
- The medical coder can also adjust the font size that best suits them

Unmapped codes

- Instead of clicking next to find the unmapped codes and resume your work, the filter option allows to search for the “Unmapped codes”.



<input type="text" value="Id"/>	<input type="text" value="Code"/>	<input type="text" value="Contains"/>	<input type="text" value="Description"/>
<input type="text" value="Target Code"/>	<input type="text" value="Target Description"/>	<input type="text" value="Unmapped"/>	

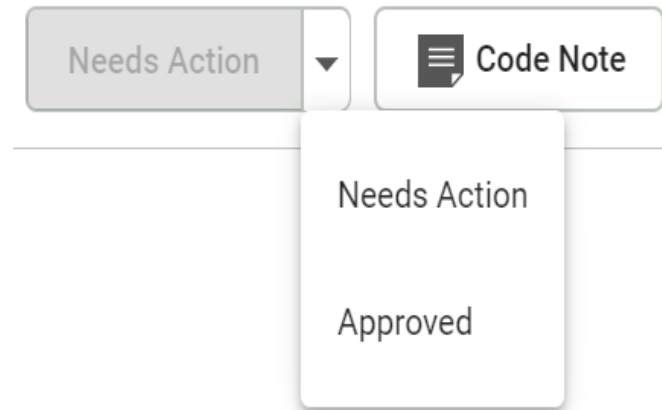
Search



Other MapMe features

Approved/Needs Action

- If clicked on “needs action” the medical coder will receive an email that this code needs modification.
- The user can also add a note (by clicking on “code note”) - this facilitates the communication between the medical coder and reviewer





Other MapMe features

Approved review

- Click on settings, then Codes list. The medical coder can also bulk review (select multiple codes then go to the last column and toggle the “approved review” column to approve all the selected codes).
- By doing so you are able to review codes in bulk rather than individually.



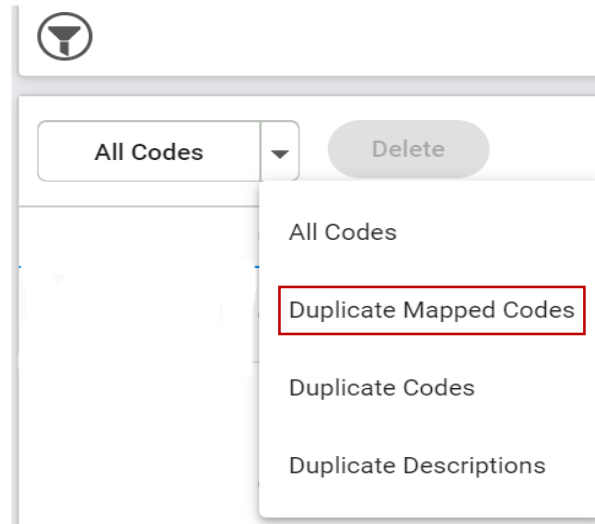
- ☐ Primary
- ☐ Last Modified
- ☐ User
- ☒ Approved Review
- ☐ Status



Other MapMe features

Duplicate mapped codes


- If you click on “duplicate mapped codes”, you will view all the codes that have been duplicated in mappings (ex: the same code is repeated 3 times meaning you have used this same code in 3 mappings).
- What differs from the codes list of a batch is 2 things: you can filter the batches (the medical admin can view all the codes within all batches) and you can view the “duplicate codes” (the duplicate codes will appear in more than 1 batch).





Other MapMe features

Export

- Exporting results can be done either on a project level or on a batch level.
- We can filter the needed results and select the format as .csv or excel.
- Also there is the option to export only the approved codes, codes that need review, Mapped, unmapped.
- Click on export (download and open the file) 



Edit



Codes List



Export



Fav Codes



Download Source File

Id <input type="text"/>	Code <input type="text"/>	Contains <input type="text"/>	Description <input type="text"/>
-------------------------	---------------------------	-------------------------------	----------------------------------

Export As <input type="text"/>	Code status <input type="text"/>	Review status <input type="text"/>
XLSX	Mapped	

You can export the filtered Data.

Search

Export

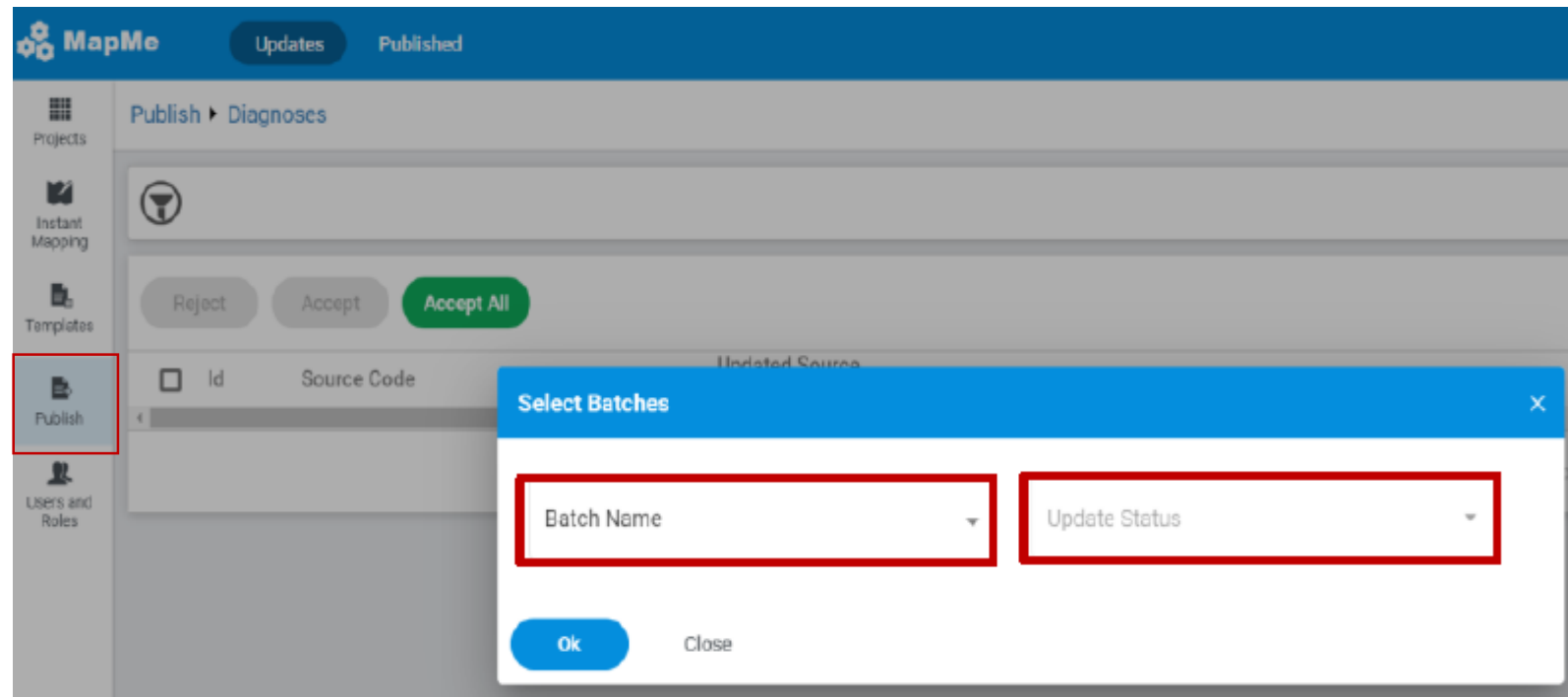




Other MapMe features

Publish

- Click on PUBLISH to view all the projects of this organization, then select the batch(es) that will be published.





Other MapMe features

Keyboard shortcuts

Press this key	To do this
Right Arrow	Next
Left Arrow	Previous
Up Arrow	Scroll suggested codes upwards
Down Arrow	Scroll suggested codes downward



Q & A





Thank You !
