

## PCM & ICD10/ DIAGNOSIS CHANGES

Updated 10/13/2015 Ver. 6.0.1310

Some recent changes include; automatic ICD9 to ICD10 mapping, optimized diagnosis search and search returns, wider screens and fields to show the full ICD descriptions, option to set Category to ICD10, a Clinic ICD10 effective date field, Family History SNOMED Custom SB List, updated Syndromic Surveillance database. The Custom SB List will default to ICD10 if the current patient's Category has been set to use ICD10.

With this update, **the Category codes must be set to use ICD10**, doing this will ensure that ICD10 codes are used for those Categories. See page 2 for instructions on setting the Category codes to use ICD10.

Per CMS - The transition to ICD-10 is required for everyone covered by the [Health Insurance Portability Accountability Act \(HIPAA\)](https://www.cms.gov/Medicare/Coding/ICD10/Index.html) <https://www.cms.gov/Medicare/Coding/ICD10/Index.html>

Additional resources <https://www.cms.gov/Medicare/Coding/ICD10/Downloads/MedicareProviderICD-10.pdf>

### Automatic Mapping of ICD codes

As of Ver. 6.0.1305

With this update un-mapped billable ICD9 codes are automatically mapped to the most probable ICD10 codes.

This function is mostly intended for minimizing the prompts that come up for mapping of unmapped codes, updating existing patient Problem Lists to ensure that credit is given for using ICD10 codes when generating CDA documents

Please note:

- The auto-mapping is not intended to replace personalized mapping or building of the Custom SB List; personalized mapping of ICD9 to ICD10 OR adding ICD10 codes to the custom list is still the preferred method for building the Custom SB List.
- Unmapped codes in the Custom SB list are not auto-mapped; the auto-mapping only applies to the master list of any un-mapped ICD9 codes
- The auto-mapping may not be as useful for some specialties such as orthopedics because most ICD10 codes require episode or laterality refinements.
  - These specialties will more than likely need to create their own list of ICD10 codes by using the ICD10 search options.

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## Important Setup Information

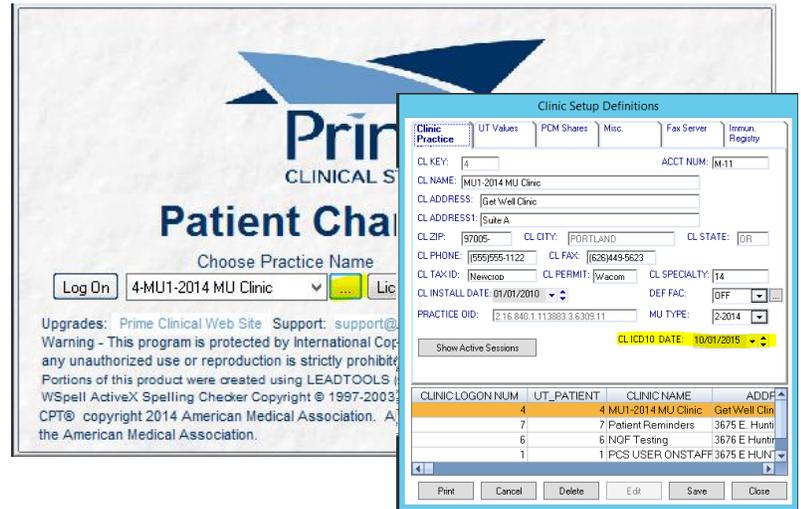
### ICD10 Effective Date

As of Ver. 6.0.1305

This date controls the ICD10 Category option for the Clinic, the date defaults to 10/01/2015 but can be changed.

Note: Intellect's ICD10 effective date field (UT\_OCD10\_EFFECTIVE\_DATE in the Parameter screen) is not used in PCM

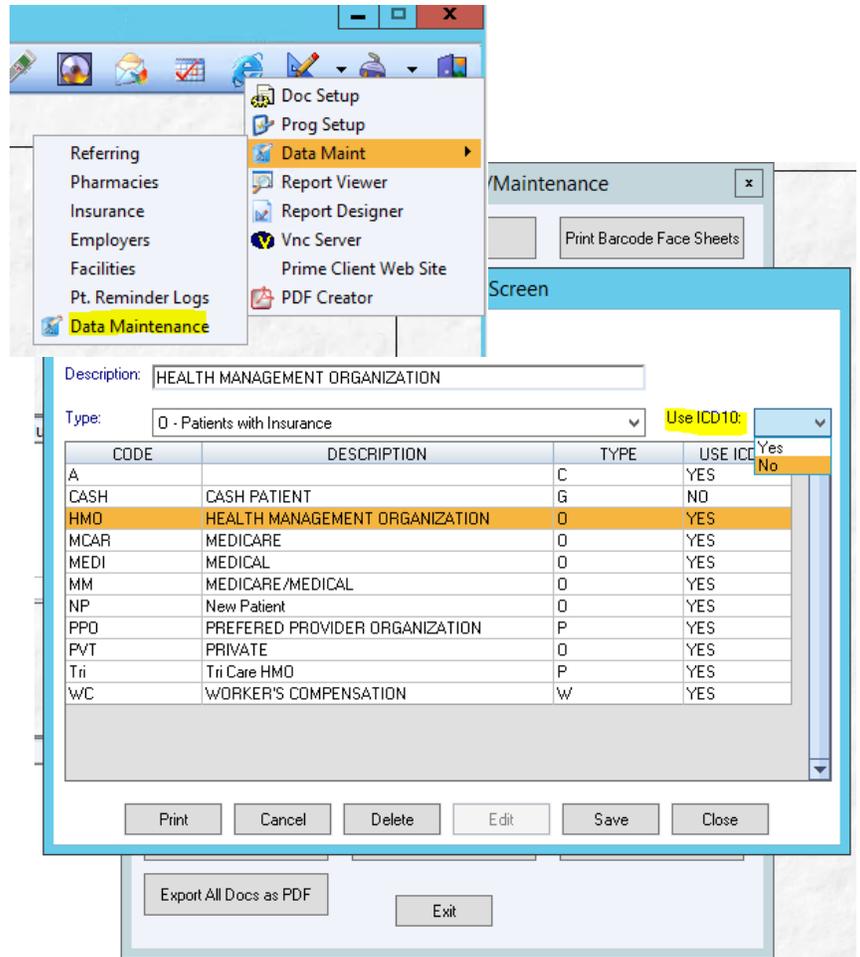
1. Click on the ... button from the Splash Screen
2. Double click on the row for the clinic you want to edit
3. Change the CL ICD10 Date
4. Save and enter the PCM ADM password



### Setting ICD10 Category Codes in PCM

As of Ver. 6.0.1305

1. Log into PCM
2. Go to Miscellaneous Options
3. Go to Data Maint, Data Maintenance Menu
4. From the Database Table Setup/Maintenance Screen Click on Category Codes
5. Double Click on the Category row you want to edit
6. Once the row is selected for editing, use the Drop down "Use ICD10:" to choose YES/NO
  - a. Yes = ICD10
  - b. No = ICD9
7. Repeat for each Category Code that will require the use of ICD10.



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### Patients with a Category set to ICD10

As of Ver. 6.0.1305

Patients who have a Category set to use ICD10 follow a specific set of rules;

- The Diagnosis Search Screen's Custom SB List defaults to ICD10

The screenshot shows the 'Diagnosis Search Screen' for patient 'DOE, MINNIE (PPO)'. It includes a search bar with 'Doe,mi' and a 'Name' dropdown. Below the search bar are various icons and a 'Close' button. The main area contains a 'Show Only Custom SB Codes' checkbox (checked) and buttons for 'OK', 'Cancel', 'Reset', 'Kbd', and 'Print'. A list of SB codes is displayed, with 'Certain Conditions Originating In The Perinatal Period' selected. To the right, there are search options: 'Type Search Text in the Space Provided...', 'Choose descriptive text column to pass back:' (with radio buttons for Description, Synonym 1, and Synonym 2), and 'Code Type' (with radio buttons for ICD9, ICD10, and Snomed). The ICD10 radio button is selected.

- The Drop down menus for selecting Diagnosis Codes only show ICD10 codes

The screenshot shows the 'Select Diagnosis Codes' dialog box. It features a table with columns: Select, Seq, ICD9/10/SN, Description, Comment, and Status. The table contains several rows, including 'G43.C PERIODIC HEADACHE SYNDROMES IN CHILD OR ADULT' and 'J02.9 Acute Pharyngitis, Unspecified'. A dropdown menu is open over the 'ICD9/10/SN' column, showing a list of ICD10 codes: 'CODE DESCRIPTION', 'J02.9 Acute Pharyngitis, Unspecified', 'E08.9 Diabetes Mellitus Due To Underlying Condition Witho', 'Z00.00 Encounter For General Adult Medical Examination W', 'J11.00 Influenza Due To Unidentified Influenza Virus With U', and 'I95.1 Orthostatic Hypotension'.

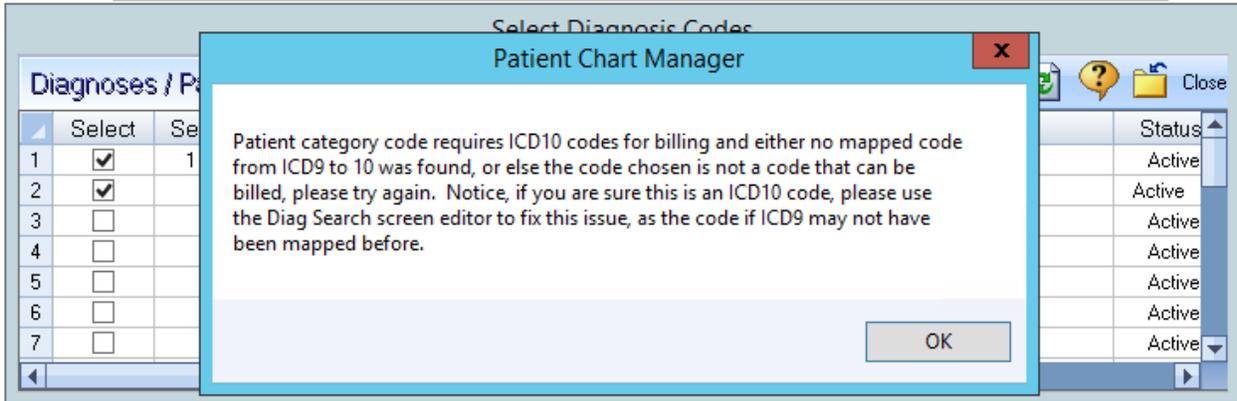
- If an existing mapped ICD9 Code from the Patient's current list of problems is selected, the ICD9 will be automatically updated to the mapped ICD10 in the Patient's Problem List and to ensure that an ICD10 code is used for the encounter.

The first screenshot shows the 'Select Diagnosis Codes' dialog box with '401.1' selected in the 'ICD9/10/Sno' column for 'BENIGN HYPERTENSION'. The second screenshot shows the patient's problem list where the 'ICD9/10/Sno' column now displays 'I10' for 'BENIGN HYPERTENSION', indicating the automatic update from the ICD9 code.

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- If an unmapped ICD9 Code is selected from the patient's existing Problem List, the user is alerted, after clicking OK to the alert, the code is de-selected. The code will have to be mapped first, or an ICD10 must be selected instead.

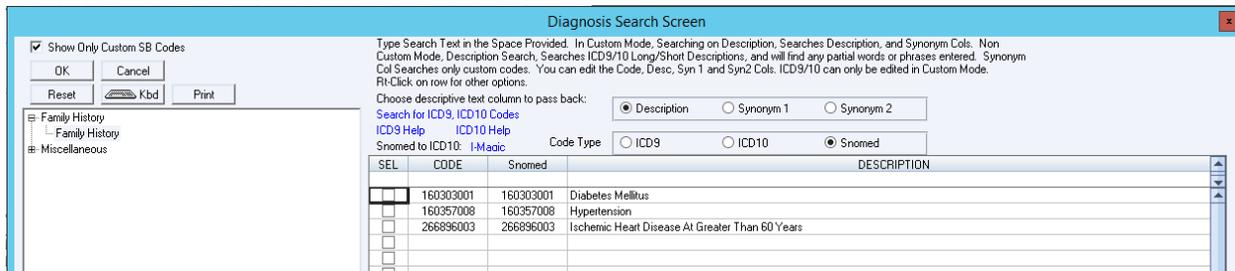


### Family History SNOMED Codes

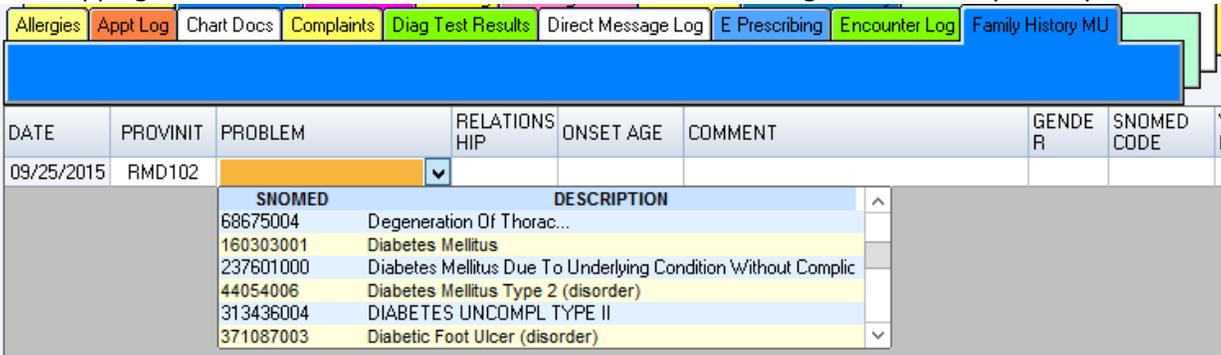
As of Ver. 6.0.1305

The SNOMED radio button list is no longer populated with codes that were previously added to the list as a result of mapping ICD9 to ICD10/SNOMED.

- There are two nodes;
  - **Family History**-will only show Family History type SNOMED codes
  - **Miscellaneous** - is for future use; the intended use is for showing all other non- Family history SNOMED codes that are added to the Custom list



- The Family History table will show the SNOMED codes that have been mapped as a result of ICD9/ICD10/SNOMED mapping as well as codes that are added to the Custom List using the new Family History node



- SNOMED codes can also be used for updating the patient's Problem List, but because SNOMED codes are not supported for billing purposes, these codes will be hidden from the final Diagnosis Table and Charge Posting screens.

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Diagnoses / Past Hx							
Seq	ICD9/10/S	Description	Comment	Status	Date Onset	Date Ine	
1	0	160303001	Diabetes Mellitus		Active	09/27/2015	
2							

### DIETARY SURVEIL/COUNSEL, BMI Checked

As of Ver. 6.0.1305

This function has been updated; either ICD9 V65.3 OR ICD10 Z71.3 code depending on the patient's category settings will be used and will function the same way as before.

### Syndromic Surveillance

As of Ver. 6.0.1305

The Diagnosis table for ICD9 and ICD10 codes has been updated; there is a new field (di\_syndrome) in the database, it stores a value of 1 if the diagnosis has been flagged for Surveillance reporting. For more information on the syndromes flagged for surveillance reporting: <http://www.syndromic.org/programs/icd-10-conversion/icd-10-mmrt>

### Adding ICD10 codes to the patient's Problem List OR Final Diagnosis Table

As of Ver. 6.0.1301

- The Diagnosis Search Screen is a lot wider and the description now shows the full description
- Searching using the DESCRIPTION field has been optimized; typing any combination of text will return results if a diagnosis description is found containing the text that was searched
- ICD10 codes are searched for added the same way you would add an ICD-9 code
- The custom Super-bill lists for ICD-10 and SNOMED-CT are automatically constructed after the mapping ICD9 codes
- Click on the Code Type radio buttons to switch between the different types of codes you want to see.

SEL	CODE	ICD10	DESCRIPTION
<input type="checkbox"/>			influenza
<input type="checkbox"/>	A413		Sepsis due to Hemophilus influenzae
<input type="checkbox"/>	A492		Hemophilus influenzae infection, unspecified site
<input type="checkbox"/>	B963		Hemophilus influenzae [H. influenzae] as the cause of diseases classified elsewhere
<input type="checkbox"/>	J09		Influenza Due To Certain Identified Influenza Viru
<input type="checkbox"/>	J09X		Influenza Due To Identified Novel Influenza A Viru
<input type="checkbox"/>	J09X1		Influenza due to identified novel influenza A virus with pneumonia
<input type="checkbox"/>	J09X2		Influenza due to identified novel influenza A virus with other respiratory manifestations
<input type="checkbox"/>	J09X3		Influenza due to identified novel influenza A virus with gastrointestinal manifestations
<input type="checkbox"/>	J09X9		Influenza due to identified novel influenza A virus with other manifestations
<input type="checkbox"/>	J10		Influenza Due To Other Identified Influenza Virus
<input type="checkbox"/>	J100		Influenza Due To Oth Identified Influenza Virus W

- For updating the patient's **Problem List**- click on the %Problem List% table link while inside a document OR open the Diagnosis Search Screen from the patient's Problem List (Diagnosis/ Past Hx)
- For adding to the **Final Diagnosis Table** (associating diagnoses for the current encounter)-click on the %Diagnosis% table link while inside a document OR use the Charge Posting function

### To search for a code in your Custom SB List

The following instructions are for adding a final diagnosis; this associates the selected diagnosis to the current patient encounter

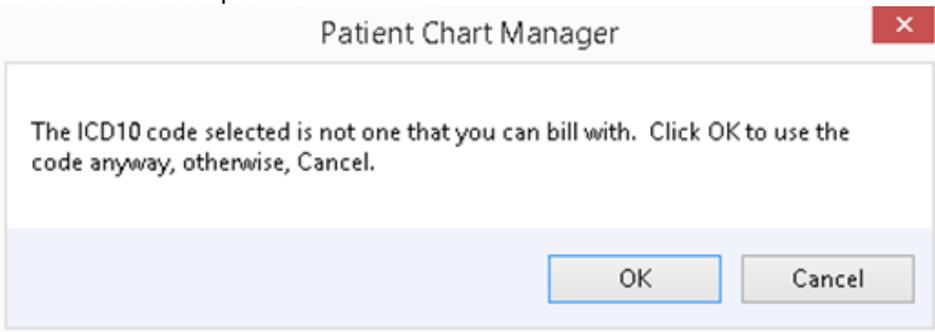
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1. Click on the %Diagnosis% while inside a document
2. To open the Diagnosis Search Screen, Click on the Ad New button
3. Scroll down the list of Diagnoses to find the code you are looking for OR if the list is too long, use the ICD10/Description fields to search for specific codes
4. Click on the SEL box to select the code to be added for the current patient encounter

### To search for a code not currently in your Custom SB List

1. From the Diagnosis Search Screen
2. Un-check the “Show Only Custom SB Codes”
3. Click on the ICD10 radio button
  - You can search using the ICD10 field if you know what the code is; use UPPER CASE without the decimal, for example; Search “J111” instead of “j11.1”
  - OR search using the DESCRIPTION field
  - There is no longer a need to use a comma when searching the master Diagnosis table, for example; searching for “right ankle fracture”, you can type exactly that to narrow the search results, or you can search for any combination of text to get more results, such as;
    - ankle
    - fracture
    - right ank fr
    - stress ankle
4. If the code you selected is not a billable code, a warning comes up, click on Cancel to NOT use and select another code that is more specific and billable



5. Once you find the code you are looking for, click on the SEL check box
6. Click on Yes to the next message

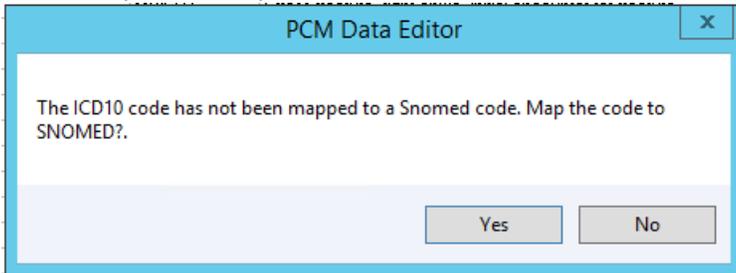
SEL	CODE	ICD10	DESCRIPTION
<input type="checkbox"/>		M80871	right ankle fracture
<input type="checkbox"/>		M80871	Other osteoporosis with current pathological fracture, right ankle and foot, subsequent encounter for fracture with malunion
<input checked="" type="checkbox"/>		M84371	Stress Fracture, Right Ankle

1. If you have the option to mapping in real time enabled, you will get a prompt for the mapping

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2. Click NO , you can map at a later time



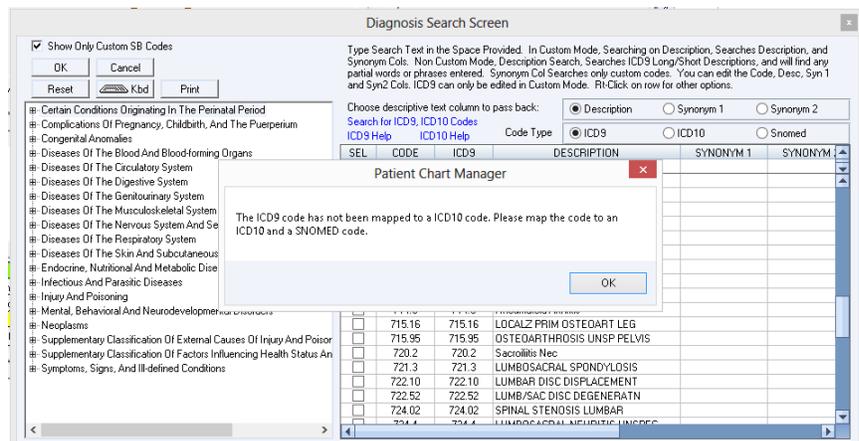
3. Once you are done with the above steps, click on OK to add the code to the patient’s Final Diagnosis table, the code is now also added to your Custom SB list

### Enable ICD-9 Real-Time Mapping option

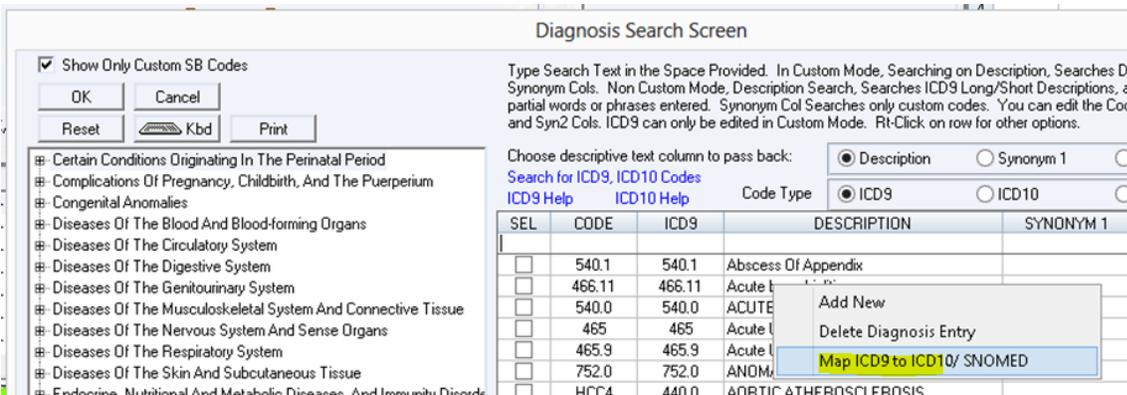
*The information in this section has not changed recently and is for informational purposes only.*

a. If this option is checked, you will be prompted to map any unmapped ICD-9/ICD-10 code(s) at the time of selecting a diagnosis to post. After clicking [OK] on the prompt, the ICD-9 Mapping Screen will open so that you can proceed with the mapping.

b. If the “Enable Real-Time Mapping ICD-9” option is unchecked, you will not be prompted to map the ICD-9 code at the time of selecting a diagnosis to post. You will have to manually map ICD-9 codes in the Diagnosis Search screen via a right-click the row:



on



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### Using External Search for finding SNOMED codes

*The information in this section has not changed recently and is for informational purposes only.*

For mapping ICD-10 to SNOMED, if a matching SNOMED code is not found in PCM, you can use the provided link(s) to launch external searches for the most appropriate SNOMED code.

We recommend using the [I-MAGIC](#) tool for finding SNOMED codes, and then use the information to enter it in PCM.

I-MAGIC (Interactive Map-Assisted Generation of ICD Codes) is a gov't. Sponsored tool that uses SNOMED codes for mapping to ICD-10 <http://imagic.nlm.nih.gov/imagic/code/map>

- Google Chrome browser is recommended to be used when opening the above links inside PCM
  - We do not recommend using Internet Explorer because the browser will often open under the PCM screen.
  - There are some instances even when using Chrome in which the browser will open under the PCM screens, if this occurs, you will have to close the PCM screens prior to doing the SNOMED/ICD-10 search.

### Instructions for using the I-MAGIC web tool

The following example of for finding a SNOMED code for a right ankle fracture using the I-MAGIC tool

1. Open your browser and got to: <http://imagic.nlm.nih.gov/imagic/code/map>
2. At the top of the screen, you can **enter the patient gender and DOB** for simulation
3. In the **Add Problem** field, Type “closed right ankle fracture”
4. **Choose a problem** from the drop down list by clicking on it

The screenshot shows the I-MAGIC web tool interface. At the top, it says "I-MAGIC" and "Using 201509 release of the SNOMED CT to ICD-10-CM map". There are links for "About", "Instructions", and "Demo". Below this, a text box explains the tool's function: "The I-MAGIC (Interactive Map-Assisted Generation of ICD Codes) Algorithm utilizes the SNOMED CT to ICD-10-CM Map in a real-time, interactive manner to generate ICD-10-CM codes. This demo simulates a problem list interface in which the user enters problems with SNOMED CT terms, which are then used to derive ICD-10-CM codes using the Map." Below the text box, there are input fields for "Name: My Patient", "Gender: Male", and "Date of Birth: 01/01/1950". A "Problem List (SNOMED-CT terms)" section follows, with a prompt: "What's wrong with the patient? Please add problem(s) here. (Hint: type 'dizzy')". A table with columns "Action" and "SNOMED-CT Name" is shown. The "Add" row contains a text input field with "Closed right ankle fracture" and a dropdown menu showing "Closed trimalleolar fracture of right ankle (10924281000119107)". Below the table, there are buttons for "Update List" and "Get ICD Codes", and a field for "Add Complex Examples:".

5. You can also **add Complex Examples** from the drop down choices as shown below, but it is not required

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**I-MAGIC**  
Using 201509 release of the SNOMED CT to ICD-10-CM map

The I-MAGIC (Interactive Map-Assisted Generation of ICD Codes) Algorithm utilizes the [SNOMED CT to ICD-10-CM Map](#) in a real-time, interactive manner to generate ICD-10-CM codes. This demo simulates a problem list interface in which the user enters problems with SNOMED CT terms, which are then used to determine ICD-10-CM codes.

**Problem List (SNOMED-CT terms)**

What's wrong with the patient? Please add problem(s) here. (Hint: type 'dizzy')

Action	SNOMED-CT Name
Add	Problem:
	Closed trimalleolar fracture of right ankle

(Only SNOMED CT terms included in the published SNOMED CT to ICD-10-CM Map are shown.)

**Update List** **Get ICD Codes**

**Episode of care**  
Closed skull fracture with intracranial injury  
Accidental poisoning by salicylates  
Fracture of shaft of ulna  
Second degree burn of foot

**Concept refinement**  
Acquired deformity of hip  
Sleep apnea

**Laterality**  
Malignant neoplasm of lower lobe bronchus  
Fracture of shaft of ulna  
Deformity of hip joint  
Second degree burn of foot  
Acquired deformity of hip

**Poisoning**  
Drug-induced myopathy

**Etiology & manifestation**  
Histoplasmosis with meningitis

**Age rule**

Gender: **Male** Date of Birth: **01/01/1950**

6. After selecting, Click on the **Update List** button

**Problem List (SNOMED-CT terms)**

What's wrong with the patient? Please add problem(s) here. (Hint: type 'dizzy')

Action	SNOMED-CT Name
Add	Problem:
	Closed right ankle fracture
	Closed trimalleolar fracture of right ankle (10924281000119107)

(Only SNOMED CT terms included in the published SNOMED CT to ICD-10-CM Map are shown.)

**Update List** **Get ICD Codes** Add Complex Examples:

7. The selected problem will be added to the Problem List

8. **To Remove the problem** and start over, check off the Remove box and click on Update List

9. Click on the button **“Get ICD Codes”**

**I-MAGIC**  
Using 201509 release of the SNOMED CT to ICD-10-CM map

The I-MAGIC (Interactive Map-Assisted Generation of ICD Codes) Algorithm utilizes the [SNOMED CT to ICD-10-CM Map](#) in a real-time, interactive manner to generate ICD-10-CM codes. This demo simulates a problem list interface in which the user enters problems with SNOMED CT terms, which are then used to determine ICD-10-CM codes.

Name: **My Patient (modified)** Gender: **Male** Date of Birth: **1 Jan 1950**

**Problem List (SNOMED-CT terms)**

What's wrong with the patient? Please add or remove problem(s) here.

Action	SNOMED-CT Name
<input type="checkbox"/> Remove	Closed trimalleolar fracture of right ankle
Add	Problem:

(Only SNOMED CT terms included in the published SNOMED CT to ICD-10-CM Map are shown.)

**Update List** **Get ICD Codes** Add Complex Examples:

10. In the Mapping Problems to ICD-10-CM screen; **choose an option** from the Required Episode Refinement choices

11. Click on the Optional Refinement ICD Notes

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### 12. Click on **Submit Refinement**

Name: My Patient (modified) Gender: Male Date of Birth: 1 Jan 1950

**Mapping Problems to ICD-10-CM**

SNOMED-CT Code	ICD-10-CM Code	ICD-10-CM Name	Optional refinement
		Closed trimalleolar fracture of right ankle (10924281000119107)	
S82.851-		Displaced trimalleolar fracture of right lower leg	ICD notes

**Required Episode refinement**

- initial encounter for **closed** fracture
- initial encounter for **open** fracture **type I or II**
- initial encounter for open fracture type **IIIA, IIIB, or IIIC**
- subsequent** encounter for **closed** fracture **with routine healing**
- subsequent encounter for **open** fracture **type I or II** with routine healing
- subsequent encounter for open fracture type **IIIA, IIIB, or IIIC** with routine healing
- subsequent encounter for **closed** fracture with **delayed** healing
- subsequent encounter for **open** fracture **type I or II** with delayed healing
- subsequent encounter for open fracture type **IIIA, IIIB, or IIIC** with delayed healing
- subsequent encounter for **closed** fracture with **nonunion**
- subsequent encounter for **open** fracture **type I or II** with nonunion
- subsequent encounter for open fracture type **IIIA, IIIB, or IIIC** with nonunion
- subsequent encounter for **closed** fracture with **malunion**
- subsequent encounter for **open** fracture **type I or II** with malunion
- subsequent encounter for open fracture type **IIIA, IIIB, or IIIC** with malunion
- sequela**

**Submit Refinement**   **Back to Problem List**

### 13. The refined ICD-10 code along with the SNOMED code is now displayed, in this screen you can select and **copy the SNOMED** for later pasting in the PCM Mapping screen

**Mapping Problems to ICD-10-CM**

SNOMED-CT Code	ICD-10-CM Code	ICD-10-CM Name	Optional refinement
		Closed trimalleolar fracture of right ankle (10924281000119107)	
S82.851A		Displaced trimalleolar fracture of right lower leg (initial encounter for closed fracture)	ICD notes

**Map Advice**

POSSIBLE REQUIREMENT FOR AN EXTERNAL CAUSE CODE

**Submit Refinement**   **Back to Problem List**

### Manually Mapping ICD10 to SNOMED Codes

- In PCM, open the Diagnosis Search Screen
- If the ICD-10 is not already in the Custom SB List, you can add it by using the steps outlined above in this document.
- If the ICD10 is already in the Custom SB List, right click on the code and choose the option to Map the code

Diagnosis Search Screen

Show Only Custom SB Codes

OK   Cancel   Reset   Kbd   Print

Type Search Text in the Space Provided. In Custom Mode, Searching on Description, Searches Description, and Synonym Cols. Non Custom Mode, Description Search, Searches ICD9/10 Long/Short Descriptions, and will find any partial words or phrases entered. Synonym Col Searches only custom codes. You can edit the Code, Desc, Syn 1 and Syn2 Cols. ICD9/10 can only be edited in Custom Mode. R-Click on row for other options.

Search for ICD9, ICD10 Codes   ICD9 Help   ICD10 Help

Choose descriptive text column to pass back:  Description    Synonym 1    Synonym 2

Snomed to ICD10: I-Magic   Code Type:  ICD9    ICD10    Snomed

CODE	ICD9	DESCRIPTION
		fracture
525.63	525.63	Fractured Dental Restorative Material Without Loss Of Material
525.64	525.64	Fractured Dental Restorative Material With Loss Of Material
733.10	733.10	Pathologic Fracture, Unspecified Site
733.13	733.13	Pathologic Fracture Of Vertebrae
733.15	733.15	Pathologic Fracture Of Other Specified Pa
733.16	733.16	Pathologic Fracture Of Tibia Or Fibula
733.19	733.19	Pathologic Fracture Of Other Specified Sit
733.8	733.8	Malunion And Nonunion Of Fracture

Right-click context menu: Add New, Delete Diagnosis Entry, **Map ICD9 to ICD10/ SNOMED**

- When the mapping screen opens, you can choose from the available codes OR you can manually paste the SNOMED code (previously copied from the I-MAGIC web page)

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ICD9 Details x

ICD 9  
733.10

Pathologic fracture, unspecified site

Please select ICD10 and SNOMED codes you would like to map to ICD9 code above from the lists below or if it doesn't exist in the list, please type the code manually into the text boxes.

Use link below To access HMAGIC, a gov't sponsored interactive tool for generation of ICD-10 from Snomed codes. [HMAGIC Code Lookup](#) [ICD9 Help](#) [ICD10 Help](#)

ICD 10

ICD 10	Description	Relation
1 M84.40XA	Pathological fracture, unspecified site	initial encounter for fracture

ICD9 Mapped to:

N/A

SNomed

SNOMED	Description	Relation
1 268029009	Pathological fracture (disorder)	completely equivalent (identical match)

ICD9 Mapped to:

Explanation

5. Click on **Save Mappings**
6. The patient's Problem List will show the SNOMED column to the far right

Diagnoses / Past Hx							
	Seq	ICD9/10/S	Description	Snomed	ICD10	Date Reviewed	Reviewed By
1	0	S82.851A	Displaced Trimalleolar Fracture Of Right Lower Leg	083202100011910	S82.851A		
2							
3							