

SNOMED International Browser Navigation Guide

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Introduction

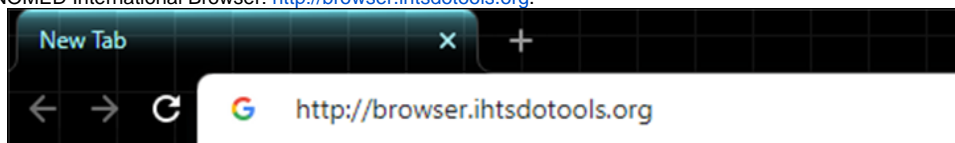
SNOMED CT is the most comprehensive, multilingual clinical healthcare terminology in the world. With over 350,000 active, scientifically validated concepts, global adoption, and local extensibility, SNOMED CT is the responsible choice for a core general electronic health record (EHR) terminology standard. As the National Release Centre (NRC) for Canada, and a founding member of SNOMED International, Canada Health Infoway (Infoway) actively manages Canadian Edition content. A key tool that SNOMED International provides to the public is the SNOMED International Browser, which allows users to browse and search the SNOMED CT International Edition and national editions at no cost (note that Integration of the SNOMED International SNOMED CT Browser with a clinical application is not permitted). This multilingual browser is a core tool for exploring the concepts, descriptions, relationships and reference sets that constitute key components of interoperable health care.

This document is intended to help users browse Canadian content using the SNOMED International browser. Recent screenshots with step-by-step directions make this guide an easy-to-follow starter resource for learning to explore SNOMED CT.

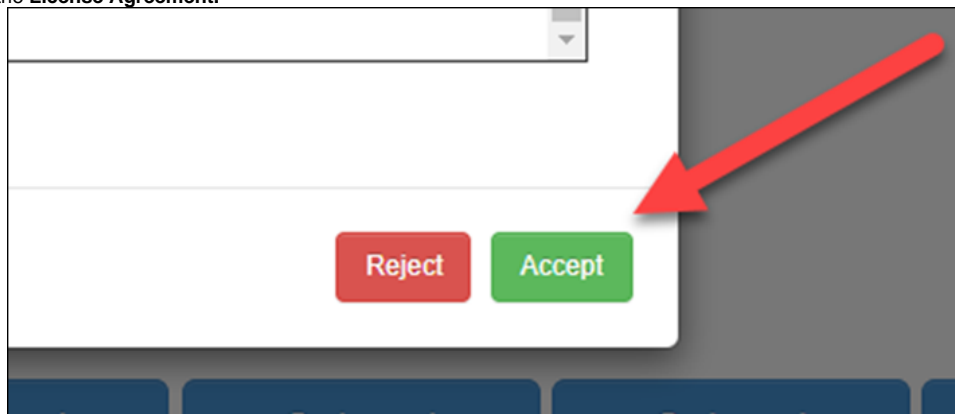
Please note that the browser works best with Google Chrome™.

Accessing the Browser and Canadian Edition

1. Navigate to the SNOMED International Browser: <http://browser.ihtsdotools.org>.



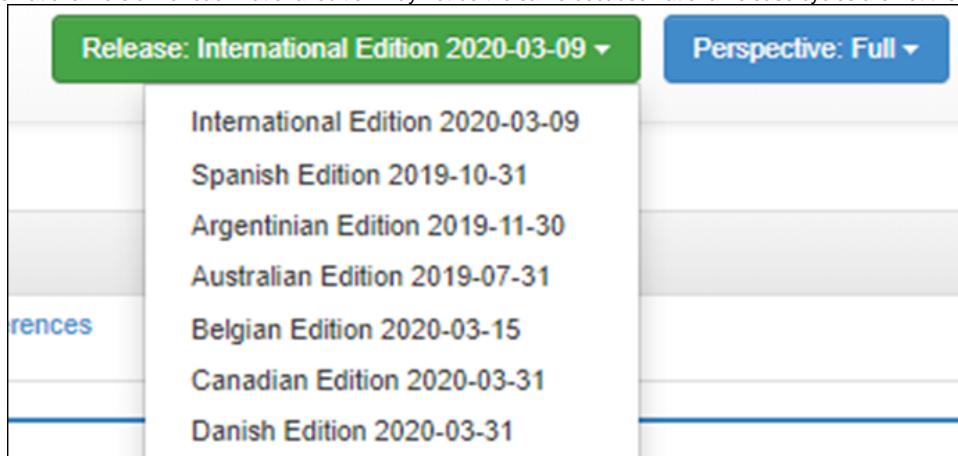
2. Read and accept the **License Agreement**.




3. To browse Canadian content, **select the Canadian Edition in the Local Extensions section**.



- a. **Tip:** The Canadian Edition is an International Edition extended with the English Canadian concepts and descriptions (en-CA), the French Canadian descriptions (fr-CA) and the Canadian reference sets (refsets).
- b. **Tip:** If you want to browse the latest release of the International Edition, click on the “Go browsing... International Edition” button in the International Editions section.
- c. **Tip:** Available releases can also be viewed and selected using the green “Release” button at the top right of the screen. Note that the underlying International version for each national edition may not be the same because national release cycles are not the same



4. Open display **Options** by clicking the  icon at the top right of the right-hand pane. Select “Display Synonyms along with FSN and preferred terms,” “Hide descriptions with no use acceptability,” “Display children,” and Canadian language refsets.

☒ Display Synonyms along with FSN and preferred terms
☐ Display Description Ids
☐ Display inactive descriptions
☒ Hide descriptions with no acceptability
☐ Diagramming Guideline colors enabled
☒ Display children

Relationships View

Inferred ▼

Language Refset
☐ United States of America English language reference set (foundation metadata concept)
☒ Canada English language reference set (foundation metadata concept)
☒ Canada French language reference set (foundation metadata concept)
☐ Great Britain English language reference set (foundation metadata concept)

- a. En-CA and fr-CA language reference sets will now be displayed under the **Details** tab of the **Concept Details** pane on the right-hand side of the screen, along with the **Fully Specified Name (FSN)** and **Acceptability** of the description.

Canada English language reference set		
Term	Acceptability (en-CA)	
F ☆ Clinical finding (finding)	Preferred	ⓘ
S ★ Clinical finding	Preferred	ⓘ
Canada French language reference set		
Term	Acceptability (fr-CA)	
F ☆ constatation clinique (constatation)	Preferred	ⓘ

Conducting a Search

Now that you've optimized the Browser to display Canadian content, you can initiate your search.

1. Navigate to the Search tab on the left-hand side of the screen. Enter at least three characters in the search field. Results will be displayed in ascending order. For demonstration purposes, the concept "Asthma" has been used in the picture below. Notice that there are 312 matches for the character string "Asthma" found, which includes all active content in descriptions, fully specified names and synonyms. Since 312 matches is a large return result, consider refining your search by applying additional filters.

SNOMED CT Browser

Taxonomy

Search

Favorites

Reset

Search

Options

Search Mode: Partial matching search mode

Status: Active concepts only

Description type: All

Language Refsets: en-CA, fr-CA

☐ Group by concept

Filter results by Language

english 303

french 9

Type at least 3 characters ✓ Example: shou fra

Asthma|

312 matches found in 2.145 seconds.

Asthma	Asthma
asthma	Asthma
Asthmatic	Asthma
FH: Asthma	Family
Wood asthma	Asthma
Asthma care	Asthma
H/O: asthma	History
Mild asthma	Mild as

2. Apply additional optional search filters such as "Status," and "Description type" on the left-hand side of the left-hand search panel under Options.
 - a. Status Filter. Applying the "Status" filter allows you to search for Active, Inactive or Active and Inactive concepts. For instance, the Canadian concept Antigen of Bacillus anthracis (substance) is active and is displayed if active concepts are included via this filter.

Search

Options

Search Mode: Partial matching search mode

Status: Active concepts only

Active concepts only

Active and inactive concepts

Inactive concepts only

Group by concept

Filter results by Language







english

5

Type at least 3 characters ✓ Example: shou fra

Anthrax antigen


5 matches found in 1.092 seconds.

  Anthrax antigen	Antigen of Bacillus anthracis (substance)
 Anthrax antigen assay	Bacillus anthracis antigen assay (procedure)
 Anthrax toxin protective antigen	Protective antigen of anthrax toxin (substance)
 Protective antigen of anthrax toxin	Protective antigen of anthrax toxin (substance)
 Protective antigen of anthrax	Protective antigen of anthrax toxin

A search for the inactivated Canadian concept Poliomyelitis antigen (substance) will not appear unless inactivated terms are enabled via this filter. Note that inactive concepts are always set against a pink background.

Parents

No parents



Inactivated poliomyelitis antigen (substance)

SCTID: 8301000087103


8301000087103 | Inactivated poliomyelitis antigen (substance) |

en Inactivated poliomyelitis antigen (substance)

en Inactivated poliomyelitis antigen

fr antigène de la polio inactivé (substance)

fr antigène de la polio inactivé



- b. The reason that a concept was inactivated can be found by clicking on the Refsets tab in the Concept Details pane on the right-hand side of the screen. This tab displays the reason for inactivation. The concept 8301000087103 |Inactivated poliomyelitis antigen (substance)| was inactivated because it was a duplicate, or SAME AS the core concept Antigen of inactivated Poliovirus (substance).

Concept Details

Summary

Details

Diagram

Expression

Refsets

Members

References

Stated

Inferred

Open maps for this concept


Simple Refsets Memberships


No memberships

Simple Map Refset name


No memberships


Attribute Value Refset name

 Concept inactivation indicator reference set

 Duplicate

Association Refset name

 SAME AS association reference set

 Inactivated Poliovirus Ag

- c. Description Type: Applying the "Description type" filter allows you to include all or individual concept descriptions such as definitions, the Fully Specified Name (FSN) or the Preferred Term. This can be useful for locating commonly used Canadian synonyms or refining your search to specific description types.

- d. Reduce the number of results by applying the “Group by concept” filter. This filter presents all FSNs that contain descriptions matching the search strings.


The screenshot shows a search filter interface with the following elements:

- Status:** Active concepts only ▼
- Description type:** All ▼
- Language Refsets:** en-CA, fr-CA ▼
- ☒ **Group by concept**
- Filter results by Language**
 - english 2
- Filter results by Semantic Tag**
 - ☒ substance 3
 - ☐ procedure 2

- e. Refine the search and target specific hierarchies by selecting only the relevant Semantic Tags in the “Filter results by Semantic Tag” pane. As you refine your search, the number of matches in each filter item will be displayed automatically beside the semantic tag term in the filter pane. If Group by Concept is checked, then the number of matches will be limited to the selected hierarchies/semantic tags. In the example below, 6 matches are within the (disorder) hierarchy, and 16 are within the (procedure) hierarchy. I have filtered out all other search results by selecting these two hierarchies for results display.

The screenshot shows the SNOMED CT Browser interface with search results for 'epistaxis'. On the left, there are filters for Search Mode (Partial matching), Status (Active concepts only), Description type (All), and Language Refsets (en-CA). Below these are checkboxes for 'Group by concept' and 'Filter results by Language' (set to English, 22 results). Further down are 'Filter results by Semantic Tag' with checkboxes for 'regime/therapy' (1), 'disorder' (6), 'constatation' (2), 'physical object' (1), and 'procedure' (16). The main results pane shows 22 matches found in 1.45 seconds, listing various epistaxis-related concepts and their descriptions.

Concept	Description
Epistaxis control	Control of hemorrhage of nose (procedure)
Anterior epistaxis	Anterior epistaxis (disorder)
Neonatal epistaxis	Neonatal epistaxis (disorder)
Perinatal epistaxis	Perinatal epistaxis (disorder)
Traumatic epistaxis	Traumatic epistaxis (disorder)
Posterior epistaxis	Posterior epistaxis (disorder)
Post-surgical epistaxis	Post-surgical epistaxis (disorder)
Epistaxis care management	Epistaxis care management (procedure)
Epistaxis control - suture	Control of epistaxis by suture (procedure)
Epistaxis control - cautery	Control of epistaxis by cautery (procedure)
Control of anterior epistaxis	Control of anterior nasal bleeding (procedure)
Education about epistaxis	Education about epistaxis care

Tip: Note the  icon. This icon is used to recall search history and is available on both the left and right panes of the browser for additional convenience. It will retain the history for the current session and will be erased when the session is closed.


The screenshot shows the 'Concept Details' pane for 'Asthma (disorder)'. The left-hand pane has a clock icon circled in red. The main pane shows the concept details for 'Asthma (disorder)' with a clock icon circled in red. The right-hand pane shows the 'Stated' and 'Inferred' tabs. The bottom of the pane shows the 'Canada English language reference set'.

- f. Limit search results to Canadian content only by navigating the left-hand side of the left-hand pane of the browser to the "Filter results by..." panes and select "Canada Health Infoway English module (core metadata concept)." Doing so will constrain the search for the concept Asthma to matching concepts within this module, which includes Canadian subsets.

The screenshot shows the SNOMED CT Browser interface with search results for 'Asthma'. The left-hand pane has filters for Search Mode (Partial matching), Status (Active concepts only), Description type (All), and Language Refsets (en-CA, fr-CA). Below these are checkboxes for 'Group by concept' and 'Filter results by Language' (set to English, 1 result). The main results pane shows 1 matches found in 1.676 seconds, listing 'Asthma clinic service' (qualifier value). A tooltip for 'Canada Health Infoway English module (core metadata concept)' is visible.

Visualizing Concept Details

Now that you know how to conduct searches and apply browser filters, you can select individual concepts and visualize their details.

1.  Visualize the location of the desired concept within the taxonomy by dragging the term from the search results section to the taxonomy section. This can also be achieved by dragging any yellow circle into the taxonomy section. Note that Yellow circles without lines denote primitive terms. Those with three lines denote fully defined terms.

SNOMED CT Browser

Taxonomy

Search

Favorites

Refset

Search

Options


Search Mode: Partial matching search mode

Status: Active concepts only

Description type: All






Language Refsets

☐ Group by concept

Type at least 3 characters  Example: shou fra

asthma

563 matches found in 1.316 seconds.

 Asthma	Drag this	Asthma (disorder)
 asthma		Asthma (disorder)
 Asthmatic		Asthma (disorder)
 FH: Asthma		Family history: Asthma (situation)
 Wood asthma		Asthma caused by wood dust (disorder)

The Taxonomy view allows the user to visualize the concept in the context of its | is a |, or parent-child relationships. Further refinements to the view in this pane can be made via the Stated view and Descendants count drop-downs.

Taxonomy

Search


Favorites


Refset


Taxonomy


Stated view


Descendants Count: Off


 Disease (disorder)


 Asthma (disorder)

 Acute asthma (disorder)

 Acute exacerbation of chronic asthmatic bronchitis (disorder)

 Acute exacerbation of chronic obstructive airways disease with asthma (disorder)

 Allergic asthma (disorder)

 Allergic asthma caused by *Dermatophagoides farinae* (disorder)

2. Select the desired concept in the search results pane in the left-hand pane. Concept Details appear in the right-hand pane of the browser via a number of more specific tabs including "Details," "Expression," "Refsets" and "Diagram" – the tab displayed below is the Summary tab.

Concept Details

Expression Constraint Queries

Concept Details

Summary

Details

Diagram

Expression

Refsets

Members

References

3. Visualize the defining relationships of the concept (attribute-value pairs; parent-child relationships), the FSN and synonyms along with the ConceptId using the Summary tab. Our earlier example, Asthma, is used to illustrate.

Concept Details

Summary

Details

Diagram

Expression

Refsets

Members

References

Parents

Disorder of respiratory system (disorder)

Asthma (disorder)

☆

SCTID: 195967001

195967001 | Asthma (disorder) |

en

Bronchial hypersensitivity

en

Asthma

en

Bronchial hyperreactivity

en

Bronchial asthma

en

BHR - Bronchial hyperreactivity

en

Bronchial hyperresponsiveness

en

Asthma (disorder)

en

Airway hyperreactivity

en

Asthmatic

en

Hyperreactive airway disease

fr

asthme bronchique

fr

Asthme

fr

hyperréactivité bronchique

fr

asthme


fr

asthme (trouble)

fr

asthma

Finding site → Airway structure

Tip: Clicking the  icon marks this concept as a favourite. Favourites can be viewed under the Favourites section in the pane on the left. This may be used to fast track the access to the same concept frequently referred to.

4. Visualize additional details in the Concept Details pane on the right under the Details tab.

Concept Details

Expression Constraint Queries

Concept Details

Summary

Details

Diagram

Expression

Refsets

Members



References


Asthma (disorder)

SCTID: 195967001, PRIMITIVE, Active. Descendants Count, Stated: 107 concepts, Inferred: 107 concepts.

In the picture(s) below, the FSN (F), ConceptId (SCTID), Preferred Synonyms and Acceptable Synonyms (S) in each of the en-CA and fr-CA language reference sets are displayed.


Canada French language reference set	
Term	Acceptability (fr-CA)
F ☆ asthme (trouble)	Preferred ⓘ
S ★ asthme	Preferred ⓘ
S ✓ Asthme	Acceptable ⓘ
S ✓ asthma	Acceptable ⓘ


 Asthma (disorder) ⓘ	
SCTID: 195967001, PRIMITIVE, Active. Descendants Count, Stated: 107 concepts, Inferred: 107 concepts.	
Canada English language reference set	
Term	Acceptability (en-CA)
F ☆ Asthma (disorder)	Preferred ⓘ
S ★ Asthma	Preferred ⓘ
S ✓ Airway hyperreactivity	Acceptable ⓘ

Tip: Improve accuracy and efficiency by using the copy function: copy the Term, ConceptId, Term and ConceptId or the Link (to share) using the  icon on the top right of this tab. Similarly, ConceptId, Term and ConceptId or the Link (to share) can be copied from the Summary tab.

Searching the Canadian Edition



Once you have selected the Release: Canadian Edition, you can browse Canadian content.


1. **Canadian English concepts** can be easily identified by a  displayed in the result pane and in the Concept Details pane. Good examples of this include the term *Métis*...

Type at least 3 characters  Example: *shou fra*

Metis

11 matches found in 0.874 seconds.

  Métis





 Métis (ethnic group)


...and Canadian trade name products for immunization:
Flumist 0.2 milliliter intranasal spray AstraZeneca Canada (product)

Type at least 3 characters ✓ Example: *shou fra*

flumist

2 matches found in 2.102 seconds.



 Inf FLUMIST AZC	 FLUMIST 0.2 milliliter intranasal spray AstraZeneca Canada (product)
 Inf FLUMIST QUADRIVALENT AZC	 FLUMIST QUADRIVALENT 0.2 milliliter intranasal spray AstraZeneca

2. **Canadian English descriptions** are flagged as Canadian content in search results. Both the Canadian English and Canadian French language reference set descriptions (i.e. FSN, synonyms) are displayed in the Details tab of the Concept Details pane. Each description is associated with a unique DescriptionId discoverable by clicking the  icon next to the term. Use DescriptionId to search for specific synonyms.

Concept Details

Summary Details Diagram Expression Refsets Members References

Stated Inferred

Measles + rubella vaccine (product)  

SCTID: 7281000087100, PRIMITIVE, Active. Descendants Count, Stated: 0 concepts, Inferred: 0 concepts.

Canada English language reference set

Term	Acceptability (en-CA)												
F ★ Measles + rubella vaccine (product)	<table border="1"> <thead> <tr> <th>DescriptionId</th> <th>Type</th> <th>Language</th> <th>Case Significance</th> <th>Effective Time</th> <th>ModuleId</th> </tr> </thead> <tbody> <tr> <td>22641000087115</td> <td>Fsn</td> <td>en</td> <td>Initial character case insensitive</td> <td>20150526</td> <td>20621000087109</td> </tr> </tbody> </table>	DescriptionId	Type	Language	Case Significance	Effective Time	ModuleId	22641000087115	Fsn	en	Initial character case insensitive	20150526	20621000087109
DescriptionId	Type	Language	Case Significance	Effective Time	ModuleId								
22641000087115	Fsn	en	Initial character case insensitive	20150526	20621000087109								
S ★ MR measles + rubella unspecified	Preferred												
S ✓ Measles + rubella vaccine	Acceptable												

Canada French language reference set

Term	Acceptability (fr-CA)												
F ★ Measles + rubella vaccine (product)	<table border="1"> <thead> <tr> <th>DescriptionId</th> <th>Type</th> <th>Language</th> <th>Case Significance</th> <th>Effective Time</th> <th>ModuleId</th> </tr> </thead> <tbody> <tr> <td>79631000087118</td> <td>Fsn</td> <td>fr</td> <td>Initial character case insensitive</td> <td>20161031</td> <td>20611000087101</td> </tr> </tbody> </table>	DescriptionId	Type	Language	Case Significance	Effective Time	ModuleId	79631000087118	Fsn	fr	Initial character case insensitive	20161031	20611000087101
DescriptionId	Type	Language	Case Significance	Effective Time	ModuleId								
79631000087118	Fsn	fr	Initial character case insensitive	20161031	20611000087101								
S ★ RR rougeole + rubéole non spécifié	Preferred												

3. **Canadian French descriptions** are also flagged as Canadian content in search results unless they have been promoted to the French Common Edition. or example, the *Measles + rubella vaccine (product)*:

Search

Options

Search Mode: Partial matching search mode

Status: Active concepts only

Description type: All





Language Refsets: en-CA, fr-CA


☒ Group by concept

Type at least 3 characters ✓ Example: *shou fra*

RR rougeole + rubéole non spécifié

3 matches found in 2.562 seconds.

 RR rougeole + rubéole non spécifié	 Measles + rubella vaccine (product)
 RRO rougeole + rubéole + oreillons non spécifié	Measles, mumps and rubella vaccine (product)
 RRO-Var rougeole + rubéole + oreillons + varicelle non spécifié	Measles + mumps + rubella + varicella vaccine (product)

4. Identify whether concepts belong to the International Edition or the Canadian Edition by clicking the  icon next to the concept description. The ModuleId will confirm who is maintaining the concept. This is important when a concept has been created in a national edition and promoted to SNOMED International. In the two concepts below, the first Pediatric chronic pain management service (qualifier value) concept was created in the Canadian Edition and promoted to international. The second Influenza quadrivalent vaccine (product) concept was created in the Canadian

Edition and is kept in the Canadian Edition. To identify Canadian edition content, locate the **Canadian namespace identifier character string 1000087 (or 1000077)** in the SCTID.

Concept Details

Summary

Details

Diagram

Expression

Refsets

Members

References

Stated

Inferred

Pediatric chronic pain management service (qualifier value)

SCTID: 24351000087104, PRIMITIVE, Active. Descendants Count, St concepts.

Effective Time

ModuleId

20200131

900000000000207008

Canada English language reference set

Term

Acceptability (en-CA)

F

☆

Pediatric chronic pain management service (qualifier value)

Preferred

S

★

Pediatric chronic pain management service

Preferred

Concept Details

Summary

Details

Diagram

Expression

Refsets

Members

References

Stated

Inferred

Influenza quadrivalent vaccine (product)

SCTID: 19401000087100, PRIMITIVE, Active. Descendants Count, St concepts.

Effective Time

ModuleId

20150526

20621000087109

Canada English language reference set

Term

Acceptability (en-CA)

F

☆

Influenza quadrivalent vaccine (product)

Preferred

S

★

Inf influenza quadrivalent unspecified

Preferred


S

✓

Influenza quadrivalent vaccine

Acceptable

Searching Canadian Refsets

- 1. **Refsets** can be browsed by clicking the refset button in the left pane of the browser. Canadian refsets are maintained by Canada Health Infoway and are also flagged visually by the  icon.

Taxonomy

Search

Favorites


Refset

Refsets

Extended map type reference set


ICD-10 complex map reference set (foundation metadata concept)

Language type



Canada English language reference set (foundation metadata concept)

Language type



Canada French language reference set (foundation metadata concept)

- 2. Display refset content (members) in two ways:
 - a. below the selection it in the left-hand panel of the browser rather than the right.

b. Or, if the refset is selected from the search field, via the **Members tab** in the Concept Details pane on the right-hand side of the screen.

Concept Details					
Summary	Details	Diagram	Expression	Refsets	Members
Term					
AFLURIA TETRA 15 micrograms per 0.5 milliliter suspension for injection Seqirus Pty Ltd					
GARDASIL 120 micrograms per 0.5 milliliter suspension for injection Merck Canada Inc.					
VAQTA 50 units per milliliter suspension for injection Merck Canada Inc. (product)					

3. For **simple reference sets** you can click on *Canada Health Infoway Reference Set Module (core metadata concept)* and get the list of Canadian reference sets by looking at the children.

The screenshot shows a search interface with the following components:

- Options Panel (Left):**
 - Search Mode: Partial matching search mode
 - Status: Active concepts only
 - Description type: All
 - Language Refsets
 - Group by concept (checkbox)
 - Filter results by Language: english (4 results)
 - Filter results by Semantic Tag: foundation metadata concept (1 result)
- Search Bar:** Type at least 3 characters. Example: shou fra. The search term is "Canada Health Infoway Reference".
- Results:** 4 matches found in 1.462 seconds.

Canada Health Infoway Reference Set Module	Canada Health Infoway Reference Set Module (core metadata concept)
Canada Health Infoway Simple Type Reference Set	Canada Health Infoway Simple Type Reference Set (foundation metadata concept)
Canada Health Infoway Reference Set Module (core metadata concept)	Canada Health Infoway Reference Set Module (core metadata concept)
Canada Health Infoway Simple Type Reference Set (foundation metadata concept)	Canada Health Infoway Simple Type Reference Set (foundation metadata concept)
- Footer:** All results are displayed

4. Canadian reference sets can also be searched, displayed and downloaded from Canada Health Infoway's **Terminology Gateway**. To do so, navigate to <https://tgateway.infoway-inforoute.ca/subsets.html> and log in.
- Tip:** The reference set names are not the same in the International Browser and in the Terminology Gateway. From the Browser to the Gateway, locate the Preferred Term of the reference set, copy paste all words except "reference set" and remove the spaces between the words from your subset name search string as shown below. For example, the Canadian Antigen codes reference set can be searched on the Terminology Gateway as *AntigenCode* and vice versa.

The screenshot shows a search interface with the following components:

- Search Bar:** Type at least 3 characters. Example: shou fra. The search term is "Antigen codes reference set".
- Results:** 1 matches found in 1.611 seconds.

Antigen codes reference set	Antigen codes for vaccines reference set (foundation metadata concept)
-----------------------------	--
- Footer:** All results are displayed

The screenshot shows the Terminology Gateway search interface with the following components:

- Header:** Canada Health Infoway Inforoute Santé du Canada | Terminology Gateway
- Breadcrumbs:** home > subsets
- Search Bar:** The search term is "AntigenCode".
- Results Table:**

Subset Name	Description
AntigenCode	The scope of this subset is antigens contained within the vac
VaccinePreventableDisease...	The scope of this subset is diseases that are prevented by a
- Footer:** Showing 1 to 2 of 2 results

Tip: From the Browser to the Gateway, locate the subset name, insert spaces between the words and add "reference set" for searches.

Additional Features and Resources

1. Explore **SNOMED CT Maps** by searching concept and then clicking on “Open maps for this concept” in the top, right-hand section of the Concept Details pane under the Refsets tab.

Concept Details Expression Constraint Queries

Concept Details

Summary Details Diagram Expression Refsets Members

Stated Inferred

Open maps for this concept

2. Selecting the “**Open maps to this concept button**” directs the user to the SNOMED International Mapping Tool production environment. For example, Asthma is mapped to ICD-10, ICD-9-CM and ICPC, and the target codes are available for visualization.

SNOMED International Mapping Tool prod

Map Entries

1/1	J45.9 Asthma, unspecified	TRUE
-----	---------------------------	------

Map Entries

1/1	J45.9 Asthma, unspecified	TRUE
-----	---------------------------	------

Map Entries

1/1	J45.9 Asthma, unspecified	TRUE
-----	---------------------------	------

Map Entries

1/1	J45.9 Asthma, unspecified	TRUE
-----	---------------------------	------

No map entries available.

Map Records for Other Projects

Published SNOMED to ICD9CM

Map Entries

1/1	493.90 Asthma, unspecified type, unspecified
-----	--

Published SNOMED to ICPC

Map Entries

3. Users may access the SNOMED International e-learning module for the browser at no cost by clicking [here](#).
4. SNOMED International has provided a Browser Tour tool [here](#).