

# NCI's Online Hematopoietic and Lymphoid Database

The screenshot shows the NCI's Online Hematopoietic and Lymphoid Database interface. At the top, the title "2012 Hematopoietic and Lymphoid Database" is displayed with a "Data last updated: May 23, 2012" note. A "SEER" logo is on the left. The interface includes a navigation bar with links like "Hematopoietic Project Home" and "Show Multiple Primaries Calculator". A search bar is present with a "Search" button. On the right, there are links for "ICD-O-3 Code Lists" and "2012 Hematopoietic Coding Manual (PDF)". The main content area is split into two columns: "Results" and "Disease Information". The "Results" column shows a list of leukemia types, with "Acute megakaryoblastic leukemia" selected. The "Disease Information" column provides details for the selected disease, including its name, ICD-O-3 code (9910/3), reportability ([REPORTABLE]), primary site (C421), grade, module rule (None), alternative names (AMKL, FAB M7, Megakaryocytic leukemia), definition, and an abstractor note.

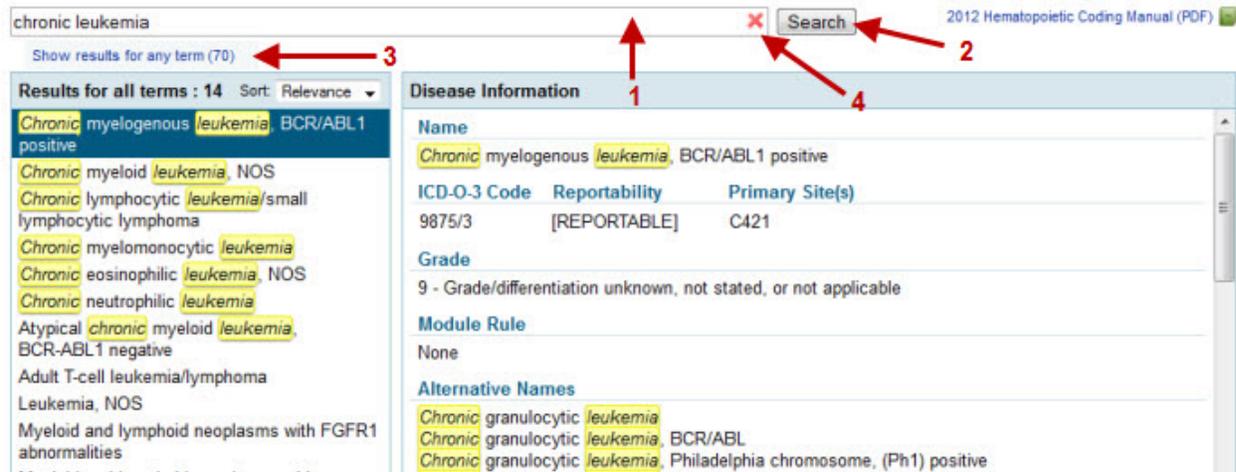
Figure 1 – Hematopoietic and Lymphoid Database

When the **Hematopoietic and Lymphoid Database** opens the search field is blank, all of the entries in the database appear in the **Results** column and the **Disease Information** column is blank. When the user highlights a result, the Disease Information column is filled with the information for the highlighted disease.

1. The **ICD-O-3 Code Lists**, some including ICD-9 and ICD-10 codes, are available for print and download in a variety of configurations through a link in the title bar on the right side of the web page. (See the section Using ICD Code Lists for more information.)
2. Both the 2012 and 2010 databases and coding manuals are available. To switch between the 2012 and 2010 Hematopoietic Databases, click on the **use the 2010/2 database** link on the right side.
3. The **Hematopoietic Project Home** link is on the left side of the web page.

4. A link to the *Ask a SEER Registrar* page is on the same line on the right side of the page.
5. To open the **Multiple Primaries Calculator**, click on the link left side of the screen. The calculator compares ICD codes to determine whether they represent the same primary or a new primary.
6. The database search field and **Search** button are above the **Results (#8)** and **Disease Information** columns (#10). (See the section **Searching the Database** for more information. )
7. The **Hematopoietic Coding Manual** is available in a PDF file through the link on right side of the Search field line. Depending on which database is open, the link will go to either the 2010 or 2012 Coding Manual.
8. The **Results** column displays the results of a search and the number of results. All of the database entries appear in the **Results** column when the database is first opened and also whenever a search is run with no search terms.
9. The **Sort** dropdown sorts the results. It defaults to alphabetic order (**Name A-Z**) when all of the database entries are shown. After a search is run with one or more terms, the sort dropdown defaults to **Relevance**.
10. The **Disease Information** column shows the information in the database for whichever disease is highlighted in the **Results (#8)** column. The information includes **Name, ICD-O-3 Code, Reportability, Primary Site(s), Grade, Module Rule, Alternative Names, Definition, Abstractor Note, Definitive Diagnostic Methods, Genetics, Immunophenotyping, Treatments, Transformations, Same Primaries, Corresponding ICD-9 Codes and Corresponding ICD-10 Codes.**

## Searching the Database



chronic leukemia

Show results for any term (70)

Results for all terms : 14 Sort: Relevance

Chronic myelogenous leukemia, BCR/ABL1 positive

Chronic myeloid leukemia, NOS

Chronic lymphocytic leukemia/small lymphocytic lymphoma

Chronic myelomonocytic leukemia

Chronic eosinophilic leukemia, NOS

Chronic neutrophilic leukemia

Atypical chronic myeloid leukemia, BCR-ABL1 negative

Adult T-cell leukemia/lymphoma

Leukemia, NOS

Myeloid and lymphoid neoplasms with FGFR1 abnormalities

Disease Information

Name  
Chronic myelogenous leukemia, BCR/ABL1 positive

ICD-O-3 Code	Reportability	Primary Site(s)
9875/3	[REPORTABLE]	C421

Grade  
9 - Grade/differentiation unknown, not stated, or not applicable

Module Rule  
None

Alternative Names

Chronic granulocytic leukemia

Chronic granulocytic leukemia, BCR/ABL

Chronic granulocytic leukemia, Philadelphia chromosome, (Ph1) positive

Figure 2 - Search Screen

1. Enter terms for the search in the Search field.
2. Click the **Search** button to run an “and” search. An “and” search treats multiple terms as if there is an “and” between each. So **every** term that appears in the search string must also appear in **every** result.
3. Click on the **Show results for any term** link. The “or” search results will appear and the link will change to **Show results for all terms** which will take the user back to the “and” search results. An “or” search treats multiple terms as if there is an “or” between each search term. In the example above, either the word “chronic” or the word “leukemia” must appear in every result.
4. Click on the red **X** to reset the search to blank. The Results will include **all** database entries.

**Note:** The Hematopoietic and Lymphoid Database search function does not work the way that most searches do. It **ONLY SEARCHES the NAME and CODING fields**. These fields are:

- Name
- Alternative Names
- ICD-O-3 Codes
- Corresponding ICD-9 codes
- Corresponding ICD-10 codes

Search terms that do not appear in one of those fields will have 0 results. For example, “chemotherapy” appears quite often in this database in the treatment field, but searching on it brings 0 results because it does not appear in any name or code fields.

The Hematopoietic and Lymphoid Database search function also follows these rules:

- Search terms are **not** case-sensitive so you can enter them in any case.
- To search for exact terms in a precise order, use quotation marks (e.g., “term1 term2”).
- All search terms are highlighted in the **Results** column and the **Disease Information** column.
- The search is weighted and the default is to sort the results based on **Relevance** by weight, but the sort dropdown menu also allows the user to select to sort alphabetically in ascending (**Name A-Z**) or descending (**Name Z-A**) order.
- The order in which the search results are weighted is:
  - by name (**Name**) – 100 points
  - by ICD-O-3 code (**ICD-O-3 Code**)– 100 points
  - by ICD-9 code (**Corresponding ICD-9 codes**) – 50 points
  - by ICD-10 code (**Corresponding ICD-10 codes**) – 50 points
  - by alternate name (**Alternative Names**) – 10 points

## ***Multiple Primaries Calculator***

**Multiple Primaries Calculator**

The Multiple Primaries Calculator was designed to be used with the coding manual. Follow the rules and workflow in the manual prior to using the calculator. Use the Multiple Primaries Calculator when the rules instruct you to do so.

Histology Code 1: 9870    Histology Code 2: 9805    Calculate    **New Primary** — result

[Close Multiple Primaries Calculator](#)

**Figure 3 - Multiple Primaries Calculator**

The **Multiple Primaries Calculator** shows whether two histology codes are for the same primary or a new primary. To compare two codes:

- 1.** Select the **Show Multiple Primaries Calculator** (#5 in Figure 1) on the link. The calculator (see Figure 3) will open.
- 2.** Enter **Histology Code 1** (#1 on Figure 3) and **Histology Code 2** (#2 on Figure 3).
- 3.** Click the **Calculate** (#3 on Figure 3) button.
- 4.** The result will be shown either as **New Primary** or **Same Primary**.

## Using the ICD Code Lists

The 2012 Hematopoietic Database is for use with cases diagnosed 01/01/2012 and forward. For cases diagnosed 01/01/2010-12/31/2011, use the 2010 database.

<< Hematopoietic Project Home < 2012 Hematopoietic and Lymphoid Database

Displaying code lists for: ICD-O-3

#	ICD-O-3 Code	ICD-O-3 Name	Reportable
1	9590/3	Medullary large B-cell lymphoma	Yes
2	9591/3	Nodular lymphoma	Yes
3	9596/3	B-cell lymphoma, intermediate between diffuse large B-cell lymphoma and classical Hodgkin lymphoma	Yes
4	9597/3	Primary cutaneous follicle centre lymphoma	Yes
5	9650/3	Classical Hodgkin lymphoma	Yes
6	9651/3	Lymphocyte-rich classical Hodgkin lymphoma	Yes
7	9652/3	Mixed cellularity classical Hodgkin lymphoma	Yes

Figure 4 - ICD Code List Dropdown

1. Click the **ICD-O-3 Code Lists** link (#1 on Figure 1) at the top right of the web page. The ICD-O-3 code list opens with the ICD-O-3.
2. A dropdown menu (#1 on Figure 4) allows you to select different configurations that include ICD-9 and ICD-10 code lists.
3. The **ICD-O-3 Codes** and **ICD-O-3 Names** appear as they do for the 2012 and 2010 databases, depending on which database is selected (#2 on Figure 4).
4. On all of the ICD code list configurations, the ICD codes link to the information about them in the **Hematopoietic and Lymphoid Database**.
5. The **Print** button (#3 on Figure 4) on the top right opens a print dialog allowing you to print the open code list.
6. The **Export** button (#4 on Figure 4) on the top right opens an export dialog that allows you to export the list in a .csv file. The file can be saved or opened in Microsoft Excel and other applications where .csv files can be viewed.