

# NCBO Extraction tool version 1.0

## i2b2 Sponsored Project - NCBO Ontology Tools

The i2b2 Hive software is composed of core modules called 'cells' that create a system to allow the use of patient data for research. These cells communicate through web services and use i2b2 standard XML messages to transfer ontology-related metadata. To date, a subset of ICD-9 has been provided with the i2b2 demo software package. There has been a need in the community for access to a complete ICD-9 ontology as well as other clinical-based ontologies.

NCBO hosts a repository of biomedical ontologies. These ontologies are stored in formats that are not understood by i2b2. A tool has been developed to not only extract these ontologies via bioportal REST services, but to transform them into a format that is understood by the i2b2 ONT cell.

### Tutorials

[i2b2 Ontology Tutorial](#) Step by step example of how metadata trees are created and configured using both Edit View and Extraction tool

[NCBO\\_Extraction\\_Overview](#) Similar to tutorial above but concentrates on what is needed to work with the NCBO Extraction tool.

[NCBO\\_Extraction\\_Users\\_Guide\\_1-0](#) User's Guide for the command line based NCBO Extraction tool

### Software

[NCBO Extraction tool 1.0 package](#) Software package for the command-line based NCBO metadata extraction tool

