

# NCBO Extraction Tool version 2.0

## Extraction Tool 2.0

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. This version of the Extraction tool was updated to work with the [NCBO BioPortal v4.0 REST services API](#)

## New Features

This version of the Extraction tool was updated to work with the [NCBO BioPortal v4.0 REST services API](#)

## Tutorials

[NCBO\\_Extraction\\_Overview](#) Step by step example of how metadata trees are created and configured using the NCBO Extraction tool.

[NCBO\\_Extraction\\_Users\\_Guide\\_2-0](#) Users Guide for version 2.0 of the NCBO Extraction tool

## Software

[NCBO Extraction Tool 2.0 package](#) Software package for version 2.0 of the command-line based NCBO metadata extraction tool