

# SNOMED CT Expression Constraint Language

The SNOMED CT Expression Constraint Language is a formal language for defining bounded sets of clinical meanings represented by either precoordinated or postcoordinated expressions.

## Status

SNOMED CT expression constraint language version 2.1 has been published at <http://snomed.org/ecl>.

## Implementations

SNOMED International is aware of the following implementations of the SNOMED CT Expression Constraint Language:

- Snowstorm - SNOMED International Terminology Server (via REST API) - <https://github.com/IHTSDO/snowstorm>
  - Provides API for the SNOMED International public browser (See "Expression Constraint Queries" tab) - <https://browser.ihtsdotools.org/>
- SNOMED International SNOMED CT Query Service - <https://github.com/IHTSDO/snomed-query-service>
- CSIRO Ontoserver Expression Constraints - <https://ontoserver.csiro.au/shrimp/ecl.html> (help)
- ECL Syntax Parser - <https://github.com/hsolbrig/SNOMEDCTParser>
- Hermes: <https://GitHub.com/wardle/hermes>
- PHAST's FHIR Terminology server STS - <https://topaze.phast.fr/resources-server/api/fhir>
  - Available 24x7 for testing, through CSIRO's VS tool - <https://ontoserver.csiro.au/vstool/>
- Slang - <http://slang.snomedic.com:8080/yats/>
- SnoLyze - <https://github.com/slaverman/SnoLyze> (ECL v1.2)
- Snomedizer: <https://github.com/ramses-antibiotics/snomedizer>
- Snow Owl
  - Terminology Server (via REST API) - <https://github.com/IHTSDO/snow-owl>
  - ECL 2.1 - <https://github.com/b2ihealthcare/snow-owl>
- SNQuery - <http://snquery.veratech.es/>
- Terminz - <https://terminz.azurewebsites.net/fhir>
- termMed's termSpace - <http://demo.termspace.com/> and <https://termmed.atlassian.net/wiki/display/TSD/Creating+queries>
- West Coast Informatics (WCI) SNOMED Terminology Server - <https://snomed.terminology.tools/terminology-ui/index.html>

If you know of additional ECL implementations, please contact [info@snomed.org](mailto:info@snomed.org) with details.