***Fact Sheet*  
UMLS® Terminology Services**

**Introduction**

The [UMLS Terminology Services (UTS)](https://uts.nlm.nih.gov/) provides online access to the Unified Medical Language System® (UMLS®) Knowledge Sources and other NLM terminology resources. The UTS allows single sign-on access to all UMLS resources: Web-based terminology browsers, file downloads, reporting tools, and user profile management.

The UTS includes browsers for the Metathesaurus, the Semantic Network and SNOMED CT®. The Metathesaurus and SNOMED CT browsers have terminology and code searching capabilities as well as tree browsers for exploring hierarchical structure of source vocabularies within the UMLS. The Semantic Network browser allows you to browse the terms, relations and hierarchy of the Semantic Network.

You must have an active UMLS Metathesaurus License to access the UTS. For instructions on requesting a license and accessing the UTS, see [How to License and Access the Unified Medical Language System® (UMLS®) Data](http://www.nlm.nih.gov/databases/umls.html).

**Metathesaurus® Browser**

The [Metathesaurus](http://www.nlm.nih.gov/pubs/factsheets/umlsmeta.html) Search tab allows you to search the Metathesaurus by term, concept unique identifier (CUI) or code. You can query data from Metathesaurus concepts, such as definitions, semantic types, related concepts, hierarchical details, and co-occurrence information. You can restrict your search to a particular source vocabulary.

The Metathesaurus Tree tab allows you to navigate the hierarchy of a selected source vocabulary to browse both its content and structure. Note: The Metathesaurus Tree Browser includes only those source vocabularies that have a hierarchical structure.

**Semantic Network Browser**

The [Semantic Network](http://www.nlm.nih.gov/pubs/factsheets/umlssemn.html) List tab allows you to browse the Semantic Network for specific semantic types and semantic relations. You can query the Semantic Network to learn the semantic relation existing between semantic types.

The Semantic Network Tree tab shows the hierarchical representation of the semantic types and semantic relations that comprise the Semantic Network.

**SNOMED CT® Browser**

The [SNOMED CT](http://www.nlm.nih.gov/research/umls/Snomed/snomed_main.html) Search tab enables you to browse SNOMED CT concepts ~~within the context of the Metathesaurus~~ that are present in the UMLS Metathesaurus. You may search by term, SNOMED CT ConceptID, or SNOMED CT DescriptionID.

The SNOMED CT Tree tab allows you to browse the SNOMED CT Top Level Concept Codes and their children.

**SPECIALIST Lexicon and Lexical Tools**

The [SPECIALIST Natural Language Processing (NLP) Tools](http://www.nlm.nih.gov/pubs/factsheets/umlslex.html) are accessible through the *Resources* menu of the UTS.

**Downloads**

The *Downloads* menu of the UTS provides access to several NLM terminology resources, including the UMLS Knowledge Source files, RxNorm files, and SNOMED CT files.

**Developer Resources**

The UTS provides Application Programmer Interfaces (APIs). These are for users who wish to remotely query and retrieve data from the UMLS within their own applications. You can find API documentation under the *Documentation* menu of the UTS.

The UTS includes a RESTful API that allows application developers to verify that their third-party users have an active UMLS license code. Application developers must be authorized distributors of UMLS data to use this service. You can find documentation for Validating UMLS Licensees under the *Documentation* menu of the UTS.

**A complete list of NLM Factsheets is available at:**  
(alphabetical list): [http://www.nlm.nih.gov/pubs/factsheets/factsheets.html](file:///S:\pubs\factsheets\factsheets.html)  
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**Or write to:**

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