

Terminology Sources

EVS Vocabulary Processing

EVS licenses and serves third party terminology as needed to meet NCI and caBIG requirements. These vocabularies come to EVS from a variety of sources and in a variety of formats. Though the LexBIG application is able to import most of these formats directly, a few terminologies require further processing before they can be loaded. Details on terminology sources, formats and processing are provided on this page.

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Locally produced vocabularies

EVS produces the following vocabularies and makes them available through the LexEVS API and various browsers (NCIt Browser, NCI Metathesaurus Browser).

Name	Source	URL for Download	Secured?	Format	Size	Processing Notes
NCI Metathesaurus	NCI Enterprise Vocabulary Services	https://evs.nci.nih.gov/evs-download/metathesaurus-downloads	N/A	RRF	5.4G	NCI Metathesaurus Processing
NCI Thesaurus	NCI Enterprise Vocabulary Services	https://evs.nci.nih.gov/evs-download/thesaurus-downloads	N/A	OWL	290M	NCI Thesaurus Processing
CTCAE	Common Terminology Criteria for Adverse Events	http://evs.nci.nih.gov/ftp1/CTCAE/About.html	NA	OWL	1M	N/A

External vocabularies published by EVS

EVS makes available a number of terminologies through the NCI Browser and API that are produced by sources outside the NCI.

Name	Source	URL for Download	Secured?	Format	Size	Processing Notes
Gene Ontology	Gene Ontology Consortium	ftp://ftp.geneontology.org/pub/go/ontology-archive/	N/A	OBO	12M	None
HL7	Health Level Seven	http://www.hl7.org/Library/data-model/RIM/modelpage_mem.htm	N/A	RIM database	32M	None
NDF-RT	Department of Veterans Affairs	https://evs.nci.nih.gov/ftp1/NDF-RT/	Yes	OWL	4M	Converted from Ontylog to OWL by Lockheed Martin
The MGED Ontology	FGED Society	No longer being produced - has been incorporated into OBI	N/A	OWL	1M	None
UMLS	Unified Medical Language System	http://www.nlm.nih.gov/umlsknowledgesources.html	Requires Free UMLS License	RRF	22G	See UMLS Subsets table below
UMLS SemNet	UMLS Semantic Network	http://semanticnetwork.nlm.nih.gov/Download/index.html	N/A	RRF	1M	None
Zebrafish	The Zebrafish Model Organization Database	http://obo.cvs.sourceforge.net/.../zebrafish_anatomy.obo	N/A	OBO	1M	None
ChEBI	Chemical Entities of Biological Interest	ftp://ftp.ebi.ac.uk/pub/databases/chebi/ontology/chebi.obo	N/A	OBO	1M	None
Mouse Anatomy	Mouse Adult Gross Anatomy	ftp://ftp.informatics.jax.org./adult_mouse_anatomy.obo	N/A	OBO	1M	None
HGNC	Hugo Gene Nomenclature Committee Ontology	ftp://ftp.ebi.ac.uk/pub/databases/genenames/hgnc_complete_set.txt.gz	NA	Flat	1M	Convert to OWL
OBI	Ontology for Biomedical Investigations	https://github.com/obi-ontology/obi/blob/master/obi.owl	NA	OWL	1M	None
CanMED	Cancer Medications Enquiry Database	https://seer.cancer.gov/oncologytoolbox/	NA	txt	13M	Convert to OWL
DUO	Data Use Ontology					

UMLS subsets published by EVS

The UMLS is not published in entirety. Instead a number of subset ontologies are extracted and published.

Name	Original Source	Secured?	Size of subset	Processing Notes
LOINC	Logical Observation Identifiers Names and Codes	N/A	500M	None
MedDRA	Maintenance and Support Services Organization	Requires MSSO Subscription	193M	None
Snomed	International Health Terminology Standards Development Organization	Requires Snomed license	7.4G	None
ICD9	The International Classification of Diseases Ninth Revision	N/A	180M	None
ICD9CM	The International Classification of Diseases Ninth Revision Clinical Modification	N/A	210M	None
ICD10	The International Classification of Diseases Tenth Revision	N/A	121M	None
ICD10CM	The International Classification of Diseases Tenth Revision Clinical Modification	N/A	285M	None
PDQ	Physicians Data Query	N/A	160M	None
RadLex	RSNA RadLex	N/A	179M	None
MED-RT	MED-RT	NA	2M	None