

# Shared Terminology Development

Since 1997, EVS has worked with many partners to build shared content and services, so that information can be effectively exchanged, interpreted and analyzed while minimizing overall effort and cost. Much of this content has been created and published using NCI Thesaurus and NCI Metathesaurus, as outlined in the following sections and described in more detail in the individual user profiles later, where other shared development efforts are also described.

- [NCI Thesaurus \(NCIt\)](#)
- [NCI Metathesaurus \(NCIm\)](#)

## NCI Thesaurus (NCIt)

NCI Thesaurus (NCIt) is NCI's core reference terminology. Over the last 16 years, it has also been adopted by FDA, CDISC, NCPDP and other partners as a shared standards development and coding environment, allowing participants to compare and harmonize with each other's content while taking advantage of full-text definitions, codes, and other features.

About 117,000 out of the 154,946 current NCIt concepts have terms from both EVS and from one or more of these other sources. The chart below gives a detailed breakdown of the main areas of overlapping tagged content. Note that some partners have used NCI terms rather than tagging their own, so these figures understate the true extent of cross-source sharing.

**NCIt concepts with terms from tagged outside sources (22.11D: November 2022)**



**NCIt concepts with tagged synonyms from each outside source (22.11D: November 2022)**

<b>NCIt Concepts</b>	<b>Source</b>
3	ACC
716	ACC/AHA
2016	BRIDG
408	CareLex
56	CBDD
268	CCPS
25960	CDISC
787	CDISC-GLOSS
2255	Cellosaurus
3659	CPTAC
406	CRCH
8924	CTCAE
280	CTDC
427	CTEP
26834	CTRP
636	DIPG/DMG
1049	EDQM-HC
27681	FDA
239	GAIA
5996	GDC
127	HL7
106	ICD-10
663	ICDC
216	ICH
215	INC
1281	MedDRA
23	NAACCR
243	NCCN
510	NCPDP
6	NDC
4785	NICHHD
446	OORO
38	ORCHESTRA
1863	PCDC
40	PI-RADS

377	SEER
660	SeroNet
284	UCUM

## NCI Metathesaurus (NCIm)

NCI Metathesaurus (NCIm) was started in the late 1990s to gather up, translate between, and publish the many terminologies used by NCI, including some created in part or whole within NCI. Development of NCI Thesaurus started within NCIm as NewPDQ, an effort to extend and restructure the PDQ Terminology long used to code cancer clinical trial, research and public information resources. NCIm continues to provide a vital environment for EVS collaboration with NCI and other partners to develop, map and publish terminologies of shared interest, and responds to the requirements of a broad range of stakeholders within the cancer research and biomedical community.

NCIt tagged content from outside sources is imported into NCIm with separate source tags. NCIt-derived sources are grouped separately below. The NCIm tags are mostly identical or very similar to those in NCIt; exceptions are CADSR, converted to NCI; HL7, converted to NCI-HL7; and CTRM, which is not imported.

### NCIm sources and the number of concepts to which each contributes (202105: May 2021)

NCIm concepts	Source Label - NCIt-derived	Source Name
713	ACC-AHA	American College of Cardiology/American Heart Association Clinical Data Terminology, 2021_01D
334	BioC	BioCarta online maps of molecular pathways, adapted for NCI use, 2021_01D
27	BRIDG	Biomedical Research Integrated Domain Group Model, 2021_01D
1148	BRIDG_3_0_3	Biomedical Research Integrated Domain Group Model, 3.0.3, 2021_01D
1658	BRIDG_5_3	Biomedical Research Integrated Domain Group Model, 5.3, 2021_01D
17974	caDSR	Cancer Data Standards Registry and Repository, 2021_01D
407	CARELEX	Content Archive Resource Exchange Lexicon, 2021_01D
53	CBDD	Chemical Biology and Drug Development Vocabulary, 2021_01D
265	CCPS	Childhood Cancer Predisposition Study, 2022_01E
923	CDC	U.S. Centers for Disease Control and Prevention, 2021_01D
26120	CDISC	Clinical Data Interchange Standards Consortium, 2021_01D
788	CDISC-GLOSS	Clinical Data Interchange Standards Consortium Glossary Terms, 2021_01D
2167	CELLOSAURUS	Cellosaurus, 2021_01D
3688	CPTAC	Clinical Proteomic Tumor Analysis Consortium, 2021_01D
406	CRCH	Cancer Research Center of Hawaii Nutrition Terminology, 2021_01D
775	CTCAE	Common Terminology Criteria for Adverse Events, 2021_01D
5599	CTCAE_3	Common Terminology Criteria for Adverse Events 3.0, 2021_01D
4022	CTCAE_5	Common Terminology Criteria for Adverse Events 5.0, 2021_01D
276	CTDC	Clinical Trial Data Commons, 2021_01D
318	CTEP	Cancer Therapy Evaluation Program, 2004
373	CTEP-SDC	Cancer Therapy Evaluation Program - Simple Disease Classification, 2021_01D
25582	CTRP	Clinical Trials Reporting Program, 2021_01D
903	DCP	NCI Division of Cancer Prevention Program, 2021_01D
114	DICOM	Digital Imaging Communications in Medicine, 2021_01D
627	DIPG_DMG	Diffuse Intrinsic Pontine Glioma/Diffuse Midline Glioma Terminology, 2022_01E
694	DTP	NCI Developmental Therapeutics Program, 2021_01D
1041	EDQM-HC	European Directorate for the Quality of Medicines & Healthcare, 2021_01D

25994	FDA	U.S. Food and Drug Administration, 2021_01D
207	GAIA	Global Alignment of Immunization Safety Assessment in pregnancy, 2021_01D
5472	GDC	NCI Genomic Data Commons, 2021_01D
281	GENC	Geopolitical Entities, Names, and Codes Standard, 2021_01D
106	ICD-10	International Classification of Diseases, 10th Edition, 2022_01E
671	ICDC	NCI Integrated Canine Data Commons, 2021_01D
215	ICH	International Conference on Harmonization, 2021_01D
215	INC	International Neonatal Consortium, 2021_01D
156	JAX	Jackson Laboratories Mouse Terminology, adapted for NCI use, 2021_01D
244	KEGG	KEGG Pathway Database, 2021_01D
166401	NCI	National Cancer Institute Thesaurus, 2021_01D
5078	NCI-GLOSS	NCI Dictionary of Cancer Terms, 2021_01D
5392	NCI-HGNC	NCI HUGO Gene Nomenclature Committee, 2021_01D
129	NCI-HL7	NCI Health Level 7, 2021_01D
509	NCPDP	National Council for Prescription Drug Programs, 2021_01D
5	NDC	National Drug Code, 2021_01D
4782	NICHD	National Institute of Child Health and Human Development, 2021_01D
1200	PCDC	Pediatric Cancer Data Commons, 2021_01D
39	PI-RADS	Prostate Imaging Reporting and Data System, 2021_01D
169	PID	National Cancer Institute Nature Pathway Interaction Database, 2021_01D
310	RENI	Registry Nomenclature Information System, 2021_01D
296	SeroNet	Serological Sciences Network Terminology, 2022_01E
1456	UCUM	Unified Code for Units of Measure, 2021_01D
20	WHO	World Health Organization (WHO) Terminology, 2022_01E
25	ZFIN	Zebrafish Model Organism Database, 2021_01D

<b>NCIm concepts</b>	<b>Source Label - Other</b>	<b>Source Name</b>
15882	AOD	Alcohol and Other Drug Thesaurus, 2000
276	AOT	Authorized Osteopathic Thesaurus, 2003
13257	CBO	Clinical Bioinformatics Ontology, 2011_02
541	CCSR_ICD10CM	Clinical Classifications Software Refined for ICD-10-CM, 2021
356	CCSR_ICD10PCS	Clinical Classifications Software Refined for ICD-10-PCS, 2021
962	CDCREC	Race & Ethnicity - CDC, 1.2
3078	COSTAR	COSTAR, 1989-1995
16494	CSP	CRISP Thesaurus, 2006
3843	CST	COSTART, 1995
318	CTEP	Cancer Therapy Evaluation Program, 2004
529	CVX	Vaccines Administered, 2017_02_08, 2020_07_28
9620	DRUGBANK	DrugBank, 5.0_2016_06_22, 5.0_2020_07_30
7289	DXP	DXplain, 1994

102562	FMA	Foundational Model of Anatomy Ontology, 4_15
7495	GARD	Genetic and Rare Diseases Information Center, 2015_04
71208	GO	Gene Ontology, 2020_05_02
7591	HCPCS	Healthcare Common Procedure Coding System, 2020
42505	HGNC	HUGO Gene Nomenclature Committee, 2020_05
9061	HL7V3.0	HL7 Vocabulary Version 3.0, 2019_12
17747	HPO	Human Phenotype Ontology, 2020_06_08
17424	ICD10	ICD10, 2016
103391	ICD10CM	International Classification of Diseases, 10th Edition, Clinical Modification, 2021
190986	ICD10PCS	ICD-10-PCS, 2021
20937	ICD9CM	International Classification of Diseases, Ninth Revision, Clinical Modification, 2014
2874	ICDO	International Classification of Disease for Oncology, 3_2
748	ICPC	International Classification of Primary Care, 1993
5055	ISO3166-2	International Organization for Standardization 3166-2, 2012
167298	LNC	LOINC, 268
41	MCM	McMaster University Epidemiology Terms, 1992
332	MDBCAC	Mitelman Database of Chromosome Aberrations in Cancer, 2005_12
59238	MDR	Medical Dictionary for Regulatory Activities Terminology (MedDRA), 23_1
3431	MED-RT	Medication Reference Terminology, 2020_09_08
2109	MEDLINEPLUS	MedlinePlus Health Topics, 20191029
900	MGED	MGED Ontology, 131
449367	MSH	Medical Subject Headings, 2021_2020_07_16
212203	MTH	UMLS Metathesaurus, 2020AB
11	MTHCMSFRF	Metathesaurus CMS Formulary Reference File, MTHCMSFRF_2014
19009	MTHICD9	International Classification of Diseases, Ninth Revision, Clinical Modification, Metathesaurus additional entry terms, 2014
1633	MTHMST	Metathesaurus Version of Minimal Standard Terminology Digestive Endoscopy, 2001
69394	MTHSPL	Metathesaurus FDA Structured Product Labels, 2020_08_28
84	MVX	Manufacturers of Vaccines, 2020_09_04
1983453	NCBI	NCBI Taxonomy, 2020_05_21
7984	NCIMTH	NCIMTH
0	NCISEER	NCI SEER ICD Neoplasm Code Mappings, 1999
1887	NPO	NPO: NanoParticle Ontology for Cancer Nanotechnology Research, 2011_12_08
97276	OMIM	Online Mendelian Inheritance in Man, 2020_07_27
12398	PDQ	Physician Data Query, 2016_07_31
2039	PMA	Portfolio Management Application, 2010
260	PNDS	Perioperative Nursing Data Set, 4_2018
940	QMR	Quick Medical Reference (QMR), 1996
45834	RADLEX	RadLex, 4_1
198630	RXNORM	RxNorm Vocabulary, 20AA_200908F
349474	SNOMEDCT_US	US Edition of SNOMED CT, 2020_09_01

167	SOP	Source of Payment Typology, 9
4810	SPN	Standard Product Nomenclature, 2003
222	SRC	Metathesaurus Source Terminology Names
28738	UMD	UMDNS: product category thesaurus, 2020
4978	USP	USP Compendial Nomenclature, 2020_02_06
1605	USPMG	USP Medicare Model Guidelines, 2020
61112	UWDA	University of Washington Digital Anatomist, 1.7.3
35585	VANDF	Veterans Health Administration National Drug File, 2020_08_03

**Overall Counts (May 2021)**

Concepts	Relationships	Attributes	Total Number of Terms
3,894,448	25,315,538	28,523,670	8,643,581