

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 \(NCIm\)](#)

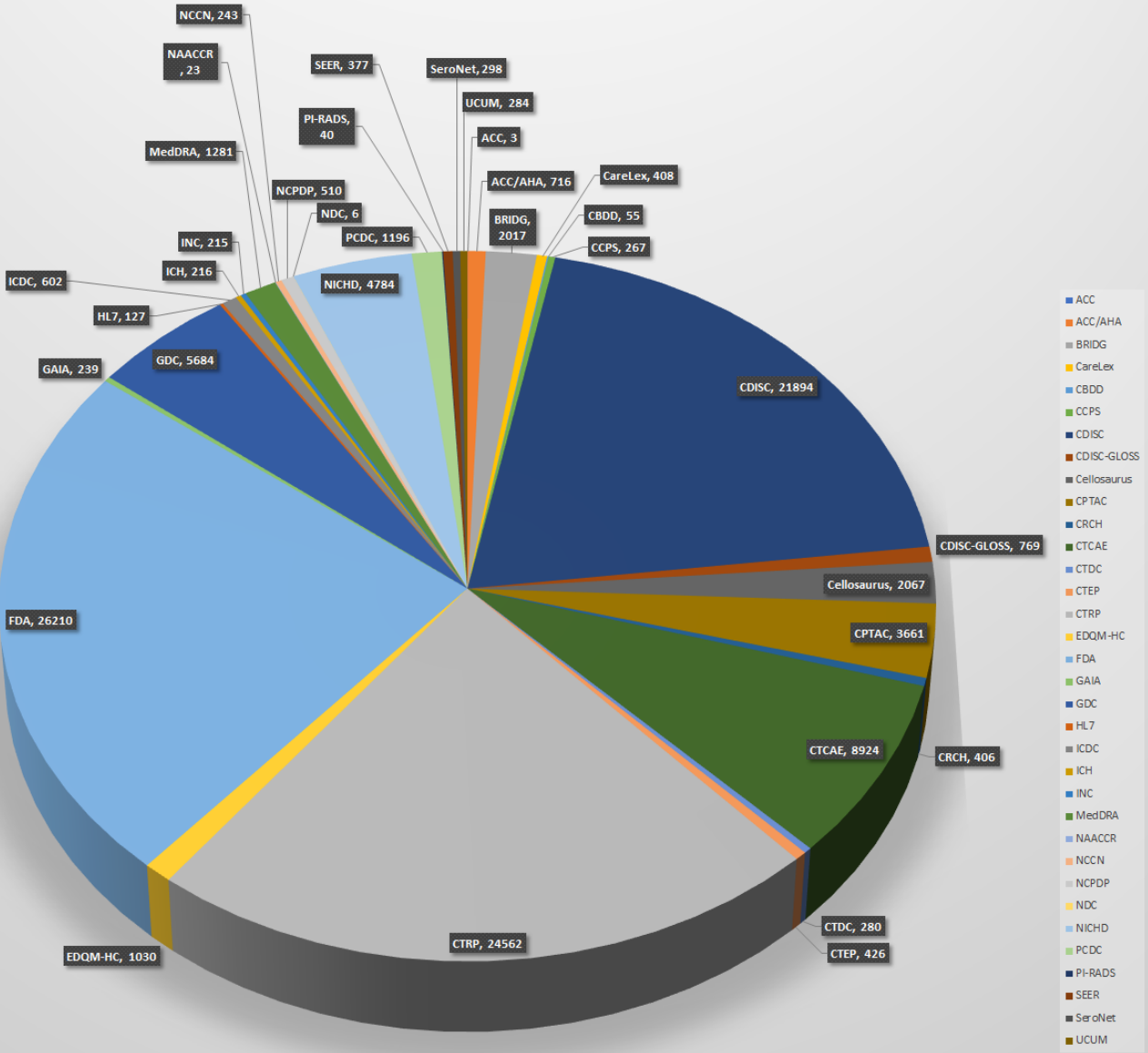
NCI Thesaurus (NCIt)

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 (21.05a: May 2021)

NCIt Concepts from various contributing sources (21.05a May 2021)



NCIt concepts with tagged synonyms from each outside source (21.05a: May 2021)

NCIt Concepts	Source
3	ACC
716	ACC/AHA
2017	BRIDG

408	CareLex
55	CBDD
267	CCPS
21894	CDISC
769	CDISC-GLOSS
2067	Cellosaurus
3661	CPTAC
406	CRCH
8924	CTCAE
280	CTDC
426	CTEP
24562	CTRP
1030	EDQM-HC
26210	FDA
239	GAIA
5684	GDC
127	HL7
602	ICDC
216	ICH
215	INC
1281	MedDRA
23	NAACCR
243	NCCN
510	NCPDP
6	NDC
4784	NICHHD
1196	PCDC
40	PI-RADS
377	SEER
298	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
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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
17254	caDSR	Cancer Data Standards Registry and Repository, 2021_01D
407	CARELEX	Content Archive Resource Exchange Lexicon, 2021_01D
49	CBDD	Chemical Biology and Drug Development Vocabulary, 2021_01D
923	CDC	U.S. Centers for Disease Control and Prevention, 2021_01D
23324	CDISC	Clinical Data Interchange Standards Consortium, 2021_01D
770	CDISC-GLOSS	Clinical Data Interchange Standards Consortium Glossary Terms, 2021_01D
2000	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
23675	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
694	DTP	NCI Developmental Therapeutics Program, 2021_01D
1026	EDQM-HC	European Directorate for the Quality of Medicines & Healthcare, 2021_01D
24499	FDA	U.S. Food and Drug Administration, 2021_01D
207	GAIA	Global Alignment of Immunization Safety Assessment in pregnancy, 2021_01D
5055	GDC	NCI Genomic Data Commons, 2021_01D
281	GENC	Geopolitical Entities, Names, and Codes Standard, 2021_01D
632	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
158661	NCI	National Cancer Institute Thesaurus, 2021_01D
5077	NCI-GLOSS	NCI Dictionary of Cancer Terms, 2021_01D
5158	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

4781	NICHD	National Institute of Child Health and Human Development, 2021_01D
879	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
1437	UCUM	Unified Code for Units of Measure, 2021_01D
25	ZFIN	Zebrafish Model Organism Database, 2021_01D

NCIm concepts	Source Label - Other	Source Name
15881	AOD	Alcohol and Other Drug Thesaurus, 2000
276	AOT	Authorized Osteopathic Thesaurus, 2003
13256	CBO	Clinical Bioinformatics Ontology, 2011_02
280	CCS_10	Clinical Classifications Software for ICD-10-PCS, 2020
537	CCSR_10	Clinical Classifications Software Refined for ICD-10-CM, 2020
3079	COSTAR	COSTAR, 1989-1995
16495	CSP	CRISP Thesaurus, 2006
3844	CST	COSTART, 1995
484	CVX	Vaccines Administered, 2017_02_08, 2020_07_28
8739	DRUGBANK	DrugBank, 5.0_2016_06_22, 5.0_2020_07_30
7289	DXP	DXplain, 1994
102564	FMA	Foundational Model of Anatomy Ontology, 4_15
7498	GARD	Genetic and Rare Diseases Information Center, 2015_04
70907	GO	Gene Ontology, 2020_05_02
7392	HCPCS	Healthcare Common Procedure Coding System, 2020
41990	HGNC	HUGO Gene Nomenclature Committee, 2020_05
9745	HL7V3.0	HL7 Vocabulary Version 3.0, 2019_12
16693	HPO	Human Phenotype Ontology, 2020_06_08
17424	ICD10	ICD10, 2016
103155	ICD10CM	International Classification of Diseases, 10th Edition, Clinical Modification, 2021
190672	ICD10PCS	ICD-10-PCS, 2021
20940	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
161239	LNC	LOINC, 268
41	MCM	McMaster University Epidemiology Terms, 1992
332	MDBCAC	Mitelman Database of Chromosome Aberrations in Cancer, 2005_12
57970	MDR	Medical Dictionary for Regulatory Activities Terminology (MedDRA), 23_1
3375	MED-RT	Medication Reference Terminology, 2020_09_08
2125	MEDLINEPLUS	MedlinePlus Health Topics, 20191029

900	MGED	MGED Ontology, 131
399713	MSH	Medical Subject Headings, 2021_2020_07_16
206928	MTH	UMLS Metathesaurus, 2020AB
8	MTHCMSFRF	Metathesaurus CMS Formulary Reference File, MTHCMSFRF_2014
19016	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
65727	MTHSPL	Metathesaurus FDA Structured Product Labels, 2020_08_28
78	MVX	Manufacturers of Vaccines, 2020_09_04
1907788	NCBI	NCBI Taxonomy, 2020_05_21
7102	NCIMTH	NCIMTH
0	NCISEER	NCI SEER ICD Neoplasm Code Mappings, 1999
1887	NPO	NPO: NanoParticle Ontology for Cancer Nanotechnology Research, 2011_12_08
93898	OMIM	Online Mendelian Inheritance in Man, 2020_07_27
12400	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
45724	RADLEX	RadLex, 4_0
195824	RXNORM	RxNorm Vocabulary, 20AA_200908F
352065	SNOMEDCT_US	US Edition of SNOMED CT, 2020_09_01
169	SOP	Source of Payment Typology, 9
4810	SPN	Standard Product Nomenclature, 2003
210	SRC	Metathesaurus Source Terminology Names
28128	UMD	UMDNS: product category thesaurus, 2020
4808	USP	USP Compendial Nomenclature, 2020_02_06
1605	USPMG	USP Medicare Model Guidelines, 2020
61111	UWDA	University of Washington Digital Anatomist, 1.7.3
35546	VANDF	Veterans Health Administration National Drug File, 2020_08_03

Overall Counts (May 2021)

Concepts	Relationships	Attributes	Total Number of Terms
3,795,128	24,431,718	27,255,262	8,300,055