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

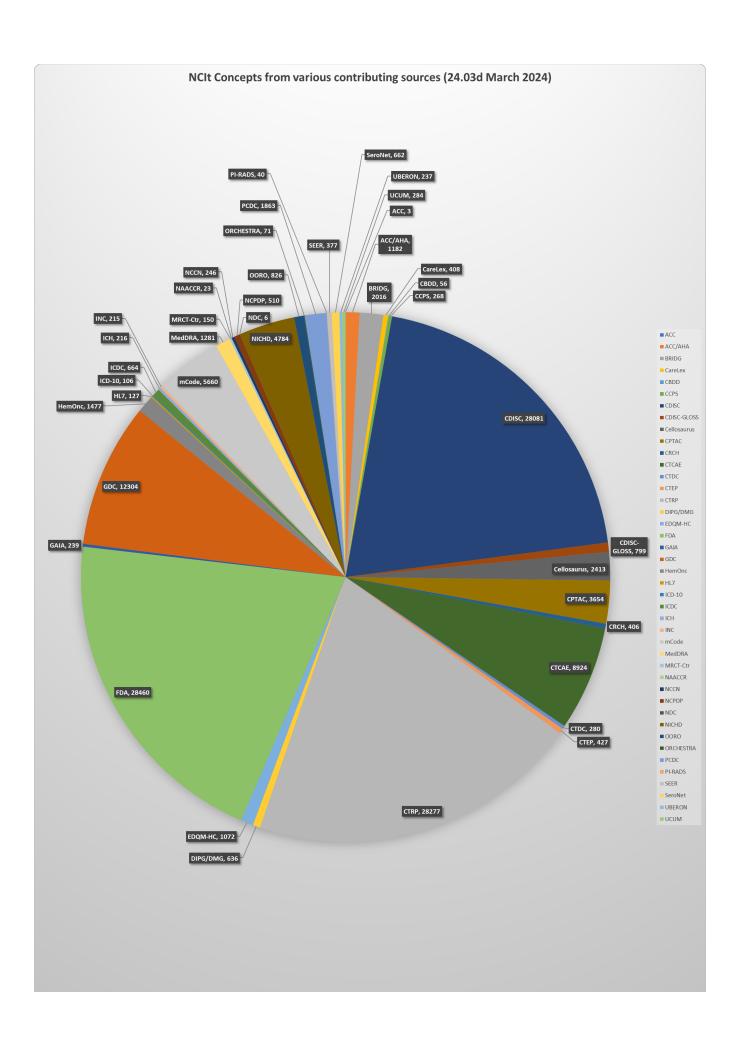
- NCI Thesaurus (NCIt)
- NCI Metathesaurus (NCIm)

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 125,000 out of the 178,080 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 (24.03D: March 2024)



NCIt concepts with tagged synonyms from each outside source (24.03D: March 2024)

NCIt Concepts	Source	
3	ACC	
1182	ACC/AHA	
2016	BRIDG	
408	CareLex	
56	CBDD	
268	CCPS	
28081	CDISC	
799	CDISC-GLOSS	
2413	Cellosaurus	
3654	CPTAC	
406	CRCH	
8924	CTCAE	
280	CTDC	
427	CTEP	
28277	CTRP	
636	DIPG/DMG	
1072	EDQM-HC	
28460	FDA	
239	GAIA	
12304	GDC	
1477	HemOnc	
127	HL7	
106	ICD-10	
664	ICDC	
216	ICH	
215	INC	
5660	mCode	
1281	MedDRA	
150	MRCT-Ctr	
23	NAACCR	
246	NCCN	
510	NCPDP	
6	NDC	
4784	NICHD	

826	OORO	
71	ORCHESTRA	
1863	PCDC	
40	PI-RADS	
377	SEER	
662	SeroNet	
237	UBERON	
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 (202402: February 2024)

NCIm concepts	Source Label - NCIt- derived	Source Name		
1177	ACC-AHA	American College of Cardiology/American Heart Association Clinical Data Terminology, 2023_12D		
334	BioC	BioCarta online maps of molecular pathways, adapted for NCI use, 2023_12D		
27	BRIDG	Biomedical Research Integrated Domain Group Model, 2023_12D		
1148	BRIDG_3_0_3	Biomedical Research Integrated Domain Group Model, 3.0.3, 2023_12D		
1658	BRIDG_5_3	Biomedical Research Integrated Domain Group Model, 5.3, 2023_12D		
19304	caDSR	Cancer Data Standards Registry and Repository, 2023_12D		
407	CARELEX	Content Archive Resource Exchange Lexicon, 2023_12D		
53	CBDD	Chemical Biology and Drug Development Vocabulary, 2023_12D		
265	CCPS	Childhood Cancer Predisposition Study, 2023_12D		
922	CDC	U.S. Centers for Disease Control and Prevention, 2023_12D		
29019	CDISC	Clinical Data Interchange Standards Consortium, 2023_12D		
800	CDISC-GLOSS	Clinical Data Interchange Standards Consortium Glossary Terms, 2023_12D		
2425	CELLOSAURUS	Cellosaurus, 2023_12D		
3680	CPTAC	Clinical Proteomic Tumor Analysis Consortium, 2023_12D		
406	CRCH	Cancer Research Center of Hawaii Nutrition Terminology, 2023_12D		
5599 CTCAE_3 Common Terminology Criteria for Adverse E 4022 CTCAE_5 Common Terminology Criteria for Adverse E 276 CTDC Clinical Trial Data Commons, 2023_12D 372 CTEP-SDC Cancer Therapy Evaluation Program - Simp		Common Terminology Criteria for Adverse Events, 2023_12D		
		Common Terminology Criteria for Adverse Events 3.0, 2023_12D		
		Common Terminology Criteria for Adverse Events 5.0, 2023_12D		
		Clinical Trial Data Commons, 2023_12D		
		Cancer Therapy Evaluation Program - Simple Disease Classification, 2023_12D		
		Clinical Trials Reporting Program, 2023_12D		
904	DCP	NCI Division of Cancer Prevention Program, 2023_12D		

114	DICOM	Digital Imaging Communications in Medicine, 2023_12D		
627	627 DIPG_DMG Diffuse Intrinsic Pontine Glioma/Diffuse Midline Glioma Termino			
694 DTP		NCI Developmental Therapeutics Program, 2023_12D		
1070	EDQM-HC	European Directorate for the Quality of Medicines & Healthcare, 2023_12D		
27355	FDA	U.S. Food and Drug Administration, 2023_12D		
207	GAIA	Global Alignment of Immunization Safety Assessment in pregnancy, 2023_12D		
6030	GDC	NCI Genomic Data Commons, 2023_12D		
281	GENC	Geopolitical Entities, Names, and Codes Standard, 2023_12D		
1439 HemOnc 106 ICD-10		Hematology-Oncology (HemOnc) Chemotherapy Regimen Vocabulary, 2023_12D		
		International Classification of Diseases, 10th Edition, 2023_12D		
693 ICDC NCI Integrated Canine		NCI Integrated Canine Data Commons, 2023_12D		
215 ICH International Conference on Harmonization, 202		International Conference on Harmonization, 2023_12D		
215	INC	International Neonatal Consortium, 2023_12D		
156	JAX	Jackson Laboratories Mouse Terminology, adapted for NCI use, 2023_12D		
244	KEGG	KEGG Pathway Database, 2023_12D		
5660 mCode 183778 NCI		Minimal Common Oncology Data Elements, 2023_12D		
		National Cancer Institute Thesaurus, 2023_12D		
5079	NCI-GLOSS	NCI Dictionary of Cancer Terms, 2023_12D		
5860	NCI-HGNC	NCI HUGO Gene Nomenclature Committee, 2023_12D		
5 NDC National Drug Code, 2023_12D		NCI Health Level 7, 2023_12D		
		ational Council for Prescription Drug Programs, 2023_12D		
		National Drug Code, 2023_12D		
		National Institute of Child Health and Human Development, 2023_12D		
825	OORO	Operational Ontology for Radiation Oncology, 2023_12D		
70 ORCHESTRA ORCHESTRA, 2023_12D		ORCHESTRA, 2023_12D		
1832	PCDC	Pediatric Cancer Data Commons, 2023_12D		
39	PI-RADS	Prostate Imaging Reporting and Data System, 2023_12D		
169	PID	National Cancer Institute Nature Pathway Interaction Database, 2023_12D		
310	RENI	Registry Nomenclature Information System, 2023_12D		
659	SeroNet	Serological Sciences Network Terminology, 2023_12D		
236	UBERON	UBERON Ontology, 2023_12D		
1546	UCUM	Unified Code for Units of Measure, 2023_12D		
77	WHO	World Health Organization (WHO) Terminology, 2023_12D		
25	Zebrafish Model Organism Database, 2023_12D			

NCIm concepts	Source Label - Other	Source Name	
15884 AOD Alcohol and Other Drug Thesaurus, 2000		Alcohol and Other Drug Thesaurus, 2000	
276	AOT	Authorized Osteopathic Thesaurus, 2003	
		Clinical Bioinformatics Ontology, 2011_02	
		Clinical Classifications Software Refined for ICD-10-CM, 2023	

357	CCSR_ICD10PCS	S Clinical Classifications Software Refined for ICD-10-PCS, 2023			
962	CDCREC	Race & Ethnicity - CDC, 1.2			
3080	COSTAR	COSTAR, 1989-1995			
16485	CSP	CRISP Thesaurus, 2006			
3839	CST	COSTART, 1995			
318	CTEP	Cancer Therapy Evaluation Program, 2004			
618	CVX	Vaccines Administered, 2017_02_08, 2023_08_16			
11414	DRUGBANK	DrugBank, 5.0_2023_08_11			
7290	DXP	DXplain, 1994			
102551	FMA	Foundational Model of Anatomy Ontology, 4_15			
7482	GARD	Genetic and Rare Diseases Information Center, 2015_04			
71881	GO	Gene Ontology, 2023_05_10			
8081	HCPCS	Healthcare Common Procedure Coding System, 2023			
43627	HGNC	HUGO Gene Nomenclature Committee, 2023_04			
9078	HL7V3.0	HL7 Vocabulary Version 3.0, 2023_02			
19235	HPO	Human Phenotype Ontology, 2023_07_21			
17416	ICD10	ICD10, 2016			
105376	ICD10CM	International Classification of Diseases, 10th Edition, Clinical Modification, 2024			
191545	ICD10PCS	ICD-10-PCS, 2024			
20886	ICD9CM	International Classification of Diseases, Ninth Revision, Clinical Modification, 2014			
2864	ICDO	International Classification of Disease for Oncology, 3_2			
748	ICPC	International Classification of Primary Care, 1993			
175623 LNC LOINC, 276 41 MCM McMaster University Epidemiology Terms, 19 332 MDBCAC Mitelman Database of Chromosome Aberratic 62093 MDR Medical Dictionary for Regulatory Activities Te		International Organization for Standardization 3166-2, 2012			
		LOINC, 276			
		McMaster University Epidemiology Terms, 1992			
		Mitelman Database of Chromosome Aberrations in Cancer, 2005_12			
		Medical Dictionary for Regulatory Activities Terminology (MedDRA), 26_1			
		Medication Reference Terminology, 2023_09_05			
2123	MEDLINEPLUS	MedlinePlus Health Topics, 20221101			
900	MGED	MGED Ontology, 131			
456461	MSH	Medical Subject Headings, 2024_2023_08_03			
218961	МТН	UMLS Metathesaurus, 2023AB			
11	MTHCMSFRF	Metathesaurus CMS Formulary Reference File, MTHCMSFRF_2020			
19007	MTHICD9	International Classification of Diseases, Ninth Revision, Clinical Modification, Metathesaurus additional er terms, 2014			
1633	MTHMST	Metathesaurus Version of Minimal Standard Terminology Digestive Endoscopy, 2001			
57391	MTHSPL	Metathesaurus FDA Structured Product Labels, 2023_08_24			
88	MVX	Manufacturers of Vaccines, 2023_09_06			
719490	NCBI	NCBI Taxonomy, 2023_04_13			
9532	NCIMTH	NCIMTH			
1887	NPO	NPO: NanoParticle Ontology for Cancer Nanotechnology Research, 2011_12_08			

103963	OMIM	Online Mendelian Inheritance in Man, 2023_08_10	
12399	PDQ	Physician Data Query, 2016_07_31	
2039	PMA	Portfolio Management Application, 2010	
270	PNDS	Perioperative Nursing Data Set, 2021	
940	QMR	Quick Medical Reference (QMR), 1996 RadLex, 4_1	
45826	RADLEX		
217864	RXNORM	RxNorm Vocabulary, 20AA_230905F	
361058	SNOMEDCT_US	US Edition of SNOMED CT, 2023_09_01	
167 SOP		Source of Payment Typology, 9.2	
4811	SPN	Standard Product Nomenclature, 2003	
29104 UMD UMDNS: product category the 5002 USP USP Compendial Nomenclate USP Medicare Model Guidel		Metathesaurus Source Terminology Names	
		UMDNS: product category thesaurus, 2023	
		USP Compendial Nomenclature, 2023_08_17	
		USP Medicare Model Guidelines, 2020	
		University of Washington Digital Anatomist, 1.7.3	
38334	VANDF	Veterans Health Administration National Drug File, 2023_07_31	

Overall Counts (February 2024)

Concepts Relationships		Attributes	Total Number of Terms	
2,684,035	23,500,918	24,395,137	7,098,885	