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.

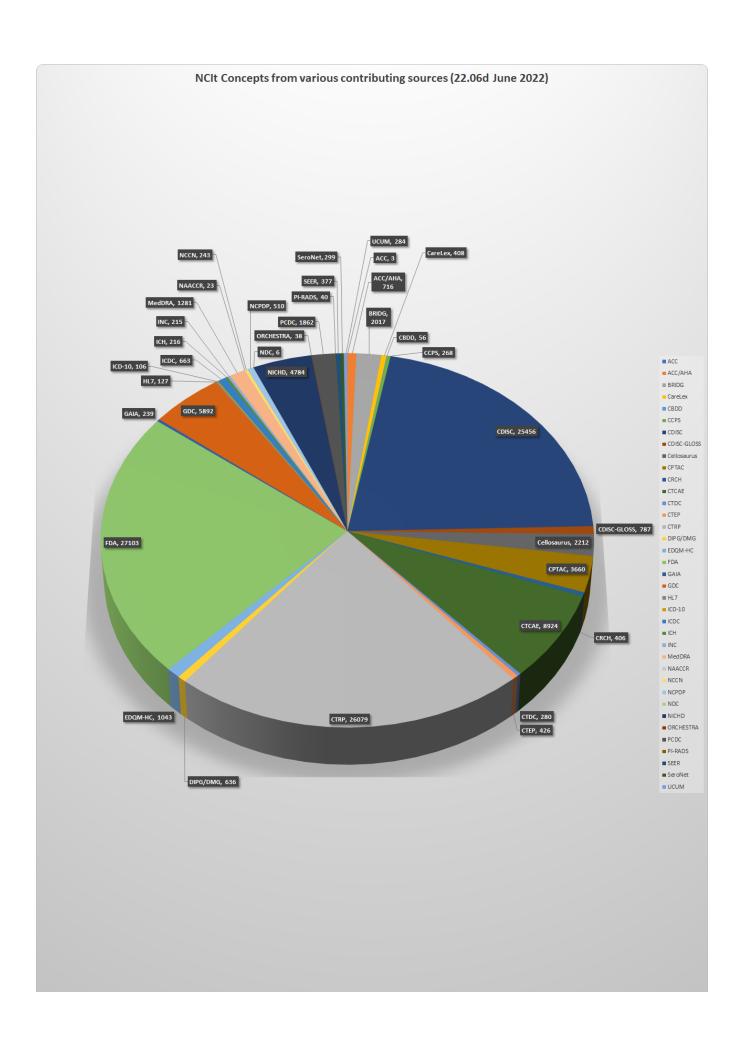
- NCI Thesaurus (NCIt)
- NCI Metathesaurus (NCIm)

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.

NClt concepts with terms from tagged outside sources (22.06d: June 2022)



NCIt concepts with tagged synonyms from each outside source (22.06d: June 2022)

NCIt Concepts	Source	
3	ACC	
716	ACC/AHA	
2017	BRIDG	
408	CareLex	
56	CBDD	
268	CCPS	
25456	CDISC	
787	CDISC-GLOSS	
2212	Cellosaurus	
3660	CPTAC	
406	CRCH	
8924	CTCAE	
280	CTDC	
426	CTEP	
26079	CTRP	
636	DIPG/DMG	
1043	EDQM-HC	
27103	FDA	
239	GAIA	
5892	GDC	
127	HL7	
106	ICD-10	
663	ICDC	
216	ICH	
215	INC	
1281	MedDRA	
23	NAACCR	
243	NCCN	
510	NCPDP	
6	NDC	
4784	NICHD	
38	ORCHESTRA	
1862	PCDC	
40	PI-RADS	
377	SEER	

299	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	СТЕР	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	

GAIA	Global Alignment of Immunization Safety Assessment in pregnancy, 2021_01D	
GDC	NCI Genomic Data Commons, 2021_01D	
GENC	Geopolitical Entities, Names, and Codes Standard, 2021_01D	
ICD-10	International Classification of Diseases, 10th Edition, 2022_01E	
ICDC	NCI Integrated Canine Data Commons, 2021_01D	
ICH	International Conference on Harmonization, 2021_01D	
INC	International Neonatal Consortium, 2021_01D	
JAX	Jackson Laboratories Mouse Terminology, adapted for NCI use, 2021_01D	
KEGG	KEGG Pathway Database, 2021_01D	
NCI	National Cancer Institute Thesaurus, 2021_01D	
NCI-GLOSS	NCI Dictionary of Cancer Terms, 2021_01D	
NCI-HGNC	NCI HUGO Gene Nomenclature Committee, 2021_01D	
NCI-HL7	NCI Health Level 7, 2021_01D	
NCPDP	National Council for Prescription Drug Programs, 2021_01D	
NDC	National Drug Code, 2021_01D	
NICHD	National Institute of Child Health and Human Development, 2021_01D	
PCDC	Pediatric Cancer Data Commons, 2021_01D	
PI-RADS	Prostate Imaging Reporting and Data System, 2021_01D	
PID	National Cancer Institute Nature Pathway Interaction Database, 2021_01D	
RENI	Registry Nomenclature Information System, 2021_01D	
SeroNet	Serological Sciences Network Terminology, 2022_01E	
UCUM	Unified Code for Units of Measure, 2021_01D	
WHO	World Health Organization (WHO) Terminology, 2022_01E	
ZFIN	Zebrafish Model Organism Database, 2021_01D	
	GDC GENC ICD-10 ICDC ICH INC JAX KEGG NCI NCI-GLOSS NCI-HGNC NCI-HL7 NCPDP NDC NICHD PCDC PI-RADS PID RENI SeroNet UCUM WHO	

NCIm concepts	Source Label - Other	Source Name	
15882	AOD	Alcohol and Other Drug Thesaurus, 2000	
276	AOT	Authorized Osteopathic Thesaurus, 2003	
13257	СВО	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	Genetic and Rare Diseases Information Center, 2015_04		
7591	HCPCS	Gene Ontology, 2020_05_02 Healthcare Common Procedure Coding System, 2020		
42505	HGNC			
9061	HL7V3.0	HUGO Gene Nomenclature Committee, 2020_05		
		HL7 Vocabulary Version 3.0, 2019_12		
17747	HPO ICD40	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		
	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