

Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

NCI Thesaurus

RRID:SCR_003563

Type: Tool

Proper Citation

NCI Thesaurus (RRID:SCR_003563)

Resource Information

URL: <http://ncit.nci.nih.gov/>

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Description: A reference terminology and core biomedical ontology for NCI that covers approximately 100,000 key biomedical concepts with terms, codes, definitions, and more than 200,000 inter-concept relationships. It is the reference terminology for NCI, NCI Metathesaurus and NCI informatics infrastructure covering vocabulary for clinical care, translational and basic research, and public information and administrative activities. It includes broad coverage of the cancer domain, including cancer related diseases, findings and abnormalities; anatomy; agents, drugs and chemicals; genes and gene products and so on. In certain areas, like cancer diseases and combination chemotherapies, it provides the most granular and consistent terminology available. It combines terminology from numerous cancer research related domains, and provides a way to integrate or link these kinds of information together through semantic relationships. NCIt features: * Stable, unique codes for biomedical concepts; * Preferred terms, synonyms, definitions, research codes, external source codes, and other information; * Links to NCI Metathesaurus and other information sources; * Over 200,000 cross-links between concepts, providing formal logic-based definition of many concepts; * Extensive content integrated from NCI and other partners, much available as separate NCIt subsets * Updated frequently by a team of subject matter experts. NCIt is a widely recognized standard for biomedical coding and reference, used by a broad variety of public and private partners both nationally and internationally including the Clinical Data Interchange Standards Consortium Terminology (CDISC), the U.S. Food and Drug Administration (FDA), the Federal Medication Terminologies (FMT), and the National Council for Prescription Drug Programs (NCPDP).

Abbreviations: NCIt

Synonyms: ncithesaurus

Resource Type: controlled vocabulary, data or information resource, ontology

Keywords: thesaurus, clinical, treatment, prevention, biomedical, owl, health, drug, chemotherapy

Related Condition: Cancer

Availability: See license,
http://evs.nci.nih.gov/ftp1/NCI_Thesaurus/NCI_THESAURUS_license.txt

Resource Name: NCI Thesaurus

Resource ID: SCR_003563

Alternate IDs: nlx_157698

Alternate URLs: <ftp://ftp1.nci.nih.gov/pub/cacore/EVS/>,
<https://cabig.nci.nih.gov/concepts/EVS/>,
<https://wiki.nci.nih.gov/display/EVS/NCI+Thesaurus+%28NCIt%29>,
<http://ncitterms.nci.nih.gov>, <http://purl.bioontology.org/ontology/NCIT>

Old URLs: <http://ncicb.nci.nih.gov/core/EVS>

Record Creation Time: 20220129T080219+0000

Record Last Update: 20260912T195600+0000

Ratings and Alerts

No rating or validation information has been found for NCI Thesaurus.

No alerts have been found for NCI Thesaurus.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Dumschott K, et al. (2023) Ontologies for increasing the FAIRness of plant research data. *Frontiers in plant science*, 14, 1279694.

Zhang H, et al. (2023) Clinical Trials in Hypertrophic Cardiomyopathy Therapy: A Comprehensive Analysis of Trials Registered in Global Clinical Databases. *Drug design, development and therapy*, 17, 1863.

Abugessaisa I, et al. (2021) FANTOM enters 20th year: expansion of transcriptomic atlases and functional annotation of non-coding RNAs. *Nucleic acids research*, 49(D1), D892.

Danos AM, et al. (2019) Standard operating procedure for curation and clinical interpretation of variants in cancer. *Genome medicine*, 11(1), 76.

Soysal E, et al. (2017) CATTLE (CAncer treatment treasury with linked evidence): An integrated knowledge base for personalized oncology research and practice. *CPT: pharmacometrics & systems pharmacology*, 6(3), 188.

Jouhet V, et al. (2017) Building a model for disease classification integration in oncology, an approach based on the national cancer institute thesaurus. *Journal of biomedical semantics*, 8(1), 6.

Ben Abacha A, et al. (2016) Towards natural language question generation for the validation of ontologies and mappings. *Journal of biomedical semantics*, 7(1), 48.

Scholtalbers J, et al. (2015) TCLP: an online cancer cell line catalogue integrating HLA type, predicted neo-epitopes, virus and gene expression. *Genome medicine*, 7, 118.

Morris SA, et al. (2015) Experiences in supporting the structured collection of cancer nanotechnology data using caNanoLab. *Beilstein journal of nanotechnology*, 6, 1580.

Pi??ero J, et al. (2015) DisGeNET: a discovery platform for the dynamical exploration of human diseases and their genes. *Database : the journal of biological databases and curation*, 2015, bav028.