Resource Summary Report

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RxNorm

RRID:SCR_006645
Type: Tool

Proper Citation

RxNorm (RRID:SCR_006645)

Resource Information

URL: http://www.nlm.nih.gov/research/umls/rxnorm/

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Description: Ontology that provides a normalized naming system for generic and branded drugs and a tool for supporting semantic interoperation between drug terminologies and pharmacy knowledge base systems. It contains the names of prescription and many over-the-counter drugs available in the United States and links its names to many of the drug vocabularies commonly used in pharmacy management and drug interaction software. It can mediate messages between systems not using the same software and vocabulary. * RxNorm Download Files - contain data consistent with the 2013AB UMLS Metathesaurus Release Files. * RxNorm API - web service for accessing the current RxNorm data set. * RxNorm Browser (RxNav) - a browser for several drug information sources, including RxNorm, RxTerms and National Drug File - Reference Terminology (NDF-RT) . * Current Prescribable Content - subset of currently prescribable drugs found in RxNorm. * RxTerms Drug Interface Terminology - a drug interface terminology derived from RxNorm for prescription writing or medication history recording

Abbreviations: RxNorm

Synonyms: Rx Norm

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

Defining Citation: PMID:22426081

Keywords: umls, drug, pharmacy, clinical, drug pack, medicine, unique identifier, prescribable drug, web service, metathesaurus, generic drug, branded drug, data set, web service, database

Availability: Account required, (UMLS Terminology Services (UTS))

Resource Name: RxNorm

Resource ID: SCR_006645

Alternate IDs: nif-0000-02575

Record Creation Time: 20220129T080237+0000

Record Last Update: 20260803T040441+0000

Ratings and Alerts

No rating or validation information has been found for RxNorm.

No alerts have been found for RxNorm.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 612 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Finster M, et al. (2025) ETL: From the German Health Data Lab data formats to the OMOP Common Data Model. PloS one, 20(1), e0311511.

Owsley C, et al. (2025) Cross-sectional design and protocol for Artificial Intelligence Ready and Equitable Atlas for Diabetes Insights (AI-READI). BMJ open, 15(2), e097449.

Gallagher TJ, et al. (2025) Demographic Disparities in Diagnosis and Treatment of Anxiety and Depressive Disorders in Head and Neck Cancer Survivors. Head & neck, 47(7), 1885.

Wang SJ, et al. (2025) Lenvatinib plus pembrolizumab compared to carboplatin plus paclitaxel for carboplatin and paclitaxel pretreated, recurrent, or advanced endometrial cancer. BMC medicine, 23(1), 160.

Moussa R, et al. (2025) Impact of sulfonamide allergy label on clinical outcomes of acute cystitis: a retrospective matched cohort study. Internal medicine journal, 55(6), 993.

Feng Y, et al. (2025) Human herpesvirus-associated transposable element activation in human aging brains with Alzheimer's disease. Alzheimer's & dementia : the journal of the Alzheimer's Association, 21(2), e14595.

Kuo CC, et al. (2025) Semaglutide versus other GLP-1 receptor agonists in patients with MASLD. Hepatology communications, 9(7).

Chang EW, et al. (2025) Association between SGLT-2 inhibitors and suicide risk in type 2 diabetes and bipolar: a real-world cohort study. Frontiers in pharmacology, 16, 1601118.

Huang M, et al. (2025) Hepatitis B virus promotes liver cancer by modulating the immune response to environmental carcinogens. Nature communications, 16(1), 5360.

Lee KH, et al. (2025) Large Language Models for Automating Clinical Trial Criteria Conversion to Observational Medical Outcomes Partnership Common Data Model Queries: Validation and Evaluation Study. JMIR medical informatics, 13, e71252.

Koi A, et al. (2025) Evaluating the Role of Basiliximab Induction in Simultaneous Liver-Kidney Transplantation: A Multicenter Propensity-Score-Matched Analysis. Antibodies (Basel, Switzerland), 14(4).

Mills MT, et al. (2025) Sex-Based Differences in Symptomatology in the First Month Following Atrial Fibrillation Catheter Ablation. Journal of cardiovascular electrophysiology, 36(9), 2271.

Tang L, et al. (2025) An investigation of drug-induced mental disorders in the children and adolescents population utilizing the FDA adverse event reporting system. Scientific reports, 15(1), 21295.

Beran A, et al. (2025) Risk of Post-polypectomy Bleeding After Colorectal Endoscopic Mucosal Resection in Patients with Chronic Kidney Disease: A Propensity-Matched Analysis of the US Collaborative Network. Digestive diseases and sciences, 70(9), 3102.

Botnar K, et al. (2025) EHRchitect: An open-source software tool for medical event sequences data extraction from Electronic Health Records. Journal of clinical and translational science, 9(1), e79.

Jeong E, et al. (2025) Association of Omeprazole-Related Myopathy With Drug-Drug and Drug-Gene Interactions Involving CYP2C19 and CYP3A4: A Nested Case-Control Study. Pharmacotherapy, 45(10), 654.

Shi Y, et al. (2025) Potential Drug Dose-Specific Adverse Three-Drug Combinations: A US Insurance Claims Data-Based Study. Pharmacoepidemiology and drug safety, 34(9), e70199.

Sayeed R, et al. (2025) A standards-based approach to digital health research: implementing the people heart study. Journal of the American Medical Informatics Association : JAMIA, 32(12), 1811.

Dolin RH, et al. (2025) Genetic data normalization for genomic medicine: a Fast Healthcare Interoperability Resources Genomics reference implementation. Journal of the American Medical Informatics Association : JAMIA, 32(10), 1598.

Sarrat-Gonz??lez D, et al. (2025) dsOMOP: bridging OMOP CDM and DataSHIELD for secure federated analysis of standardized clinical data. Bioinformatics (Oxford, England), 41(6).