

# WEB RESOURCES FOR PHARMACY PROFESSIONALS

## TOXNET®

Databases on toxicology, hazardous chemicals, environmental health, and toxic releases.

<https://www.toxnet.nlm.nih.gov>

### Select TOXNET databases of interest to pharmacists

**ChemIDplus®** Online dictionary of chemical substances cited in NLM databases and other Internet resources. Advanced version includes chemical structure, toxicity, and physical property searching.

**Hazardous Substances Data Bank (HSDB®)** Comprehensive, peer-reviewed toxicology and environmental data for chemicals, including specific information on drugs and supplements.

**Developmental and Reproductive Toxicology (DART®)** Bibliographic database with references to teratology and developmental and reproductive toxicology literature.

**LactMed® (Drugs and Lactation Database)** Database of prescription and nonprescription drugs, herbals, dietary supplements, and other chemicals to which breastfeeding mothers may be exposed and the effects of those agents on nursing infants and lactation.

**TOXLINE®** Bibliographic database of toxicological references.

## AIDSinfo®

Information about U.S. Food and Drug Administration (FDA) approved and investigational HIV/AIDS related drugs.

<https://www.aidsinfo.nih.gov>

<https://www.infosida.nih.gov> [Spanish]

## ClinicalTrials.gov

Searchable database providing information about ongoing clinical research studies and drugs and treatments.

<https://clinicaltrials.gov>

## Chemical Hazards Emergency Medical Management (CHEMM)

Online resource enabling first responders and other health care providers and planners to plan for, respond to, recover from, and mitigate the effects of mass-casualty incidents involving accidental or terrorist chemical releases.

CHEMM is downloadable so it can be used if the Internet is not available.

<https://chemm.nlm.nih.gov>

## LiverTox®

Comprehensive clinical, diagnostic and research information and a case registry on liver injury attributable to about 1,000 prescription and nonprescription drugs, herbals, and dietary supplements.

<http://www.livertox.nih.gov>

## Drug Information Portal

Portal to current drug information from NLM and other Federal agencies. Resources cover the time drugs are in clinical trials, through their FDA approval process, and then on to the marketplace. Coverage includes drug names and their synonyms, drugs with official generic name status such as USAN (United States Adopted Name) or INN (International Nonproprietary Name).

<http://druginfo.nlm.nih.gov>



## ChemSpell

Web Service Application Programming Interface (API) providing chemical name spell checking and chemical name synonym look up. Contains more than 1.3 million chemical names related to organic, inorganic, pharmaceutical, toxicological, and environmental health topics.

<http://chemspell.nlm.nih.gov>

## DailyMed®

The official provider of FDA labeling information found in medication package inserts in a standard format for currently marketed drugs.

<https://dailymed.nlm.nih.gov>

## Dietary Supplement Label Database

Collaborative project between the Office of Dietary Supplements (ODS) at NIH and NLM, containing full label contents from U.S. marketed dietary supplements and providing search features important for researchers.

<http://www.dsld.nlm.nih.gov>

## MedlinePlus®

Includes consumer information on prescription drugs, over-the-counter drugs, herbals, and supplements.

<https://medlineplus.gov>

<https://medlineplus.gov/spanish>

## Pillbox

Enables rapid identification of unknown solid-dosage medication based on physical characteristics and high quality images.

<https://pillbox.nlm.nih.gov>

## PubChem®

Information on the biological activities of small molecules. PubChem includes substance information, compound structures, and BioActivity data in three primary databases: PubChem Substance, PubChem Compound, and PubChem BioAssay.

<https://pubchem.ncbi.nlm.nih.gov>

## PubMed®/MEDLINE®

More than 26 million citations from biomedical literature, life science journals, and online books.

<https://pubmed.gov>

## PubMed Health

Online reviews of clinical effectiveness research, with reviews, summaries and full technical reports for more than 700 drugs.

<http://ncbi.nlm.nih.gov/pubmedhealth>

## RxNorm

A normalized drug naming system that supports computerized, semantic interoperability between drug terminologies and pharmacy knowledge base systems.

<https://www.nlm.nih.gov/research/umls/rxnorm/index.html>

## Enviro-Health Links-Dietary Supplements

Selected links to information on chemicals, drugs, and special populations.

**Dietary Supplements** Links to Internet resources on various aspects of dietary supplements.

<https://sis.nlm.nih.gov/enviro/dietarysupplements.html>

### Developing and Using Medicines for Children

Links to information about pediatric drug development clinical trials and existing laws and regulations.

[sis.nlm.nih.gov/enviro/childrensdrugs.html](http://sis.nlm.nih.gov/enviro/childrensdrugs.html)

## FDA Substance Registration System (SRS)

Search for unique ingredient identifiers (UNII) for substances in drugs, biologics, devices, and foods.

<http://fdasis.nlm.nih.gov/srs/srs.jsp>

## Additional Resources

### Learn to Use TOXNET

Information about TOXNET training classes and manual can be found at:

[sis.nlm.nih.gov/enviro/manuals.html](http://sis.nlm.nih.gov/enviro/manuals.html)

### Mobile Tools and Services

#### NLM Resources with Apps and Mobile Sites

<https://www.nlm.nih.gov/mobile/>

- AIDSinfo
- CHEMM
- DailyMed
- Drug Information Portal
- HIV/AIDS Drug Database
- LactMed
- MedlinePlus
- MedlinePlus en español
- PubMed
- PubMed for Handhelds
- Pillbox
- TOXNET

#### NLM Resources with Application Programming Interfaces (APIs)

<https://www.nlm.nih.gov/api>

- AIDSinfo
- ChemSpell
- ClinicalTrials.gov
- Computational Photography Project for Pill Identification (C3PI)
- DailyMed
- MedlinePlus Connect
- MedlinePlus Health Topics
- National Drug File
- Pillbox
- PubChem
- RxMix
- RxNorm
- RxTerms
- TOXNET



## Stay Connected

### Email Updates

Receive alerts by e-mail on updates to NLM environmental health and toxicology resources, services, and programs.

<http://service.govdelivery.com/accounts/USNLMTEH/subscriber/new>

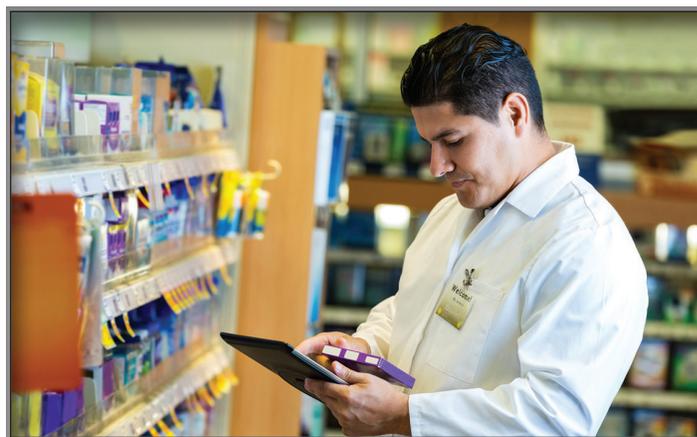
### News updates from the NLM Division of Specialized Information Services

<http://sis.nlm.nih.gov/news.html>

### Twitter

Follow Twitter to receive the latest information on NLM environmental health and toxicology resources.

[https://twitter.com/NLM\\_SIS](https://twitter.com/NLM_SIS)



**NIH** U.S. National Library of Medicine

## National Library of Medicine

8600 Rockville Pike

Bethesda, MD 20894

1.888.Find.NLM (346.3656)

Email: [custserv@nlm.nih.gov](mailto:custserv@nlm.nih.gov)

<https://www.nlm.nih.gov>

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