Web Resources for Pharmacy Professionals

TOXNET®
toxnet.nlm.nih.gov
Databases on toxicology, hazardous chemicals, environmental health, and toxic releases.

Select TOXNET databases of interest to pharmacists

ChemIDplus® Online dictionary of chemical substances cited in NLM databases and other Internet resources

ChemIDplus Advanced Includes chemical structure, toxicity, and physical property searching

Chemical Carcinogenesis Research Information System (CCRIS) Scientifically evaluated database of chemicals with carcinogenicity, mutagenicity, tumor promotion, and tumor inhibition test results

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, developmental and reproductive toxicology literature

LactMed (Drugs and Lactation Database) Database of drugs and other chemicals to which breast feeding mothers may be exposed, and the effects of those agents on nursing infants and lactation

TOXLINE® Bibliographic database of toxicological references

AIDSinfo® Information about Food and Drug Administration (FDA) approved and investigational HIV and AIDS related drugs.
aidsinfo.nih.gov
infosida.nih.gov

ClinicalTrials.gov Searchable database providing information about current ongoing clinical research studies on drugs and treatments.
clinicaltrials.gov

Chemical Hazards Emergency Medical Management (CHEMM) Web-based resource that enables first responders and other healthcare 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 in advance so that it is available if the Internet is not accessible.
chemm.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.
chemspell.nlm.nih.gov

DailyMed® Information about marketed drugs with FDA labeling (package inserts) and links to other key information resources.
dailymed.nlm.nih.gov/dailymed/about.cfm

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.
www.dslrd.nlm.nih.gov

Drug Information Portal Portal to current drug information from NLM and other Federal agencies. Information on drugs from the time that they are in clinical trials, through their FDA approval process, and then on to the marketplace. Coverage includes drugs with official generic name status such as USAN (United States Adopted Name) or INN (International Nonproprietary Name). Hyperlinks to additional resources are provided for each drug.
druginfo.nlm.nih.gov

Enviro-Health Links-Dietary Supplements Links to Internet resources on various aspects of dietary supplements.
sis.nlm.nih.gov/enviro/dietarysupplements.html

LiverTox Comprehensive clinical and research information and a case registry on liver injury attributable to about 1,000 drugs, herbals and dietary supplements.
livetox.nih.gov

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**MedlinePlus**
Includes consumer health information including prescription and over-the-counter drugs, and herbals and supplements.
medlineplus.gov
medlineplus.gov/spanish

**MyMedicationList (beta)**
Helps users manage medication lists and make their records readily available when needed.
mml.nlm.nih.gov

**Pillbox (beta)**
Enables rapid identification of unknown solid-dosage medication based on physical characteristics and high quality images.
pillbox.nlm.nih.gov

**PubChem**
pubchem.ncbi.nlm.nih.gov

**PubMed/MEDLINE**
More than 22 million citations from biomedical literature, life science journals, and online books.
pubmed.gov

**RxNorm**
A normalized drug naming system that supports computerized, semantic interoperation between drug terminologies and pharmacy knowledge base systems.
nlm.nih.gov/research/umls/rxnorm/index.html

**Additional Resources**

**TOXNET and Beyond: Using the National Library of Medicine’s Environmental Health and Toxicology Portal**
The NLM National Network of Libraries offers a one-day TOXNET training course. The training schedule and other details are available from the National Training Center.
nnlm.gov/ntc
A companion workbook to the course can be downloaded from the NLM Web site.
sis.nlm.nih.gov/enviro/manuals.html

**Mobile Tools and Services**

**NLM Resources with Apps and Mobile Sites**
nlm.nih.gov/mobile
- AIDSinfo
- DailyMed
- Drug Information Portal
- LactMed
- MedlinePlus

**NLM Resources with Application Programming Interfaces (APIs)**
nlm.nih.gov/api
- AIDSinfo
- ChemSpell
- ClinicalTrials.gov
- DailyMed
- MedlinePlus Connect
- MedlinePlus Health Topics
- National Drug File
- Pillbox (beta)
- PubChem
- RxNorm
- RxTerms
- TOXNET

**Staying Connected**

**News updates from the NLM Division of Specialized Information Services**
sis.nlm.nih.gov/news.html

**NLM-Tox-Enviro-Health-L Listserv**
Receive alerts by e-mail on updates to NLM environmental health and toxicology resources, services, and programs.
sis.nlm.nih.gov/enviro/envirolistserv.html

**RSS Feed**
Receive frequently updated information from the NLM Division of Specialized Information Services.
sis.nlm.nih.gov/rss/sisnewsfeed.rss

**Twitter**
Follow Twitter to receive the latest information on NLM environmental health and toxicology resources.
twitter.com/NLM_SIS