

PHARMACOLOGY RESOURCES

This handout lists both **electronic** and **print** resources that you can use to complete your drug evaluation project. It highlights resources that you can consult for the most **current** information about the drug that you are evaluating.

Electronic Resources

The electronic resources listed below contain information about some or all of the following drug topics: identification, images, properties, actions, pharmacokinetics, therapeutic uses, side effects, toxicities, drug interactions, costs and comparisons.

Resource	Location	Notes
MICROMEDEX	CD-ROM accessible from Himmelfarb Library's 3 rd Floor computer labs; Micromedex icon on computer desktop.	Single interface to search 12+ databases including package insert, evaluations, toxicology, comparisons, and interactions.
Clinical Textbooks (STAT!Ref)	Himmelfarb library homepage (http://www.gwumc.edu/library), Databases/MEDLINE	Full-text <u>The Medical Letter</u> , <u>USP DI for Health Professionals</u> , <u>USP DI Advice for the Patient</u>
MDCConsult	http://www.mdconsult.com Registration at library required.	Full-text drug database, reference books, practice guidelines, and patient education brochures.
MEDLINE	Himmelfarb library homepage (http://www.gwumc.edu/library), Databases/MEDLINE	Index to articles in biomedical literature. Some full-text available.
Clinical Pharmacology (GSM)	http://www.gsm.com Registration required.	Drug description, molecular structure, mechanism of action, and pharmacokinetics.

Please Note! You will be able to find extensive information for the drug evaluation project from the electronic resources listed above, however, you should also consult some of the print sources listed below to ensure that you have researched your drug thoroughly.

Print Resources

For trade and generic **drug names**, and other **drug identity** information:

Resource	Location	Notes
<i>USP Dictionary of USAN and International Drug Names</i>	Ref 11 RS55.U54	Excellent reference source for drug nomenclature, codes, and CAS numbers.
<i>American Drug Index</i>	Ref 11 RS355.A48	Correlates generic names with brand names for drug identification.
<i>European Drug Index</i>	Ref 11 RS51.E89	Lists trade names, dosage forms, strength, volume, and country of origin.
Index Nominum	Electronic resource	Via MICROMEDEX International directory of drugs, synonyms, chemical formulae, and therapeutic classes

For information on **pharmaceutical standards** (identity, strength, purity, and quality) and/or **chemical properties** of a drug:

Resource	Location	Notes
<i>The U.S. Pharmacopeia/National Formulary</i>	Ref 11 RS141.2.U58	Official U.S. compendium of drug standards and chemical properties.
<i>The Merck Index: An Encyclopedia of Chemicals, Drugs, and Biologicals</i>	Ref 1 RS51.M4	Encyclopedia of chemical names, molecular weight and formula, and physical data..

For **images** of drugs:

Resource	Location	Notes
<i>Mosby's genRx</i>	Ref 11 RS55.2.P48	Images of drugs listed by generic name. Also available via Clinical Textbooks (STAT!Ref) and MDConsult
<i>Drug Facts and Comparisons</i>	Ref 11 RM300.F33	Photos of drugs arranged by color, size, and shape, <i>for identifying unknown drugs.</i>

For information on **properties, actions, pharmacokinetics, and therapeutic uses** for a drug:

Resource	Location	Notes
<i>Martindale: The Complete Drug Reference</i>	Ref 11 RS141.3.M44	Concise summaries of properties, uses, and therapeutic actions of drugs.
<i>Mosby's GenRx</i>	Ref 11 RS55.2.P48	Chemical description, pharmacology, interactions, and overdose. Also available via Clinical Textbooks (STAT!Ref) and MDConsult
<i>Goodman and Gilman's The Pharmacological Basis of Therapeutics</i>	Ref 11 RM101.G63	General text on pharmacology; use index to locate pharmacokinetics of drugs.

For information about **side effects, toxicities, and drug interactions** :

Resource	Location	Notes
<i>Physician's Guide to Drug Eruptions</i>	Ref 11 RM302.5.L77	Adverse cutaneous side effects of drugs and potential serious drug interactions.
<i>Davies' Textbook of Adverse Drug Reactions</i>	Ref 11 RA1238.T49	Organized by clinical side effect; use index to search by drug.
<i>Side Effects of Drugs Annual</i>	Ref 11 RM 302.5.S53	Annual update that describes drug side effects; use index to search by drug.
<i>Drug Interactions : a Source Book of Adverse Interactions, Their Mechanisms, Clinical Importance and Management.</i>	Ref 11 RM302.5.S76	Clinical evidence, mechanism, importance and management of drug interactions.
<i>Evaluations of Drug Interactions</i>	Ref 11 RM302.E84	Updated bimonthly, describes interactions between specific drugs (Drug A-Drug B).
<i>Drugs in Pregnancy and Lactation</i>	Ref 11 RG627.6.D79 D79	Describes pharmacologic class, risk factor, fetal risk summary, and breast feeding summary.
<i>Drugs and Human Lactation</i>	Ref 12 RJ216.D69	Data on drugs including relative dose in milk, data on infant, & recommendations.

For **drug comparisons** :

Resource	Location	Notes
<i>Drug Facts and Comparisons</i>	Ref 11 RM300.F33	Drugs are listed by their actions to facilitate comparisons.
<i>AHFS - American Hospital Formulary Service Drug Information</i>	Ref 11 RS141.2.A56	Comparative and evaluative info arranged by pharmacologic-therapeutic class.

For **drug cost comparisons** :

Resource	Location	Notes
<i>Drug Topics Red Book</i>	Ref 11 HD9666.4.D79	Provides packaging, price and product information.
<i>Drug Facts and Comparisons</i>	Ref 11 RM300.F33	Facilitates cost comparisons of equivalent drugs.
<i>Medical Letter</i>	STACKS	Via Clinical Textbooks (STAT!Ref) Electronic resource that provides tables comparing drug costs by indication.

Current Information about Drugs

To find out the **latest information** about a drug, consult electronic resources...

Resource	Location	Notes
MEDLINE	Himmelfarb library homepage (http://www.gwumc.edu/library), Databases/MEDLINE	The best source for up-to-date articles about drugs.
Medical Letter	Clinical Textbooks (STAT!Ref) from Himmelfarb library homepage (http://www.gwumc.edu/library), Databases/MEDLINE	Published every two weeks, it provides impartial, evaluative reviews of new drugs.
DrugInfoNet	http://www.druginfonet.com	Includes links to news on new drugs, as well as information on recalls, and corrections.
FDA	http://www.fda.gov	Provides information on drug approvals, recalls, etc.
CenterWatch	http://www.centerwatch.com	Provides listings of newly approved drug therapies by year and drugs in clinical research.
PharmInfoNet	http://www.pharminfo.com	Includes press releases from the pharmaceutical industry about their products.

...and consult print resources:

Resource	Location	Notes
<i>Modell's Drugs in Current Use and New Drugs</i>	Ref 11 RS 79.D7	Provides up-to-date information on new drugs and drugs in current use.

Patient Education Resources

Resource	Location
MDCConsult	http://www.mdconsult.com
MEDLINEPlus (USP DI, Vol 2: Advice for the Patient)	http://www.medlineplus.gov
DrugInfoNet	http://druginfonet.com
PharmInfoNet	http://www.pharminfo.com
U.S. Pharmacopeia	http://www.usp.org
<i>The Complete Drug Reference: United States Pharmacopeia</i>	Ref 11 RM300.C736
USP DI, Vol 2: Advice for the Patient	Ref 11 RM 300.U8