

Pharmacology Resources

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Objectives

At the end of this lecture you will be able to:

- Understand the capabilities of each resource
- Obtain a working knowledge of the PDA versions of the databases
- Apply these PDA applications to your work setting

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Agenda

- Database Descriptions
- Overview of PDA Applications
- PDA Resources Demonstration and Practice

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At a Glance

- ABX Guide: a "decision support tool" intended to provide clinicians with concise, digested, timely information about the diagnosis and treatment of infectious diseases
- ePocrates: provides clinical tables, guidelines, pricing, and pill pictures
- Micromedex: gives details on drug/dosing information, patient education, and drug interactions
- Lexi-Comp: Line of handheld products including drug information, drug interaction checker, patient education, herbal information, and diagnostic information

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The Digital Peripheral Brain

<ul style="list-style-type: none"> • Personal Information Management • Compendia • Calculators and Converters • Documentation and Tracking 	<ul style="list-style-type: none"> • Practice Guidelines • Patient Oriented • Utilities and Document Management • Classification and Coding • Appraisal
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Drug References

<ul style="list-style-type: none"> • A to Z Drug Facts • AHFS Drug Information • AltMeds • AntibioticaPalm • Cancer Chemotherapeutics • Clinical Pharmacology • Dr. Drugs • ePocrates Rx • ePocrates ID • Johns Hopkins ABX Guide • Lexi Drugs 	<ul style="list-style-type: none"> • Lexi Natural Products • MobileMicromedex • MobilePDR • MosbyDrugs • PainSTAT • PediSuite • Physician's Drug Handbook • Sanford Antibiotic Guide • Tarascon ePharmacopoeia • Vitamins and Minerals
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Interaction Analysis

- AltMeds
- ePocrates Rx
- ePocrates ID
- iFacts
- Lexi Interact
- MosbyDrugs
- The Physician's Drug Handbook

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Disease References

- 5 Minute Clinical Consult
- Breast Cancer TNM Classification
- Cancer Staging and Treatment
- Colon Cancer TNM
- Diagnosis of Diabetes
- Differential Diagnoses
- Differential Diagnosis Mnemonics Palm File
- Gynecologic Cancer Staging
- HFSS Calc
- Lexi Diagnostic Medicine
- Marik's Diff. Diagnosis
- The Merck Manual
- Pediatric Exanthems
- Right vs Left Ventricular Infarction
- Washington Manual

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Laboratory References

- ABGPro
- Acid Base Nomogram
- Basic Approaches to Acid Base Disorders
- Complete Blood Count: Interpreting the CBC
- Electrolytes
- Hematology Guide
- Lab Tests
- Lab Values
- Labtest
- Labvals
- Lytemeister
- LabValues
- MedLabRef

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Pharmacotherapy Calculators

- abPK
- Code Blue
- Creatinine Clearance
- InfusiCalc
- IV Rate Calc
- LipCalc
- MedCalc
- Medical Calculator
- Medical Mathpad
- Medical Wizards Drip Calculator
- MedMath
- Pediatric Dosing Calculator
- Pediatric Medical Mathpad
- PICU
- PK-Dose
- PkCalc
- ClinRx

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Record Tracking

- BabyCalc
- Developmental Milestones
- Patient Keeper
- Patient Tracker
- PregCalc Pro
- STAT Growth

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Patient Education Resources

- Act in Time
- Diseases-Explained
- Lexi PALS
- On Time Rx
- Pedi PALS
- Pill Pal

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Clinical Pearls, Algorithms, & Guidelines

- **ACLS 2001**
- Amiodarone
- ATP 3
- Clinical Cardiology, etc.
- COPD Gold
- Coronary Risk Calculators
- Fluid Analysis
- HandyCards
- History and Physical
- Medical Abbreviations
- Medical Mnemonics
- NHLBI/NAEPP Asthma Guidelines
- **OEI Obesity**
- PalmPearls
- Pevital
- Peripheral Brain
- Physik's Lists
- Shots 2002
- STAT Cardiac Clearance
- STAT Cardiac Risk
- STAT Cholesterol
- TIMI Risk
- Womens Health

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PDA Efficiency Utilities

- Acrobat Reader
- AvantGo
- Beam Box
- BigClock
- Documents to Go
- Intellisync
- Isilo
- Jot
- Launcher III
- Palm Mirror
- Palm Print
- PowerRun
- Secret!
- WarmSync
- WorldMate
- Virtual Keyboard

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Journals To Go

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ABX Guide

- Developed at Johns Hopkins
- Recently named a "must have" by *Pharmacy Practice News*
- Search by diagnosis, pathogen, or antibiotic
- Updates from clinical experts
- Allows author opinion on antibiotic usage
- 234,000 registered users and growing

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ABX Guide

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ePocrates

- Concise, current information on 3,000+ drugs
- Covers alternative medicine and prescription drug interactions
- Excellent desktop and PDA functionality
- Includes patient education materials

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ePocrates Applications

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Lexi-Comp Applications

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Micromedex

- Provides clinical information on drug toxicology, dosing tools, and interactions.
- Features several databases to select for specific drug information
- Includes the CareNotes system, a collection of patient education materials available for easy distribution.

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Micromedex Tools

- **Drug Interactions**-shows the possible interactions in order of severity
- **Dosing Tools**-calculates the proper dose based on entered patient values
- **Trade/Generic Drugs**-gives information on dosing, strength, and has links to the Martindale database

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Micromedex


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All-in-One Solutions

- mobileMicromedex
 - Acute Care Info, Alt Med Info, Drug Info, Drug Interaction Tool, Toxicology Info, Formulary Advisor
- Lexi-Complete
- ePocrates Essentials

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Clinical Applications



- What is the dose adjustment of gabapentin for patients undergoing hemodialysis?

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Clinical Applications



- What is the interaction between rosuvastatin and cyclosporin?

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Comparing the Resources

ABX Guide

Excellent resource for point-of-care antibiotic information
 Also useful for infectious disease experts to identify drug therapies and/or pathogens
 Regular, peer-reviewed updates

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Comparing the Resources

ePocrates

Pill search feature is unique and helpful for patient education and proper dosing
 PDA and online RX features are effective and time-saving for clinical providers
 Good coverage of alternative medicines

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Comparing the Resources

Micromedex

Primarily used for clinical and patient education materials
 Excellent for locating drug dosing information and care plans for patient conditions
 Used by a variety of medical disciplines

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PDA Demonstration & Practice

- mobileMicromedex
- ABX Guide
- ePocrates
- Lexi Complete

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Sign Up for PDA Applications

ABX Guide

http://www.hopkins-abxguide.org/download_center/download_center.cfm

mobileMicromedex

<http://healthcare.thomsonhc.com>

Click on Formulary & Handheld tab

ePocrates

<http://www2.epocrates.com/products/rx.html>

Lexi-Comp

<http://www.lexi.com>

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