Basic Resources for Pharmacy Education

January 2016 Edition

A Service Project of the
Library and Information Sciences Section of the
American Association of Colleges of Pharmacy

Edited by Sharon Giovenale and William Lundmark


Basic Resources for Pharmacy Education is produced as a guide for those who manage library collections that serve colleges of pharmacy. The list’s editors and current contributors all work in such libraries. This list contains our recommendations for works to be included in pharmacy library collections. The books and other works recommended in the Basic Resources are suitable for all pharmacy college libraries, but all pharmacy college libraries need not purchase every title in the list. Each pharmacy college has its own mission and its own program(s), and so each college’s library collection must reflect that mission and support the college’s program(s). Excellent library collections are built by knowledgeable librarians using their professional judgment along with the expertise of the college’s faculty. Basic Resources, therefore, should not be used as a benchmark and is not prescriptive, but is instead a starting place for librarians who are building a new collection or maintaining an established one.

Producing Basic Resources is a community effort. Each subject section is reviewed every three years by a contributor who makes suggestions for additions and deletions. Then, the editors compile the recommended additions and deletions for that review cycle and an advisory panel of pharmacy librarians and faculty members vote on the suggested changes. Approved changes are subsequently incorporated into the list’s database. There are two review cycles each year so that two sets of sections are reviewed during the course of one year. Our goal is to review the entire list every three years and to publish Basic Resources semiannually. Sections updated since the last (June 2015) edition are C.0-Medical Sciences (Sciences Basic to Medicine); C.1-Anatomy and PhysiologyD.3.e-Parenterals; E.3.b-Interprofessional Education; X.1.0-History; X.2.0-Informatics; X.4.0-Methodology, Statistics and Research Design.

We welcome volunteers, either to contribute to Basic Resources by reviewing sections or to serve on our advisory panel, or both. For more information about how the list is maintained or to volunteer to work on it, please contact either Sharon Giovenale (mailto:Sharon.Giovenale@uconn.edu) or William Lundmark (mailto:William.Lundmark@touro.edu).
Subject Classification of the
Basic Resources for Pharmacy Education

[A.0 BASIC SCIENCES]
A.1. GENERAL CHEMISTRY
A.2 BIOCHEMISTRY (see also B.1 MEDICINAL CHEMISTRY)
A.3 IMMUNOLOGY
A.4.0 MICROBIOLOGY
   A.4.a MOLECULAR BIOLOGY AND BIOTECHNOLOGY

[B.0 PHARMACEUTICAL SCIENCES]
B.1 MEDICINAL CHEMISTRY
B.2 PHARMACOGNOSY AND NATURAL PRODUCTS (see also D.3.C NUTRITION AND NUTRACEUTICALS)
B.3.0 PHARMACEUTICS
   B.3.a BIOPHARMACEUTICS AND PHARMACOKINETICS
B.4.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT (see also B.5.0 INDUSTRIAL)
B.5.0 INDUSTRIAL
B.6.0 COSMETICS
B.7.0 NUCLEAR AND RADIOPHARMACY
B.8.0 PHARMACOLOGY
   B.8.a.0 TOXICOLOGY
   B.8.a.1 DRUG ADVERSE REACTIONS, INTERACTIONS, AND SIDE EFFECTS (see also D.3.0 THERAPETUICS)
   B.8.b VETERINARY PHARMACOLOGY
B.9 PHARMACOCHEMISTRY AND PHARMACOGENOMICS

[C.0 MEDICAL SCIENCES (SCIENCES BASIC TO MEDICINE)]
C.1 Anatomy and Physiology

[D.0 CLINICAL SCIENCES]
D.1 PATHOPHYSIOLOGY
D.2 PATIENT PHYSICAL ASSESSMENT
D.3.0 THERAPEUTICS
   D.3.a Geriatrics
   D.3.b Neurology
   D.3.c Nutrition and Nutraceuticals
   D.3.d Oncology and Hematology
   D.3.e Parenterals
   D.3.f Pediatrics
   D.3.g Psychiatry
D.0 CLINICAL SCIENCES (continued)
D.3.0 THERAPEUTICS (continued)
  D.3.h SUBSTANCE ABUSE
  D.3.i SURGERY
D.4. ALTERNATIVE MEDICINE
E.0 PHARMACEUTICAL CARE (SOCIAL, BEHAVIORAL, AND ADMINISTRATIVE PHARMACY)
  E.1.0 HEALTH CARE POLICY, SYSTEMS AND SERVICES
    E.1.a EPIDEMIOLOGY
    E.1.b PHARMACOECONOMICS
  E.2.0 PATIENT-RELATED ACTIVITIES
    E.2.a DISEASE STATE MANAGEMENT
    E.2.b SELF CARE (OTCs)
  E.3.0 PHARMACISTS’ PROFESSIONAL DEVELOPMENT
    E.3.a COMMUNICATION SKILLS
    E.3.b EDUCATION
    E.3.c INTERPROFESSIONAL EDUCATION
    E.3.d CULTURAL COMPETENCY
  E.4.0 PROFESSIONAL PRACTICE
    E.4.a COMMUNITY PHARMACY
    E.4.b HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY
    E.4.c HOME HEALTH CARE
    E.4.d MANAGED CARE
    E.4.e DRUG USE EVALUATION

X.1.0 HISTORY†
  X.1.a CLASSICS†
X.2.0 INFORMATICS†
  X.2.a BIBLIOGRAPHIES AND LITERATURE GUIDES†
  X.2.b HANDBOOKS AND DICTIONARIES†
  X.2.c EVIDENCE-BASED PRACTICE†
X.3 LAWS, LEGISLATION, REGULATIONS, AND ETHICS†
X.4.0 METHODOLOGY, STATISTICS, AND RESEARCH DESIGN†
  X.4.a QUALITY ASSURANCE†
X.5 DIRECTORIES†

†The classifications beginning with ‘X’ may also be used as subdivisions of other classifications. Examples: A.2 - X.4.0 BIOCHEMISTRY - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN
B.4.0 - X.1.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT
Basic Resources for Pharmacy Education

A.0 - X.6.1.c BASIC SCIENCES - ONLINE ABSTRACTS AND INDEXES

Biological Abstracts. Thomson Reuters. URL: http://wokinfo.com/products_tools/specialized/ba/

BIOSIS previews. Thomson Reuters, updated weekly. URL: http://www.biosis.org


Web of Science. Thomson Reuters, updated weekly. Available in a variety of formats and at various prices. Also known as SciSearch. URL: http://wokinfo.com/products_tools/multidisciplinary/webofscience/

A.1 GENERAL CHEMISTRY


A.1 - X.2.b GENERAL CHEMISTRY - HANDBOOKS AND DICTIONARIES


A.1 - X.7 GENERAL CHEMISTRY - WEB SITES


A.2 BIOCHEMISTRY


A.3 IMMUNOLOGY


*Title recommended for first purchase


A.4.0 MICROBIOLOGY


*Title recommended for first purchase
A.4.0 - X.4.0 MICROBIOLOGY-METHODOLOGY, STATISTICS AND RESEARCH DESIGN


A.4.a MOLECULAR BIOLOGY AND BIOTECHNOLOGY


Glick, Bernard R.; Delovitch, Terry L.; Patten, Cheryl L. Medical biotechnology. Washington, DC, ASM Press, 2014. ISBN: 9781555817053. $120.00.


A.4.a - X.2.b MOLECULAR BIOLOGY AND BIOTECHNOLOGY - HANDBOOKS AND DICTIONARIES


A.4.a. – X.7 MOLECULAR BIOLOGY AND BIOTECHNOLOGY – WEB SITES


B.0 - PHARMACEUTICAL SCIENCES


B.0 - X.6.1.c PHARMACEUTICAL SCIENCES - ONLINE ABSTRACTS AND INDEXES

IPA: international pharmaceutical abstracts. Thomson Reuters. Distributed electronically on various
vendor platforms. URL: http://thomsonreuters.com/products_services/science/science_products/a-z/ipa/

B.0 - X.7 PHARMACEUTICAL SCIENCES - WEB SITES

American Association of Pharmaceutical Scientists. URL: http://www.aaps.org

B.1 MEDICINAL CHEMISTRY


B.1 - X.2.b MEDICINAL CHEMISTRY - HANDBOOKS AND DICTIONARIES


B.1 - X.4.0 MEDICINAL CHEMISTRY - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN

B.1 - X.7 MEDICINAL CHEMISTRY - WEB SITES

European Federation for Medicinal Chemistry. URL:  http://www.efmc.info/

American Chemical Society (ACS) Division of Medicinal Chemistry. ACS Division of Medicinal Chemistry. URL:  http://acsmedchem.org/

Harrold, Marc W. Basic concepts in medicinal chemistry [tutorial]. School of Pharmacy, Duquesne, 2001- URL:  http://www.duq.edu/pharmacy/faculty/harrold/basic-concepts-in-medicinal-chemistry.cfm

B.2 PHARMACOGNOSY AND NATURAL PRODUCTS


*Title recommended for first purchase


Tracy, Timothy S; and Kingston, Richard L. Herbal Products Toxicology and Clinical Pharmacology. 2nd ed. Totowa, New Jersey, Humana Press, 2007. ISBN: 9781588293138 $159.00 and up depending on format

**B.2 - X.1.0 PHARMACOGNOSY AND NATURAL PRODUCTS - HISTORY**


**B.2 - X.1.a PHARMACOGNOSY AND NATURAL PRODUCTS - CLASSICS**


*Title recommended for first purchase*
**B.2 - X.2.b PHARMACOGNOSY AND NATURAL PRODUCTS - HANDBOOKS AND DICTIONARIES**

AltMedDex system. Thomson MICROMEDEX, updated quarterly. MICROMEDEX products available to schools of pharmacy without charge when limited to teaching purposes, not clinical use. Available on CD-ROM and online. URL: http://www.micromedex.com/products/altmeddexprotocols/


Ross, Ivan A. Medicinal plants of the world: chemical constituents, traditional and modern medicinal uses. 2nd ed. Totowa, NJ, Humana, 2003-. ISBN: 9781588292810 (vol. 1); 9780896038776 (vol. 2); 9781588291295, (vol. 3). Vol. 1, 3, $169.00 each; vol. 2 $199.00.


**B.2 - X.2.b PHARMACOGNOSY AND NATURAL PRODUCTS - HANDBOOKS AND DICTIONARIES - CLASSICS**


**B.2 - X.3 PHARMACOGNOSY AND NATURAL PRODUCTS - LAWS, LEGISLATION, REGULATIONS, AND ETHICS**


**B.2 - X.4.0 PHARMACOGNOSY AND NATURAL PRODUCTS - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN**

Upton, Roy; Graff, Alison; Jolliffe, Georgina; et al., eds. American Herbal Pharmacopoeia: Botanical Pharmacognosy - Microscopic Characterization of Botanical Medicines. Boca Raton, CRC Press,

**B.2 - X.4.0 PHARMACOGNOSY AND NATURAL PRODUCTS - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN - CLASSICS**


**B.2 - X.7 PHARMACOGNOSY AND NATURAL PRODUCTS - WEB SITES**


American Society of Pharmacognosy. The Society. URL: http://www.phcog.org/


**B.3.0 PHARMACEUTICS**


*Title recommended for first purchase


**B.3.0 - X.7 PHARMACEUTICS - WEB SITES**


International Academy of Compounding Pharmacists. Missouri City, TX: International Academy of Compounding Pharmacists. URL: http://www.iacprx.org/

Shrewsbury, Robert. Pharmaceutics and compounding laboratory. School of Pharmacy, University of North Carolina, 1999. URL: http://pharmlabs.unc.edu/

**B.3.a BIOPHARMACEUTICS AND PHARMACOKINETICS**


Hammarlund-Udenaes, Margareta; De Lange, Elizabeth; Thorne, Robert. Drug delivery to the brain

*Title recommended for first purchase*


B.3.a - X.1.a BIOPHARMACEUTICS AND PHARMACOKINETICS - CLASSICS


B.3.a - X.4.0 BIOPHARMACEUTICS AND PHARMACOKINETICS - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN


B.3.a - X.7 BIOPHARMACEUTICS - WEB SITES

The Biopharmaceutics Classification System (BCS) guidance. U.S. Food and Drug Administration. URL: http://www.fda.gov/AboutFDA/CentersOffices/CDER/ucm128219.htm

B.4.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT

* Smith and Williams' introduction to the principles of drug design and action. 4th ed. Boca Raton, FL, 10


**B.4.0 - X.1.0 DRUG DESIGN, DISCOVERY, AND DEVELOPMENT - HISTORY**


**B.5.0 INDUSTRIAL**

B.5.0 - X.1.a INDUSTRIAL - CLASSICS


B.5.0 - X.2.b INDUSTRIAL - HANDBOOKS AND DICTIONARIES


B.5.0 - X.4.a INDUSTRIAL - QUALITY ASSURANCE


B.5.0 - X.5 INDUSTRIAL - DIRECTORIES


B.5.0 - X.7 INDUSTRIAL - WEB SITES


B.6.0 COSMETICS


*Title recommended for first purchase
**B.6.0 - X.2.b COSMETICS - HANDBOOKS AND DICTIONARIES**


**B.7.0 NUCLEAR AND RADIOPHARMACY**


**B.7.0 - X.2.b NUCLEAR AND RADIOPHARMACY - HANDBOOKS AND DICTIONARIES**


**B.8.0 PHARMACOLOGY**


**B.8.0 - X.1.a PHARMACOLOGY - CLASSICS**


*Title recommended for first purchase*
B.8.0 - X.7 PHARMACOLOGY - WEB SITES

DrugBank – Open Data Drug & Drug Target Database. URL: http://www.drugbank.ca/

Clinical pharmacology. Gold Standard. Price dependent on number of student FTEs; price also includes mobile access; price does not include access for adjunct professors or preceptors; eligible for discount through letter of incorporation, contact rep for more information on details of eligibility. URL: http://www.clinicalpharmacology.com/

B.8.a.0 TOXICOLOGY


*Title recommended for first purchase


B.8.a.0 - X.2.b TOXICOLOGY - HANDBOOKS AND DICTIONARIES


POISINDEX system. Truven Health Analytics, updated quarterly. Online only; available separately or as part of MICROMEDEX database. URL: http://www.micromedex.com


B.8.a.0 - X.4.0 TOXICOLOGY - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN


B.8.a.0 - X.6.1.0 TOXICOLOGY - ONLINE RESOURCES

RTECS: Registry of toxic effects of chemical substances. National Institute for Occupational Safety and Health. $1,283.00. Annual license, 1-10 named users. URL: http://www.cdc.gov/niosh/rtecs/
B.8.a.0 -X.7 TOXICOLOGY - WEB SITES


B.8.a.1 DRUG ADVERSE REACTIONS, INTERACTIONS, AND SIDE EFFECTS


* Drug interaction facts: the authority on drug interactions. Philadelphia, Lippincott, Williams and Wilkins, loose-leaf, updated quarterly. $235.00 (renewal $209.00). Also available in other formats.


B.8.a.1 - X.1.a DRUG ADVERSE REACTIONS, INTERACTIONS, AND SIDE EFFECTS - CLASSICS


B.8.a.1 - X.7 DRUG ADVERSE REACTIONS, INTERACTIONS, AND SIDE EFFECTS - WEB SITES

Database of antiretroviral drug interactions. Center for HIV Information, University of California, San
Francisco. URL:  http://hivinsite.ucsf.edu/InSite?page=ar-00-02


Foucher, Pascal; Camus, Philippe. Pneumotox online: the drug-induced lung diseases. Dijon, France: Department of Pulmonary Diseases and Intensive Care Unit, University Hospital, Dijon, France. URL: http://www.pneumotox.com/

**B.8.b VETERINARY PHARMACOLOGY**


**B.8.b - X.2.b VETERINARY PHARMACOLOGY - HANDBOOKS AND DICTIONARIES**


*Title recommended for first purchase
**B.9 PHARMACOGENETICS & PHARMACOGENOMICS**


**B.9 - X.2.a PHARMACOGENETICS & PHARMACOGENOMICS - HANDBOOKS AND DICTIONARIES**


**C.0 - X.2.b MEDICAL SCIENCES (SCIENCES BASIC TO MEDICINE) - HANDBOOKS AND DICTIONARIES**


* Jablonski, Stanley, ed. Jablonski's dictionary of medical acronyms & abbreviations. 6th ed. Philadelphia,
C.0 - X.6.1.c MEDICAL SCIENCES (SCIENCES BASIC TO MEDICINE) - ONLINE ABSTRACTS AND INDEXES


CINAHL. CINAHL Information Systems. Available online in four versions through EBSCOhost. URL: http://www.ebscohost.com/cinahl

EMBASE. Elsevier. Available online at various prices. URL: http://www.embase.com


C.1 ANATOMY AND PHYSIOLOGY


D.0 – X.7 CLINICAL SCIENCES – WEB SITES


Drugs @ FDA. Silver Spring, MD: US Food and Drug Administration. URL: 

*Title recommended for first purchase
D.1 PATHOPHYSIOLOGY


D.2 PATIENT PHYSICAL ASSESSMENT


*Title recommended for first purchase
D.3.0 THERAPEUTICS


*Title recommended for first purchase


D.3.0 - X.2.c THERAPEUTICS - EVIDENCE BASED PRACTICE


D.3.0 - X.7 THERAPEUTICS - WEB SITES


D.3.a GERIATRICS


*Title recommended for first purchase

D.3.a - X.2.b GERIATRICS - HANDBOOKS AND DICTIONARIES


D.3.a - X.7 GERIATRICS - WEB SITES


D.3.b NEUROLOGY


D.3.c NUTRITION AND NUTRACEUTICALS


*Title recommended for first purchase


D.3.c - X.1.a NUTRITION AND NUTRACEUTICALS - CLASSICS


D.3.c - X.7 NUTRITION AND NUTRACEUTICALS - WEB SITES

Dietary Supplement Ingredient Database. Nutrient Data Laboratory in conjunction with Office of Dietary Supplements. URL: http://dietarysupplementdatabase.usda.nih.gov/


* Natural Medicines. Therapeutic Research Center. Price based on FTEs. URL: https://naturalmedicines.therapeuticresearch.com/

The Office of Dietary Supplements URL: http://ods.od.nih.gov/


D.3.d ONCOLOGY AND HEMATOLOGY


*Title recommended for first purchase


D.3.e PARENTERALS


D.3.f PEDIATRICS


D.3.f - X.2.b PEDIATRICS - HANDBOOKS AND DICTIONARIES


*Title recommended for first purchase
Hudson, OH, Lexi-Comp, 2013. ISBN: 9781591953241. $69.95. Also available online and in CD-ROM and handheld versions.

**D.3.g PSYCHIATRY**


**D.3.g - X.2.b PSYCHIATRY - HANDBOOKS AND DICTIONARIES**


**D.3.h SUBSTANCE ABUSE**


*Title recommended for first purchase


**D.3.h - X.2.b SUBSTANCE ABUSE - HANDBOOKS AND DICTIONARIES**


**D.3.h - X.7 SUBSTANCE ABUSE - WEB SITES**

Substance Abuse and Mental Health Services Administration. SAMHSA. URL: http://www.samhsa.gov

National Institute on Alcohol Abuse and Alcoholism. National Institute on Alcohol Abuse and Alcoholism. URL: http://www.niaaa.nih.gov/


*Title recommended for first purchase*
D.3.i SURGERY


D.4 ALTERNATIVE MEDICINE


*Title recommended for first purchase

D.4 - X.7 ALTERNATIVE MEDICINE - WEB SITES


E.0 PHARMACEUTICAL CARE (SOCIAL, BEHAVIORAL, AND ADMINISTRATIVE PHARMACY)


* Rickles, Nathaniel M.; Wertheimer, Albert I.; Smith, Mickey C., eds. Social and behavioral aspects of pharmaceutical care. 2nd ed. Sudbury, MA, Jones and Bartlett, 2010. ISBN: 9780763764081. $112.00; also available as an e-book.


E.0 - X.4.0 PHARMACEUTICAL CARE (SOCIAL, BEHAVIORAL, AND ADMINISTRATIVE PHARMACY) - METHODOLOGY, STATISTICS, AND RESEARCH DESIGN


E.0 - X.6.1.c PHARMACEUTICAL CARE (SOCIAL, BEHAVIORAL, AND ADMINISTRATIVE PHARMACY) - ONLINE ABSTRACTS AND INDEXES


*Title recommended for first purchase
**E.1.0 HEALTH CARE POLICY, SYSTEMS AND SERVICES**


**E.1.a EPIDEMIOLOGY**


**E.1.a - X.7 EPIDEMIOLOGY - WEB SITES**

International Society for Pharmacoepidemiology. ISPE. URL: http://www.pharmacoepi.org/

**E.1.b PHARMACOECONOMICS**


*Title recommended for first purchase
**E.1.b - X7 PHARMACOECONOMICS - WEB SITES**

International Society for Pharmacoeconomics and Outcomes Research. ISPOR. URL: http://www.ispor.org/

**E.2.0 PATIENT-RELATED ACTIVITIES**


**E.2.a DISEASE STATE MANAGEMENT**


*Title recommended for first purchase*


E.2.b - X.2.b SELF CARE (OTCs) - HANDBOOKS AND DICTIONARIES


E.3.0 PHARMACISTS' PROFESSIONAL DEVELOPMENT


E.3.a COMMUNICATION SKILLS


E.3.b EDUCATION


Pellegrino, James W.; Chudwsky, Naomi; Glaser, Robert, eds. Knowing what students know: the science

*Title recommended for first purchase


**E.3.b - X.1.0 EDUCATION - HISTORY**


**E.3.b - X.1.a EDUCATION - CLASSICS**


**E.3.b - X.7 EDUCATION - WEB SITES**

*Accreditation Council for Pharmacy Education. Chicago: Accreditation Council for Pharmacy Education. URL: https://www.acpe-accredit.org


**E.3.c INTERPROFESSIONAL EDUCATION**


*Title recommended for first purchase


Weiss, Donna; Tilin, Felice; Morgan, Marlene. The interprofessional health care team: leadership and development. Burlington, MA, Jones & Bartlett Learning, 2014. ISBN: 9781449673369. $64.95.

**E.3.c - X.7 INTERPROFESSIONAL EDUCATION - WEB SITES**

American Interprofessional Health Collaborative. URL: http://www.aihc-us.org/

Centre for the Advancement of Interprofessional Education (CAIPE). URL: http://www.caipe.org.uk/

International Association for Interprofessional Education and Collaborative Practice. URL: http://www.interedhealth.org/

**E.3.d CULTURAL COMPETENCY**


*Title recommended for first purchase


**E.4.0 PROFESSIONAL PRACTICE**


Chisholm-Burns, Marie A.; Vaillancourt, Allison M.; Shepherd, Marv, eds. Pharmacy management, leadership, marketing and finance. Sudbury, MA, Jones and Bartlett, 2011. ISBN:

*Title recommended for first purchase*
9781449613433.  $56.95.


**E.4.0 - X.3 PROFESSIONAL PRACTICE - LAWS, LEGISLATION, REGULATIONS, AND ETHICS**


**E.4.0 - X.7 PROFESSIONAL PRACTICE - WEB SITES**

American College of Apothecaries. URL: http://www.americancollegeofapothecaries.com/

American Pharmacists Association. APHA. URL: http://www.pharmacist.com

American Society of Health-System Pharmacists. ASHP. URL: http://www.ashp.org

National Community Pharmacists Association. NCPA. URL: http://www.ncpanet.org/

Pharmacy Compounding Accreditation Board. PCAB. URL: http://www.pcab.info/


National Alliance of State Pharmacy Associations. NASPA. 2011. URL: http://www.ncspae.org

**E.4.a COMMUNITY PHARMACY**

Chain drug review: annual report of retail pharmacy. New York, Racher Press, annual. ISSN: 0164-9914. $100.00.


*Title recommended for first purchase


**E.4.a COMMUNITY PHARMACY - CLASSICS**


**E.4.b HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY**

Comprehensive accreditation manual for ambulatory care (CAMAC). Oakbrook Terrace, IL, Joint Commission on Accreditation of Healthcare Organizations, loose-leaf, updated biannually. ISBN: 9781599405742. $332.00; updates, $250.00; both, $582.00.

Comprehensive accreditation manual for hospitals (CAMH): the official handbook. Oakbrook Terrace, IL, Joint Commission on Accreditation of Healthcare Organizations, loose-leaf, updated biannually. ISBN: 9781599405698. $469.00; updates, $350.00; both, $819.00.

Comprehensive accreditation manual for long term care (CAMLTC). Oakbrook Terrace, IL, Joint Commission on Accreditation of Healthcare Organizations, loose-leaf, updated biannually. ISBN: 9781599405735. $332.00; updates, $250.00; both, $582.00.


**E.4.b - X.3 HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - LAWS, LEGISLATION, REGULATIONS, AND ETHICS**


**E.4.b - X.4.a HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - QUALITY ASSURANCE**

E.4.b - X.5 HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - DIRECTORIES


E.4.b - X.7 HEALTH-SYSTEM PHARMACY AND INSTITUTIONAL PHARMACY - WEB SITES


E.4.c HOME HEALTH CARE


E.4.c – X.7 HOME HEALTH CARE – WEB SITES


E.4.d MANAGED CARE


E.4.d - X.1.a MANAGED CARE - CLASSICS


*Title recommended for first purchase
E.4.d - X.7 MANAGED CARE - WEB SITES

* Academy of Managed Care Pharmacy. Academy of Managed Care Pharmacy, 1989-. URL: http://www.amcp.org/


E.4.e DRUG USE EVALUATION


X.1.0 HISTORY


Higby, Gregory J. One hundred years of the National Formulary: a symposium. Madison, WI, American

*Title recommended for first purchase


X.1.0 - X.1.a HISTORY - CLASSICS


X.1.0 - X.2.a HISTORY - BIBLIOGRAPHIES AND LITERATURE GUIDES


*Title recommended for first purchase

X.1.a CLASSICS


X.2.0 INFORMATICS


*Title recommended for first purchase


**X.2.a - X.7 BIBLIOGRAPHIES AND LITERATURE GUIDES - WEB SITES**

Maccara, Mary E.; Foy, Elizabeth. Drug information resources: a guide for pharmacists. Dalhousie University College of Pharmacy, 1999-. URL: http://dir.pharmacy.dal.ca/

**X.2.a BIBLIOGRAPHIES AND LITERATURE GUIDES**


**X.2.b HANDBOOKS AND DICTIONARIES**


Compendium of pharmaceuticals and specialties. Ottawa, Canada, Canadian Pharmacists Association, annual. ISSN 0715-3066. 2007, $210.00. Also available online.

Consolidated list of products whose consumption and/or sale have been banned, withdrawn, severely restricted or not approved by governments. 8th ed. New York, United Nations, 2003. ISBN: 9789211302301. $125.00.


*Title recommended for first purchase

IDENTIDEX system. Greenwood Village, CO, Thomson MICROMEDEX, 1974. MICROMEDEX products available to schools of pharmacy without charge when limited to teaching purposes, not clinical use. Available on CD-ROM and online.


* Physicians' desk reference (PDR). Montvale, NJ, Thomson PDR, annual. ISBN: 9781563635687. 2006, $94.95. Also available online, on CD-ROM, and PDA.


*Title recommended for first purchase
X.2.b - X.7 HANDBOOKS AND DICTIONARIES - WEB SITES

Drugs.com. Auckland, New Zealand: Drugsite Trust. URL:  http://www.drugs.com

RxList: the Internet drug index. URL:  http://www.rxlist.com


X.2.c EVIDENCE-BASED PRACTICE


X.3 LAWS, LEGISLATION, REGULATIONS, AND ETHICS


* National Association of Boards of Pharmacy, ed. Survey of pharmacy law. Mount Prospect, IL, NABP, annual. CD-ROM, $20.00. Free of charge to all final-year pharmacy students through a grant.


**X.3 - X.7 LAWS, LEGISLATION, REGULATIONS, AND ETHICS - WEB SITES**


National Association of Boards of Pharmacy. URL: http://www.nabp.net/


* U.S. Food and Drug Administration. Rockville, MD: FDA. URL: http://www.fda.gov/


U.S. Food and Drug Administration. Drugs. URL: http://www.fda.gov/drugs

*Title recommended for first purchase
X.4.0 METHODOLOGY, STATISTICS, AND RESEARCH DESIGN


X.4.a QUALITY ASSURANCE


Committee on Identifying and Preventing Medication Errors. Board on Health Care Services; Aspden, Philip; Wolcott, Julie; Bootman, J. Lyle; Cronenwett, Linda R., eds. Preventing medication errors.

*Title recommended for first purchase


X.4.a - X.7 QUALITY ASSURANCE - WEB SITES

Institute for healthcare improvement. URL: http://www.ihi.org/Pages/default.aspx

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X.5 DIRECTORIES