

# Newfoundland and Labrador Pharmacy Board

## Standards of Pharmacy Practice

### Required and Recommended Reference Materials for Newfoundland and Labrador Pharmacies

**Note:** Pharmaceutical Press products are also available via *MedicinesComplete*: [lb.ca/medicinescomplete](http://lb.ca/medicinescomplete)

#### Text Copies versus Electronic Sources

Electronic sources are readily available and acceptable for any of the required references, provided they are as comprehensive as the printed version and meet the same requirements for currency. As with hard copy references, when online or PDA references are the source of information, they must be accessible and available to the pharmacist at the dispensary level when the pharmacy is open for business.

#### Sources and Suppliers

Login Canada (LBC)

[lb.ca](http://lb.ca)

#### Required References

Community pharmacies are **REQUIRED** to have at least **ONE** current edition from each of the following categories. All references should be located within the dispensary and be readily accessible.

Category	Edition	Examples	Comments/Availability
Canadian Compendium	Current year's edition	<a href="#">Compendium of Pharmaceuticals and Specialties (CPS)</a> (LBC)	Recommended to have both the text and an online version ( <i>eCPS</i> or <i>eTherapeutics</i> product) as the content is not equivalent between these versions.
Complementary / Alternative / Natural Health	Current edition of within the last 3 years	AltMedDex® System (MM)	<ul style="list-style-type: none"> <li>- Online or CD</li> <li>- May be purchased individually or as part of a Micromedex bundle</li> </ul>
		Guide to Popular Natural Products (GNP3) (FC)	<ul style="list-style-type: none"> <li>- PDA</li> <li>- An abridged version of <i>The Review of Natural Products</i></li> </ul>
		Lexi-Natural Products (LC)	<ul style="list-style-type: none"> <li>- PDA</li> <li>- May be purchased individually or as part of a bundle</li> </ul>
		Natural Medicines Comprehensive Database	Text, online or PDA
		<a href="#">The Review of Natural Products</a> (LBC)	<ul style="list-style-type: none"> <li>- Text, loose-leaf binder (with updates) or online (as part of the Facts &amp; Comparisons package)</li> </ul>

Category	Edition	Examples	Comments/Availability
Drug Interactions	Current year's edition or previous year's edition with continuous updates	<a href="#">Drug Interaction Facts</a> (LBC)	Text, loose-leaf binder (with updates) or online (as part of the Facts & Comparisons package)
		<a href="#">Drug Interaction Analysis &amp; Management</a> (LBC)	Text, loose-leaf binder (with updates)
		Drug-Reax® System (MM)	<ul style="list-style-type: none"> <li>- Online or CD</li> <li>- May be purchased on its own or within a Micromedex package</li> </ul>
		Evaluations of Drug Interactions	Loose-leaf binder (with updates)
		Lexi-Interact (LC)	<ul style="list-style-type: none"> <li>- PDA</li> <li>- May be purchased individually or as part of a bundle</li> </ul>
<p><b>NOTE:</b> A comparable computer system for health professionals would satisfy this requirement provided the system permits the identification of drug interaction information without the need to fill a prescription and is updated at least on a yearly basis. In addition, the severity of the interaction, the mechanism, management options, summary of primary literature and references must be present.</p> <p><b>NOTE:</b> Internet sites for consumer use such as Drug Digest of Medscape's Drug Interaction Checker are <b>NOT</b> adequate for this requirement.</p>			
General Drug Information Reference; Dispensatory; Foreign Compendia	Current edition OR next to current edition	DrugDex® System (MM)	<ul style="list-style-type: none"> <li>- Online, PDA or CD</li> <li>- May be purchased individually or as part of a Micromedex package</li> </ul>
		<a href="#">Drug Information Handbook</a> (Lexi-Drugs) (LBC)	<ul style="list-style-type: none"> <li>- Text or may be purchased electronically individually or as part of a bundle</li> </ul>
		<a href="#">AHFS Drug Information</a> (LBC)	<ul style="list-style-type: none"> <li>- Text</li> </ul>
		<a href="#">Drug Facts &amp; Comparisons</a> (LBC)	<ul style="list-style-type: none"> <li>- Text, loose-leaf binder (with updates or online (as part of the Facts &amp; Comparisons package)</li> </ul>
Medical Dictionary	Within the last 10 years	<a href="#">Dorland's</a> , <a href="#">Mosby's</a> , <a href="#">Stedman's</a> , <a href="#">Taber's</a>	<ul style="list-style-type: none"> <li>- Text</li> <li>- Those listed or any equivalent professional medical dictionary</li> </ul>
Nonprescription Medication	Current edition or within the last 5 years	Patient Self-Care (LBC) [Now called the <a href="#">Compendium of Therapeutics for Minor Ailments</a> ]	Text or online (as stand-alone <i>eTherapeutics for Minor Ailments</i> or as part of the <i>eTherapeutics+ Complete</i> product)
		<b>AND</b>	
		Compendium of Self-Care Products (LBC) [Now called the <a href="#">Compendium of Products for Minor Ailments</a> ]	Text or online (as stand-alone <i>eTherapeutics for Minor Ailments</i> or as part of the <i>eTherapeutics+ Complete</i> product)
Pediatrics	Within the last 3 years	<a href="#">Pediatric and Neonatal Dosage Handbook</a> (Pediatric Lexi-Drugs) (LBC)	Text or may be purchased electronically individually or as part of a bundle
		Sick Kids Drug Handbook and Formulary	Text
Pregnancy & Lactation	Within the last 3 years	<a href="#">Drugs in Pregnancy and Lactation</a> , Briggs (LBC)	Text or PDA (with fully-searchable companion website)
		Lexi-Pregnancy and Lactation (LC)	<ul style="list-style-type: none"> <li>- PDA</li> <li>- May be purchased electronically individually or as part of a bundle</li> </ul>

Category	Edition	Examples	Comments/Availability
Therapeutic References	Within the last 5 years	<a href="#">Applied Therapeutics: The Clinical Use of Drugs</a> , Koda-Kimble (LBC)	Text
		<a href="#">Clinical Pharmacy and Therapeutics</a> , Walker (LBC)	Text
		<i>Pharmacotherapy: A Pathophysiologic Approach</i> , DiPiro	Text
		<a href="#">Textbook of Therapeutics: Drug &amp; Disease Management</a> , Helms (LBC)	Text
		<a href="#">Compendium of Therapeutic Choices</a> (LBC)	Text, online (e-Therapeutics+), or PDA (TC Mobile)
		NOTE: Condensed versions are acceptable if pharmacy has internet access to the Merck Manual for Health Professionals	
Regulatory Information	Current edition	NLPB Pharmacy Manual ( <a href="http://www.nlpb.ca">www.nlpb.ca</a> )	Text or online
	Last 5 years	NLPB Newsletter – The Apothecary ( <a href="http://www.nlpb.ca">www.nlpb.ca</a> )	Text or online
Pharmacy Professional Journals	Current and previous year's subscription	<b>At least three (3) of the following:</b> Canadian Journal of Hospital Pharmacy, Canadian Pharmacists Journal, Drugstore News, Pharmacy Practice, The Pharmacist's Letter	Text or online

### **Required References (for specific professional services)**

Many times there are references that are not necessarily required by all pharmacies but should be obtained by those pharmacies providing additional professional services. The following describes some of these situations.

For those providing service to licensed Long-Term Care facilities, such as nursing homes or personal care homes, the pharmacy should obtain references applicable to the relevant service area (psychiatric care, geriatric care, etc.)	<a href="#">Geriatric Dosage Handbook</a> (LBC)
	<b>AND/OR</b>
	<a href="#">Clinical Handbook of Psychotropic Drugs</a> , <a href="#">Bezchlibnyk-Butler</a> (LBC)
For pharmacies dispensing methadone  Links to all references available on the <a href="#">Professional Practice Resources</a> page of the NLPB website.	College of Physicians and Surgeons of Newfoundland and Labrador Methadone Maintenance Treatment Guidelines ( <a href="http://www.cpsnl.ca">www.cpsnl.ca</a> )
	Health Canada Best Practices: Methadone Maintenance Treatment ( <a href="http://www.hc-sc.gc.ca/hl-vs/pubs/adp-apd/methadone-bp-mp/index-eng.php">www.hc-sc.gc.ca/hl-vs/pubs/adp-apd/methadone-bp-mp/index-eng.php</a> )
	<a href="#">Methadone Maintenance: A Pharmacist's Guide to Treatment</a> , Brands and Janecek (LBC)
	Newfoundland and Labrador Pharmacy Board Standards of Pharmacy Practice for the Newfoundland and Labrador Methadone Maintenance Program ( <a href="http://www.nlpb.ca/spg.html">www.nlpb.ca/spg.html</a> )
For pharmacies compounding ophthalmic products	ASHP Guideline on Pharmacy-Prepared Ophthalmic Products

For pharmacies compounding sterile injectable products	Pharmacy Procedures for Sterile Product Preparation – Video 1: Principles of Asepsis (with accompanying user guide) (CSHP)	
	<b>AND</b>	
	Pharmacy Procedures for Sterile Product Preparation – Video 2: Aseptic Technique (with accompanying user guide) (CSHP)	
	<b>PLUS one (1) of the following:</b>	
	ASHP Guideline on Quality Assurance for Pharmacy-Prepared Sterile Products	
	<a href="#"><i>Handbook of Injectable Drugs</i></a> (LBC)	<ul style="list-style-type: none"> <li>- Text and/or CD</li> <li>- May be purchased individually or as part of a bundle such as “StatRef!”</li> </ul>
	IV INDEX® System (MM)	<ul style="list-style-type: none"> <li>- Online or CD</li> <li>- May be purchased individually or as part of a Micromedex bundle</li> </ul>
	King Guide to Parenteral Admixtures	Loose-leaf binder (with quarterly updates), online or PDA
	Ottawa Hospital Parenteral Drug Therapy Manual	
Additional useful website: London Health Sciences Centre Parenteral Drug Administration Manual		

For pharmacies compounding sterile injectable antineoplastic products	Pharmacy Procedures for Sterile Product Preparation – Video 3: Antineoplastic Agents (with accompanying user guide) (CSHP)	
	Guidelines for Handling and Disposal of Hazardous Pharmaceuticals (CSHP)	
	ASHP Guideline on Handling Hazardous Drugs	
	Additional useful websites:	
	<ul style="list-style-type: none"> <li>- BC Cancer Agency <a href="http://www.bccancer.bc.ca">www.bccancer.bc.ca</a></li> <li>- Cancer Care Ontario <a href="http://www.cancercare.on.ca">www.cancercare.on.ca</a></li> </ul>	

### **Additional Recommended References**

Compounding	Sick Kids Pharmacy Compounding Service website ( <a href="http://www.sickkids.ca/pharmacy/compounding-service/index.html">http://www.sickkids.ca/pharmacy/compounding-service/index.html</a> )
Geriatrics	<a href="#"><i>Geriatric Dosage Handbook</i></a> (LBC)
Journals	The Advocacy News ( <a href="http://www.panl.net">www.panl.net</a> )
Lactation	<a href="#"><i>Medications and Mother’s Milk</i></a> (LBC)
	<b>OR both</b>
	Motherisk website ( <a href="http://www.motherisk.org">www.motherisk.org</a> )
	<b>AND</b>
	LactMed website ( <a href="http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?LACT">toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?LACT</a> )

Patient Counseling	Detailed Drug Information for the Consumer (MM)	<ul style="list-style-type: none"> <li>- Online</li> <li>- May be purchased individually or as part of a Micromedex package</li> </ul>
	Lexi-Patient Education (LC)	<ul style="list-style-type: none"> <li>- PDA</li> <li>- May be purchased electronically individually or as part of a bundle</li> </ul>
Pharmacology	<i>Goodman &amp; Gillman's The Pharmacological Basis of Therapeutics, Brunton</i> (McGraw-Hill)	
	<i>Basic &amp; Clinical Pharmacology, Katzung</i> (McGraw-Hill)	
Other	<a href="#"><i>Clinical Handbook of Psychotropic Drugs, Bezchlibnyk-Butler</i></a> (LBC)	
	<a href="#"><i>Remington: The Science and Practice of Pharmacy</i></a> (LBC)	
	<a href="#"><i>Sanford Guide to Antimicrobial Therapy</i></a> (LBC)	
	Lexi-Infectious Diseases (LC)	

Updated by KW, February 16, 2015.