



# Informatics for Pharmacy Students e-Resource

## Navigation Instructions

The items below will orient you to the e-Resource layout and navigation.

- You must log-in with your username and password to access the e-Resource.
- The e-Resource has 17 chapters (Version 3).

### 1. Accessing e-Resource Chapters

- To access the e-Resource chapters, click on “e-Resource English” located within the green menu bar.
- You can also access the chapters from the the “Informatics e-Resource” block on the front page.

The screenshot shows the website's header with the title "Informatics for Pharmacy Students E-RESOURCE". A green navigation bar contains three items: "Informatics for Pharmacy Students", "e-Resource English", and "e-Resource Français". The "e-Resource English" item is circled in red. On the right of the navigation bar, it says "You are logged in as Test User (Logout)".

The main content area features a large banner for "Version 3 is Here!" with the text: "Open Access for all email addresses --- Updated & Enhanced --- Engaging Learning Activities --- Modular, Flexible & Comprehensive --- 17 Chapters with Quizzes & Certificates --- Chapters 5 & 10 available in French". To the right of the banner is a graphic showing a news article titled "EVALUATING NEWS MEDIA ARTICLE" and a social media post about "Retrieve the following news media article online" with a URL "http://www.ctvnews.ca/healthcare/damage".

Below the banner, there is a section for "ALL STUDENTS" with a message: "Haven't received your confirmation email? We will automatically confirm your account within 24 hours. Just login later and you will be able to access the e-Resource." Below this message is a horizontal dotted line.

At the bottom, there are three white boxes with rounded corners:

- Informatics e-Resource**: "English and French versions accessed from upper menu bar - English version also accessed below". A button labeled "Version 3 English Here" is circled in red.
- Getting Started and User Guides**: "In progress: User Guides, Getting Started One Pager, and Table of Contents". A button labeled "Here" is present.
- Faculty Workspace**: "Peer Leader Network & Special Interest Group (SIG) - Members Only". A button labeled "Here" is present.

## 2. Selecting a Chapter

- “e-Resource English” takes you to the e-Resource home page where you will see all of the chapters displayed as titles that can be collapsed or expanded.
- Click on a chapter title to reveal the content and activities. You may also click “Open all” or “Close all” to expand or collapse all of the chapters at once.

HOME / MY COURSES / STUDENT E-RESOURCES / VERSION 3

Your progress ?

### Informatics for Pharmacy Students e-Resource

Open all ▶ Close all ▼

- Forward and Acknowledgements ▶
- Editor's Welcome ▶
- Chapter 1: Key Concepts in Informatics and e-Health ▶
- Chapter 2: Electronic Health Records: Components and Standards ▶
- Chapter 3: Privacy, Security, and Confidentiality ▶
- Chapter 4: Clinical Documentation ▶
- Chapter 5: Digital Information Resources ▶
- Chapter 6: Evidence Based Medicine: An Introduction ▶
- Chapter 7: Clinical Practice Guidelines ▶
- Chapter 8: Minor Ailments Virtual Patients ▶
- Chapter 9: Vaccination Schedules, Registries, and Resources ▶
- Chapter 10: Consumer Health Informatics ▶
- Chapter 11: Telehealth and Telepharmacy ▶
- Chapter 12: Pharmacy Practice Management Systems (PPMS) ▶
- Chapter 13: e-Prescribing ▶
- Chapter 14: Order Sets, CPOE, and e-Med Rec ▶
- Chapter 15: Automation for Safety in Medication Distribution ▶
- Chapter 16: Information Management and Technology in Healthcare ▶
- Chapter 17: Optional Chapter: Computers, Networks, and Computational Thinking ▶

### 3. Navigating within a Chapter

- Chapters contain content structured into sections and activities.
- Click on a section or activity link to access the content.

## Chapter 1: Key Concepts in Informatics and e-Health

This chapter provides an introduction to the area of informatics from both an academic and applied perspective. We'll look at some theories and frameworks to provide grounding in the area. Doing so also allows us to appreciate the work of leaders in the area and develop some much needed perspective on technology.

The chapter includes some interesting examples from healthcare, and examines some global influences on how we learn, know and work. We conclude with an exploration of e-Health, the all-encompassing use of technology in healthcare.

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- Section 1: Introduction, Learning Objectives and Competency Indicators
- Section 2: The Field of Informatics
  - Poll: "What Informatics is Not"
  - Debrief
  - Glossary: Pharmacy Informatics
  - Activity: Can you get 5 A's?
- Section 3: Influences and Examples
  - Virtual Patient: M.D's Records
- Section 4: Pharmacy Informatics, Pharmacist's Role and Canadian Issues
  - Virtual Student: Connected D.W.
  - Resource: ASHP Statement on the Pharmacist's Role in Informatics
  - Resource: ASHP Statement on the Pharmacy Technician's Role in Informatics
- Section 5: e-Health Explored
  - Quiz: Key Concepts in Informatics and e-Health
  - Evaluation Survey: Key Concepts in Informatics and e-Health
  - Certificate of Completion: Key Concepts in Informatics and e-Health

- Section content is organized in a book format which displays content on pages and includes a Table of Contents on the left side of the page.
- To navigate through the content, use the navigation arrows on the book pages or use the links in the Table of Contents.

Home e-Resource English e-Resource French You are logged in as Test User (Logout)

**TABLE OF CONTENTS**

- 1 What is Informatics?
- 2 The Emergence of Medical Informatics
- 3 Diagram of Informatics Sub-Categories
- 4 Defining Health Informatics
- 5 Optional Reading
- 6 Careers and Higher Education in Informatics
- 7 Career Frontiers
- 8 Friedman's Fundamental Theorem

SECTION 2

The Field of Informatics

NAVIGATION TIP

Use the **Course Menu** block on the left to navigate through the chapters. Click on the folder icon to expand/collapse a chapter. Click on the links to navigate back to the chapter and through the activities.

HOME / MY DOMAINS / STUDENT E-RESOURCES / VERSION 3 / CHAPTER 1: KEY CONCEPTS IN INFORMATICS AND E-HEALTH / SECTION 2: THE FIELD OF INFORMATICS

### What is Informatics?

We begin with a very general view of informatics.

This image depicts informatics as the intersection of:

- **people** (for example, patients/consumers and healthcare providers)
- **systems** (such as technology)
- **data** (data becomes information which, in turn, becomes knowledge)

**Figure 1:** Informatics exists at the intersection of people, data, and technology. Information is generated from data, and must be learned and interpreted to become knowledge.

#### 4. Course Menu Block

- The Course Menu on the left side of the screen provides additional navigation through activities and content in the e-Resource.
- Clicking on the folder icon beside a chapter within the Course Menu shows links to activities in that chapter. You may also access the activities from the e-Resource home page.



