

Module 1—Consumer Informatics – Development and Definitions- Weeks 1 & 2

OVERVIEW

The focus of this module is to learn about consumer healthcare informatics and the role of the nurse.

TOPICS

Below are the topics covered within this module.

- Definition(s) of Consumer Health Informatics
 - Development of Consumer Health Informatics
 - Demographics and health care needs
 - Health promotion and disease management collaboration
 - Consumer empowerment
 - Contributions of the Office of the National Coordinator (ONC) for Health Information Technology
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OBJECTIVES

After successfully completing Module 1, the student will be able to:

- discuss key factors influencing consumer healthcare informatics; (**MO1.1**)
 - define consumer health informatics; (**MO1.2**)
 - describe the role of the nurse related to consumer healthcare informatics; (**MO1.3**)
 - compare trends in consumer use and access to healthcare information; and (**MO1.4**)
 - use a blog to chronicle learning. (**MO1.5**)
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STUDY MATERIALS

The following are study materials for this module:

Readings

- Lewis, et al. (2005), Chapters 1 & 2

Other Module Materials

- [Acoolsoft PPT to Video](#)
 - [American Medical Informatics Association. \(2012\). Consumer health informatics.](#)
 - [Campbell, R.J. \(2005\). Consumer informatics: Elderly persons and the internet..](#)
 - [Eysenbach, G. \(2008\). Consumer health informatics \[PowerPoint slides\].](#)
 - [Fox, S. \(2009\). Trends: The social life of health information.](#)
 - [Google Blogger - Getting Started Guide](#)
 - [KruResearch. \(2009\). e-patient revolution \[Video\].](#)
 - [Leawo PowerPoint to Video Converter](#)
 - [Leawo User Guide.](#)
 - [LeawoVideo Converter for Mac.](#)
 - [Pioneerwif. \(2010\). The coming revolution data-driven, patient-centered health care \[Video\].](#)
 - [Health IT for You Video](#)
(<http://www.healthit.gov/patients-families/video/health-it-you-giving-you-access-your-medical-records>)
 - [NeHC Stakeholder Survey Results \(2012\)](#)
 - [USGOVHHS. \(2012\). The Office for the National Coordinator of Health Information Technology. ONC's strategy for engaging consumers - 2012 consumer health IT summit \[Video\].](#)
 - [YouTube™ Account Creation](#)
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ACTIVITIES

Module 1 has **three** activities. Please consult the Course Calendar for the due dates.

Introductions Forum: Week 1

Our first discussion activity is titled "Introductions/[Your Name]." It enables us to become familiar with the operation of the class **Discussion Board**, which we'll use regularly throughout the course.

In the Introductions forum on the class **Discussion Board**, start a discussion thread titled

"Introductions/[Your Name]." In your posting, please address any of the following topics or anything about yourself that you would like to share with the class so that we can get to know you better.

- Personal Demographics - Place of employment (city, state), work title
- Description of your career goal
- Your reasons for taking this course
- Your interest in nursing informatics
- Your background in general
- Your experience with online learning
- Your expectations from this course

Note: The Introductions Forum is not graded but is required.

Written Assignment 1 - Week 1

Consumer Assessment - Part 1: Interview Schedule and Data Collection

Purpose and Overview

The purpose of this assignment is for students to:

- develop an interview protocol for collecting data about how consumers use the Internet and related tools to obtain health information and support;
- collect data from 10 consumers (not healthcare professionals);
- compare collected consumer data to data **reviewed** from similar studies; and
- present data using appropriate tools.

Directions

- Review the Campbell article Consumer Informatics: [Elderly Persons and the Internet](#).
- Develop a set of interview questions to address categories of information listed in Table 2 and Table 3 of the Campbell article.
- Conduct interviews with a convenience sample of 10 health care consumers who are not health care professionals (e.g., family, friends, neighbors).
- Analyze the results of your interviews. What did you find out from the interviews?
- In an MS Word document, list the interview questions you constructed, your rationale for the questions, your analysis of the interview data, and a statement of what you learned.
- Submit your document using the **Submission** link.

Note: These directions and the grading rubric (See the **Evaluation Rubrics** area of the course) for this assignment will be used to evaluate and grade your assignment. Please refer to the details of each when preparing your assignment.

The Course Blog

In order to enable students to share and critique **Written Assignments** in the course, each student will establish a blog.

- Create a blog on Blogger if you do not have a Blogger blog.
 - The online “[Getting Started Guide](http://support.google.com/blogger/bin/answer.py?hl=en&answer=1623800)” should be helpful (<http://support.google.com/blogger/bin/answer.py?hl=en&answer=1623800>)
 - Consult the **Help Forum** of the online course **Discussion Board** for technical assistance with creating and configuring your blog, if necessary. Set your blog to private.
- Invite your classmates and mentor to your blog.
- After you complete **Written Assignment #1**, do the following:
 - Post your interview questions on your blog.
 - Add comments to your blog about what you learned from the interviews and the data analysis.
 - Post comments on the blogs of at least two other students about their written assignment and/or their evaluation of their learning from the written assignment.

Written Assignment 2 - Week 2

Consumer Assessment - Part 2: Produce a Video Regarding Consumer Data

Purpose and Overview

The purpose of this assignment is for students to:

- compare data they collected from their interviews to data read/reviewed in similar studies; and
- present the data using appropriate tools.

Directions

- Analyze and/or tabulate data you collected using the interview protocol/schedule in **Written Assignment #1**. (What was the distribution of responses to the interview questions?)
- View the [e-Patient revolution video](#).
- View the [Social Life of Health Information video](#).
- View the [Health IT for You Video](#).
- Review [Highlights from the National eHealth Collaborative Shares Results Of 2012 Stakeholder Survey](#)
- Pay attention to facts, information, and/or data presented in the videos and survey results.
- Compare data from **your interviews** to data/information from the **videos and NeHC survey** results.
- Summarize similarities and differences you identified among your interview data and data presented in the other information resources you reviewed.
- Choose **one of the two** following options to produce either a movie **or** video to display the summary of comparisons among data you collected with data presented in the other information resources you used regarding consumer use of health information. Include **Graphics** in the movie or video.

- **Option 1**
 - Summarize similarities and differences between your data and data presented in other information resources in a MS PowerPoint™ multimedia presentation of between 10 and 15 slides.
 - Convert the PowerPoint presentation to a movie format using a free converter program such as [Acoolsoft PPT to Video](#) or [Leawo PowerPoint to Video Converter](#).
 - **Note:**
 - The [Leawo User Guide](#).
 - There is a [LeawoVideo Converter for Mac](#)
- **Option 2**
 - Produce a video presentation, running between five and eight minutes, using a webcam.
- **Create** a [YouTube™ Account](#).
- **Upload** the video or movie you created to your [YouTube™ Account](#).
- Submit your Video/Movie using the **Submissions** link.

Note: These directions and the grading rubric (See the **Evaluation Rubrics** area of the course) for this assignment will be used to evaluate and grade your assignment. Please refer to the details of each when preparing your assignment.

Blog Activity

- Post on your blog the YouTube link to the video or movie you created.
- Post comments on your blog about what you learned from the activity.
- Post comments on the blogs of at least two other students about their YouTube display and/or their evaluation of their learning from the activity.