

**P.A.T.C.H. Assessment Scale v.2**  
**Pretest for Attitudes Toward Computers in Healthcare**  
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**Directions:**

Each indicator is to be rated using a five point Likert scale.  
 Choose the response that reflects your attitude for each statement.

**SCALE:**

1. Agree Strongly	2. Agree	3. Not certain	4. Disagree	5. Disagree Strongly
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1. The computer is a powerful enabling tool.
2. In healthcare, computers could save a lot of paperwork.
3. Machines and I don't mix.
4. I feel I am a skilled typist.
5. I feel alarmed when I think of using a computer.
6. I have excellent finger dexterity.
7. I regularly use a computer at home.
8. I would love to be a proficient user of computers.
9. Bedside computers will irritate patients.
10. I will never feel relaxed about using a computer.
11. Computers can help me to be creative.
12. I would enjoy learning course work using a computer program.
13. Computers are frustrating to use.
14. Listening to people using computer jargon intimidates me.
15. Computers will someday put health professionals out of a job.
16. I am in control when I use a computer.
17. I relate well to technology and machines.
18. I feel confident that I can master using a computer.
19. I can let my creativity flow when writing using a computer.
20. Computers in healthcare will create more work for nurses.
21. Computers can be great problem-solving tools.
22. Computers are too complicated for me to learn well.
23. Computers are impersonal and dehumanizing.
24. The future promise of computers in healthcare excites me.
25. I feel restless and confused when I think of using a computer.
26. I don't intend to own a home computer.
27. I feel a computer course in nursing is totally unnecessary.
28. People who like computers are introverted and antisocial.
29. I know more about computers than most faculty or administrators do.
30. Working with computers is boring and tedious.
31. I can easily master the content of a computer lesson.
32. I feel ambivalent about computers and technology.

- 33. Computers are everywhere, it is natural for them to be used in healthcare.
- 34. I like to use the Internet to research health and nursing information.
- 35. It takes longer to chart on the computer than on paper.
- 36. I enjoy using technology to communicate with colleagues (email, etc.)
- 37. Computers help me to keep up to date with nursing issues, knowledge, research.
- 38. Computers are just another object that takes me away from my patients.
- 39. I resent the thought of having to use computers in my nursing practice.
- 40. Using technology in practice interferes with my ability to be caring to my patients.

P.A.T.C.H. Assessment Scale Scoring

A. For the following Statements, use the scoring scheme in the first table box to find your score for each.

Rating Chosen	Give Yourself these many points
1	1
2	0.5
3	0
4	-0.5
5	-1

Use the above scoring scheme to assess your score for each of these statements:

1 \_\_\_\_\_ 2 \_\_\_\_\_ 4 \_\_\_\_\_ 6 \_\_\_\_\_ 7 \_\_\_\_\_ 8 \_\_\_\_\_ 11 \_\_\_\_\_ 12 \_\_\_\_\_  
 16 \_\_\_\_\_ 17 \_\_\_\_\_ 18 \_\_\_\_\_ 19 \_\_\_\_\_ 21 \_\_\_\_\_ 24 \_\_\_\_\_ 29 \_\_\_\_\_ 31 \_\_\_\_\_  
 33 \_\_\_\_\_ 34 \_\_\_\_\_ 36 \_\_\_\_\_ 37 \_\_\_\_\_

Now add these up to find Subtotal A: = \_\_\_\_\_

B. For the remainder of the statements, use the following rating scheme.

Rating Chosen	Give Yourself these many points
5	1
4	0.5
3	0
2	-0.5
1	-1

Use the second scoring scheme (above) to assess your score for each of these statements:

3 \_\_\_\_\_ 5 \_\_\_\_\_ 9 \_\_\_\_\_ 10 \_\_\_\_\_ 13 \_\_\_\_\_ 14 \_\_\_\_\_ 15 \_\_\_\_\_ 20 \_\_\_\_\_

22 \_\_\_\_\_ 23 \_\_\_\_\_ 25 \_\_\_\_\_ 26 \_\_\_\_\_ 27 \_\_\_\_\_ 28 \_\_\_\_\_ 30 \_\_\_\_\_ 32 \_\_\_\_\_

35 \_\_\_\_\_ 38 \_\_\_\_\_ 39 \_\_\_\_\_ 40 \_\_\_\_\_

Now add these up to find Subtotal B: = \_\_\_\_\_

Grand Total: Add Subtotals A and B: = \_\_\_\_\_

Now turn to next page for an interpretation of your score.

**P.A.T.C.H. Assessment Scale Score Interpretations**  
**Find the Range that contains the Score You Achieved on the P.A.T.C.H. Scale**

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<http://nursing-informatics.com/niassess/index.html>

-28 to - 40 points	Positive indication of Cyberphobia. Beginner stage in experience with computer basics or applications. Ambivalence or anxiety may occur, related to the use of computers in healthcare. May appreciate help learning basic computer skills.
-27 to -15 points	Indicates some uneasiness about using computers. Very basic knowledge of computer basics and applications. Unsure of usefulness of computers in healthcare.
-16 to -4 points	Moderate comfort in using computers. Has basic knowledge of computers and applications. Limited awareness of applications of computer technology in healthcare.
-3 to 12 points	Feels comfortable using user-friendly computer applications. Aware of the usefulness of computers in a variety of settings. Has a realistic view of current computer capabilities in healthcare.
13 to 26 points	Confident of ability to use a variety of computer programs. Sees computers as beneficial in the development of society. Enthusiastic view of the potential of computer use in healthcare.
27 to 40 points	Very confident that they can learn to use a computer to boost creativity, and perform routine functions. Recognizes the unique value of using information technology in society. Idealistic, positive view related to computer applications in healthcare.

## Nursing Informatics Competencies: Part A

Each nurse has a unique level of computer literacy in the various computer applications available. Take a few minutes now to assess your level of computer literacy.

### Rating Scale:

- A. No experience, Novice
- B. Some experience, Advanced Beginner
- C. Comfortable user, Competent
- D. Skilled User, Proficient

### Computer Application

- |                                  |   |
|----------------------------------|---|
| 1. Word Processing _____         | 10. Nursing Information Systems _____       |
| 2. Graphic programs _____        | 11. Hospital Information System (HIS) _____ |
| 3. Databases _____               | 12. Website Design _____                    |
| 4. Spreadsheets _____            | 13. Multimedia Design _____                 |
| 5. Educational Software _____    | 14. Discussion Forums _____                 |
| 6. Internet: WEB _____           | 15. Chat Rooms _____                        |
| 7. E-Mail _____                  | 16. Internet Radio/Video _____              |
| 8. PowerPoint _____              | 17. Virtual Simulations _____               |
| 9. Expert Decision Systems _____ | 18. Telecommunication Devices _____         |

### Nursing Informatics Plan of Action: Part B

Type out a plan of action to help develop your desired level of computer literacy in the following applications. You do not need to include all of these – focus on the ones that interest YOU.

APPLICATIONS	PLAN OF ACTION
Word Processing	
Graphic Programs	
Databases	
Spreadsheets	
Educational Software	
World Wide Web	
E-mail	
Discussion Mailing Lists	
Chat Rooms, Forums	
Web site Design	

Nursing Information Systems (NIS)	
Multimedia Design	
Research Software	
Webcasting	
Virtual Reality, Simulation	
Internet Radio/Video/TV	
E-learning	
PDA, Palmtops	
Digital Camera and Photo Manipulation	
Flash Animation	
Keeping current with Nursing Informatics Trends	

## **NURSING INFORMATICS COMPETENCIES GOALS**

In the space below, write out five goals for yourself, related to learning Nursing Informatics theory and application. Try to make these fairly short-term, i.e. within the next five years.

1.

2.

3.

4.

5.

