

Nursing Informatics Competencies: Self Assessment for Nurses

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by

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Presentation Outline

- **Target group:** Practicing Nurses
- **Target outcome:** Provide tools for self assessment
- **Focus** on Nursing Informatics Competencies
- Identified three levels of Competency development: - **User, Modifier, Innovator**
- Identified three Competency categories – **Technical, Utility, Leadership**
- **P.A.T.C.H.** Pretest for Attitudes towards computers in healthcare online
- Self Tests, Tutorials, Personal Learning Plan

Rationale

- Practicing Nurses represent a large population for informatics competency development
- Difficult group to target in a standardized manner
- Who is responsible for competency development?
- This site was created to aid nurses in Self Assessment of their own competencies
- Secondary Goal: to support nurses in developing a personal learning plan to address their perceived learning needs in regards to Competency development
- Tools can be used by individual nurses globally
- To date, site offers self tests, tutorials, personal plan, and online P.A.T.C.H. Scale assessment
- Future plans: webcasts, multimedia enrichment, standardized Competency assessment tool

Technical

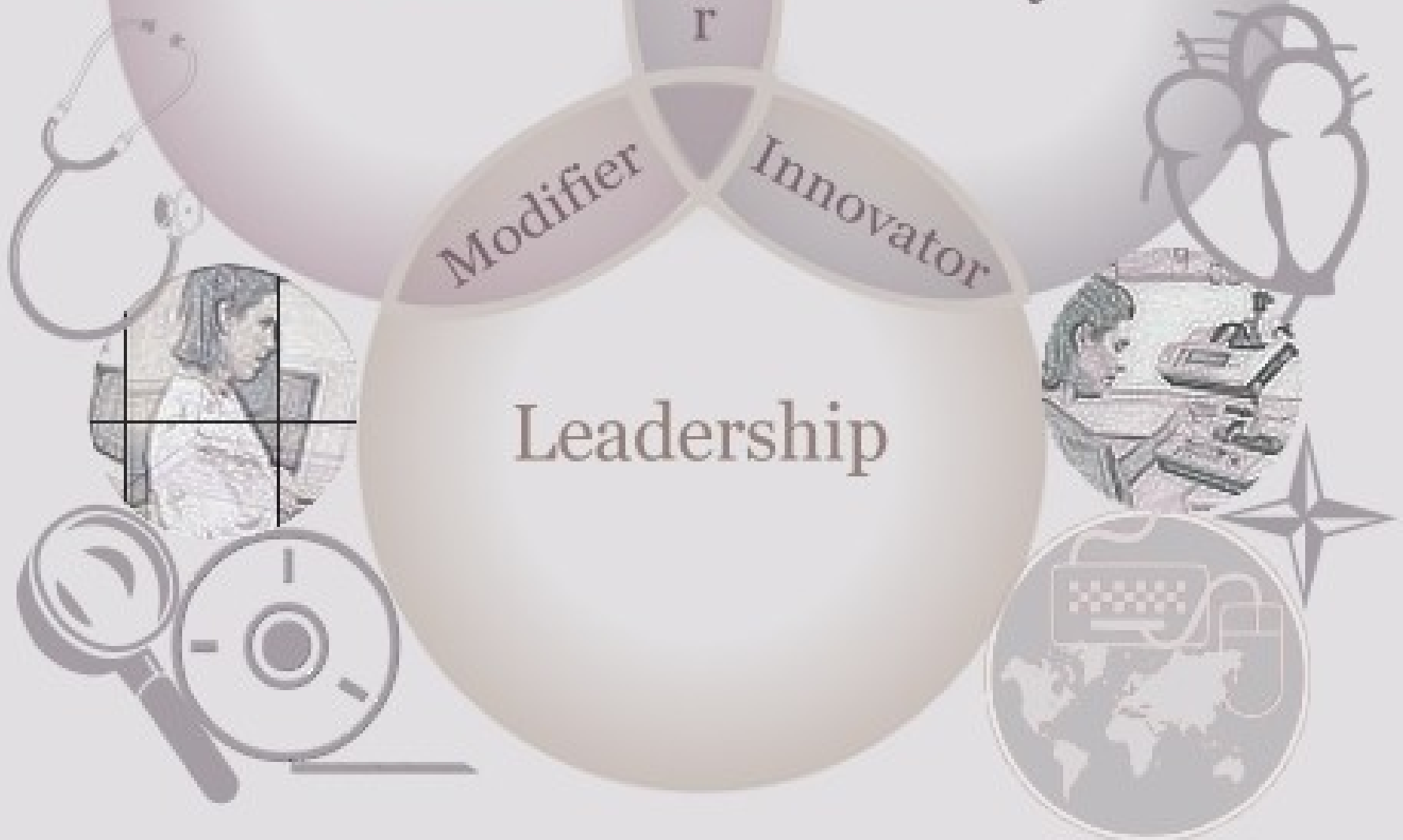
Utility

User

Modifier

Innovator

Leadership



TECHNICAL COMPETENCIES

Technical competencies are related to the actual psychomotor use of computers and other technological equipment. Specific nursing informatics competencies include the ability to use selected applications in a comfortable and knowledgeable way. It is important that nurses feel confident in their use of computers and software in the practice setting, especially at the bedside, in order to be able to attend to the client at the same time.

TECHNICAL COMPETENCIES

- * Word processing
- * Keyboarding
- * Spreadsheets
- * Presentation Graphics
- * Databases
- * Desktop Publishing
- * Peripherals (printers, CD-ROMS, DVD)
- * World Wide Web
- * E-mail programs
- * Expert data systems
- * Multimedia
- * Telecommunication devices
- * Nursing inform systems
- * Hospital inform system

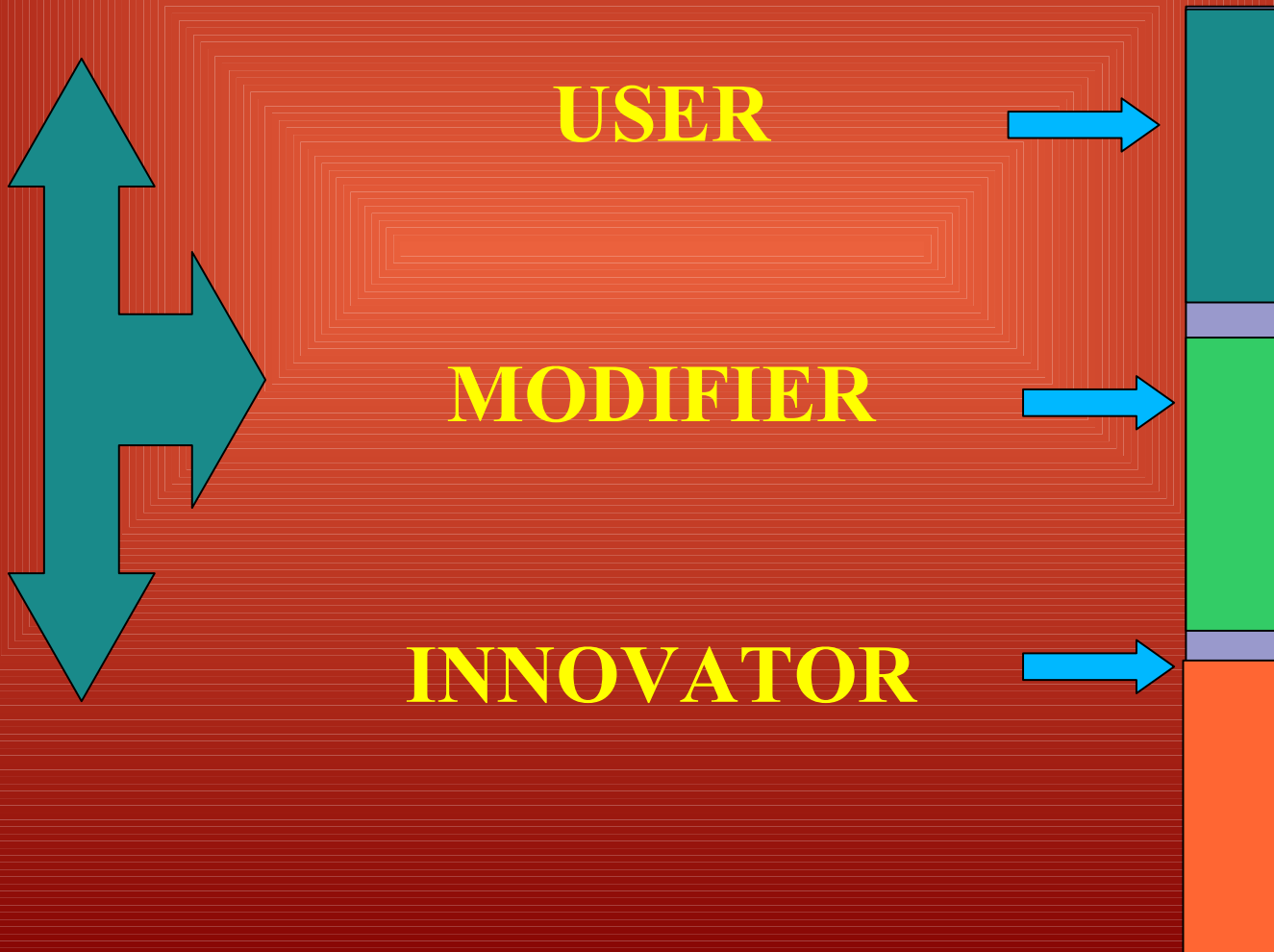
UTILITY COMPETENCIES

Utility competencies are related to the process of using computers and other technological equipment within nursing practice, education, research and administration. Specific nursing informatics competencies include the process of applying evidenced based practice, critical thinking, and accountability in the use of selected applications in a comfortable and knowledgeable way.

LEADERSHIP COMPETENCIES

Leadership competencies are related to the ethical and management issues related to using computers and other technological equipment within nursing practice, education, research and administration. Specific nursing informatics competencies include the process of applying accountability, client privacy and confidentiality and quality assurance in documentation in the use of selected applications in a comfortable and knowledgeable way.

EXPERTISE CONTINUUM



User Level Competencies



- Minimum core standard for all Nurses
- Comfortable with basic applications, NIS, HIS, ergonomics, privacy issues, email, Internet, networks
- Aware of impact of technology on clients, client rights, Ethics.

Modifier Level Competencies



- Mastered basic skills, uses technology in inventive ways
- Applies NI in EBP, decisions, research
- Evaluates E-health
- Coordinates NIS
- “Champion” of NI

Innovator Level Competencies



- Expert NI design skills & knowledge
- Plan, design, manage
- Innovates new ways to work with & think about NI, inspires
- Develops NI initiatives eg C-HOBIC
- Advances NI field

Assessment Tools



- **Self Tests** – automatic scoring, reflection
- **Tutorials** – web based, target 3 competency areas
- **P.A.T.C.H.** - online assessment of comfort with computers
- **Personal Plan**

VISIT THE SITE



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

