

Nursing Informatics: Scope and Standards of Practice Second Edition

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Objectives

- Identify 2 future trends in Nursing Informatics in clinical, academic, and administrative settings
- Describe 2 facts about the history of the US nursing informatics scope and standards of practice
- Identify 2 NI standards of practice and professional performance
- Describe workgroup process and why I said yes



July 26, 2011 Call for Nominations for ANA Scope and Standards Revision

“Each workgroup member is expected to meet at least monthly for a two-hour conference call, participate in additional small group telephone discussion sessions as needed, and possibly complete small writing assignments. The work effort includes significant thoughtful discussions and is projected to last from **12-18 months.**”



The Workgroup



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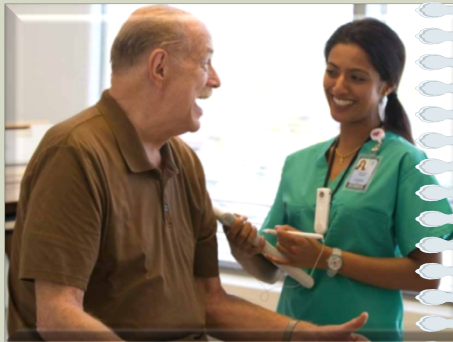
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The Revision Process – 5 year cycle



Nursing Informatics: Connecting People to Healthcare



Nursing Informatics



Clinical Applications



mHealth



Product Development



Education/Research



Quality Reporting

But Change is Difficult....



Model of Professional Nursing Practice Regulation



2014 Definition of Nursing Informatics

- Nursing informatics (NI) is the specialty that integrates nursing science with multiple information management and analytical sciences to identify, define, manage, and communicate data, information, knowledge, and wisdom in nursing practice.
- NI supports nurses, consumers, patients, the interprofessional healthcare team, and other stakeholders in their decision-making in all roles and settings to achieve desired outcomes. This support is accomplished through the use of information structures, information processes, and information technology.

Scope of Practice Statement

- Addresses Who, What, When, Where, How, Why, and Functional Roles
 - Clinical nurse – need for informatics competencies addressed
 - Informatics Nurse (IN) – experience based
 - Informatics Nurse Specialist (INS) – graduate level preparation
 - Enumeration of NI competencies sources
 - Brief descriptions of diverse functional roles

Clinician
Advanced Practice



Doctorate⁵

Leads the design, selection and evaluation of healthcare ICT systems that promote effective and ethical use of patient information.²
Uses informatics in research and report writing.

Masters⁴

Analyze healthcare information and communication technology strategies to reduce risks, improve care delivery, change policy, while providing oversight and guidance in the integration of technology in practice²

Entry-Level³

Information Literacy Competencies¹

Information Management Competencies¹

Basic Computer Competencies¹

Informatics Nurse Specialist

Informatics Nurse



Informatics Specialty

¹ Defined by TIGER (Technology Informatics Guiding Education Reform)

² AACN Essential for Graduate Education #5

³ Diploma, ADN/ASN, BSN, Second Degree BSN, Pre-licensure Masters

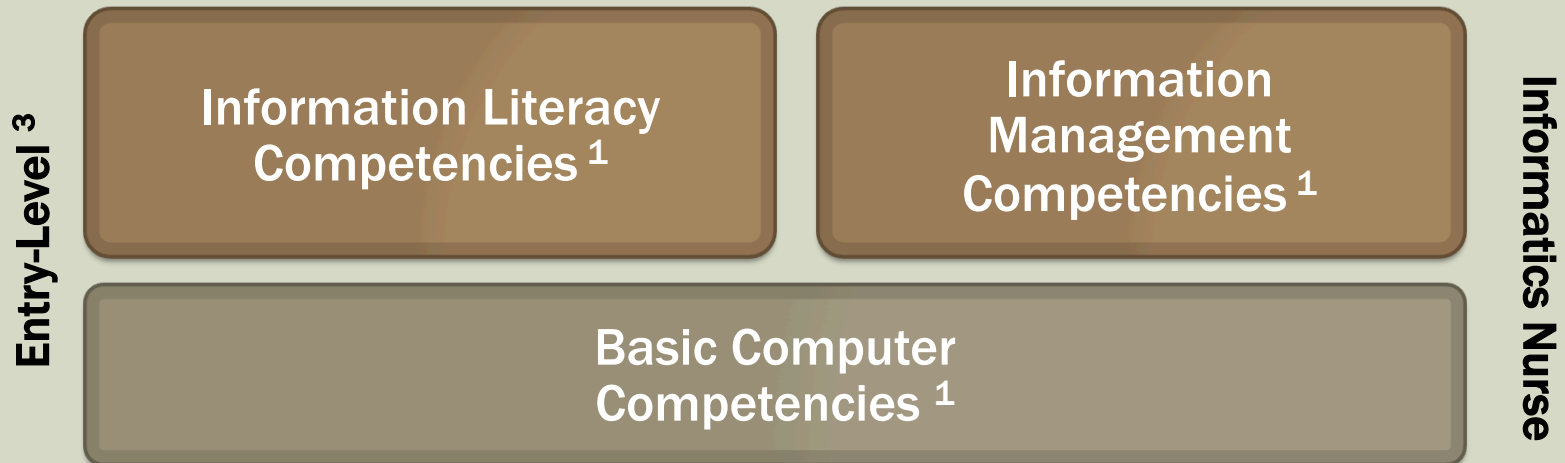
⁴ MSN-Informatics, Master with Post Masters Certification in Informatics Nursing

⁵ PhD, DNP or other doctorate

Informatics Nurse – interested and Involved

Applied Job Titles:

- Super User
- Trainer/Educator
- Systems Analyst
- Support Analyst
- Systems Administrator
- IT Training Manager
- Project Manager
- Project Leader



Informatics Nurse Specialist

Expert/Liaison Job Titles:

- Informatics Coordinator/Director in research, education, or clinical process improvement
- Chief Nursing Informatics Officer

Doctorate⁵

Leads the design, selection and evaluation of healthcare ICT systems that promote effective and ethical use of patient information.²
Uses informatics in research and report writing.

Masters⁴

Analyze healthcare information and communication technology strategies to reduce risks, improve care delivery, change policy, while providing oversight and guidance in the integration of technology in practice²

Informatics Nurse Specialist

Standards of NI Practice



Standards of NI Practice

Standards of Practice

■ Standard 1. Assessment

- The informatics nurse collects comprehensive data, information, and emerging evidence.

■ Standard 2. Diagnosis, Problems, and Issues Identification

- The informatics nurse analyzes assessment data to identify diagnoses, problems, needs, issues, and opportunities for improvement.

Standards of NI Practice

Standards of Practice

■ Standard 3. Outcomes Identification

- The informatics nurse identifies expected outcomes for a plan individualized to the healthcare consumer or the situation.

■ Standard 4. Planning

- The informatics nurse develops a plan that prescribes strategies, alternatives, and recommendations to attain expected outcomes.

Standards of NI Practice

Standards of Practice

■ Standard 5. Implementation

- The informatics nurse implements the identified plan.

■ Standard 5A. Coordination of Activities

- The informatics nurse coordinates planned activities.

Standards of NI Practice

Standards of Practice

- **Standard 5B. Health Teaching and Health Promotion**
 - The informatics nurse employs informatics solutions and strategies for education and teaching to promote health and a safe environment.

Standards of NI Practice

Standards of Practice

■ Standard 5C. Consultation

- The informatics nurse provides consultation to influence the identified plan, enhance the abilities of others, and effect change.

■ Standard 6. Evaluation

- The informatics nurse evaluates progress toward attainment of outcomes.

Standards of NI Practice

- **Standards of Professional Performance**
- **Standard 7. Ethics**
- **The informatics nurse practices ethically.**

- **Standard 8. Education**
- **The informatics nurse attains knowledge and competence that reflect current nursing and informatics practice.**

Standards of NI Practice

- **Standards of Professional Performance**
- **Standard 9. Evidence-Based Practice and Research**
 - The informatics nurse integrates evidence and research findings into practice.
- **Standard 10. Quality of Practice**
 - The informatics nurse contributes to quality and effectiveness of nursing and informatics practice.

Standards of NI Practice

- **Standards of Professional Performance**
- **Standard 11. Communication**
 - The informatics nurse communicates effectively in a variety of formats in all areas of practice.
- **Standard 12. Leadership**
 - The informatics nurse demonstrates leadership in the professional practice setting and the profession.

Standards of NI Practice

Standards of Professional Performance

■ Standard 13. Collaboration

- The informatics nurse collaborates with the healthcare consumer, family and others in the conduct of nursing and informatics practice.

■ Standard 14. Professional Practice Evaluation

- The informatics nurse evaluates their own nursing practice in relation to professional practice standards and guidelines, relevant statutes, rules, and regulations.

Standards of NI Practice

Standards of Professional Performance

■ Standard 15. Resource Utilization

- The informatics nurse employs appropriate resources to plan and implement nursing informatics and associated services that are safe, effective, and fiscally responsible.

■ Standard 16. Environmental Health

- The informatics nurse supports practice in a safe and healthy environment.

NI Standards of Practice

■ Focus Shift

- Performance
- Problem and issues identification
- Program management
- Evidence-based methodology
- Integration of technology into practice
- eHealth and mHealth promotion
- Consumer engagement



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Thank you for the gift of your time!

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