



Update on New *Nursing Informatics: Scope and Standards of Practice, Third Edition*

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SINI 2021
July 16, 2021
Session 4C

Nursing Informatics: Scope and Standards of Practice, Third Edition

- Workgroup of NI experts began deliberations reviewing and revising existing second edition on January 10, 2019, ending on June 17, 2021
- Whole group met via 1-2 virtual conference call meetings/month + additional small group work activities
- 27 dedicated members hailed from AZ, CA, CO, FL, KS, MA, MD, MN, NC, NH, TN, TX, VA, WV
- Draft document development time prolonged by COVID 19 impact on personal and professional lives

Development Process

- Volunteer workgroup members engaged in significant thought work, professional discussion, and consensus decision making
- Resultant “good enough for public comment” document posted for public comment for 30-days
- Every submitted comment was reviewed and deemed persuasive/not persuasive for integration in final draft
- Draft document submitted for initial review by ANA’s Committee on Nursing Practice Standards, revisions may be recommended
- Final review and approval by ANA’s Board of Directors is followed by the 3-4 month publication process

Draft Document Posted for Public Comment

January 25 – February 26, 2021

- Announcements distributed via Nursingworld.org, ANA social media outlets, all ANA state nurses associations and organizational affiliates, ANI (Alliance for Nursing Informatics)
- Workgroup members shared with their networks
- Faculty assigned review and comments' submission to students
- Over 70 individuals/organizations/faculty groups compiled and submitted responses – 100 pages of single line text content

Scope and Standards Document Includes:

- Scope of Practice Statement
 - Describes who, what, when, where, how, and why
 - Addresses ethics, including 9 provisions of *Code of Ethics for Nurses With Interpretive Statements*
 - Includes future trends and issues section
- Standards of NI Practice and Accompanying Competencies
 - Standards of Practice (1-6) – nursing process
 - Standards of Professional Performance (7-17) address competent level of behavior in the professional role

Proposed Nursing Informatics Definition

Nursing informatics is the specialty that supports nurses, patients, healthcare consumers, and other stakeholders in their decision-making to achieve desired outcomes through the identification, management, and communication of data, information, knowledge, and wisdom via the use of information structures, processes, and technologies.

(01-20-2021)

Selected Public Comments

- “Support focus while important is not concise and the attempt to define informatics conceptually is lost in support rhetoric redundancy”
- “Addresses the basic tenets of the nursing specialty area, it seems verbose and becomes vague at the end”
- “Definition is confusing as it does not provide a simple description of what nurse informatics is or what someone in nurse informatics does”
- “Can be taken that NI serves as a support role just as a CNA serves as an important support role for professional RN”
- “Does not provide a clear, concise statement of what nursing informatics is. (It is too wordy)”

Created New Nursing Informatics Definition

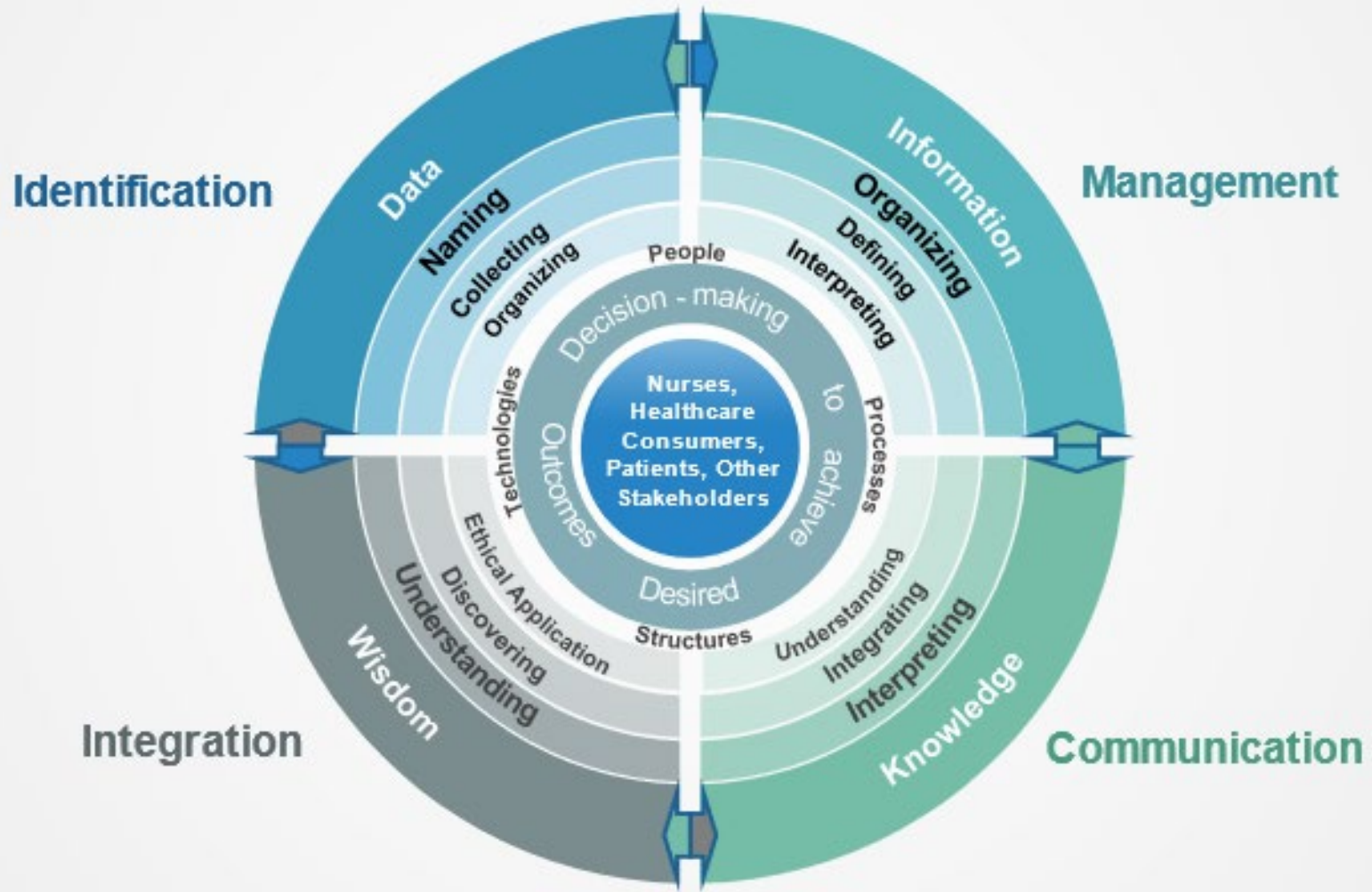
The nursing informatics specialty transforms data into needed information and leverages technologies to improve health and healthcare equity, safety, quality, and outcomes.

[Begins to answer the “what” question.]

Scope Statement Describes Key Concepts

- Data, information, knowledge, wisdom (DIKW)
- Brief Wisdom in Action discussion
- Clinical decision support and expert systems
- Big data, data lakes, analytics – data scientists as key partners
- Artificial/augmented intelligence, machine learning, natural language processing, and deep learning
- Forecasting and predictive analytics
- User experience (UX) – “forgotten child”

Informatics Nursing Specialty



Who Are We?

Informatics nurse (IN) – A registered nurse with an interest or experience in an informatics field, most often nursing informatics.

Informatics nurse specialist (INS) – A registered nurse with formal graduate education in informatics. The INS is expected to have experience in informatics projects or processes and achieved and maintains applicable certifications.

Informatics Nurses Provide Value In:

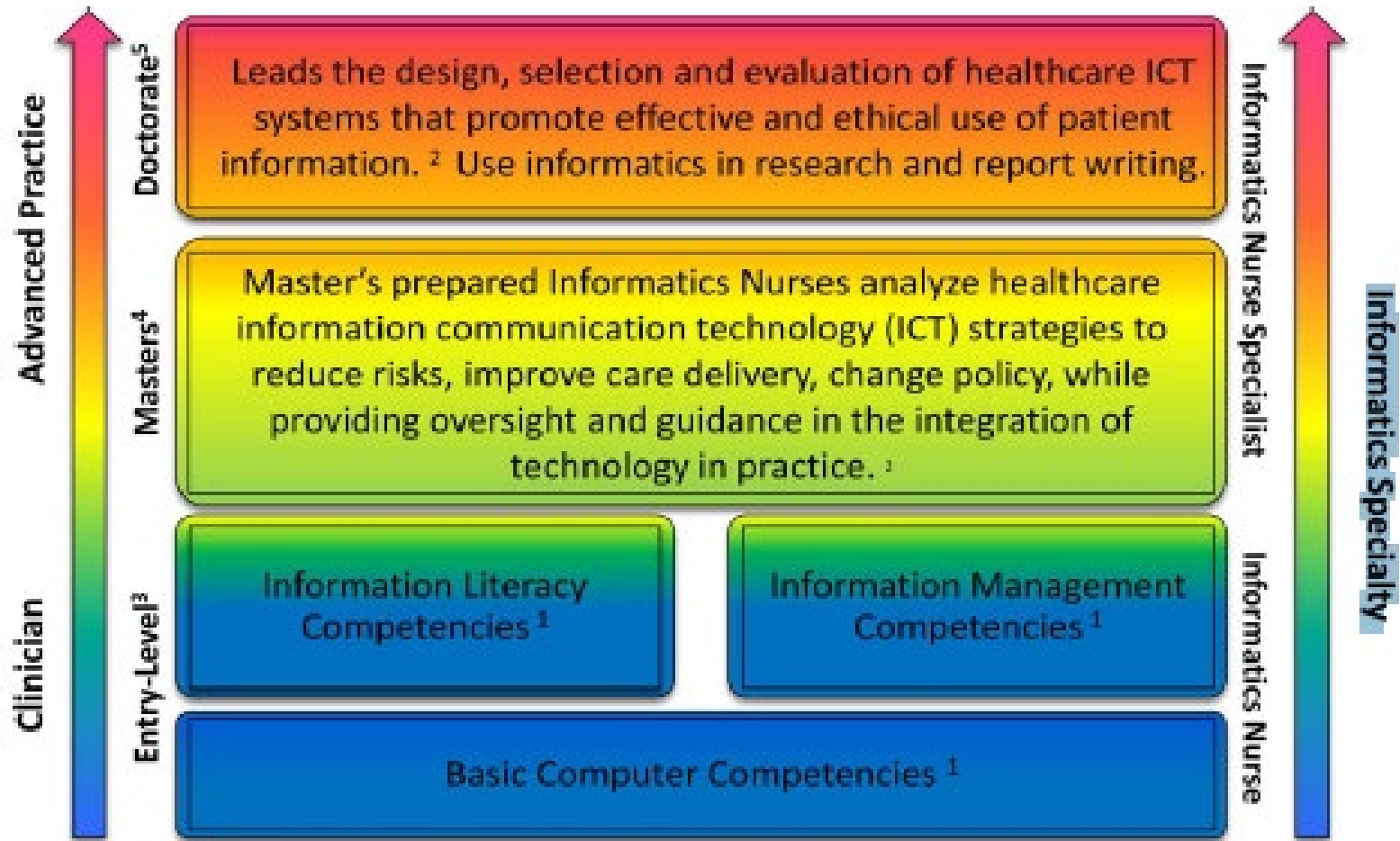
- Unique combination of nursing and informatics practice expertise
- Expert understanding of healthcare delivery and operational flow
- Data, information, and knowledge management for individuals and populations
- Informatics leadership and organizational strategy
- Healthcare policy influence
- Scientific research and discovery
- Integration of sociotechnical framework
- Education/learning across the spectrum of healthcare systems

Professional Practice Areas - Sky's the Limit

(Need Project Management KSAs)

- Management, Administration, and Leadership
- Clinical Informatics
- Data Management and Analytics
- Patient Safety and Quality
- Research and Evaluation
- Compliance and Integrity Management
- Coordination, Consultation, Facilitation, and Integration

Informatics Competencies for All RNs



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, Masters w/PMC in Informatics Nursing

⁵ DNP, PhD

Innovation Characterizes the Future

- Evolving roles
- Informatics competencies for all – AACN's new Essentials, NCSBN new competencies based NCLEX-RN
- Integrating rapidly evolving technological advances – including internet of things and healthcare consumer products
- New and emerging federal regulations and foci

Standards of Nursing Informatics Practice*

Standards of Practice

Standard 1 Assessment

Standard 2 Diagnosis, Problems, and Issues
Identification

Standard 3 Outcomes Identification

Standard 4 Planning

Standard 5 Implementation

Standard 5A Coordination of Activities

Standard 5B Health Teaching and Health
Promotion

Standard 6 Evaluation

Standards of Professional Performance

Standard 7 Ethics

Standard 8 Culturally Congruent Practice

Standard 9 Communication

Standard 10 Collaboration

Standard 11 Leadership

Standard 12 Education

Standard 13 Evidence-based Practice and Research

Standard 14 Quality of Practice

Standard 15 Professional Practice Evaluation

Standard 16 Resource Utilization

Standard 17 Environmental Health

*Modeled from template language of 2015 *Nursing: Scope and Standards of Practice, Third Edition*

Next Steps

- Document review by ANA's Committee on Nursing Practice Standards
- Review and approval of scope statement and acknowledgment of standards by ANA's Board of Directors
- ANA publication by end of 2021

Your Opportunities for Action and Influence

- Engage in helping implement NI competencies for all nurses in academia, professional development, and practice
- Contribute to refinement of general NI competencies for graduate level education and practice and those additional competencies requisite for NI specialty preparation
- Begin preparations for next edition of NI scope and standards as revision will be needed before 2026

Time for Questions

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