



ANI Innovator Profiles

American Medical Informatics Association (AMIA)

Interview with Patricia Dykes DNSc, RN, FAAN, FACMI

Chair, American Medical Informatics Association (AMIA) Nursing Informatics Working Group (NIWG)

<http://www.amia.org/programs/working-groups/nursing-informatics>

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Ex-Officio Chair, Alliance for Nursing Informatics (ANI)

www.allianceni.org

The Alliance for Nursing Informatics (ANI) is a collaboration of organizations that represents more than 5,000 nurse informaticists and brings together 30 distinct nursing informatics groups globally.

Mission: To advance NI leadership, practice, education, policy and research through a unified voice of nursing informatics organizations

Vision: Transform health and health care through nursing informatics and innovation

ANI Innovator Profiles Program

The purpose of this program is to capture an ANI Innovator Profile for each ANI member organization to increase awareness and visibility, and to describe their contribution towards a unified voice for nursing informatics.

ANI Innovator Profile – AMIA NIWG

NIWG is the Nursing Informatics Working Group of the American Medical Informatics Association. Core to our mission is the belief that the application of nursing informatics knowledge is empowering for all healthcare practitioners in achieving patient centered care. AMIA NIWG members work as developers of communication and information technologies, educators, researchers, chief nursing officers, chief information officers, software engineers, implementation consultants, policy developers, and business owners, to advance healthcare. Core areas of our work include:

- Concept representation and standards to support evidence-based practice, research, and education
- Data and communication standards to build an interoperable national data infrastructure
- Research methodologies to disseminate new knowledge into practice
- Information presentation and retrieval approaches to support safe patient centered care
- Information and communication technologies to address interprofessional work flow needs across all care venues
- Vision and management for the development, design, and implementation of communication and information technology
- Definition of healthcare policy to advance the public's health

Interview with Patricia Dykes

1. What is the primary mission of AMIA NIWG?

The primary mission of AMIA NIWG is to promote the advancement of nursing informatics within the larger interdisciplinary context of health informatics. The organization and its members pursue this goal in many arenas: professional practice, education, research, governmental and other service, professional organizations, and industry. The Working Group represents the interests of nursing informatics for its members and AMIA through member services and outreach functions, provides official representation to IMIA-NI and liaises to other national and international groups.

2. How many members do you currently have?

We currently have over 400 members.

3. What projects is AMIA NIWG working on to advance informatics and innovation in healthcare?

AMIA NIWG members are leaders in the field of nursing and health care informatics. The work of AMIA NIWG is organized around a committee structure to ensure that the AMIA NIWG mission and vision are linked with specific actions. Each NIWG committee has a set of deliverables that move us closer to our vision. A few examples are included below:

- **The AMIA NIWG Events Committee** works to ensure that nursing informatics is front and center at the AMIA Annual Symposium. This Committee plans educational sessions (tutorial, panels), solicits paper and panel submissions with nurse first authors. Moreover, the AMIA NIWG Events Committee plans the annual Sunday Networking Event at the AMIA Annual Symposium to provide a forum for communication, networking, and dissemination of information important to nursing informatics.
- **The AMIA NIWG Education Committee** plans educational webinars throughout the year that disseminate nursing informatics content, bring value to AMIA NIWG members, and help AMIA NIWG to fulfill its mission. For example, earlier this year, NIWG offered a Webinar entitled, “Authoring Scholarly Submissions for AMIAs Annual Symposium” to facilitate submissions by nurses to the Annual Symposium. In addition, the AMIA NIWG Education Committee mentors nurses who are interested in scholarly writing but have not yet developed this skill set.
- **The AMIA NIWG Policy and Standards Committee** responds to request for comments to national policy and standards initiatives.
- **The AMIA NIWG Scholarly Project Initiative Committee** is focused on advancing nursing informatics science and integration of the science within all domains of nursing practice, education, and research. The committee members are developing models, tools, and value propositions that explain the science and process of nursing informatics. The goal is to have a clinical practice and knowledge development model that can be used globally to enable data exchange, measure comparisons and foster research collaborations not currently feasible.
- **AMIA NIWG Expert Database & Speaker’s Bureau Initiative Committee** is working to implement an Expert Database & Speaker’s Bureau that will be an authoritative and reliable

resource to promote nursing and biomedical informatics and that will assist organizations with identifying high quality informatics speakers.

4. What value do you see in AMIA NIWG being an ANI member?

The members of AMIA NIWG value collaborating through ANI with other nursing informatics groups to advance issues that are important to nursing informatics and health care. ANI provides a mechanism for us to come together as a single, unified voice that is much more likely to be heard and to make an impact than if we all acted in isolation.

5. In what way(s) is AMIA NIWG supporting ANI Initiatives e.g. the [ANI consumer pledge](#), ANI Comments & Testimony, the Emerging Leader program, etc.?

AMIA NIWG participates in the ANI consumer pledge. Our members have both benefited from and participated in the Emerging Leaders program. For example, AMIA NIWG members have served as mentors for the ANI Emerging Leaders program and one of the current ANI Emerging Leaders is an AMIA NIWG member. As described above, the AMIA NIWG Policy and Standards Committees are actively engaged in providing comments in conjunction with ANI to ensure that the voice of nursing is heard in the health care policy debate. Many AMIA NIWG members have testified before congressional committees alongside other ANI members to articulate a unified voice on issues that are important to nursing informatics and patient care.

6. What is AMIA NIWG's vision for the future of nursing informatics?

AMIA NIWG's vision for the future of nursing informatics is that nursing informatics will continue to advance within the larger interdisciplinary context of health informatics and that nurse informaticians will assume leadership roles in making sure that the patient is front and center in all that we do. AMIA NIWG aims to collaborate through ANI with other nursing informatics organizations to leverage informatics (data, information, knowledge, and nursing wisdom) to transform health care.

Biography for Patricia C. Dykes DNSc, RN, FAAN, FACMI

Patricia Dykes is Chair of the AMIA Nursing Informatics Working Group and Co-chair of the 2014 AMIA iHealth Symposium. Dr. Dykes is former Chair of the HIMSS Nursing Informatics Committee. Currently she is a Senior Nurse Scientist and Program Director for Research in the Center for Patient Safety Research and Practice and the Center for Nursing Excellence at Brigham and Women's Hospital (BWH) and Assistant Professor at Harvard Medical School. While funded by the Robert Wood Johnson Foundation, Dykes and team developed a fall prevention toolkit that significantly reduced falls in hospitals. The results of their study were published in JAMA. They have expanded this research to explore the use of technology to provide the core set of information needed by care team members (including patients) at the bedside to engage in safe patient care. Dr. Dykes is the author of two books and over 50 peer reviewed publications. She has presented her work both nationally and internationally. She is a member of the National Institutes of Health Biomedical Computing and Health Informatics Study Section, Center for Scientific Review, a fellow of the American Academy of Nursing and the American College of Medical Informatics.



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