Nursing Informatics Pioneers

Susan K Newbold
PhD RN-BC FAAN FHIMSS CHTS-CP
“The farther back you can look, the farther forward you are likely to see.”

-Winston Churchill
Objectives:

• Identify Pioneers in Nursing Informatics
• Discuss the contributions of selected nurse pioneers to healthcare
• Explore major events that have changed Nursing Informatics
Pioneers of Nursing Informatics
Transform Healthcare

Dr. Harriet H. Werley
Dr. Virginia K. Saba
AMIA NI History Committee

- Juliana J. Brixey, PhD MPH RN (Co-Chair)
- Susan K. Newbold, PhD RN-BC FAAN FHIMSS (Co-Chair)
- Connie Berg, MBA BA RN FHIMSS
- Diana Dodd, MSN RN
- W. Scott Erdley, DNS RN
- Sue Moorhead, PhD RN
- Eduardo Perez, BSN, RN
- Virginia K. Saba, EdD RN FAAN FACMI
- Kay M. Sackett, EdD RN
- Patricia M. Schwirian, PhD RN
- Bonnie L. Westra, PhD RN FAAN
- Rob Rader and many others with prior participation
Project Funding Sources

• Allina Health System
• American Academy of Nursing
• McKesson
• CARING
• Robert Wood Johnson Foundation - Executive Nurse Fellows
• Robert Wood Johnson Foundation - Executive Nurse Fellows Alumni Association
• University of Maryland School of Nursing
• University of Minnesota School of Nursing
Overall History Project

• Build National Library of Medicine archive for nursing informatics history
• Research/document history
• Videotape stories to preserve history for Nursing Informatics
Project Purpose

Nursing Informatics History Project

Purpose

The overall purpose of the Nursing Informatics History Project is to document and preserve the history of nursing informatics. This is occurring through three activities:

1. Nursing informatics pioneers and nursing informatics organizations have been solicited to preserve their materials in an archive at the National Library of Medicine started by Dr. Virginia Saba in 1997.
2. Stories of the pioneers in nursing informatics are being videotaped and made available through AMIA’s web site.
3. Historical research is planned to document the evolution of informatics as a specialty in nursing.

Use Cases

Examples of how to use the Information

Video Library

The videos are organized into two libraries. The first library is organized by the Nursing Informatics Pioneers. The second is organized by the Themes from Interviews.
Pioneer Defined

- Innovator, trailblazer, or groundbreaker in some aspect of nursing informatics
- “First” in opening up a new area/aspect of nursing informatics,
- Shaped the thinking/direction of nursing informatics, and
- Demonstrated sustained leadership in nursing informatics

-AMIA Nursing Informatics History Committee, 2005
Videotaping

• 145 pioneers identified
• 33 videotaped (Chicago, Washington, Baltimore)
  – Summer Institute in Nursing Informatics
  – AMIA Fall Meetings
• Selection
  – Earliest contributors to various aspects of nursing informatics
  – Availability and willingness to be interviewed
  – Limited resources
Nursing Informatics History Project

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Video Library

http://www.amia.org/programs/working-groups/nursing-informatics/history-project
Nursing Informatics Pioneers Interviewed
Nursing Informatics Pioneers Interviewed

Carol A. Romano, PhD, RN, BC, CNAA, FAAN
Virginia K. Saba, EdD, Honorary PhD, DS, RN, FAAN, FACMI, LL
Joyce E. Sensmeier, RN, MS, RN-BC, CPHIMS, FHIMSS
Patricia M. Schwindian, PhD, RN
Roy L. Simpson, RNC, FNAP, FAAN
Diane J. Skiba, PhD, FACMI, FAAN
Nancy Staggers, PhD, RN, FAAN
Linda Q. Theede, PhD, RN, C
James P. Turley, PhD, RN
Judith J. Warren, PhD, RN, FAAN, FACMI
Charlotte A. Weaver, RN, PhD
Elizabeth E. Weimer, PhD, RN-BC, FAAN
Rita Zielstorff, RN, MS, FAAN, FACMI

HIMSS
transforming health through IT™
Kathleen A. McCormick PhD, RN, FAAN, FACMI

Dr. McCormick is Senior Principal Scientist/Vice President, SAIC-Frederick in Rockville, Md. ...Read more
View her video
Listen to audio
Read transcript of the interview

Susan K. Newbold PhD, RN-BC, FAAN, FHIMSS

Dr. Newbold is a Healthcare Informatics Consultant based in Franklin, TN. She founded CARING ...Read more
View her video
Listen to audio
Read transcript of the interview

Virginia K. Saba

Dr. Saba, a nationally and internationally known pioneer of computer technology in nursing has for over 40 years ...Read more
View her video
Listen to audio
Read transcript of the interview

Diane J. Skiba, PhD, FACMI, FAAN

Dr. Diane J. Skiba is Professor and Coordinator of Healthcare Informatics at the University of Colorado Denver. Since 1980, she has dedicated ...Read more
View her video
Listen to audio
Read transcript of the interview
Common Themes

Video Library 2: Themes from Interviews

Select a theme below to view the videos.

- Theme 1: Nursing Informatics what it is, present, future, what nursing brings to the table
- Theme 2: Informatics- its value, pioneer’s realization of the value of informatics, how they came to understand the value of informatics
- Theme 3: Significant events that have shaped the field of nursing informatics
- Theme 4: Demographic of Pioneers including name, educational background, current position
- Theme 5: Pioneer’s path-career that lead up to involvement in (nursing) informatics, When they first considered themselves an informatics nurse.
- Theme 6: Personal aspirations and accomplishments. Overall vision that guided pioneer’s work, people the pioneer collaborated with to accomplish their vision/goals
- Theme 7: Pioneer’s first involvement - earliest events they recall
- Theme 8: Pioneer’s Lessons learned that they would like to pass on
Common Themes

1. Nursing Informatics- what it is, present, future
2. Informatics- its value, nursing information office
3. Significant events that shaped the field of nursing informatics
4. Demographic of Pioneers
5. Pioneer's path-career that lead up to involvement in informatics
6. Personal aspirations, accomplishments, vision, goals, collaborators
7. Pioneer's first involvement - earliest events they recall
8. Pioneer's lessons learned that they would like to pass on
Common Themes Examples

Video Library 2: Themes from Interviews

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- Theme 6: Personal aspirations and accomplishments, Overall vision that guided pioneer’s work, people the pioneer collaborated with to accomplish their vision/goals
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Patricia M. Schwirian, PhD, RN
View her video 1
View her video 2
Examples of Videos

Joyce E. Sensmeier RN, MS, RN-BC, CPHIMS, FHIMSS

Joyce Sensmeier MS, RN-BC, CPHIMS, FHIMSS, FAAN began her career in Nursing Informatics at Palos Community Hospital. Read more
View her video
Read transcript of the interview

Roy L. Simpson, RN, C, FNAP, FAAN

Roy L. Simpson, RN, C, CMAC, FNAP, FAAN, is vice president, nursing informatics, at Cerner Corporation. He is responsible for strategic sales/planning the patient. Read more
View his video
Listen to audio
Read transcript of the interview
Dr. Patricia Schwirian

Interviewer: Dr. Schwirian, could you please tell us your name, education, and title?

Patricia Schwirian: Be glad to. I’m Pat Schwirian. I’m a Professor Emeritus of Nursing and Family Medicine at The Ohio State University in Columbus.

Interviewer: Can you tell us a little bit about your educational background?

Patricia Schwirian: My education started in Illinois at the Illinois State University where I thought I was going to be a science teacher for the rest of my life. Things changed. My life changed a lot. For instance, I got married, and we went to The University of Iowa. My husband—Sociology, and I worked on my degrees in Science Education there. Then we went to The Ohio State University, and have been there ever since. I got my Ph.D. there, and I went on later to get my bachelor’s degree in Nursing at Capital University in Columbus. So, I was a late comer to the field of nursing.

Interviewer: How would you describe nursing informatics?

Patricia Schwirian: Well, I would describe a very broad definition of nursing informatics. I consider it the knowledge base that supports and further application of computers in nursing practice, in nursing education, in nursing administration, and in nursing research.

Interviewer: Dr. Schwirian, briefly describe your career in nursing that led up to your involvement in nursing informatics.

Patricia Schwirian: Actually, my career in nursing became much earlier than my career in, than my career in nursing per se. I came through science education, and my research was in education and the social behavioral aspects of it. So my view of computers was as a tool for data analysis—that I could be an independent researcher and run my own data analysis. You may or may not know that at The University of Iowa they’ve always had a very strong computer analysis history because of the testing and information services that came out of The University of Iowa, so we had access to computer systems—large systems—that other people didn’t. for many, many years. In fact, the computer that we both—my husband and I
Use Cases

• Examples of how to use the information
  – Future of Nursing Informatics
  – Nursing Informatics Recruiting
  – Nursing Informatics Trends
  – Qualitative Analysis Research
  – Compare Nursing Pioneers
Recent Work

- Updated biographies and photos of pioneers
- Added link to biography for Dr. Marianne Tallberg, Finland
- Create a tribute to Dr. Harriet H. Werley
- Explore extending pioneer project to international nursing informatics
- Donated Nursing Informatics materials to the John P. McGovern Historical Collections and Research Center at the Texas Medical Center Library in Houston
SBMI donates collection to the Texas Medical Center Library McGovern Historical Center

The University of Texas Health Science Center at Houston School of Biomedical Informatics (SBMI) is pleased to announce the recent donation of a collection of nursing informatics related articles, reports, published documents, and books to the John P. McGovern Historical Collections and Research Center at the Texas Medical Center (TMC) Library.

There are more than 200 items included in the collection and some materials date back to the 1970’s and 1980’s. Many of the collection items, including a variety of nursing informatics specific government reports, are no longer in print and act as the foundation for many nursing informatics industry standards. The collection comes to Houston after previously being housed at the University of Maryland.

The Head of the McGovern Historical Center, Philip Montgomery, MLIS, CA, noted that “this collection is considered to be a piece of living history.” Montgomery continued by saying, “we hope this can become a core collection that flourishes by soliciting the participation and contributions of others in the nursing informatics field.

Now that the collection has arrived at the McGovern Historical Center, it is currently being processed and categorized. The McGovern Historical Center staff will follow the natural order for which the items were received in order to organize the materials to be archived. Once that process is complete, an inventory or “finding aid” for the collection will be created. This will make the collection accessible online via the National Institutes of Health National Library of Medicine, the Texas Archival Resources Online (TARO), and the TMC Library website.

Once the inventory processing is complete, all materials in the collection will be available for users Monday through Friday during regular business hours at the McGovern Historical Center. No appointment is required, but students and researchers are encouraged to call in advance to expedite the process of making the items ready for use.

*The availability of this collection is an invaluable tool for students and researchers studying and investigating in the Texas
Major Events Changing Nursing Informatics

- History of Computers
- Health Care Reform
- Patient Engagement
- Social Media
- Telehealth
- Global Health
Nursing Informatics Changing Healthcare

• Conferences and Workshops
• Professional Councils
• Certification
• Advanced Education
• Writing for Publication
• Presentations
• HIMSS Bookstore

http://marketplace.himss.org/Store/Product-Detail?productId=545157785
What are you doing to change Nursing Informatics?

What can you do in the next three months to positively affect our profession, patient care and health?
Thank you to the Nursing Informatics Pioneers

...for sharing their knowledge and their expertise to ultimately provide better patient care
References


Nursing Informatics History Project. [http://www.amia.org/working-groups/nursing-informatics/history-project](http://www.amia.org/working-groups/nursing-informatics/history-project)


Questions?

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Nursing Informatics History Project:
https://www.amia.org/working-groups/nursing-informatics/history-project