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
• Judy G. Ozbolt, PhD RN FAAN FACMI FAIMBE
• 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
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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http://www.amia.org/programs/working-groups/nursing-informatics/history-project
Nursing Informatics Pioneers Interviewed

- Patricia Abbott, PhD, RN, FAAN, FACMI
- Marion J. Bailey, EdD
- Connie W. Delaney, PhD, RN, FAAN, FACMI
- Debra Konicek, RN, MSN, BC
- Kathleen A. McCormick, PhD, RN, FAAN, FACMI
- Ida M. Andrewich, PhD, RNC, FAAN
- Patricia F. Brennan, PhD, RN, FAAN, FACMI
- Carole A. Gassert, PhD, RN, FACMI, FAAN
- Norma M. Lang, PhD, RN, FAAN
- Judy Murphy, RN, FACMI, FHIMSS
- Jean M. Arnold, EdD, RN
- Pat Button, EdD, RN
- Susan J. Grobe, PhD, RN
- Karen S. Martin, RN, MSN, FAAN
- Susan Matney, MSN, RN
- Suzanne Bakken, DNSc, RN, FAAN
- Betty L. Chang, DNSc, RN, FNP-C, FAAN
- Rosemary Kennedy, MBA, RN
- Susan N. Newbold, PhD RN BC, FAAN, FHIMSS
- Judy G. Oxboll, PhD, RN, FAAN, FACMI, FAIMBE
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. Schwirian, PhD, RN
Roy L. Simpson, RNC, FNAP, FAAN
Diane J. Skiba, PhD, FACMI, FAAN
Nancy Staggers, PhD, RN, FAAN
Linda Q. Thede, PhD, RN, C
James P. Turley, PhD, RN
Judith J. Warren, PhD, RN, FAAN, FACMI
Charlotte A. Weaver, RN, PhD
Elizabeth E. Weiner, PhD, RN-BC, FAAN
Rita Zielstorff, RN, MS, FAAN, FACMI
<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
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<tr>
<td>Kathleen A. Mc Cormick, PhD</td>
<td>Senior Principal Scientist/Vice President, SAIC-Frederick</td>
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<td>in Rockville, Md</td>
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<td><a href="#">Read transcript of the interview</a></td>
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<td>Susan K. Newbold, PhD, RN-BC</td>
<td>Healthcare Informatics Consultant based in Franklin, TN.</td>
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<td>She founded CARING</td>
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<td>Virginia K. Saba</td>
<td>A nationally and internationally known pioneer of computer</td>
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<td>technology in nursing has for over 40 years</td>
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<td>Diane J. Skiba, PhD, FACMI,</td>
<td>Professor and Coordinator of Healthcare Informatics at the</td>
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<td>FAAN</td>
<td>University of Colorado Denver. Since 1980, she has dedicated</td>
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Common Themes

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

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- Theme 7: Pioneer's first involvement - earliest events they recall
- Theme 8: Pioneer’s Lessons learned that they would like to pass on

Dr. Saba has for over 35 years pioneered the integration of technology in nursing. She spearheaded the nursing informatics movement, initiated academic technology programs, and supported the development of healthcare information technology (HIT) systems including the Clinical Care Classification (CCC) System. During her career she served as a Nurse Officer in the Navy where she provided national leadership and promoted the use of technology in nursing practice. She also served in academia teaching in 1997 the first of Distinguished Scholar/Teacher at Georgetown University and integrated nursing technology in the academic programs and facilities. She conducted a federally funded study from which she developed the CCC System. In the Uniformed Services University, (USU) she coordinated a Graduate Nursing Distance Learning Project with the Veterans Administration. Currently, she is involved in the national health standards groups, is President and CEO of SabaCare Inc., and is integrating the CCC System into electronic nursing documentation systems.
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 Schirian

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

Patricia Schirian: Be glad to. I’m Pat Schirian. 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 Schirian: 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 Schirian: Well, I would describe a very broad definition of nursing informatics. I consider it the knowledge base that supports and furthers the application of computers in nursing practice, in nursing education, in nursing administration, and in nursing research.

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

Patricia Schirian: 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
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
Major Events Changing NI

• History of Computers
• Health Care Reform
• Patient Engagement
• Social Media
• Telehealth
• Global Health
NI Changing Healthcare

• Conferences and Workshops
• Professional Councils
• Certification
• Advanced Education
• Writing for Publication
• Presentations
What are you doing to change NI?

- What can you do in the next three months to positively affect our profession and patient care?
Thank you to the NI 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)

References


Thank you

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Nursing Informatics Pioneers

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