

# Nursing Informatics Pioneers Continue to Influence the Profession: A Sustainable Impact

Susan K. NEWBOLD<sup>a,1</sup> and Juliana J. BRIXEY<sup>b</sup>

<sup>a</sup>*Nursing Informatics Bootcamp, Franklin, TN USA*

<sup>b</sup>*University of Texas Health Science Center at Houston, Houston, TX USA*

**Abstract.** The American Medical Informatics Association (AMIA) established the Nursing Informatics History Project to recognize the pioneers of nursing informatics. Fundamental to the pioneers was dissemination of knowledge. The purpose of this review was to identify contributions to the field of nursing informatics as peer-reviewed manuscripts for the years 2010-2015 and indexed in PubMed. Results indicate that many of the pioneers continue to have manuscripts indexed in PubMed. It is anticipated this project will be extended to identify other types of contributions made by the pioneers in the advancement of nursing informatics.

**Keywords.** Nursing informatics, informatics, nursing, history project

## 1. Introduction

The AMIA Nursing Informatics History Project was established to record and maintain the history of nursing informatics [1]. As part of the History Project 143 individuals were designated as pioneers in the field. By convenience, thirty three were interviewed. Pioneers were defined as people who were innovators, trailblazers, or groundbreakers in some aspect of nursing informatics, first to open a new area and prepare a way for other nurses to follow [2, 3].

The designated pioneers advanced nursing informatics through innovation in health information technology (HIT), education, administration, and research. Central to their work was dissemination so that others could utilize their findings and technology to advance nursing and nursing informatics. The purpose of this review was to identify contributions to the field of nursing informatics as peer-reviewed manuscripts for the years 2010-2015 and indexed in PubMed.

## 2. Methods

A systematic review of the published literature was conducted to identify manuscripts published by the pioneers in PubMed for the years 2010-2015.

---

<sup>1</sup> Susan K Newbold, PhD RN-BC, FAAN FHIMSS  
Nursing Informatics Boot Camp  
429 Woodcrest LN Franklin, TN 37067-8533

Each of the thirty three pioneer's last name, initial(s), as well as the term "informatics" was entered in PubMed. The publication was included if the pioneer was listed as an author and was within the specified timeframe.

### 3. Results

Of the thirty-three pioneers, twenty-five (75.8%) have published one or more journal articles in the last five years and the manuscript was indexed in PubMed. See Figure 1 PubMed Articles 2010-2015. Six of the pioneers had authored at least one manuscript. One pioneer was identified as an author on fifty-seven publications.

### 4. Discussion

The pioneers in nursing informatics continue to contribute to the dissemination of new knowledge in the form of peer-reviewed indexed manuscripts in PubMed. The lack of publications in the last five years for some pioneers could be attributed to changes in employer, funding for research, or retirement. It is anticipated this project will be extended to research other types of new knowledge or technology credited to the pioneers.

### References

- [1] AMIA. Nursing Informatics History Project [Website]; 2016. Available from <https://www.amia.org/working-groups/nursing-informatics/history-project>
- [2] B. L. Westra and S. K. Newbold, American Medical Informatics Association Nursing Informatics History Committee, CIN March/April 2006 pp 113-115, 2006.
- [3] S. K. Newbold and B. L. Westra American Medical Informatics Association Nursing Informatics History Committee Update. CIN July/August 2009 pp 263-265, 2009.

Pioneer	PubMed	Book		Pioneer	PubMed	Book	
Patricia Abbott	14	0		Susan K. Newbold	1	1	
Ida M. Andrewich	3	0		Judy G. Ozbolt	1	0	
Jean M. Arnold	0	0		Carole Romano	0	0	
Suzanne Bakken	57	0		Virginia K. Saba	1	7	
Marion Ball	4	2		Patricia M. Schwirian	2	1	
Patricia Brennan	12	2		Joyce E. Sensmeier	20	1	
Patricia Button	0	0		Roy L. Simpson	8	0	
Betty L. Chang	0	0		Diane J. Skiba	11	1	
Connie Delaney	8	1		Nancy Staggers	21	1	
Carole A. Gassert	1	1		Linda Q. Thede	8	1	
Susan J. Grobe	0	0		James P. Turley	4	0	
Rosemary Kennedy	1	0		Judith J. Warren	4	0	
Debra Konicek	1	0		Charlotte Weaver	4	0	
Norma Lang	0	0		Elizabeth E. Weiner	4	0	
Karen S. Martin	8	0		Rita Zielstorff	0	0	
Susan Matney	6	0		<b>Totals –</b>			
Kathleen McCormick	0	4		<b>No publications</b>	8 – No	20 – No	
Judy Murphy	14	1		<b>Publications</b>	25 – Yes	13 – Yes	

Figure 1 PubMed Articles 2010-2015