

## Curriculum Vitae

**Name:** Christa E. Bartos  
**Business Address:** Room E-316  
UPMC Western Psychiatric  
Institute and Clinic  
3811 O'Hara Street  
Pittsburgh, PA 15261  
**Birth Place:** Waynesburg, PA USA  
**Citizenship:** United States  
**Pager:** 412-958-2810  
**E-Mail Address:** bartosce@upmc.edu  
**Business Phone:** 412-246-5012  
**Business Fax:** 412-246-5085

## Education

### **Undergraduate**

1969 - 1971	Washington Hospital School of Nursing, Washington, PA	Diploma	Nursing
1983-1987	West Liberty State College West Liberty, WV	BSN	Nursing

### **Graduate**

1992 - 1994	University of Pittsburgh, Pittsburgh, PA	MSIS	Information Science
2001 - 2005	University of Pittsburgh, Pittsburgh, PA	MS	Biomedical Informatics
2006 – 2008	National Library of Medicine	Fellowship	Biomedical Informatics
2001 - 2008	University of Pittsburgh, Pittsburgh, PA	PhD	Biomedical Informatics

## Appointments and Positions

### **Academic**

2008 -2011	<b>University of Pittsburgh</b> School of Nursing Health & Community Systems Department Pittsburgh, PA	<b>Assistant Professor: Nursing Informatics – Primary Appointment</b>
2009 – 2011	<b>University of Pittsburgh</b> School of Medicine Department of Biomedical Informatics Pittsburgh, PA	<b>Assistant Professor: Biomedical Informatics - Secondary Appointment</b>

2003	<b>University of Pittsburgh,</b> Center for Biomedical Informatics Pittsburgh, PA	<b>Teaching assistant</b> for BIOINF 2100 for Dr. Charles P. Friedman.
------	---	---

**Non-Academic**

As of June 20, 2011	University of Pittsburgh Medical Center, Pittsburgh, PA	Director of Clinical Operations and Informatics at Western Psychiatric Institute and Clinic
2001 - 2006	University of Pittsburgh Medical Center, Pittsburgh, PA	Clinical Systems Analyst III
1995 -2001	ServiceWare Technologies, Inc. Oakmont, PA	Knowledge Engineer/Subject Matter Expert
1987 – 1994	University of Pittsburgh Medical Center, Pittsburgh, PA	Nursing Informatics Specialist / Clinical Instructor / Nursing Liaison
1987 - 1987	Presbyterian University Hospital, Pittsburgh, PA	Staff Nurse - Oncology
1984 -1987	Presbyterian Senior Care, Washington, PA	Director of Inservice Education / Nursing Coordinator of Special Services
1979 - 1982	Washington Hospital, Washington, PA	Clinical Systems Trainer
1971 – 1978	Washington Hospital Washington, PA	Staff Nurse – Medical Unit

**Licensure and Certification**

1971 - Present	RN182676L	Pennsylvania
----------------	-----------	--------------

**Membership in Professional and Scientific Societies**

2002 - Present	Member, American Medical Informatics Association
2008 – Present	Member, CARING (Educational and Networking Group for Informatics Nurses)
2008 - 2009	Member, American Nursing Informatics Association (Merged with CARING)
1988 - 1995	Member, Tristate Nursing Computer Network

**Honors**

2008	Annual BMI Training Program Retreat Best Student Paper Award, Department of Biomedical Informatics, University of Pittsburgh
2010	Fellowship 2010 Summer Institute on Informed Patient Choice, The Dartmouth Institute for Health Policy & Clinical Practice, Dartmouth College

## Publications

### **Refereed Articles**

1. **Bartos, C. E.**, Mascara, C. M., Nelson, R., & Rafferty, D. (1994). Building Computer Interfaces with a Human Touch. *Proceedings of the 5th International Symposium on Nursing Informatics*, San Antonio, TX.
2. Mascara, C. M., **Bartos, C. E.**, Nelson, R., & Rafferty, D. (1994). An Affective Approach to Providing Nursing Students with HIS Access. Paper presented at the *Proceedings of the 5th International Symposium on Nursing Informatics*, San Antonio, TX.
3. **Bartos, C. E.**, Nigam, M. K., Fridsma, D. B., & Gadd, C. S. (2004). Predicting the Impact of a New Information System on Workflow Using a Discrete Event Simulation. Paper presented at the *Proceedings of the 11th World Congress on Medical Informatics*, San Francisco, CA.
4. **Bartos, C. E.**, Fridsma, D. B., Butler, B. S., Becich, M. J., & Crowley, R. S. (2008). Development of an Instrument for Measuring Clinicians' Power Perceptions in the Workplace. *Journal of Biomedical Informatics*, Dec; 41(6):1041-9.
5. **Bartos, C. E.**, Butler, B. S., Penrod, L. E., & Crowley, R. S. (2008). Negative CPOE Attitudes Correlate with Diminished Power in the Workplace. *Proceedings of the American Medical Informatics Annual Symposium*, Washington D. C. Nov 6:36-40.
6. **Bartos, C. E.**, Butler, B. S., Crowley, R. S. (2011). Ranked Levels of Influence Model: Selecting Influence Techniques to Minimize IT Resistance. *Journal of Biomedical Informatics*, June; 44(3): 497-504.
7. Kohle-Ersher, A., Chatterjee, P., Osmanbeyoglu, H., Hochheiser, H., **Bartos, C.** (2011). Evaluating the Barriers to Point of Care Documentation for Nursing Staff. *Computers, Informatics, Nursing*, doi: 10.1097/NCN.0b013e3182343f14.

## Research

**Principal Investigator:** Christa E. Bartos

Funding Agency: Center for Research and Evaluation Pilot/Feasibility Study Program

Title: "Feasibility study for determining meaningful use of computerized provider order entry systems in relation to patient outcomes"

Years Inclusive and Percent Effort: September 1, 2010 through June 30, 2012 (effort contributed)

Total Amount of Award: \$14,468

### **Co- Investigator**

Principal Investigator and Institution: Marilyn Davies, University of Pittsburgh

Funding Agency: Ruth Perkins Kuehn Research Award

Title of Grant: "The Challenge of Providing Health Information to Parents and Caregivers of Children at Risk for Overweight"

Years Inclusive and Percent Effort: September 1, 2009 through June 30, 2010 (effort contributed)

Total Amount of Award: \$18,906

**Co- Investigator**

Principal Investigator and Institution: Katherine P. Kelly, Children's National Medical Center  
General Clinical Research Center

Funding Agency: General Clinical Research Center Clinical Research Feasibility Funds

Title of Grant: "Pilot Study of an Intervention to Support Parents Making Treatment Decisions for Their Children with Cancer"

Years Inclusive and Percent Effort: January 1, 2009 – June 30, 2010 (effort contributed)

Total Amount of Award: \$10,000

**Other Scholarly Activities**

**Educational Grants**

Principal Investigator and Institution: Christa Bartos, University of Pittsburgh

Funding Agency: NLM Fellowship

Title: Perceptions of Personal Power and Their Relationship to Clinician's Resistance to the Introductions of Computerized Physician Order Entry

Years Inclusive and Percent Effort: 2006-2008 100%

Total Amount of Award: \$81,539

**Manuscript Reviewer**

2008-2011            Journal of Biomedical Informatics

2009                 2010 AMIA Clinical Research Informatics Summit

2010                 Journal of Professional Nursing

**Published Presentations**

**International**

**1. Bartos, C. E.**, (2004). Predicting the Impact of a New Information System on Workflow Using a Discrete Event Simulation. Paper presented at the *Proceedings of the 11th World Congress on Medical Informatics*, San Francisco, CA.

**National**

**1. Bartos, C. E.**, (2008). Negative CPOE Attitudes Correlate with Diminished Power in the Workplace. Paper presented at the *Proceedings of the American Medical Informatics Annual Symposium*, Washington D. C. Nov 6:36-40.

**Unpublished Presentations**

**National**

**1. Bartos, C.E.** (1989). *Practical Guidelines for Establishing a Training Program*. Presentation at the HBO Impact Conference, Phoenix, AZ.

**2. Bartos, C.E.** (1990). *Practical Guidelines for Establishing a Training Program*. Presentation at the HBO Impact Conference, Orlando, FL.

**3. Bartos, C.E.** (2007, June). *Measurement Study of the Semantic Differential Power Perception (SDPP) Survey*. Poster presentation at the Annual National Library of Medicine Training Conference, Palo Alto, CA.

4. **Bartos, C.E.** (2008, May). *Selecting Influence Techniques to Minimize IT Resistance: Ranked Levels of Influence*. Poster presentation at the American Medical Informatics Association Spring Conference, Phoenix, AZ.

5. **Bartos, C.E.**, Butler B.S., Penrod, L.E., Fridsma, D. B., Crowley, R. S. (2008, July). *Perceived Power Changes Influence Attitudes Toward CPOE*. Podium presentation at a plenary session of the Annual National Library of Medicine Training Conference, Washington DC.

### **Other Presentations**

1. **Bartos, C.E.** (2003). *Predicting the Impact of a New Information System on Workflow Using a Discrete Event Simulation*. Invited presentation at University of Pittsburgh School of Nursing, Pittsburgh, PA.

2. **Bartos, C.E.** (2005). *Evaluation of the Impact of an EHR on the Admissions Process*. Invited presentation at UPMC Rehab Hospital Squirrel Hill, Pittsburgh, PA

3. **Bartos, C.E.** (2008). *Negative CPOE Attitudes Correlate with Diminished Power in the Workplace*. Invited presentation at University of Pittsburgh School of Medicine Department of Biomedical Informatics, Pittsburgh, PA.

### **Teaching**

#### **Primary Teacher**

<b>University of Pittsburgh School of Nursing</b>				
<b>Term/Years</b>	<b>Course Number &amp; Title</b>	<b>No. of Students</b>	<b>Level</b>	<b>Didactic or Clinical</b>
Spring /2009	NUR 0086 Nursing Informatics	116	Under-graduate	Didactic
Spring/2009	NURSP 2085 Nursing Informatics Practicum I	1	Graduate	Didactic
Summer /2009	NUR 0086 Nursing Informatics	23	Under-graduate	Didactic
Summer/2009	NURSP 2086 Nursing Informatics Practicum II	1	Graduate	Didactic
Fall/2009	NUR 0086 Nursing Informatics	72	Under-graduate	Didactic
Spring/2010	NUR 0086 Nursing Informatics	150	Under-graduate	Didactic
Summer/2010	NUR 2083 Usability and Evaluation	11	Graduate	Didactic
Fall/2010	NUR 2076 Clinical Information Systems	4	Graduate	Didactic
Fall/2010	NUR 2085 Nursing Informatics Practicum	2	Graduate	Didactic
Spring/2011	NUR 0086 Nursing Informatics	98	Under-graduate	Didactic
Spring 2011	NUR 2086 Nursing Informatics Practicum	2	Graduate	Didactic

**Lecturer / Guest Lecturer**

<b>University of Pittsburgh</b>				
<b>Term/Years</b>	<b>Course Number &amp; Title</b>	<b>No. of Students</b>	<b>Level</b>	<b>Didactic or Clinical</b>
Fall/1991	Nursing Research Class	50	Under-graduate	Didactic
Spring/2004	NUR 2076 Clinical Information Systems	12	Graduate	Didactic
Spring/2005	NUR 2076 Clinical Information Systems	8	Graduate	Didactic
Fall/2005	NUR 2075 Introduction to Health Informatics	12	Graduate	Didactic
Spring/2007	NUR 2076 Clinical Information Systems	8	Graduate	Didactic
Spring/2008	NUR 2076 Clinical Information Systems	3	Graduate	Didactic
Fall/2008	NUR 2075 Introduction to Health Informatics – Organizations and IT	5	Graduate	Didactic
Fall/2008	BIOINF 2011 Introduction to Biomedical Informatics – Resistance to CPOE	3	Graduate	Didactic
Fall/2009	BIOINF 2011 Introduction to Biomedical Informatics – Resistance to CPOE	10	Graduate	Didactic
Fall/2009	NUR 2075 Introduction to Health Informatics – Organizations and IT	6	Graduate	Didactic
Summer/2010	NUR 0086 Nursing Informatics – Resistance to CPOE	28	Under-graduate	Didactic
Fall/2010	NUR 0086 Nursing Informatics – Resistance to CPOE	98	Under-graduate	Didactic
Fall 2010	BIONIF-2011 Introduction to Health Informatics – Organizations and IT	10	Graduate	Didactic

**Service****School Committees**

University of Pittsburgh, School of Nursing: MSN Council 2008 – Present

University of Pittsburgh, School of Nursing: BSN Council 2008 – Present

University of Pittsburgh, School of Nursing: MSN Curriculum Committee 2008 – Present

University of Pittsburgh, School of Nursing: Bylaws and Policies Committee 2009 – Present

**Professional Committees**

Member Western Pennsylvania HIMSS Program Committee, 2009-2010

Leader of University of Pittsburgh School of Nursing involvement with Technology Informatics Guiding Education Reform (TIGER) Initiative, 2010

University of Pittsburgh, School of Nursing Representative to The Pittsburgh CONNECTS (Creating an Organized Neighborhood Network to Enhance Community Technology Services) project, 2011.

**Student Committees**

Master's Committee member for Marc Clayton, School of Medicine, Department of Biomedical Informatics

Doctoral Comprehensive Exam committee member for Hatice Osmanbeyoglu, School of Medicine, Department of Biomedical Informatics