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## Tammy Toscos, M.S., Ph.D.

Informatics Research Scientist, Parkview Research Center  
Adjunct Faculty, BioHealth Informatics, Indiana University

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Mirro Center for Research & Innovation  
3602 New Vision Drive  
Fort Wayne, IN 46845  
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### RESEARCH INTERESTS

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Health informatics, human computer interaction, managing health and chronic disease with mobile technology, consumer health informatics, clinical informatics.

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### EDUCATION

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*Regenstrief Institute, Indianapolis, IN*

**Health Services Research Fellowship** **2011-2013**

Mentors: Brad Doebbeling, M.D., M.S, Mike Weiner, M.D., M.P.H., Jason Saleem, Ph.D.

*Indiana University, Bloomington, IN*

**Ph.D., Informatics** **2011**

Dissertation – *Digital Vigilance: Pervasive Technology for Children with Type 1 Diabetes*

Advisors: Kay Connelly, Ph.D., Yvonne Rogers, Ph.D., Erik Stolterman, Ph.D.

*Indiana University - Purdue University, Fort Wayne, IN*

**M.S., Applied Computer Science** **2002**

*James A. Haley VA Hospital, Tampa, FL*

**Dietetic Internship** **1989**

*Indiana University, Bloomington, IN*

**B.S., Nutrition & Dietetics** **1988**

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### ACADEMIC WORK EXPERIENCE

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*Indiana University-Purdue University, Indianapolis, IN*

**Adjunct Faculty** – BioHealth Informatics Department **2014 - present**

- Research collaborator with faculty from the BioHealth Informatics department, primary mentor for PhD student working on PCORI funded project

*Indiana University-Purdue University, Fort Wayne, IN*

**Assistant Professor** – Nursing Department **2011 - 2014**

- Developed and deployed course content for graduate and undergraduate healthcare informatics courses.
- Facilitate integration of electronic health record software (Cerner Academic Education Solution) across nursing curriculum.

**Visiting Assistant Professor**– Nursing Department **2009 - 2011**

- Developed and deployed course content for graduate and undergraduate healthcare informatics courses.

- Facilitate integration of electronic health record software (Cerner Academic Education Solution) across nursing curriculum.

**Assistant Professor** - Computer Science Department **2008 - 2009**

- Developed and deployed course content for both face-to-face and online computer programming courses.
- Advised students, participated in department various committees, developed community outreach programs.

**Continuing Lecturer** – Computer Science Department **2002 - 2008**

- Developed and deployed course content for both face-to-face and online computer programming courses.
- Advised students, participated in department various committees, developed community outreach programs.

**Graduate Assistant** –Computer Science Department **2000 - 2002**

## RESEARCH EXPERIENCE

*Parkview Health Mirro Center for Research & Innovation, Fort Wayne, IN*

**Informatics Research Scientist, Team Manager** **August 2014 - present**

- Built and manage interdisciplinary health informatics research team of 10
- Support informatics initiatives for Parkview Health system, specifically in patient engagement through the personal health record
- Design and implement study protocols
- Identify and develop grant applications
- Disseminate study findings via publications and presentations

*Intel Research Seattle, Seattle, WA*

**Research Intern, Intel Digital Simplicity Group** **Summer 2006 & 2007**

Mentor: Sunny Consolvo, Ph.D.

- Participated in the design and implementation of a mobile phone application intended to increase users' awareness of their level of physical activity.
- Assisted with qualitative analysis of interview data, coding of forum postings, and recruitment of survey participants.

## REFEREED PUBLICATIONS

**Toscov, T.**, Drouin, M., Reining, L., Flanagan, M., Carpenter, M., Carpenter, C. (in press) College Students in Distress: Can Social Media be a Source of Social Support? *College Student Journal*

Kunjan, K. Doebbeling, B., **Toscov, T.** (in press) Dashboards to Support Operational Decision Making in Health Centers: A Case for Role-Specific Design. *International Journal of Human-Computer Interaction (IJHCI)*

Howard, A., Flanagan, M., Drouin, M. Carpenter, M., Chen, E., Duchovic, C., **Toscov, T.** (in press) Adult Consumers' and Mental Health Professionals' Perceptions of Telemental Health for Youth: A Delphi Study. *Journal of American Medical Informatics Association Open (JAMIAO)*

**Toscov, T.**, Carpenter, M., Drouin, M., Roebuck, A., Kerrigan, C., Mirro, M.J. (in press) College Students' Experiences with and Willingness to Use Different Types of Telemental Health Resources: Do Gender, Depression/Anxiety, or Stress Levels Matter. *Telemedicine and eHealth*

**Toscov, T.**, Carpenter, M., Flanagan, M.E., Kunjan, K., Doebbeling, B.N. (in press)

Identifying Successful Practices to Overcome Access to Care Challenges in Community Health Centers: A "Positive Deviance" Approach. *Health Services Research and Managerial Epidemiology*.

Ghahari, R. R., Holden, R. J., Flanagan, M. E., Wagner, S., Martin, E., Ahmed, R., Daley, C., Tambe, R., Chen, E., Almandinger, T., Mirro, M. J., **Toscov, T.** (2018). Using cardiac implantable electronic device data to facilitate health decision making: A design study. *International Journal of Industrial Ergonomics*, 64, 143-154.

Daley, C. N., Chen, E. M., Roebuck, A. E., Ghahari, R. R., Sami, A. F., Skaggs, C. G., ... & **Toscov, T. R.** (2017). Providing Patients with Implantable Cardiac Device Data through a Personal Health Record: A Qualitative Study. *Applied Clinical Informatics*, 8(04), 1106-1116.

**Toscov, T.**, Carpenter, M., Flanagan, M.E., Kunjan, K., Olson-Miller, A., Doebbeling, B.N. (2017) Tailored, theory-based strategies for engaging low-income populations with a personal health record. *EAI Endorsed Transactions on Pervasive Health and Technology*. 3 (10): 1-10.

Wright, M., Flanagan, M.E., Kunjan, K., Doebbeling, B.N., **Toscov, T.** (2016) Missing links: Challenges in engaging the underserved with health information and communication technology. In *Proceedings of PervasiveHealth 2016*, Cancun, Mexico.

**Toscov, T.**, Daley, C., Heral, L., Doshi, R., Chen, Y., Eckert, G., Plant, R., Mirro, M. (2016) Impact of electronic personal health record use on engagement and intermediate health outcomes among cardiac patients: A quasi-experimental study. *Journal of the American Medical Informatics Association*. 23:119–128. [Awarded **Best Article in the literature, 2017 IMIA Yearbook of Medical Informatics** <https://www.thieme-connect.de/products/ejournals/pdf/10.1055/s-0037-1606475.pdf>]

Pierce, M., **Toscov, T.** (2015) Just One More Patient: Optimizing EMR Documentation in Ambulatory Care. In Proceedings of the *American Medical Informatics Association (AMIA) 2015 Annual Symposium*, San Francisco, CA.

Kunjan, K., **Toscov, T.**, Turkcan, A., Doebbeling, B. A (2015) Multidimensional Data Warehouse for Community Health Centers. In Proceedings of the *American Medical Informatics Association (AMIA) 2015 Annual Symposium*, San Francisco, CA.

Daley, C., Almandinger, T., Heral, L., **Toscov, T.**, Plant, R., Mirro, M. (2015) Engagement of ICD Patients: Direct Electronic Messaging of Remote Monitoring Data via a Personal Health Record. EP Lab Digest 15(5), HMP Communications LLC. <http://www.eplabdigest.com/articles/Engagement-ICD-Patients-Direct-Electronic-Messaging-Remote-Monitoring-Data-Personal-Health>

Turkcan, A., **Toscov, T.** and Doebbeling, B.N. (2014) Patient-Centered Appointment Scheduling Using Agent-Based Simulation. In Proceedings of the *American Medical Informatics Association (AMIA) 2014 Annual Symposium*, Washington, DC.

**Toscov, T.**, Connelly, K, and Rogers, Y. (2013) Designing for Positive Health Affect: Decoupling Negative Emotion and Health Monitoring Technologies In *Proceedings of International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth)*, Venice, Italy, 153-160.

**Toscov, T.**, Connelly, K, and Rogers, Y. (2012) Best Intentions: Health Monitoring

Technology and Children. In *Proceedings of the 30th annual ACM Conference on Human Factors in Computing Systems*, Austin Texas, New York, NY, Association for Computing Machinery, 1431-1440.

Johnson, S. F. and **Toscovs, T.** (2012) Before You Write: Six Keys to Success - A Pilot Online Information Literacy Course for Graduate Nursing Students. *Indiana Libraries*, 30(2): 11-15.

**Toscovs, T.**, Ponder, S.W., Anderson, B.J., Davidson, M.B., Lee, M.L., Montemayor-Gonzalez, E., Reyes, P., Link, E., and McMahon, K. (2012) Integrating an Automated Diabetes Management System into the family management of Children with Type 1 Diabetes. *Diabetes Care*, 35(3): 498-502.

**Toscovs, T.** (2011). Digital Vigilance: Pervasive Technology for Children with Type 1 Diabetes. (Doctoral dissertation). ProQuest Dissertations & Theses. (3488119)

**Toscovs, T.**, Consolvo, S., McDonald, D.W. (2011) Barriers to Physical Activity: A Study of Self-revelation in an Online Community. *Journal of Medical Systems*, 35(5): 1225-1242.

Meyer, L., Sternberger, C., **Toscovs, T.** (2011) Successful Implementation of an EHR into Undergraduate Education. *American Nurse Today*. 6(5): 40-44.

**Toscovs, T.**, Connelly, K., Rogers, Y. (2011) "What's your number?" A survey of how parents and teens cope with diabetes in the context of technology support. In *Proceedings of Pervasive Healthcare 2011*, 210-213.

**Toscovs, T.**, Consolvo, S., McDonald, D.W. (2010) "...is it normal to be this sore?": Using an Online Forum to Investigate Barriers to Physical Activity. In *Proceedings of International Health Informatics Symposium 2010*, 346-355.

**Toscovs, T.** (2010) Using Data to Promote Healthy Behavior in Children. In *Proceedings of Interaction Design & Children 2010*, 308-312.

Consolvo, S., McDonald, D.W., **Toscovs, T.**, Chen, M.Y., Froehlich, J., Harrison, B., Klasnja, P., LaMarca, A., LeGrand, L., Libby, R., Smith, I., Landay, J.A. (2008) Activity Sensing in the Wild: A Field Trial of UbiFit Garden. In *Proceedings of the 26th annual ACM Conference on Human Factors in Computing Systems*, New York, NY, Association for Computing Machinery, 1797-1806.

**Toscovs, T.**; Faber, A., Connelly, K., Mutsuddi-Upoma, A. (2008) Encouraging Physical Activity in Teens: Can technology help reduce barriers to physical activity in adolescent girls? In *Proceedings of Pervasive Health 2008*, 218 – 221. [Nominated for best paper]

Rogers, Y., Connelly, K., Tedesco, L., Hazlewood, W., Kurtz, A., Hall, R.E., Hursey, J., **Toscovs, T.** (2007) Why It's Worth the Hassle: The Value of In-Situ Studies When Designing UbiComp. In *Proceedings of UbiComp 2007*, LNCS 4717, pp. 336–353, 2007. [Nominated for best paper]

**Toscovs, T.**, Faber, A., An, S., Gandhi, M. (2006). Chick Clique: Persuasive Technology to Motivate Teenage Girls to Exercise. In *Proceedings of the 24th annual ACM Conference on Human Factors in Computing Systems*, Montreal, Canada, New York, NY, Association for Computing Machinery, 218 – 221.

Connelly, K., Faber, A., Rogers, Y., Siek, K., **Toscovs, T.** (2006) Mobile Applications that Empower People to Monitor their Personal Health. Springer *e & i: Elektrotechnik und Informationstechnik* Vol. 123, No. 4, 124 – 128.

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## BOOK CHAPTERS

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**Toscoss, T.**, Johnson, S.F. (2017) Chapter 5. *Informatics*. (2017) In S. Beckman and J. Fawcett (Ed.) Neuman Systems Model: Celebrating Academic-Practice Partnerships.

**Toscoss, T.**, Connelly, K. (2010) Chapter 10. *Using Behavior Change Theory to Understand and Guide Technological Interventions*. In B. Hayes and W. Aspray (Eds.) Health Informatics: A Patient-Centered Approach to Diabetes, MIT Press

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## CONFERENCE PRESENTATIONS

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Reining, L., Drouin, M., **Toscoss, T.** Mirro, M.J. *College Students in Distress: Can Social Media be a Source of Social Support?* American College Health Association, May 29- June 2, 2018 in Washington, DC (poster presentation)

Chen, E.M., **Toscoss, T.**, Carpenter, M., Lehmann, G., Mirro, M.J., Flanagan, M.E. *Addressing the Mental Health Needs of Medical Students: Does Telemental Health Have Potential?* American Medical Women's Association 103rd Annual Meeting March 22 – 25, 2018 in Philadelphia, PA (poster presentation)

**Toscoss, T.** *Help-Seeking & Technology: Perceptions of Adolescents and Young Adults*, Conference: Workshop for Interactive Systems in Healthcare – American Medical Informatics Association Meeting, November 4-8, 2017 in Washington, DC (podium presentation)

Roebuck, A., Wagner, S., Skaggs, C., Ahmed, R., Rohani Ghahari, R., **Toscoss, T.**, Mirro, M. (October 2017) *"I don't know how you can be the decision maker when you don't understand": Designing a Tailored E-Health Intervention to Empower Patients Living with Non-Valvular Atrial Fibrillation*. Heart Rhythm Congress 2017, Birmingham, UK (Poster Presentation)

Roebuck, A., Carpenter, M., Daley, C., Rohani Ghahari, R., Wagner, S., Ahmed, R., **Toscoss, T.**, Mirro, M. (March 2017) *Designing Tailored Health Messaging to Enhance Patient-Centered Care in Non-Valvular Atrial Fibrillation*. American College of Cardiology 66th Annual Scientific Session & Expo, Washington, D.C. (Poster Presentation)

**Toscoss, T.**, Carpenter, M., Kunjan, K., Mohammadi, I., Miller, I., Doebbeling, B.N., Wu, H. (December 2016). *Access Is Meaningful (AIM): Working with Community Health Centers to Improve Access to Care*. Academy Health Conference, Washington, D.C (Poster Presentation).

Mohammadi, I., Turkcan, A., **Toscoss, T.**, Wu, H. Doebbeling, B. (November 2016) *Predictive Modeling for Appointment No-show in Community Health Centers*. American Medical Informatics Association Annual Symposium, Chicago, IL (Poster presentation)

Mohammadi, I., Turkcan, A., **Toscoss, T.**, Wu, H. Doebbeling, B. (October 2016) *Health Care Needs of Underserved Populations in the City of Indianapolis*. The 7th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics, Seattle, WA (Poster presentation)

Wright, M., Flanagan, M., Kunjan, K., Doebbeling, B., and **Toscoss, T.** (May 2016). *Missing links: Challenges in engaging the underserved with health information and communication technology*. 10th EAI International Conference on Pervasive Computing Technologies for Healthcare, Cancun, Mexico (Paper presentation).

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Wright, M., Carpenter, C., Duchovic, C., Kerrigan, C., and **Toscov, T.** (April 2016). *Using the Delphi technique: Building consensus to identify telemental health solutions for youth accessing mental health services*. 49th Annual Conference of the American Association of Suicidology, Chicago, Illinois (Podium presentation).

Sami, A., Chen, E., Daley, C., Doshi, R., Heral, L., **Toscov, T.**, Slotwiner, D., Plant, R., Mirro, M. (November 2014) *Innovation in Cardiac Care: Direct Transmission of Remote Implantable Cardioverter Defibrillator Data to Patients through Their Electronic Personal Health Records*. American Heart Association Conference, Chicago, IL (Poster presentation)

Wright, M., **Toscov, T.**, Turkcan, A., Doebbeling, B. (November 2014) *Analysis of Patient Portal Use in Underserved Populations and Settings*, American Medical Informatics Association Annual Symposium, Washington, DC (Poster presentation)

Strasen, T., Johnson, S., **Toscov, T.** (November 2013) *Engaging Patients in Underserved Populations with Health Information Technology*, American Medical Informatics Association Annual Symposium, Washington, DC (Podium presentation)

**Toscov, T.**, Turkcan, A., Dogar, E. Doebbeling, B. (June 2013) *Redesigning Healthcare Systems for Improved Access to Care for Underserved Patients*, The 19th Annual National Research Services Award (NRSA) Conference, Baltimore, MD (Poster presentation)

**Toscov, T.**, Vottero, B. (February 2013) *Incorporating the proposed new QSEN competencies into a graduate informatics course: A collaborative experience*. The American Association of Colleges of Nursing (AACN) Master's Education Conference, Buena Vista, FL (Podium presentation)

**Toscov, T.**, Doebbeling, B., DeChant, P. (November 2012) *Promoting access to care, patient-provider communication, and adherence in underserved populations* Workshop on Interactive Systems in Healthcare (WISH), co-located with the American Medical Informatics Association (AMIA) Annual Symposium, Chicago, IL (Poster presentation)

**Toscov, T.**, Doebbeling, B. (June 2012) *Using mobile technology to promote access, effective patient-provider communication, and adherence in underserved populations*, The 18th Annual National Research Services Award (NRSA) Conference, Orlando, FL (Poster presentation)

Poling, D., **Toscov, T.** (June 2012) *Strategies for Integrating QSEN Informatics Competencies throughout the Graduate Nursing Curriculum*, Innovation to Transformation: 2012 Quality & Safety Education for Nursing (QSEN) National Forum, Tucson, AZ (Podium presentation)

**Toscov, T.**, Connelly, K., and Rogers, Y. (May 2012) *Best Intentions: Health Monitoring Technology and Children*. ACM Conference on Human Factors in Computing Systems, Austin Texas (Podium presentation)

Johnson, S. & **Toscov, T.** (September 2011). *Faculty and librarian collaboration in online instruction: Harnessing the Learning Management System*. International Conference on Information Literacy, Savannah, GA (Podium presentation)

**Toscov, T.**, Connelly, K., Rogers, Y. (May 2011) *"What's your number?" A survey of how parents and teens cope with diabetes in the context of technology support*. Pervasive Healthcare, Dublin, Ireland (Poster presentation)

**Toscov, T.**, Consolvo, S., McDonald, D.W. (November 2010) *"...is it normal to be this sore?": Using an Online Forum to Investigate Barriers to Physical Activity*. International Health Informatics Symposium, Arlington, VA (Podium presentation)

Kaskel, B., Meyer, L., Sternberger, C., & **Toscov, T.** (October 2010). *Innovative Strategies for Nursing Education with the Electronic Health Record*. Cerner Healthcare Conference, Kansas City, MO (Podium presentation)

Warren, J., Hanburg, A., Sternberger, C., **Toscov, T.** (September 2010). *Academic Education Solution Consortium: A Partnership of Schools of Nursing*. National League of Nursing Education Summit, Las Vegas, NV. (Podium presentation)

Meyer, L., Sternberger, C., & **Toscov, T.** (October 2009). *EHRNE: Electronic Health Record for Nursing Education*. Cerner Healthcare Conference, Kansas City, MO (Podium presentation)

**Toscov, T.**, Faber, A., An, S., Gandhi, M. (April 2006). *Chick Clique: Persuasive Technology to Motivate Teenage Girls to Exercise*. ACM Conference on Human Factors in Computing Systems, Montreal, Canada (Student Design Competition: Poster presentation & Podium presentation)

**Toscov, T.**, Faber, A., An, S., Gandhi, M. (February 2006). *Using Mobile Technology to Motivate Teenage Girls to Walk for Exercise*. Indiana Women in Computing Regional Conference, Turkey Run, IN (Poster presentation)

Amy Irwin and **Armstrong (Toscov), T.** (1992) *Effect of an individualized exercise prescription as a supplement to group weight loss programs*. The American Dietetics Association Annual Meeting (Poster presentation)

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#### INVITED TALKS

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**Toscov, T.** *Innovations in Care: Health Informatics Research in a Non-Academic Health System* Invited speaker for the University of Michigan Health Informatics Seminar (SI 574), Ann Arbor, MI February 7, 2018

**Toscov, T.**, Adamson, W., Rodriguez, M., Holliday, R. *What Do Patients Want from Telehealth?* Invited panelist, The Robert Graham Center Primary Care Forum, Capitol Hill, Washington, DC November 9, 2017

**Toscov, T.** *Careers after the PhD*, Invited speaker at the Summer Undergraduate Researcher Institute, School of Informatics and Computing, Indiana University, Bloomington, IN July 2017

**Toscov, T.** *Parkview Health Innovation: Transforming the Future*, Invited speaker at Design Week, Fort Wayne, Fort Wayne, IN May 2017

**Toscov, T.** *mHealth: Behavioral Nudge or Technological Fudge*, Invited speaker at the School of Informatics, Indiana University, Indianapolis, IN March 21, 2016

**Toscov, T.** *Strategies for Patient Messaging and Engagement*, Invited speaker at the 12<sup>th</sup> Annual Parkview Research Symposium "Past, Present and Future of Research," Parkview Mirro Center for Research and Innovation, Fort Wayne, IN March 5, 2016

**Toscov, T.** *PCORI: Patient Centered Research Institute*, Invited speaker at the 12<sup>th</sup> Annual Parkview Research Symposium "Population Health: The Role of Research," Parkview Mirro Center for Research and Innovation, Fort Wayne, IN March 2015

**Toscov, T.**, Sternberger, C., Meyer, L. *Electronic Health Records: Bridging the Gap in Nursing Education* Invited speaker at the ATI National Nurse Educator Summit, Scottsdale, AZ April 2012

**Toscov, T.** *Innovations in Mobile Learning* Invited speaker for CELT workshop, IPFW, Fort Wayne, March 2010

**Toscov, T.** *Creating a Community Online* Invited speaker at the 2005 Fall CELT Conference "The Classroom as a Community", IPFW, Fort Wayne IN.

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## DOCTORAL CONSORTIA

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*Using Data to Promote Healthy Behavior in Children.* Interaction Design & Children 2010, Barcelona, Spain

*Impact of collaboration & communication on learning in CS1.* SIGCSE 2006, Houston, TX.

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## GRANTS

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"Power to the patient: Design and Test of Closed-Loop Interactive Information Technology for Geriatric Heart Failure Self-Care Grant Number" **Co-Principal Investigator** Award: \$293,786. Source of Funding: Agency for Healthcare Research and Quality (1R21HS025232-01) Dates April 2017 to September 2018.

"Keep it SIMPLE: Improving Anti-Coagulation Medication Adherence for Patients with non-valvular atrial fibrillation" **Principal Investigator**. Award: \$425,000 Source of funding: Janssen Scientific Affairs. Dates February 2016 to October 2018

"Engaging Patients in Heart Failure Management" **Principal Investigator**. Award: \$200,000 Source of funding: Biotronik. Dates January 2016 to December 2018.

"Clinical Workflow Challenges with Mobile Cardiac Telemetry" **Principal Investigator**. Award: \$159,580 Source of Funding: iRhythm. Dates January 2017 to September 2017.

"Towards Enhanced Compliance with CIED Remote Monitoring: Engaging Patients with CIED Data via a Personal Health Record" **Principal Investigator**. Award: \$40,000 Source of funding: Medtronic. Dates May 2017 to November 2017

"Perceptions of Telemental Health among Adolescents and Young Adults" **Principal Investigator**. Award: \$313,000 Source of funding: Robert Wood Johnson Foundation. Dates October 2015 to September 2017.

"Improving Healthcare Systems for Access to Care and Efficiency by Underserved Patients" **Co-Principal Investigator**. Award: \$2 million. Source of funding: Patient Centered Outcomes Research Institute (PCORI). Dates October 2013 to October 2016.

"Engaging Patients in Underserved Populations with Health Information Technology" **Principal Investigator**. Support: 1 summer month. Award: \$8000. Source of funding: 2013 IPFW Summer Research Grant. Dates May 2013 to August 2013.

"Electronic Health Records for Nursing Education: Integrating Technology into Nursing Curriculum" **Co-investigator**. Principal Investigator: Pam Dekoninck, MS, RN. Support: 0.5 FTE summer. Award: \$7500. Source of funding: IPFW Center for the Enhancement of Learning and Teaching Summer Instructional Grant (<http://www.ipfw.edu/celt/grants/grants.shtml>). Dates May 2010 to August 2010.

"Investigating Mobile Health Monitoring of Children with Chronic Disease." **Principal Investigator**. Co-investigator: Kay Connelly, PhD. Support: Proprietary activity detecting hardware and software. Award: \$12,000 in equipment. Source: Intel Research Seattle. Date: January 2008.

"Development of an Online Java Programming Course." **Principal Investigator**. Support: 1 FTE summer. Award: \$10,000. Source of funding: IPFW Distance and Distributed Education Coordinating Committee (<http://www.ipfw.edu/celt/grants/grants.shtml>). Dates May 2004 to August 2004.

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## AWARDS

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"Best article" honor from the International Medical Informatics Association (IMIA) 2017 Yearbook of Medical Informatics for literature in 'Health Information Management'

<https://www.thieme-connect.de/products/ejournals/pdf/10.1055/s-0037-1606475.pdf>

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**Distinguished Reviewer** (2013) American Medical Informatics Association Annual Symposium, Washington, DC, November 16 – 20, 2013

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**Best Dissertation Award** (2013) Winner, International iSchools Doctoral Dissertation Award, presented at the 2013 iConference Awards Luncheon, Fort Worth, TX

**NSF Scholarship** (2006) Grace Hopper Celebration of Women in Computing Conference

**First Place, Student Design Competition** (2006) ACM Conference on Human Factors in Computing Systems, Montreal, Canada

**Outstanding Research Award** (2006) Indiana University Women in Science Program

**Best Poster Presentation** (2006) Indiana Women in Computing Regional Conference

**Outstanding Performance Award** (1992) Hines VA Hospital for Clinical and Research Achievement in Dietetics

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## OTHER PROFESSIONAL EXPERIENCE

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*Fleetwood Enterprises, Decatur, IN*

**Software Development Contractor** **2004**

- Developed a database application used to maintain data for OSHA records and generate related to incident reports.

*Raytheon Systems Company, Fort Wayne, IN*

**Intern, Engineering Process Group** **1996 - 1998**

- Revised and maintained Engineering Standards, Engineering Process Group web site, reporting mechanism for tracking process deployment metrics, software process assets repository

*Saint Joseph Hospital, Fort Wayne, IN*

**Manager, Clinical Nutrition** **1993 - 1996**

- Supervised and trained clinical dietitians, clerical and food service staff (approximately 30 employees)
- Directed and performed cost-benefit analysis for clinical programs
- Maintained budget for clinical and patient service programs
- Initiated revenue generating outsourcing programs for dietitians
- Managed the quality assessment program for the entire department (patient satisfaction and clinical programs)

*Wishard Community Health Centers, Indianapolis, IN*

**Community Dietitian** **1992 - 1993**

- Provided nutrition counseling and WIC certification for prenatal and pediatric clients
- Integrated exercise testing into adult weight loss program
- Developed and implemented an adolescent sports nutrition education program

*Hines VA Hospital, Chicago, IL*

**Clinical Dietitian**

**1989 - 1992**

- Provided nutrition counseling and assessment including biochemical analysis for adult and geriatric patients. Inpatient and outpatient therapies.
- Provided nutrition counseling for diabetic patients visiting diabetic clinic.
- Trained and evaluated 30 dietetic interns annually.
- Developed neurology curriculum for dietetic interns.
- Founded a multi-disciplinary Dysphasia Team including physicians, nurses, pharmacists, speech, physical and occupational therapists. Developed a multilevel therapeutic dysphasia diet for dysphasic inpatient dietary service.

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**SERVICE WORK**

<i>Co-Chair: Consumer Health Informatics in the Midwest Conference</i>	<b>2018, 2014</b>
<ul style="list-style-type: none"> <li>• Co-chair of this conference pulling researchers throughout the Midwest for a day of sharing ideas and creating future collaborations</li> </ul>	
<i>Workshop for Interactive Systems in Healthcare – American Medical Informatics Association Meeting</i>	<b>2017</b>
<ul style="list-style-type: none"> <li>• Provided reviews for four conference abstract submissions</li> </ul>	
<i>Technical Program Committee Member: Association for Computing Machinery Conference on Computer Human Interaction</i>	<b>2017</b>
<ul style="list-style-type: none"> <li>• Coordinated meta-review of sixteen conference paper submissions</li> </ul>	
<i>Program Committee Member: Workshop for Interactive Systems in Healthcare – Association for Computing Machinery Conference on Computer Human Interaction</i>	<b>2017</b>
<ul style="list-style-type: none"> <li>• Provided reviews for four conference abstract submissions</li> </ul>	
<i>Technical Program Committee Member: American Medical Informatics Association Annual Symposium</i>	<b>2016</b>
<ul style="list-style-type: none"> <li>• Coordinated meta-review of eighteen conference paper submissions</li> </ul>	
<i>IPFW Academic Computing and Information Technology Advisory (Senate) Sub-Committee (ACITAS) member – College of Health and Human Services representative</i>	<b>2013- 2014</b>
<ul style="list-style-type: none"> <li>• Participated in technology strategic planning for IPFW campus</li> </ul>	
<i>Campus Budget Committee member – College of Health and Human Services representative</i>	<b>2013 - 2014</b>
<ul style="list-style-type: none"> <li>• Participated in budget planning for IPFW campus.</li> </ul>	
<i>Chair, College of Health and Human Services Academic Computing and Information Technology Committee</i>	<b>2013 - 2014</b>
<ul style="list-style-type: none"> <li>• Lead college policy on technology implementation at IPFW.</li> </ul>	
<i>Research Preceptor Midwest Alliance for Health Education (MAHE)</i>	<b>2013</b>
<ul style="list-style-type: none"> <li>• Guided graduate nursing student in summer health informatics research project that culminated in a conference paper submission.</li> </ul>	
<i>Technical Program Committee Member: American Medical Informatics Association Annual Symposium</i>	<b>2013</b>
Coordinated meta-review of fourteen conference paper submissions	

<i>Technical Program Committee Member (WIPs): ACM conference on Computer Human Interaction (CHI)</i>	<b>2012, 2013</b>
<ul style="list-style-type: none"> <li>• Coordinated meta-review of six conference paper submissions</li> </ul>	
<i>Technical Program Committee Member (Values): ACM conference on Designing Interactive Systems (DIS)</i>	<b>2012</b>
<ul style="list-style-type: none"> <li>• Coordinated meta-review of nine conference paper submissions</li> </ul>	
<i>Mobile Technology /iPad Cohort at IPFW (August, 2011 to present)</i>	<b>2011- 2013</b>
<ul style="list-style-type: none"> <li>• Selected to participate in this group based on application. Goal focused on sharing ideas for leveraging iPads to enhance teaching/learning.</li> </ul>	
<i>IPFW Undergraduate &amp; Graduate Nursing Curriculum Committees</i>	<b>2008- 2014</b>
<ul style="list-style-type: none"> <li>• Contribute expertise in informatics to curriculum development</li> </ul>	
<i>Technical Program Committee Member: International Conference on Pervasive Computing Technologies for Healthcare 2009</i>	<b>2009</b>
<ul style="list-style-type: none"> <li>• Coordinated meta-review of eight conference paper submissions</li> </ul>	
<i>Bring IT On! Workshop at Indiana University - 2007</i>	<b>2007</b>
<ul style="list-style-type: none"> <li>• Helped develop and coordinate three-day workshop that followed the same format as the inaugural Bring IT On!</li> </ul>	
<i>Bring IT On! Workshop at Indiana University – Inaugural</i>	<b>2006</b>
<ul style="list-style-type: none"> <li>• Helped develop and coordinate this three-day workshop designed to encourage undergraduate computer science students to develop K-12 outreach programs for their schools.</li> <li>• For this workshop we brought 20 undergraduate students from 10 Historically Black Colleges to Indiana University.</li> </ul>	
<i>IPFW Summer Program in Intensive Computer Education (SPICE)</i>	<b>2005</b>
<ul style="list-style-type: none"> <li>• Developed and deployed a two-week advanced computer programming camp for high school students.</li> </ul>	
<i>IPFW leadership camp for Middle School girls: Girls Leading Others(GLO)</i>	<b>2005</b>
<ul style="list-style-type: none"> <li>• Developed and deployed the web page development portion.</li> </ul>	
<i>Referee for First Lego League – regional competition</i>	<b>2005, 2008</b>
<ul style="list-style-type: none"> <li>• Acted as technical judge for elementary school teams</li> </ul>	
<i>“Career Day” at Tippecanoe Valley Middle School</i>	<b>2004</b>
<ul style="list-style-type: none"> <li>• Developed and deployed outreach program encouraging children to consider a career in technology related fields.</li> </ul>	
<i>IPFW Summer Math Camp</i>	<b>2004</b>
<ul style="list-style-type: none"> <li>• Developed and lead internet related activity for this camp.</li> </ul>	
<i>“Summer Clubhouse,” Fort Wayne Community Schools</i>	<b>2004</b>
<ul style="list-style-type: none"> <li>• Developed and deployed written materials and exercises for school age children. Mapped to Indiana’s state curriculum standards.</li> </ul>	

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MEMBERSHIP

**Association of Computing & Machinery (ACM)**

**American Medical Informatics Association (AMIA)**

**Healthcare Information & Management Systems Society (HIMSS)**