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

Director, Health Services and Informatics Research
Parkview Health

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RESEARCH INTERESTS

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

<https://orcid.org/0000-0002-9679-5359>

EDUCATION

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

ACADEMIC WORK EXPERIENCE

University of Michigan, Ann Arbor

Adjunct Faculty – School of Public Health

2020 – 2021

- Research collaborator with Health Management and Policy faculty; guest lecturer; mentoring graduate students; curriculum feedback

Indiana University-Purdue University, Indianapolis, IN

Adjunct Faculty – School of Informatics and Computing

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.

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

Daley, C., Coupe, A., Allmandinger, T., Shirazi, J., Wagner, S., Drouin, M., Ahmed, R., **Toscov, T.**, Mirro, M. (in press). Clinicians' Use of Data Elements from Cardiovascular Implantable Electronic Devices in Clinical Practice. *Cardiovascular digital health journal*, (V)(i), pp.##-##.

Pater, J., **Toscov, T.**, Flanagan, M., Drouin, M., McMahan, D., Distler, M., Hayes, P., Peters, N. 2022. Connecting Self-Reported COVID-19 Needs with Social Determinants of Health. In *Proceedings of the EAI International Conference on Pervasive Health*. DOI forthcoming

Pater, J., Guha, S., Pfafman, R., Kerrigan, C., **Toscov, T.** 2022. Spatio-Temporal Predictive Modeling for Placement of Substance Use Disorder Treatment Facilities in

the Midwestern U.S. In *Proceedings of the EAI International Conference on Pervasive Health*. DOI forthcoming.

Toscos, T., Cornet, V. P., Charles, M., Cumbee, E., Gabet, C., Massing, E., & Stienecker, S. (2022, October). COVID-19 Vaccination Clinic Success: An Interdisciplinary Application of Simulation and Modeling. In *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care* (Vol. 11, No. 1, pp. 92-94). Sage CA: Los Angeles, CA: SAGE Publications.
<https://doi.org/10.1177/2327857922111018>

Chui, V., Pater, J., **Toscos, T.**, Guha, S. 2022. Applying Human-Centered Data Science to Healthcare: Hyperlocal Modeling of COVID-19 Hospitalizations. In *Proceedings of the 2022 ACM GROUP Work Conference (Companion)*. 6. pages.
<https://dl.acm.org/doi/abs/10.1145/3565967.3570979>

Kiessling, K. A., Iott, B. E., Pater, J. A., **Toscos, T. R.**, Wagner, S. R., Gottlieb, L. M., & Veinot, T. C. (2022). Health informatics interventions to minimize out-of-pocket medication costs for patients: what providers want. *JAMIA open*, 5(1), ooac007. <https://doi.org/10.1093/jamiaopen/ooac007>

Richards, O. K., Iott, B. E., **Toscos, T. R.**, Pater, J. A., Wagner, S. R., & Veinot, T. C. (2022). "It's a mess sometimes": patient perspectives on provider responses to healthcare costs, and how informatics interventions can help support cost-sensitive care decisions. *Journal of the American Medical Informatics Association*.
<https://doi.org/10.1093/jamia/ocac010>

Carly Daley, **Tammy Toscos**, Tina Allmandinger, Ryan Ahmed, Shauna Wagner, Michael Mirro. (September 2021) Organizational Models for Cardiac Implantable Electronic Device Remote Monitoring Current and Future Directions. *Cardiac Electrophysiology Clinics*. 13(3), Pages 483-497.
<https://doi.org/10.1016/j.ccep.2021.04.008>

Pater, Jessica A., Fayika Farhat Nova, Amanda Coupe, Lauren E. Reining, Connie Kerrigan, **Tammy Toscos**, and Elizabeth D. Mynatt (2021). Charting the Unknown: Challenges in the Clinical Assessment of Patients' Technology Use Related to Eating Disorders. In *CHI Conference on Human Factors in Computing Systems (CHI'21)*, May 8-13, 2021, Yokohama, Japan. ACM, New York, NY, USA, 23 pages.
<https://doi.org/10.1145/3411764.3445289>

Pater, Jessica A., Rachel Pfafman, Amanda Coupe, Chanda Phelan, **Tammy Toscos**, and Maia Jacobs (2021) Standardizing Reporting of Participant Compensation in HCI: A Meta-Review and Recommendations for the Field. In *CHI Conference on Human Factors in Computing Systems (CHI '21)*, May 8-13, 2021, Yokohama, Japan. ACM, New York, NY, USA, 23 pages.
<https://doi.org/10.1145/3411764.3445734>.

Pater, J., Phelan, C., Cornet, V., Ahmed, R. Colletta, S., Kerrigan, C., **Toscos, T.** (2021). User-Centered Design of a Mobile App to Support Peer Recovery in a Clinical Setting. *ACM Transactions on Computer-Human Interaction*, 5(CSCW1), 1-31. <https://doi.org/10.1145/3449186>

Pater JA, Coupe A, Miller AD, Reining LE, Drouin M, and **Toscos T.** 2020. Design Opportunities and Challenges for App-Based Telemental Health Technologies for Teens and Young Adults. In *Proceedings of the 14th EAI International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth '20)*. Association for Computing Machinery, New York, NY, USA, 188–200. DOI:
<https://doi.org/10.1145/3421937.3422016>

Daley CN, Cornet VP, **Toscov TR**, Bolchini DP, Mirro MJ, Holden RJ. (2020) Naturalistic Decision Making in Everyday Self-care Among Older Adults With Heart Failure. *Journal of Cardiovascular Nursing*. doi: 10.1097/JCN.0000000000000778 https://journals.lww.com/jcnjournal/Abstract/9000/Naturalistic_Decision_Making_in_Everyday_Self_care.99219.aspx

Drouin, M., McDaniel, B. T., Pater, J., & **Toscov, T.** (2020). How parents and their children used social media and technology at the beginning of the COVID-19 pandemic and associations with anxiety. *Cyberpsychology, Behavior, and Social Networking*. <https://doi.org/10.1089/cyber.2020.0284>

Toscov, T. R., Coupe, A., Wagner, S., Drouin, M., Roebuck, A. E., Daley, C. N., Maria D. Carpenter & Mirro, M. J. (2020). Can nurses help improve self-care of patients living with atrial fibrillation? A focus group study exploring patients' disease knowledge gaps. *Nursing Open*. <http://dx.doi.org/10.1002/nop2.472>

Toscov, T., Daley, C., Wagner, S., Coupe, A., Ahmed, R., Holden, R. J., Flanagan, M., Pfafman, R., Rohani Ghahari, R., & Mirro, M. (2020). Patient responses to daily cardiac resynchronization therapy device data: a pilot trial assessing a novel patient-centered digital dashboard in everyday life. *Cardiovascular Digital Health Journal*. <https://doi.org/10.1016/j.cvdhj.2020.09.003>

Toscov, T., Coupe, A., Wagner, S., Ahmed, R., Roebuck, A., Flanagan, M., ... & Mirro, M. (2020). Engaging Patients in Atrial Fibrillation Management via Digital Health Technology: The Impact of Tailored Messaging. *The Journal of Innovations in Cardiac Rhythm Management*, 11(8), 4209. <https://doi.org/10.19102/icrm.2020.110802>

Cornet V, Toscov T, Bolchini D, Rohani Ghahari R, Ahmed R, Daley C, Mirro M, Holden R. (2020) Untold Stories in User-Centered Design of Mobile Health: Practical Challenges and Strategies Learned From the Design and Evaluation of an App for Older Adults With Heart Failure. *JMIR Mhealth Uhealth*;8(7):e17703 URL: <https://mhealth.jmir.org/2020/7/e17703> DOI: <https://doi.org/10.2196/17703>

Toscov, T., Drouin, M., Pater, J. A., Flanagan, M., Wagner, S., Coupe, A., Ahmed, R. & Mirro, M. J. (2020). Medication adherence for atrial fibrillation patients: triangulating measures from a smart pill bottle, e-prescribing software, and patient communication through the electronic health record. *JAMIA Open*. <https://doi.org/10.1093/jamiaopen/ooaa007>

Daley C., Ghahari R.R., Drouin M., Ahmed R., Wagner S., Reining L., Coupe A., **Toscov T.**, Mirro M. (2020) Involving patients as key stakeholders in the design of cardiovascular implantable electronic device data dashboards: Implications for patient care. *Heart Rhythm O2*. <https://doi.org/10.1016/j.hroo.2020.04.005>

Holden, R.J., Daley, C.N., Mickelson, R.S., Bolchini, D., **Toscov, T.**, Cornet, V.P., Miller, A., Mirro, M.J. (2020). Patient decision-making personas: An application of a patient-centered cognitive task analysis (P-CTA). *Applied Ergonomics*, 87, 103107. <https://doi.org/10.1016/j.apergo.2020.103107>

Ahmed, R., **Toscov, T.**, Ghahari, R.R., Holden, R.J., Martin, E., Wagner, S., Daley, C., Coupe, A., Mirro, M. (2019). Visualization of Cardiac Implantable Electronic Device Data for Older Adults Using Participatory Design. *Applied Clinical Informatics*, 10(04), 707-718. <https://doi.org/10.1055/s-0039-1695794>

Toscov, T., Drouin, M., Pater, J., Flanagan, M., Pfafman, R., Mirro, M.J. Selection

biases in technology-based intervention research: patients' technology use relates to both demographic and health-related inequities (2019) *Journal of the American Medical Informatics Association*, 26 (8-9), 835–839.

<https://academic.oup.com/jamia/article/26/8-9/835/5512224>

Toscov, T., Coupe, A., Flanagan, M., Drouin, M., Carpenter, M., Reining, L., Roebuck, A. & Mirro, M. J. (2019). Teens Using Screens for Help: Impact of Suicidal Ideation, Anxiety, and Depression Levels on Youth Preferences for Telemental Health Resources. *JMIR mental health*, 6(6), e13230.

<https://mental.jmir.org/2019/6/e13230/>

Toscov, T., Drouin, M., Flanagan, M., Carpenter, M., Kerrigan, C., Carpenter, C., Mere, C. & Haaff, M. (2019). Audience Response Systems and Missingness Trends: Using Interactive Polling Systems to Gather Sensitive Health Information From Youth. *JMIR Formative Research*, 3(3), e13798.

<https://formative.jmir.org/2019/3/e13798/>

Cornet, V.P., Daley, C., Bolchini, D., **Toscov, T.**, Mirro, M.J., Holden, R.J. (2019) Patient-centered Design Grounded in User and Clinical Realities: Towards Valid Digital Health. *Human Factors and Ergonomics in Health Care Symposium 2019*, March 24–27, Chicago, IL.

Pater, J., Reining, L., Miller, A., **Toscov, T.**, Mynatt, E. (2019) "Notjustgirls": Exploring Male-related Eating Disordered Content across Social Media Platforms. *37th ACM Conference on Human-Computer Interaction (CHI 2019)*, May 4-9, Glasgow, Scotland, UK, 1-13. <https://doi.org/10.1145/3290605.3300881>

Daley, C., **Toscov, T.**, Mirro, M.J. (2019) Data Integration and Interoperability for Patient-Centered Remote Monitoring of Cardiovascular Implantable Electronic Devices. *Bioengineering*, 6(1), 25; <https://doi.org/10.3390/bioengineering6010025>

Drouin, M., Reining, L., Flanagan, M., Carpenter, M., & **Toscov, T.** (2018). College Students in Distress: Can Social Media be a Source of Social Support?. *College Student Journal*, 52(4), 494-504.

Toscov, T., Martin, E., Ahmed, R., Rohani Ghahari, R., Wagner, S., Holden, R., Mirro, M.J. (2018). Co-Designing with Older Adults with CHF Towards a Novel Patient-Facing Health Monitoring Dashboard. In Proceedings of the *American Medical Informatics Association (AMIA) 2018 Annual Symposium*, San Francisco, CA.

Howard, A., Flanagan, M., Drouin, M., Carpenter, M., Chen, E. M., Duchovic, C., & **Toscov, T.** (2018). Adult experts' perceptions of telemental health for youth: A Delphi study. *JAMIA Open*, 1(1), 67-74. <https://doi.org/10.1093/jamiaopen/ooy002>

Mohammadi, I., Wu, H., Turkcan, A., **Toscov, T.**, & Doebbeling, B. N. (2018). Data Analytics and Modeling for Appointment No-show in Community Health Centers. *Journal of Primary Care & Community Health*. <https://doi.org/10.1177/2150132718811692>

Mirro, M.J., Daley, C., Wagner, Sh., Rohani Ghahari, R., Drouin, M., **Toscov, T.** (2018). Delivering Remote Monitoring Data to Patients with Implantable Cardioverter-Defibrillators: Does Medium Matter? *Pacing and Clinical Electrophysiology Journal*. <https://doi.org/10.1111/pace.13505>

Kunjan, K., Wu, H., **Toscov, T. R.**, & Doebbeling, B. N. (2018). Large-Scale Data Mining to Optimize Patient-Centered Scheduling at Health Centers. *Journal of Healthcare Informatics Research*, 1-18.

Toscas, T., Carpenter, M., Drouin, M., Roebuck, A., Howard, A., Flanagan, M., & Kerrigan, C. (2018). Using Immediate Response Technology to Gather Electronic Health Data and Promote Telemental Health Among Youth. *eGEMS*, 6(1).

Kunjan, K., Doebbeling, B., & **Toscas, T.** (2018). Dashboards to support operational decision making in health centers: a case for role-specific design. *International Journal of Human-Computer Interaction*, 1-9.

Howard, A., Flanagan, M., Drouin, M., Carpenter, M., Chen, E., Duchovic, C., **Toscas, T.** (2018) Adult Consumers' and Mental Health Professionals' Perceptions of Telemental Health for Youth: A Delphi Study. *Journal of American Medical Informatics Association Open*. <https://doi.org/10.1093/jamiaopen/ooy002>

Toscas, T., Carpenter, M., Drouin, M., Roebuck, A., Kerrigan, C., & Mirro, M. (2018). College Students' Experiences with, and Willingness to Use, Different Types of Telemental Health Resources: Do Gender, Depression/Anxiety, or Stress Levels Matter?. *Telemedicine and e-Health*. <https://doi.org/10.1089/tmj.2017.0243>

Toscas, T., Carpenter, M., Flanagan, M.E., Kunjan, K., Doebbeling, B.N. (2018) Identifying Successful Practices to Overcome Access to Care Challenges in Community Health Centers: A "Positive Deviance" Approach. *Health Services Research and Managerial Epidemiology*. <https://doi.org/10.1177/2333392817743406>

Ghahari, R. R., Holden, R. J., Flanagan, M. E., Wagner, S., Martin, E., Ahmed, R., Daley, C., Tambe, R., Chen, E., Almmandinger, T., Mirro, M. J., **Toscas, T.** (2018). Using cardiac implantable electronic device data to facilitate health decision making: A design study. *International Journal of Industrial Ergonomics*, 64, 143-154. <https://doi.org/10.1016/j.ergon.2017.11.002>

Daley, C.N., Chen, E.M., Roebuck, A.E., Ghahari, R.R., Sami, A.F., Skaggs, C.G., Carpenter, M.D., Mirro, M.J. & **Toscas, 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. <https://doi.org/10.4338/ACI-2017-06-RA-0090>

Toscas, 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., **Toscas, T.** (2016) Missing links: Challenges in engaging the underserved with health information and communication technology. In *Proceedings of PervasiveHealth 2016*, Cancun, Mexico.

Toscas, 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., **Toscas, 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., **Toscos, 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., Allmandinger, T., Heral, L., **Toscos, 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., **Toscos, 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.

Toscos, 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.

Toscos, 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 **Toscos, 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.

Toscos, 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.

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

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Toscos, 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.

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

Consolvo, S., McDonald, D.W., **Toscos, 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.

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Rogers, Y., Connelly, K., Tedesco, L., Hazlewood, W., Kurtz, A., Hall, R.E., Hursey, J., **Toscov, 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]

Toscov, 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.

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BOOK CHAPTERS

Holden, R. J., **Toscov, T.**, & Daley, C. N. (2019). *Researcher reflections on human factors and health equity*. In *Advancing diversity, inclusion, and social justice through human systems engineering* (pp. 51-62). CRC Press.

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

Toscov, 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

CONFERENCE PRESENTATIONS

Pater, J., **Toscov, T.**, Flanagan, M., Drouin, M., McMahan, D., Distler, M., Hayes, P., Peters, N. (December 2022). Connecting Self-Reported COVID-19 Needs with Social Determinants of Health. Presented at the EAI International Conference on Pervasive Health. Thessaloniki, Greece. (podium presentation)

Pater, J., Guha, S., Pfafman, R., Kerrigan, C., **Toscov, T.** (December 2022). Spatio-Temporal Predictive Modeling for Placement of Substance Use Disorder Treatment Facilities in the Midwestern U.S. Presented at the EAI International Conference on Pervasive Health. Thessaloniki, Greece. (podium presentation)

Pater, J., Chang, F.L., Carroll, J., Stienecker, R.S., **Toscov, T.**, Guha, S. (November 2022). Charting the Changing Nature of Post-COVID Symptoms: Initial Findings from a Longitudinal Study. Presented at the American Medical Informatics Association Annual Meeting. Washington D.C. (podium presentation)

Toscov, T., Charles, M., Cornet, V. P. (July 2022). Inter-disciplinary Healthcare Collaborations: A Pathway to Solve Wicked Problems. Presented at the Nursing Science & Practice Conference, New York, NY. (podium presentation)

Toscov, T., Cornet, V. P., Charles, M., Cumbee, E., Gabet, C., Massing, E., & Stienecker, S. (June 2022). COVID-19 Vaccination Clinic Success: An Interdisciplinary Application of Simulation and Modeling. Presented at the International Symposium on Human Factors and Ergonomics in Health Care. New Orleans, LA. (podium presentation)

Beier, K. and **Toscov, T.** (April 2022) Social Determinants of Health and Breast Cancer Screening Rates: A Systematic Review Presented at the University of Michigan, Undergraduate Research Symposium. Ann Arbor, MI. (poster presentation)

Pater, J., Chang, F.L., Carroll, J., Stienecker, R.S., **Toscov, T.**, Guha, S. (2022). Charting the Changing Nature of Post-COVID Symptoms: Initial Findings from a Longitudinal Study. In proceedings at the American Medical Informatics Association Annual Meeting. Washington D.C. (podium presentation)

Robertson, R; Ahmed, R; **Toscov, T**; Cornet, V; Wagner, S; Colletta, S; Daley, C; and Mirro, M, "Technology and workflow recommendations to improve use of guideline directed medical therapy for heart failure with reduced ejection fraction." (2020). <https://researchrepositary.parkviewhealth.org/informatics/30>. (poster presentation)

Iott, B., Pater, J., Wagner, S., **Toscov, T.**, Veinot, T. Improving Social Determinants of Health Screening Implementation Through Collaboration: Leveraging a Clinical-Academic Partnership. To Appear American Medical Informatics Association Annual Symposium, November 2020 in Washington, DC (poster presentation)

Iott, B., Anthony, D., Pater, J., Wagner, S., **Toscov, T.**, Veinot, T. Nothing New Under the Sun: How Existing Screening Programs can Inform the Design of Social Determinants of Health Screening in Health Care. Academy Health July 2020, Virtual Meeting (poster presentation)

Kerrigan, C., Haaff, M., Blakeman, R., **Toscov, T.** *Community Inspired Innovations in Mental Health*. 10th Annual Drug Abuse Symposium October, Noblesville, IN 29-30, 2019 (podium presentation)

Kerrigan, C., Haaff, M., **Toscov, T.** Community Inspired Innovations in Mental Health. Association for Community Health Improvement (ACHI) Chicago, IL, March 19-21, 2019 (podium presentation)

Mirro, M., Rohani Ghahari, R., Ahmed, R., Drouin, M., **Toscov, T.** *Perceptions on Tailored Educational Messaging to Patients with Atrial Fibrillation: Towards*

Increased Patient Engagement and Medication Adherence, American Association of Heart Failure Nurses, 15th Annual Meeting from June 27-29, 2019 in Austin, TX (poster presentation)

Mirro, M., Wagner, S., Rohani Ghahari, R., Ahmed, R., Pfafman, R., Flanagan, M., Drouin, M., **Toscov, T.** *Impact of Tailored Educational Messaging on Medication Adherence for Patients with Atrial Fibrillation*. American Medical Informatics Association Clinical Informatics Conference, April 30 – May 2, 2019 in Atlanta, GA (podium presentation)

Toscov, T., Martin, E., Ahmed, R., Rohani Ghahari, R., Wagner, S., Holden, R.J., Mirro, M. J., *Co-Designing with Older Adults with CHF Towards a Novel Patient-Facing Health Monitoring Dashboard*. American Medical Informatics Association Annual Symposium, November 3-7, 2018 in San Francisco, CA (podium presentation)

Toscov, T., Ahmed, R., Rohani Ghahari, R., Martin, E., Wagner, S., Drouin, M., Mirro, M. *Designing Tailored Patient Education on Atrial Fibrillation*. American Medical Informatics Association Annual Symposium, November 3-7, 2018 in San Francisco, CA (poster presentation)

Mirro, M., Rohani Ghahari, R., Ahmed, R., Reining, L., Wagner, S., Lehmann, G., Heller, J. Omlor, M., **Toscov, T.** *A Patient-Centered Approach Towards Designing a Novel CIED Remote Monitoring Report*. Heart Failure Society of America Annual Scientific Meeting, September 15-18, 2018 in Nashville, TN (poster presentation)

Wagner, S., Ahmed, R., Rohani Ghahari, R., Martin, E., **Toscov, T.**, Mirro, M. J. *Design, Development, and Testing of a Novel Interface to Empower Patients to Act on CRT Remote Monitoring Data*. Indiana CTSI Annual Meeting, September 14, 2018 in Indianapolis, Indiana (poster presentation).

Toscov, T., Mere, C., Ahmed, R., Martin, E., Mirro, M. *Usability Testing in the Wild: Examining a Novel Interface to Empower Patients to Act on CRT Remote Monitoring Data*. Epic User Group Meeting, August 26-29, 2018 in Verona, WI (podium presentation)

Toscov, T., Mere, C., Ahmed, R., Martin, E., Mirro, M. *Give Me S'More Consumer Health Technology: A Multi-Platform Intervention to Support Medication Adherence*. Epic's 2018 User Group Meeting, August 27-30, 2018 in Verona, WI (podium presentation)

Row, J., White, B., **Toscov, T.** *Happy Campers: Outcomes of a Pilot Study of OpenNotes in Ambulatory Care*. Epic User Group Meeting, August 26-29, 2018 in Verona, WI (podium presentation)

Kerrigan, C., **Toscov, T.**, Hill, J., Ahmed, R., Drouin, M., Ehinger, S. *Technology Enabled On-Demand Support for Addiction Recovery*. American Hospital Association Leadership Summit, July 26-28, 2018 (podium presentation: **First Place, Innovation Competition**).

Reining, L., Drouin, M., **Toscov, 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)

Mirro, M., Daley, C., Wagner, S., Rohani Ghahari, R., **Toscov, T.** *Building and Evaluating a Patient-Facing Intervention to Deliver Implantable Cardioverter-Defibrillator Remote Monitoring Data to Patients via MyChart: Patient and Provider Perceptions*. American Medical Informatics Association Clinical Informatics Conference, May 8 – 10, 2018 in Scottsdale, AZ (podium presentation)

Chen, E.M., **Toscov, 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)

Toscos, 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., **Toscos, T.**, Mirro, M. *"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, October 1-4, 2017, Birmingham, UK (poster Presentation)

Roebuck, A., Carpenter, M., Daley, C., Rohani Ghahari, R., Wagner, S., Ahmed, R., **Toscos, T.**, Mirro, M. *Designing Tailored Health Messaging to Enhance Patient-Centered Care in Non-Valvular Atrial Fibrillation*. American College of Cardiology 66th Annual Scientific Session & Expo, March 17-19, 2017 Washington, D.C. (Poster Presentation)

Toscos, 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., **Toscos, 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., **Toscos, 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 **Toscos, 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 (podium presentation).

Wright, M., Carpenter, C., Duchovic, C., Kerrigan, C., and **Toscos, 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., **Toscos, 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., **Toscos, 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., **Toscos, T.** (November 2013) *Engaging Patients in Underserved Populations with Health Information Technology*, American Medical Informatics Association Annual Symposium, Washington, DC (podium presentation)

Toscos, 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 (Toscos), T.** (1992) *Effect of an individualized exercise prescription as a supplement to group weight loss programs*. The American Dietetics Association Annual Meeting (poster presentation)

INVITED TALKS

Toscos, T. and Kerrigan, C. *Innovative clinical programs in response to the opioid crisis: Case studies*, Medtronic's Neuroscience Healthcare: Executive Summit, Orlando, FL, September 19-20, 2019

Toscos, T. and Mere, C. *Challenges of Innovating with Consumer Health Technology*, Parkview Research Symposium, Fort Wayne, IN March 7, 2019

Kerrigan, C., **Toscos, T.** *Priority Intensive: Strategies to Combat the Opioid Epidemic*, Premier® QUEST2020™ Webinar, December 19, 2018

Toscos, 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 November 28, 2018

Toscos, T. *Engaging Patients with Consumer Health Technologies for Improved Health Outcomes* Invited speaker for University of Nebraska College of Information Science and Technology, Omaha, NE October 31, 2018

Toscos, T., Kerrigan, C. *Teens & Screens: Discussions on the Impact Technology Can Have on Youth Mental Health* Invited speaker for the first Annual Youth Mental Health Conference, Mirro Center for Research & Innovation, Fort Wayne, IN October 3, 2018.

Ehinger, S., Kerrigan, C., **Toscos, T.** *Health Innovation: Transforming the Future* Invited panelist, Indiana Hospital Association Annual Meeting, Indianapolis, IN September 26, 2018.

Toscos, T. *A Multi-Platform Intervention to Support Medication Adherence*. Computing Community Consortium Early Career Researcher Symposium, Computing Research Association, August 1-2, 2018 in Washington, DC

Toscos, T. *Engagement and patient portals to the electronic health record: Who are we leaving behind?* Computing Community Consortium Workshop on Sociotechnical Interventions for Health Disparity Reduction, Computing Research Association, April 9-10, 2018 in New Orleans, LA.

Toscos, T. *Co-creating Health Information Technology Platforms with Patients: An Innovative Approach Used at Parkview Research Center* Parkview Research Symposium, Fort Wayne, IN March 3, 2018

Toscos, 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

Toscos, 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

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

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

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

Toscos, T. *Strategies for Patient Messaging and Engagement*, Invited speaker at the 13th Annual Parkview Research Symposium "Past, Present and Future of

Research," Parkview Mirro Center for Research and Innovation, Fort Wayne, IN
March 5, 2016

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

Toscos, 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

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

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

DOCTORAL CONSORTIA

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.

GRANTS

"Rural Communities Opioid Response Implementation" **Program Evaluator** Award: \$1 mil. Source of funding: Health Resources and Services Administration (GA142924). Dates July 2021 to June 2024.

"Rural Communities Opioid Response Program - MAT Expansion" **Program Evaluator** Award: \$724,656. Source of funding: Health Resources and Services Administration (GA3RH33622). Dates October 2019 to September 2022.

"Suicide Prevention Navigators Coordinating Care for Suicidal Crisis and Domestic Violence Victims" **Program Evaluator** Award: \$772,322. Source of funding: Substance Abuse and Mental Health Services Administration (H79FG000440). Dates July 2020 to May 2022.

"Whole Health Integration: OUD/SUD Care Continuum Initiative" **Program Evaluator** Award: \$1.9 mil. Source of funding: Substance Abuse and Mental Health Services Administration (1H79TI081404-01). Dates October 2018 to September 2021.

"Peer Recovery Coach Mobile App" **Co-Principal Investigator** Innovation Competition Award: \$100,000. Source of funding: American Hospital Association. August, 2018

"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.

AWARDS

First Place, American Hospital Association Innovation Award (2018)

Technology Enabled On-Demand Support for Addiction Recovery, American Hospital Association Leadership Summit, July 26-28, 2018

<https://www.aha.org/news/insights-and-analysis/2018-11-29-how-parkview-health-using-mobile-technology-fight-opioid>

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>

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

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

OTHER PROFESSIONAL EXPERIENCE

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.

SERVICE WORK

Early Career Researcher Symposium. (2018, August). Computing Community Consortium. Washington, DC. **2018**

Workshop on Socio-technical Interventions for Health Disparity Reduction. (2018, April). National Computing Consortium. New Orleans, LA. **2018**

Co-Chair: Consumer Health Informatics in the Midwest Conference **2018,**
Co-chair of this conference pulling researchers throughout the Midwest for a day of sharing ideas and creating future collaborations **2014**

Program Committee: Workshop for Interactive Systems in Healthcare – American Medical Informatics Association Meeting **2020,**
2017

- Provided reviews for four conference abstract submissions

Technical Program Committee Member: Association for Computing Machinery Conference on Computer Human Interaction **2017**

- Coordinated meta-review of sixteen conference paper submissions

Program Committee Member: Workshop for Interactive Systems in Healthcare – Association for Computing Machinery Conference on Computer Human Interaction **2017**

- Provided reviews for four conference abstract submissions

Technical Program Committee Member: American Medical Informatics Association Annual Symposium **2016,**
2013

- Coordinated meta-review of eighteen conference paper submissions

IPFW Academic Computing and Information Technology Advisory (Senate) Sub-Committee (ACITAS) member – College of Health and Human Services representative **2013-**
2014

- Participated in technology strategic planning for IPFW campus

Campus Budget Committee member – College of Health and Human Services representative **2013 -**
2014

- Participated in budget planning for IPFW campus.

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

"Summer Clubhouse," Fort Wayne Community Schools

2004

- Developed and deployed written materials and exercises for school age children. Mapped to Indiana's state curriculum standards.

MEMBERSHIP

Association of Computing & Machinery (ACM)

American Medical Informatics Association (AMIA)

Healthcare Information & Management Systems Society (HiMSS)