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

Director, Health Services & Informatics Research  
Parkview Health Mirro Center for Research & Innovation

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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://www.ncbi.nlm.nih.gov/myncbi/tammy.toscos.1/bibliography/public/>

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

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### 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**

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### 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*

**Director, Health Services & Informatics Research 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.

RESEARCH SUPPORT

**AHRQ** (R21/R33 HS028880-01) Toscos (PI) 04/01/23 – 03/31/28

*Peer PLUS: A Client-Centered Digital Intervention for Addressing the Needs of Individuals with Substance Use Disorder*

This work is significant in its emphasis on a) just-in-time support for clients in recovery from substance use disorder; b) enhancing the evidence-based practice of peer recovery coaches (PRC); and c) a robust evaluation of a novel digital recovery support tool that scaffolds PRC-client connection and collaboration.

Role: PI

**HRSA** Kerrigan (PI) 10/01/19 – 09/30/22

*Rural Communities Opioid Response Program - MAT Expansion.*

The goal of this project is to evaluate the impact of providing a hub and spoke network of medication assisted therapy for individuals with opioid use/substance use disorder in urban and rural areas in Northeast Indiana.

Role: Program evaluation

**SAMHSA** Kerrigan & Toscos (PIs) 10/01/20 – 09/30/21

*Suicide Prevention Navigators Coordinating Care for Suicidal Crisis and Domestic Violence Victims.*

The goal of this study is to provide support services to those who have recently attempted suicide and those experiencing domestic violence.

Role: co-PD

**SAMHSA** Kerrigan (PI) 10/01/18 – 09/30/21

*Whole Health Integration: OUD/SUD Care Continuum Initiative* The goal of this grant is to provide medication assisted treatment to individuals with opioid use disorder (OUD).

Role: Program evaluation

**American Hospital Association** Kerrigan & Toscos (PI) 09/01/18 – 08/31/20

*Innovation Award – Peer Support Specialist Mobile Application*

The prize money from this competition allowed us to design and validate a mobile application to support individuals recovering from substance abuse disorder and other chemical dependencies during their recovery journey.

Role: co-PI

**Janssen Scientific Affairs** Toscos (PI) 02/01/16 – 12/30/18

*Keep it SIMPLE: Improving Anti-Coagulation Medication Adherence for Patients with non-valvular a-fib*

The goal of this project is to determine if tailored electronic patient messaging (informed by a platform of technologies evaluating compliance with recommended medication therapy) will enhance adherence with anticoagulant medication therapy in patients with non-valvular atrial fibrillation.

Role: PI

**AHRQ** (1R21HS025232-01) Holden (PI) 04/01/17 – 09/30/18

*Power to the patient: Design and Test of Closed-Loop Interactive Information Technology for Geriatric Heart Failure Self-Care*

This project will design and test information technology for older adults with chronic heart failure. The Power to the Patient system will use data from implanted electronic devices to help heart failure patients manage symptoms and take quick and appropriate actions to protect their health.

Role: Co-PI

**Biotronik** Toscos (PI) 01/01/16 – 11/30/18

*Engaging Patients in Heart Failure Management*

The goal of this project is to design and deploy tailored messaging delivered via a PHR to patients undergoing CRT with specific LV pacing information and alerts from CIED remote monitoring will result in 1) improved patient engagement, 2) an increased awareness of when to call the clinic for changes in therapy and

3) an improved percentage of LV pacing over 6 months compared to historical controls from the same clinic.

Role: PI

**Robert Wood Johnson Foundation** (73055) Toscos (PI) 10/01/15 – 09/30/17

*Perceptions of Telemental Health among Adolescents and Young Adults*

The goal of this project is to determine the perceived value of technology as an approach to aid youth, ages 14-24, to manage struggles with mental health.

Role: PI

**Medtronic** Toscos (PI) 05/01/17 – 12/30/17

*Towards Enhanced Compliance with CIED Remote Monitoring: Engaging Patients with CIED Data via PHR*

The goal of this project is to define novel strategies to engage patients with their CIED data, specifically the content and timing of CIED remote monitoring data delivered through the PHR.

Role: PI

**iRhythm** Toscos (PI) 01/01/17 – 08/31/17

*Mobile Cardiac Telemetry: Identifying Time Lapses in the Information Transmission of the Device Workflow*

Our aim was to identify clinical workflow issues with wear-time: time intervals from mobile cardiac telemetry device order to placement of the device and physician review of report; and resulting clinical action.

Role: PI

**PCORI** (IH-12-11-5488) Wu (PI) 10/01/13-09/30/16

*Improving Healthcare Systems for Access to Care and Efficiency by Underserved Patients*

The goal of this project is to redesign community health care systems to deliver timely care for common health problems that underserved patients and their caregivers need.

Role: Co-investigator

**St. Jude Medical** Mirro (PI) 10/01/14 – 08/30/15

The goal of this study was to determine if providing patients access to information regarding remote monitoring of their implanted ICD through their PHR would improve patient engagement and health outcomes.

Role: Co-investigator

**Office of National Coordinator** (EP-HIT-10-002) Mirro(PI) 01/01/14 – 08/01/14

The purpose of this feasibility study was to demonstrate that standardized data from remote Implantable Cardioverter Defibrillator (ICD) monitoring could be transmitted to a PHR and to examine patients' acceptance.

Role: Consultant

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## AWARDS/ HONORS

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- 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

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## BOOK CHAPTERS

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

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- Daley, C., Coupe, A., Allmandinger, T., Shirazi, J., Wagner, S., Drouin, M., Ahmed, R., **Toscovs, T.**, Mirro, M. (2023). Clinician use of data elements from cardiovascular implantable electronic devices in clinical practice. *Cardiovascular Digital Health Journal*. <https://doi.org/10.1016/j.cvdhj.2022.10.007>

Pater, J., **Toscoss, T.**, Flanagan, M., Drouin, M., McMahan, D., Distler, M., Hayes, P., Peters, N. (2022, December). Connecting Self-reported COVID-19 Needs with Social Determinants of Health. In *International Conference on Pervasive Computing Technologies for Healthcare* (pp. 207-225). Cham: Springer Nature Switzerland. [https://link.springer.com/chapter/10.1007/978-3-031-34586-9\\_15](https://link.springer.com/chapter/10.1007/978-3-031-34586-9_15)

Pater, J., Guha, S., Pfafman, R., Kerrigan, C., **Toscoss, T.** (2022, December). Spatio-Temporal Predictive Modeling for Placement of Substance Use Disorder Treatment Facilities in the Midwestern US. In *International Conference on Pervasive Computing Technologies for Healthcare* (pp. 429-438). Cham: Springer Nature Switzerland. [https://link.springer.com/chapter/10.1007/978-3-031-34586-9\\_28](https://link.springer.com/chapter/10.1007/978-3-031-34586-9_28)

**Toscoss, 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., **Toscoss, 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., **Toscoss, 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), oaac007. <https://doi.org/10.1093/jamiaopen/oaac007>

Richards, O. K., Iott, B. E., **Toscoss, 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., **Toscoss, 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 **Toscots 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, **Toscots 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](https://journals.lww.com/jcnjournal/Abstract/9000/Naturalistic_Decision_Making_in_Everyday_Self_care.99219.aspx)

Drouin, M., McDaniel, B. T., Pater, J., & **Toscots, 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>

**Toscots, 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>

**Toscots, 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>

**Toscots, 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, Toscos 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>

**Toscots, 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., **Toscots 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., **Toscots, 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., **Toscós, 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>

**Toscós, 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>

**Toscós, 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/>

**Toscós, 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., **Toscós, T.**, Mirro, M. J., & Holden, R. J. (2019, September). Patient-centered design grounded in user and clinical realities: towards valid digital health. In *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care* (Vol. 8, No. 1, pp. 100-104). Sage CA: Los Angeles, CA: SAGE Publications. <https://journals.sagepub.com/doi/pdf/10.1177/2327857919081023>

Pater, J., Reining, L., Miller, A., **Toscós, 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., **Toscós, 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:10.3390/bioengineering6010025>

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

**Toscós, 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., & **Toscós, 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., **Toscós, 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., **Toscoss, 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., **Toscoss, T. R.**, & Doebbeling, B. N. (2019). Large-Scale Data Mining to Optimize Patient-Centered Scheduling at Health Centers. *Journal of Healthcare Informatics Research*, 3, 1-18. <https://doi.org/10.1007/s41666-018-0030-0>

**Toscoss, 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). <https://up-j-gemgem.ubiquityjournal.website/articles/10.5334/egems.231>

Kunjan, K., Doebbeling, B., & **Toscoss, T.** (2019). Dashboards to support operational decision making in health centers: a case for role-specific design. *International Journal of Human-Computer Interaction*, 35(9), 742-750. <https://doi.org/10.1080/10447318.2018.1488418>

Howard, A., Flanagan, M., Drouin, M., Carpenter, M., Chen, E., Duchovic, C., **Toscoss, 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>

**Toscoss, 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>

**Toscoss, 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., **Toscoss, 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. & **Toscoss, 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>

**Toscoss, T.**, Carpenter, M.D., 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. <http://dx.doi.org/10.4108/eai.13-7-2017.152885>

Wright, M., Flanagan, M.E., Kunjan, K., Doebbeling, B.N., **Toscoss, T.** (2016) Missing links: Challenges in engaging the underserved with health information and

communication technology. In *Proceedings of PervasiveHealth 2016*, Cancun, Mexico. <http://dx.doi.org/10.4108/eai.16-5-2016.2263330>

**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 *AMIA Annual Symposium Proceedings* (Vol. 2015, p. 1042). American Medical Informatics Association. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4765619/>

Kunjan, K., **Toscov, T.**, Turkcan, A., & Doebbeling, B. N. (2015). A multidimensional data warehouse for community health centers. In *AMIA Annual Symposium Proceedings* (Vol. 2015, p. 1976). American Medical Informatics Association. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4765670/>

Daley, C., Allmandinger, 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.**, & Doebbeling, B. N. (2014). Patient-centered appointment scheduling using agent-based simulation. In *AMIA Annual Symposium Proceedings* (Vol. 2014, p. 1125). American Medical Informatics Association. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4419932/>

**Toscov, T.**, Connelly, K., & Rogers, Y. (2013, May). Designing for positive health affect: Decoupling negative emotion and health monitoring technologies. In *2013 7th International Conference on Pervasive Computing Technologies for Healthcare and Workshops* (pp. 153-160). IEEE. <https://eudl.eu/doi/10.4108/icst.pervasivehealth.2013.252116>

**Toscov, T.**, Connelly, K., & Rogers, Y. (2012, May). Best intentions: health monitoring technology and children. In *Proceedings of the SIGCHI conference on Human Factors in Computing Systems* (pp. 1431-1440). <https://doi.org/10.1145/2207676.2208603>

Johnson, S. F. and **Toscov, 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. <https://journals.iupui.edu/index.php/IndianaLibraries/article/view/1892>

**Toscov, T.**, Ponder, S.W., Anderson, B.J., Davidson, M.B., Lee, M.L., Montemayor-Gonzalez, E., Reyes, P., Link, E., and McMahan, K. (2012) Integrating an Automated Diabetes Management System into the family management of Children with Type 1 Diabetes. *Diabetes Care*, 35(3): 498-502. <https://doi.org/10.2337/dc11-1597>

**Toscov, T.** (2011). Digital Vigilance: Pervasive Technology for Children with Type 1 Diabetes. (Doctoral dissertation). ProQuest Dissertations & Theses. (3488119) <https://www.proquest.com/openview/a5ecec3e0bd1814ea389b87b4a47c104>

**Toscov, 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. <https://doi.org/10.1007/s10916-011-9721-2>

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

**Toscov, T.**, Connelly, K., & Rogers, Y. (2011, May). "What's your number?": A survey of how parents and teens cope with diabetes in the context of technology support. In *2011 5th International Conference on Pervasive Computing Technologies for Healthcare (PervasiveHealth) and Workshops* (pp. 210-213). IEEE.

**Toscov, T.**, Consolvo, S., & McDonald, D. W. (2010, November). "... is it normal to be this sore?": Using an Online Forum to Investigate Barriers to Physical Activity. In *Proceedings of the 1st ACM International Health Informatics Symposium* (pp. 346-355). <https://doi.org/10.1145/1882992.1883041>

**Toscov, T.** (2010, June). Using data to promote healthy behavior in children. In *Proceedings of the 9th International Conference on Interaction Design and Children* (pp. 344-347). <https://doi.org/10.1145/1810543.1810609>

Consolvo, S., McDonald, D.W., **Toscov, T.**, Chen, M.Y., Froehlich, J., Harrison, B., Klasnja, P., LaMarca, A., LeGrand, L., Libby, R., Smith, I., Landay, J.A. (2008, April). Activity sensing in the wild: a field trial of ubifit garden. In *Proceedings of the SIGCHI conference on human factors in computing systems* (pp. 1797-1806). <https://doi.org/10.1145/1357054.1357335>

**Toscov, T.**, Faber, A., Connelly, K., & Upoma, A. M. (2008, January). Encouraging physical activity in teens Can technology help reduce barriers to physical activity in adolescent girls?. In *2008 Second International Conference on Pervasive Computing Technologies for Healthcare* (pp. 218-221). IEEE. <https://ieeexplore.ieee.org/document/4571073> [Nominated for best paper]

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. P. (2006, April). Chick clique: persuasive technology to motivate teenage girls to exercise. In *CHI'06 extended abstracts on Human factors in computing systems* (pp. 1873-1878). <https://doi.org/10.1145/1125451.1125805>

Connelly, K., Faber, A., Rogers, Y., Siek, K., **Toscov, T.** (2006) Mobile Applications that Empower People to Monitor their Personal Health. Springer *e & i: Elektrotechnik und Informationstechnik* 123(4), 124 - 128. <https://doi.org/10.1007/s00502-006-0326>

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## CONFERENCE PRESENTATIONS

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- 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). (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

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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)

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**Toscov, 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., **Toscov, 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., **Toscov, 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)

**Toscov, 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., **Toscov, 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., **Toscov, 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 **Toscov, 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 **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)

**Toscos, 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)

**Toscos, 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., **Toscos, 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)

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

**Toscos, 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)

**Toscos, 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., & **Toscos, 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., **Toscos, 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., & **Toscos, T.** (October 2009). *EHRNE: Electronic Health Record for Nursing Education*. Cerner Healthcare Conference, Kansas City, MO (podium presentation)

**Toscos, 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)

**Toscos, 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)

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## INVITED TALKS

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**Toscov, 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

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

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

**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 November 28, 2018

**Toscov, 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

**Toscov, 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., **Toscov, T.** *Health Innovation: Transforming the Future* Invited panelist, Indiana Hospital Association Annual Meeting, Indianapolis, IN September 26, 2018.

**Toscov, 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

**Toscov, 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.

**Toscov, 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

**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 13<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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#### 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

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- Computing Research Association – Industry Counsel. Washington, DC.* **2023 - present**
- **12/12/23** Co-Authored the Computing Community Consortium (CCC) and CRA-Industry (CRA-I) [Response to the National Institutes of Health's Request for Information: Developing Consent Language for Research Using Digital Health Technologies](#)
  - **12/6/23** Organized and co-moderated a virtual roundtable for the Sharing Healthcare Data
  - **11/16-17/23** Participated in the Leadership in Science Policy Institute <https://cra.org/ccc/leadership-development/lispi/>
  - **10/19-20/23** Led the Preparing Students for Industry workshops at [LEVEL UP](#) Chicago. The goal of LEVEL UP is to build a united vision of inclusive undergraduate computing education
  - **9/19-20/23** Participated in the Congressional Visit Day to encourage funding of computing research
  - **6/12/23** Co-Authored Computing Community Consortium's [Response to The National Telecommunications & Information Administration's AI Accountability Policy Request for Comment](#)
- 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, 2014**  
Co-chair of this conference pulling researchers throughout the Midwest for a day of sharing ideas and creating future collaborations
- 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

<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 (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>	

*"Career Day" at Tippecanoe Valley Middle School* **2004**

- Developed and deployed outreach program encouraging children to consider a career in technology related fields.

*IPFW Summer Math Camp* **2004**

- 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.

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MEMBERSHIP

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

**American Medical Informatics Association (AMIA)**

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