

**CURRICULUM VITAE  
OF  
CARLY N. DALEY, MS**

**BUSINESS ADDRESSES**

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**EDUCATION**

Aug 2016 - present	PhD Health Informatics	Indiana University School of Informatics and Computing Indianapolis, Indiana
2013 - May 2016	Master of Science Health Informatics	Indiana University School of Informatics and Computing Indianapolis, Indiana
2002 - 2006	Bachelor of Arts Psychology	Earlham College Richmond, Indiana

**CURRENT POSITION**

Jan. 2021 – present	Research Scientist	Parkview Research Center Fort Wayne, Indiana
June 2019 – Jan. 2021	Research Medical Writer	Parkview Research Center Fort Wayne, Indiana
Oct 2012 – June 2019	Clinical Research Assistant/Research Coordinator	Parkview Research Center Fort Wayne, Indiana

## **AFFILIATIONS**

Parkview Regional Medical Center	11109 Parkview Plaza Drive Fort Wayne, Indiana 46845
Parkview Hospital Randallia	2200 Randallia Drive Fort Wayne, Indiana 46805
Parkview Physicians Group	10501 Corporate Drive Fort Wayne, Indiana 46845
Indiana University Purdue University Indianapolis	535 W. Michigan Street Indianapolis, Indiana 46202

## **CERTIFICATIONS**

2014	Certified Clinical Research Coordinator (CCRC)
2019	Adult and Pediatric First Aid/CPR/AED

## **CLINICAL RESEARCH EXPERIENCE**

<b><u>Year</u></b>	<b><u>Research Study</u></b>	<b><u>Sponsor</u></b>
2020 – present	CRT Metaphor Study	N/A (Parkview)
2019 – present	CIED Clinician Survey	N/A (Parkview)
2019 – present	ACC – GDMT	ACC
2017 - present	P2P: Power to the Patient	AHRQ
2015 – 2017	CRT-D-PHR BTK	Biotronik
2015 – 2016	CIED–PHR MTC	Medtronic
2015 – 2016	Keep it SIMPLE	Janssen Scientific Affairs, LLC
2014 – 2017	ICD-ePHR SJM	St. Jude Medical
2014	ICD-ePHR	ONC/IHIT/NoMoreClipboard,
2013	ePHR-INDIANA	ONC/IHIT/NoMoreClipboard,
2012	ePHR-COPE	ONC/IHIT/NoMoreClipboard,

## **PEER-REVIEWED JOURNAL PUBLICATIONS**

**Daley CN**, Toscos T, Allmandinger T, Ahmed R, Wagner S, Mirro M. Organizational models for cardiac implantable electronic device remote monitoring: Current and future directions. *Cardiac Electrophysiology Clinics*, 2021;13(3): 483-497.

**Daley CN**, Cornet VP, Toscos TR, Bolchini DP, Mirro MJ, Holden RJ. Naturalistic decision making in everyday self-care among older adults with heart failure. *Journal of Cardiovascular Nursing*, 2020, published ahead of print.

Toscos, T, **Daley, C**, Wagner, S, Coupe, A, Ahmed, R, Holden, R.J, Flanagan, M, Pfafman, R, Ghahari, RG and Mirro, M. 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*, 2020;1(2):97-106.

Toscos, T, Coupe, A, Wagner, S, Drouin, M, Roebuck, A, **Daley, C**, Carpenter, M and Mirro, M. Can nurses help improve self-care of patients living with atrial fibrillation? A focus group study exploring patients' disease knowledge gaps. *Nursing Open*, 2020.

Cornet, V, Toscos, T, Bolchini, D, Rohani Ghahari, R, Ahmed, R, **Daley, C**, Mirro, M, Holden, R. 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*, 2020;8(7):e17703.

**Daley, C**, Rohani Ghahari, R, Drouin, M, Ahmed, R, Wagner, S, Reining, L, Coupe, A, Toscos, T, Mirro, M. Involving patients as key stakeholders in the design of cardiovascular implantable electronic device data dashboards: Implications for patient care. *Heart Rhythm O2*, 2020.

Holden, R, **Daley, C**, Mickelson, RS, Bolchini, D, Toscos, T, Cornet, V, Miller, A, Mirro, MJ. Patient decision-making personas: An application of a patient-centered cognitive task analysis (P-CTA). *Applied Ergonomics*, 2020;87:103-107.

Cornet, V, **Daley C**, Cavalcanti LH, Parulekar A, Holden RJ. Design for self-care. In *Design for Health*, 2020:277-302. Academic Press.

Holden, R, Toscos, T, **Daley C**. 4 Researcher reflections on human factors and health equity. In *Advancing Diversity, Inclusion, and Social Justice Through Human Systems Engineering*, 2019:51. CRC Press.

**Daley, C**, Al-Abdulmunem, M, Holden, R. Knowledge among patients with heart failure: A narrative synthesis of qualitative research. *Heart & Lung*, 2019;48(6):477-485.

Ahmed, R, Toscos, T, Ghahari Rohani, R, Holden, R, Martin, E, Wagner, S, **Daley C**, Coupe, A, Mirro, M. Visualization of cardiac implantable electronic device data for older adults using participatory design. *Applied clinical informatics*, 2019;10(04):707-18.

**Daley, C**, Toscos, T, Mirro, M. Data integration and interoperability for patient-centered remote monitoring of cardiovascular implantable electronic devices. *Bioengineering*, 2019;6(1):25.

Mirro, M, **Daley, C**, Wagner, S, Rohani Ghahari, R, Drouin, M, & Toscos, T. Delivering remote monitoring data to patients with implantable cardioverter-defibrillators: Does medium matter? *Pacing and Clinical Electrophysiology*, 2018;41(11):1526-1535.

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

**Daley, C**, Chen, E, Roebuck, A, Gharari Rohani, R, Sami, A, Skaggs, C, Carpenter, M, Mirro, M, Toscos, T. Providing patients with implantable cardiac device data through a personal health record: A qualitative study. *Applied Clinical Informatics*, 2017;04:1106-16.

Toscos, T, **Daley, C**, Heral, L, Doshi R, Chen, Yu-Chieh, Eckert, G, Plant, R, Mirro, M. 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*, 2016;23(1):119-128.

### **OTHER PUBLICATIONS**

**Daley, C.**, Allmandinger, A., Heral, L, Toscos, T., Plant, R., Mirro, M. Engagement of ICD Patients: Direct electronic messaging of remote monitoring data via a personal health record. *EP Lab Digest*. 15; 5, 05-2015.

**Daley C.**, Doshi, R., Heral L., Mirro M.; Applying health information technology to enhance patient outcomes: A study on electronic personal health records in the management of coronary artery disease in northeast Indiana. *Cath Lab Digest*. 21; 8, 08-2013.

### **PEER-REVIEWED CONFERENCE POSTER & PODIUM PRESENTATIONS**

**Daley, C**, Bute, J, Toscos, T, Bolchini, D, Mirro, M, Holden, R. “The heart didn’t know enough to stop”: Insights from patient metaphors about living with cardiac implantable electronic devices. Kentucky Conference on Health Communication. Lexington, KY. April 3, 2020. (virtual) Poster Presentation.

Robertson RW, Howard K, Meisberger E, Keltner E, Flanagan M, Wagner SR, **Daley C**, Toscos T, Mirro M. Successful pharmacist intervention to optimize guideline directed medical therapy in heart failure patients. *Journal of the American College of Cardiology*. 2020 Mar 24;75(11\_Supplement\_1):958. Poster Presentation

**Daley C**, Cornet V, Patekar G, Kosarabe S, Bolchini D, Toscos T, Mirro M, Wagner S, Martin E, Ghahari RR, Ahmed R. Uncertainty management among older adults with heart failure: Responses to receiving implanted device data using a fictitious scenario interview method. In *Proceedings of the International Symposium on Human Factors and Ergonomics in Health Care*, 2019;8(1):127-130. Sage CA: Los Angeles, CA: SAGE Publications. Poster Presentation.

Cornet VP, **Daley C**, Bolchini D, Toscos T, Mirro MJ, Holden RJ. 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, 2019;8(1):100-104. Sage CA: Los Angeles, CA: SAGE Publications. Poster Presentation.

**Daley, C**, Bolchini, D, Varrier, A, Rao, K, Joshi, P, Blackburn, J, Toscos, T, Mirro, M, Wagner, S, Martin, E, Miller, A, Holden, R. Naturalistic Decision Making by Older Adults with Chronic Heart Failure: An Exploratory Study Using the Critical Incident Technique. In Proceedings of the Human Factors and Ergonomics Society Annual Meeting 2018 (Vol. 62, No. 1, pp. 568-572). Los Angeles, CA: SAGE Publications. Podium Presentation.

Holden, R Joshi, P, Rao, K, Varrier A, **Daley, C**, Bolchini, D, Blackburn, J, Toscos, T, Wagner, S, Martin, E, Miller, A, Mirro, M. Modeling Personas for Older Adults with Heart Failure. In Proceedings of the Human Factors and Ergonomics Society Annual Meeting 2018 (Vol. 62, No. 1, pp. 1072-1076). Los Angeles, CA: SAGE Publications. Poster Presentation.

Cornet, V, **Daley, C**, Srinivas, P, Holden, R. User-Centered Evaluations with Older Adults: Testing the Usability of a Mobile Health System for Heart Failure Self-Management. In Proceedings of the Human Factors and Ergonomics Society Annual Meeting 2017 Sep (Vol. 61, No. 1, pp. 6-10). Sage CA: Los Angeles, CA: SAGE Publications.

Roebuck A, Carpenter M, **Daley, C**, Ghahari RR, Wagner S, Ahmed R, Toscos T, Mirro M. Designing Tailored Health Messaging to Enhance Patient-Centered Care in Non-valvular Atrial Fibrillation. Journal of the American College of Cardiology 2017;11(69):2507. Poster Presentation.

**Daley, C**, Cornet V, Holden R. Lessons learned and not learned from usability testing of a geriatric self-care application. International Symposium on Human Factors and Ergonomics in Health Care. New Orleans, March 6 2017. Poster Presentation.

Mirro, M., Toscos, T., **Daley, C.**, Plant, R. Leveraging electronic personal health records to engage patients with implantable cardioverter – defibrillator (ICD) monitoring data. American Medical Informatics Association Joint Summits on Translational Science, 2015. Poster Presentation.

Sami, A., Chen, E., **Daley, C.**, Doshi, R., Heral, L., Toscos, T., Slotwiner, D., Plant, R., Mirro, M. Innovation in Cardiac Care: Direct Transmission of Remote Implantable Cardioverter Defibrillator Data to Patients through Their Electronic Personal Health Records. American Heart Association Scientific Sessions, 2014. Poster Presentation.

Mirro, M., **Daley, C.** Enhanced Patient Engagement in Patients with Cardiovascular Disease. Oral Presentation: Healthcare Information & Management Systems Society Annual Conference and Exhibition, 2014.

**Daley, C.**, Doshi, R., Plant, R., Heral, L., Mirro, M. Deployment of Electronic Personal Health Records Post-Coronary Intervention: Analysis of Outcomes and Patient Engagement. Poster presentation: American College of Cardiology Scientific Sessions, 2013.

### **INVITED TALKS**

**Daley, C.** (Apr, 2015). Deployment of Electronic Personal Health Records to Enhance Engagement and Outcomes for Cardiac Care Patients. *Parkview Research Symposium* Fort Wayne, IN.

Mirro, M., **Daley, C.** (Feb 2015). ONC Project Drives Results with High-Value, Consumer-Friendly Data. *Health Information Management Systems Society Patient Engagement Summit* Orlando FL.

### **INVITED JOINT SESSION PRESENTATIONS**

**Daley, C.**, Wohlwend, J. (Apr 2016) PEARLS: IDCO Session - Cardiac implantable device data integration. *Cardiology Advisory Council presentation, Epic Expert Group Meeting (XGM)*, Verona, WI.

### **CONFERENCE PARTICIPATION**

Interoperability Showcase presentation: Blue Button + Direct, Healthcare Information & Management Systems Society, New Orleans, Louisiana, March, 2013

### **AWARDS**

Healthcare Information and Management Systems Society (HIMSS) Indiana Chapter Graduate Scholarship Award – January 2021.

### **VOLUNTEER ACTIVITIES**

#### **Journal Reviewer**

Applied Clinical Informatics	2017 - present
American Medical Informatics Society	2016 – present

#### **Scribe:**

Human Factors and Ergonomics Society Annual Meeting (2018). *Town Hall on Patient-Centered Human Factors and Ergonomics*. (Oct 2, 2018).

AMIA Health Policy Invitational (Sept 2015). *Unlocking the Potential of Electronic Health Records: How Policymakers Can Impact the On-going Evolution of EHRs.*

**Committees**

Human Factors and Ergonomics Society Diversity Committee	2018 – 2020
Human Factors and Ergonomics Society Social Impact Committee	2018 – 2020