

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

**BUSINESS ADDRESSES**

Parkview Research Center  
10622 Parkview Plaza Drive  
Fort Wayne, Indiana 46845

Mirro Center for Research and Innovation  
10622 Parkview Plaza Drive  
Fort Wayne, Indiana 46845

phone: 260.266.5587  
fax: 260.266.5656  
carly.daley@parkview.com

**EDUCATION**

Aug 2016 - 2021	PhD Health Informatics	Indiana University School of Informatics and Computing Indianapolis, Indiana
Jan 2014 - May 2016	Master of Science Health Informatics	Indiana University School of Informatics and Computing Indianapolis, Indiana
Aug 2002 – May 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
Parkview Research Center Clinical Trials Office	3942 New Vision Drive Fort Wayne, Indiana 46845

## **RESEARCH EXPERIENCE**

<b><u>Year</u></b>	<b><u>Research Study</u></b>	<b><u>Sponsor</u></b>
2021 – present	MDT Clinician Interviews	Medtronic
2019 – present	ACC – GDMT	ACC
2020 – 2021	CRT Metaphor Study	N/A (Parkview)
2019 – 2020	CIED Clinician Survey	N/A (Parkview)
2017 – 2019	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, C**, Coupe, A, Allmandinger, T, Shirazi, J, Wagner, S, Drouin, M, Ahmed, R, Toscos, T, Mirro, M. Clinician use of data elements from implantable electronic devices in clinical practice. Cardiovascular Digital Health Journal, 2023;4(1):29-38.

**Daley, C**, 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, C**, Cornet, V, Toscos, T, Bolchini, D, Mirro, M, Holden, R. 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**

Lin, HY, Tan, YR, Pruitt, S, **Daley, C**, Cornet, VP. User-Centered Design Applications in Healthcare: Case Study of an Electronic Health Record-Integrated Visualization Tool for Heart Failure. Oral presentation at the International Symposium on Human Factors and Ergonomics in Health Care. Chicago, IL. March 26, 2024. Oral Presentation.

McCollom, J, Coupe, A, Cornet, V, Tan, YR, Lin, HY, Flanagan, M, **Daley, C**. PRO-SHOUT: Patient reported outcome supportive health in oncology utilizing technology. *JCO Oncology Practice*. 2023;19(11\_suppl):578.

**Daley, C**, Gregory, P, Robertson, R, Lin, HY, Pruitt, S, Cornet, V, Tan, YR, Shinde, AS, Carroll, J, Wagner, S, Toscos, T, Mirro, M. Design and technical feasibility of a guideline-directed medical therapy visualization application for heart failure with reduced ejection fraction. ACC Quality Summit. Orlando, FL. October 12, 2023. (Virtual) Poster Presentation.

Lin, HY, **Daley, C**. Lessons learned: Development and evaluation of a GDMT tracking tool integrated within an EHR System for HFrEF using HCD methodology. HIMSS Kentucky Bluegrass Chapter Annual Conference. Florence, IN. September 20, 2022. Podium Presentation.

Robertson, R, Ahmed, R, Toscos, T, Cornet, V, Wagner, S, Colletta, S, **Daley, C**, Mirro, M. Technology and workflow recommendations to improve use of guideline directed medical therapy for heart failure with reduced ejection fraction. ACC Quality Summit Virtual. October 8-9, 2020. Poster Presentation.

**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, R, Howard, K, Meisberger, E, Keltner, E, Flanagan, M, Wagner, S, **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; 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

### **VOLUNTEER ACTIVITIES**

#### **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*.