

Nate C. Apathy

Ph.D. Student, Health Policy & Management
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Education

Ph.D., Health Policy & Management

Public & Population Health Informatics

Richard M. Fairbanks School of Public Health

August 2016 – present

Indiana University

Indianapolis, IN

est. grad. Spring 2020

B.S., Business Administration (summa cum laude)

Major: Economics

Minor: Behavioral and Cognitive Neuropsychology

Creighton University, 2011

Omaha, NE

Positions and Employment

Department of Health Policy & Management

Richard M. Fairbanks School of Public Health

Indiana University, Indianapolis (IUPUI)

August 2016 – Present

T15 Biomedical Informatics & Data Science Trainee (NLM)

Graduate Research Assistant

Graduate Teaching Assistant

Aug. 2017 – Present

Aug. 2016 – Present

Aug. 2016 – Present

Cerner Corporation

Kansas City, MO

July 2011 – April 2016

Program Manager, Southcentral Foundation Innovation Collaborative

Product Manager, Research Software (i2b2)

Solution Architect, General Laboratory Software (Cerner PathNet)

Mar. 2015 – Apr. 2016

Aug. 2013 – Apr. 2016

Jul. 2011 – Aug. 2013

Academic Honors and Awards

IUPUI University Fellowship

Aug. 2016 – Jul. 2017

Current Working Papers

1. **Apathy, NC**; Harle, CA. Declining correlation between opioid prescribing rates and opioid overdose death rates, 2006-2016.
2. **Apathy, NC**; Everson, J; Vest, JR; Harle, CA. Provider usage volume of health information exchange and state consent policies.
3. **Apathy, NC**; Harle, CA; Roberts, A; Hayden, R; Vest, JR. Tools for visualizing patient-level risk factors derived from clinical risk prediction models.

Peer-Reviewed Publications

1. Balio, CP; **Apathy, NC**; Danek, R. Health information technology and accountable care organizations: synthesis of the literature and future directions. *eGEMs (Generating Evidence & Methods to improve patient outcomes)*. Accepted for publication.
2. **Apathy NC**; Yeager VA. Examining Training Motivations Among Public Health Workers. *Journal of Public Health Management and Practice*. 2019; 25 Supplement 2, Public Health Workforce Interests and Needs Survey 2017: S157-65.
3. Harle, CA; **Apathy, NC**; Cook, RL; Danielson, EC; Dilulio, J; Downs, SM; Hurley, RW; Mamlin, BW; Militello, LG; Anders, S. Information Needs and Requirements for Decision Support in Primary Care: An Analysis of Chronic Pain Care. *AMIA Annual Symposium Proceedings*. 2018 Nov 3-7. In Press.
4. **Apathy, NC**; Menser, T; Keeran, L; Ford, EW; Harle, CA; Huerta, TR. Trends and gaps in awareness of direct-to-consumer genetic tests from 2007-2014. *American Journal of Preventive Medicine*. 2018 Jun 1;54(6):806-13.
5. Mosa, AS; Yoo, I; **Apathy, NC**; Ko, KJ; Parker, JC. Secondary Use of Clinical Data to Enable Data-Driven Translational Science with Trustworthy Access Management. *Missouri Medicine*. 2015;112(6):443-448. <http://www.ncbi.nlm.nih.gov/pubmed/26821445>.

Conference Presentations

1. **Apathy, NC**. Association between physician usage of health information exchange and quality measures. *National Library of Medicine Informatics Training Conference*. Indianapolis, IN, 2019 June 23-25.
2. **Apathy, NC**; Harle, CA. Patient consent policies for state health information exchange and level of provider exchange. *Proceedings of the 2018 American Medical Informatics Association (AMIA) Annual Symposium*. San Francisco, CA, 2018 Nov 3-7.
3. **Apathy, NC**. Measurement of Health Information Exchange & Interoperability. *National Library of Medicine Informatics Training Conference*. Nashville, TN, 2018 June 4-5.
4. **Apathy, NC**; Vest, JR; Menachemi, N; Putz, JW; Morea, JG; Harle, CA. Differing patterns of satisfaction and perception among clinical and non-clinical users following replacement of a legacy EHR system. *Proceedings of the 2017 American Medical Informatics Association (AMIA) Annual Symposium*. Washington, D.C., 2017 Nov 4-8.

Poster Presentations

1. **Apathy, NC**; Vest, JR; Menachemi, N; Morea, JG; Harle, CA. Impact of Transitioning from a Homegrown to a Commercial EHR on User Satisfaction. *Poster presented at the 2019 AcademyHealth Annual Research Meeting*, Washington, D.C., June 2-4, 2019.
2. **Apathy, NC**; Everson, J. Variations in Primary Care Provider Competition Indices across Commonly Used Data Sources. *Poster presented at the 2019 AcademyHealth Annual Research Meeting*, Washington, D.C., June 2-4, 2019.
3. Balio, CP; **Apathy, NC**; Wiley, K; Holmes, A. The association between usual source of care at a patient-centered medical home and high-expense service utilization. *Poster presented at the 2018 AcademyHealth Annual Research Meeting*, Seattle, WA, June 24-26, 2018.
4. Harle, CA; Anders, S; **Apathy, NC**; Cook, RL; Danielson, EC; Dilulio, J; Downs, SM; Hurley, RW; Mamlin, BW; Militello, LG. Designing a user-centered electronic health record decision support system for guideline-concordant opioid prescribing. *Poster presented at the 2018 AcademyHealth Annual Research Meeting*, Seattle, WA, June 24-26, 2018.

5. **Apathy, NC;** Vest, JR; Menachemi, N; Harle, CA. Changes in user perceptions of their electronic health record following the replacement of a legacy system: a longitudinal analysis. *Poster presented at the 2017 AcademyHealth Annual Research Meeting, New Orleans, LA, June 24-27, 2017.*
6. Bako, AT; **Apathy, NC;** Vest, JR; Harle, CA. User concerns following replacement of a legacy electronic health record: A longitudinal qualitative study. *Poster presented at the 2017 AcademyHealth Annual Research Meeting, New Orleans, LA, June 24-27, 2017.*
7. **Apathy, NC;** Balio, CP; Danek, RL. Underrepresentation of health information technology studies in the context of accountable care organizations: Using the HSRProj database. *Poster presented at the 2017 AcademyHealth Annual Research Meeting, New Orleans, LA, June 24-27, 2017.*
8. **Apathy, NC;** Mosa, AS; & Ko, KJ. Protecting Patient Data and Maintaining Site Autonomy: Managing Project Access in a Multi-Site i2b2 Database. *Poster presented at the 2014 Annual Symposium of the American Medical Informatics Association, Washington, D.C., Nov. 15-19, 2014.*

Authored Web Applications

CHF Risk Prediction Tool (Demo)	RShiny, randomForest, & ggplot2	v1.2.1 deployed March 2019
Opioid Prescribing Rate Visualization Tool	RShiny, ggplot2, & leaflet	v2.0.0 deployed August 2018
EHR Survey Response Visualizer	RShiny & ggplot2	v2.0.0 released December 2018

Teaching Experience

H325: Health Information Technology Management & Policy	Instructor	Fall 2018, Fall 2019
E335: Chronic Disease Epidemiology	Guest Lecturer	Spring 2018
H628: Healthcare Information Systems	Teaching Assistant	Spring 2017, Spring 2019

Editorial Experience

AcademyHealth Annual Research Meeting, 2019 <i>Digital Technologies, Data, and Data Science Theme</i>	Theme Reviewer & Session Chair
Journal of the American Medical Informatics Association (JAMIA)	Assisted in Peer Review
AMIA Annual Symposium	Conference Submission Review
AMIA Informatics Summits	Conference Submission Review

Leadership & Service

AMIA Policy Response Team, ONC Notice of Proposed Rulemaking <i>21st Century Cures, Information Blocking</i>	March – April 2019
NLM Informatics Training Conference, 2018 & 2019 <i>Student Planning Committee Co-Chair</i>	Nov. 2018 – June 2019
<i>Student Planning Committee Member</i>	Jan. 2018 – June 2018
AcademyHealth Student Competition: Identifying Gaps in HSR, Judge	April 2018
hsR: Using R for Health Services Research, Workshop Instructor	Spring 2018
AcademyHealth Student Chapter at IUPUI, President & Co-Founder	Feb. 2017 – March 2018

Professional Memberships

American Medical Informatics Association (AMIA)	2013 – Present
AcademyHealth	2016 – Present
Health Information & Management Systems Society (HIMSS)	2016 – Present
Society for Judgment & Decision Making (SJDM)	2016 – 2017

Other Honors, Awards, and Certificates

Med About Data Hackathon (Haifa, Israel) – Second Place	March 2019
Population Health Leadership Development Program	Jan. 2015 – Dec. 2015
Cerner Masters Award	Aug. 2014
Successful Presentations – Advanced Facilitator	Certified May 2014
Bioscience Entrepreneurship Program (Creighton University)	Jan. 2010 – Dec. 2010

Research Interests

Health Information Technology	Health IT Policy	Population Health Informatics
Health Information Exchange	Health IT Quality Measurement	Health Economics