

# CARVER COLLEGE OF MEDICINE CURRICULUM VITAE

Patrick B. Barlow, PhD.

July 2024

## **I. EDUCATIONAL AND PROFESSIONAL HISTORY**

### **A. List of institutions attended (earliest to most recent)**

2010	BA (Psychology & English) - St. John's University, Collegetown, Minnesota, United States
2014	PhD (Educational Psychology and Research) - University of Tennessee, Knoxville, Tennessee, United States

### **B. Professional Development Activities**

### **C. Employment History**

2008 - 2010	Teagle Research Scholar in the Office of Academic Review and Curricular Advancement The College of Saint Benedict and Saint John's University
2010 - 2012	Graduate Research Assistant University of Tennessee Graduate School of Medicine, Educational Psychology Department, and the Institute for Assessment and Evaluation, Knoxville, Tennessee
2011 - 2012	Internship in Evaluation, UT-PSCC Bridge Program Evaluation University of Tennessee, Knoxville, Tennessee, United States
2014	Postdoctoral Research Associate, Pugh Research Lab, Department of Surgery University of Wisconsin-Madison School of Medicine & Public Health, Madison, Wisconsin, United States
2012 - 2014	Graduate Student Intern University of Tennessee Graduate School of Medicine, Knoxville, Tennessee, United States
2013 - 2014	Graduate Research Assistant University of Tennessee (Institute for Assessment and Evaluation), Knoxville, Tennessee, United States
2014 - Present	Assistant Professor, Evaluation Consultant, The Office of Consultation & Research in Medical Education (OCRME) Department of Internal Medicine, University of Iowa Carver College of Medicine, Iowa City, Iowa, United States
2015 - Present	Associate Director of Program Evaluation - The University of Iowa Institute for Clinical & Translational Science Iowa City, Iowa
2021 - 2023	Clinical Assistant Professor, Evaluation Consultant, The Office of Consultation & Research in Medical Education (OCRME) Department of Internal Medicine, University of Iowa Carver College of Medicine, Iowa City, Iowa, United States

Patrick Barlow – July 2023

2023 - Present  
Clinical Associate Professor, Evaluation Consultant, The Office of Consultation & Research in Medical Education (OCRME)  
Department of Internal Medicine, University of Iowa Carver College of Medicine, Iowa City, Iowa, United States

**D. Honors, Awards, Recognitions, Outstanding Achievements**

2012  
2nd Place Award for oral presentation: "Non-steroidal anti-inflammatory medications impact non-union and infection rates in long bone fractures." - Presented at the Tennessee Committee on Trauma Competition organized by the Tennessee Chapter of the American College of Surgeons Annual Scientific Meeting

2015  
1st Place Abstract Poster Award: Training Family Medicine Residents in Care Coordination: Can a Care Coordination Program for Patients with Physical and Mental Health Conditions Be Effective at Reducing Emergency Department Utilization? - Presented at the 2015 Graduate Medical Education's Annual Leadership Symposium at The University of Iowa

2016  
Family Medicine Research Poster Award: "Increasing Focus on Communication Skills in Clinical Teaching: A pilot study" - 2016 Carver College of Medicine Medical Student Research Day

2017  
Outstanding Student MESRE Poster Award: "Increasing Focus on Communication Skills in Clinical Teaching: A pilot study" - 2017 AAMC Central Group on Educational Affairs Spring Conference

2019  
Abstract Poster Award - Graduate Medical Education's Annual Leadership Symposium

**II. TEACHING**

**A. Teaching assignments**

**Classroom, Seminar, Teaching Laboratory**

Spring 2011  
Statistics in Applied Fields I  
The University of Tennessee, Knoxville  
for graduate students in the College of Education, Health & Human Sciences, Teaching Assistant

Fall 2011  
Statistics in Applied Fields II  
The University of Tennessee, Knoxville  
for graduate students in the College of Education, Health & Human Sciences, Teaching Assistant

Fall 2012  
Principles of Epidemiology  
The University of Tennessee, Knoxville  
for graduate students in the College of Education, Health & Human Sciences, Teaching Assistant

Fall 2012  
Survey Research  
The University of Tennessee, Knoxville  
for graduate students in the College of Education, Health & human Sciences, Teaching Assistant

Patrick Barlow – July 2023

Spring 2015	Educational Research & Evaluation (MED:9703) The University of Iowa Carver College of Medicine for Master of Medical Education students in the university of Iowa Carver College of Medicine, Course Director
Summer 2015	Independent Study in Research Methods & Evaluation for Dr. Beeling Armijo (MED: 9722) The University of Iowa Carver College of Medicine for Master of Medical Education program in the University of Iowa Carver College of Medicine, Course Director
Fall 2015	Ambulatory Practice Module Critical Analysis for Medical Students The University of Iowa Carver College of Medicine Small Group Facilitator
Fall 2015	Clinical & Professional Skills I (MED: 8121) The University of Iowa Carver College of Medicine for Medical Students in the University of Iowa Carver College of Medicine, Guest Lecturer
Fall 2015	Implementation Science The University of Iowa College of Public Health Introduction to Clinical Epidemiology (EPID:5500:001), October 14
Fall 2015	Individually Arranged Research Elective in Program Evaluation (IM: 8498) The University of Iowa Carver College of Medicine for Christine Todd (M4), Course Director
Fall 2015	Survey Research The University of Iowa College of Public Health Introduction to Clinical Epidemiology (EPID:5500:001), October 7
February 2016	Survey Methods & Design presentation for the Teaching Scholars Program The University of Iowa Carver College of Medicine
Spring 2016	Ambulatory Practice Module Critical Analysis The University of Iowa Carver College of Medicine for Medical Students, Small Group Facilitator (x2)
Spring 2016	Individually Arranged Research Elective in Program Evaluation (IM: 8498) The University of Iowa Carver College of Medicine for Kale Manuel (M4), Course Director
Fall 2016	Educational Research & Evaluation (MED: 9703) The University of Iowa Carver College of Medicine for Master of Medical Education students, Course Director
Fall 2016	Medicine & Society III (MED: 8222) The University of Iowa Carver College of Medicine for Medical Students, Small Group Facilitator (6 sessions)
2017	Ambulatory Practice Module Critical Analysis for Medical Students University of Iowa Carver College of Medicine Small Group Facilitator

Patrick Barlow – July 2023

2017	Medicine and Society II (MED: 8223) The University of Iowa Carver College of Medicine Small Group Facilitator (4 sessions) for Medical Students
Fall 2017	Educational Research & Evaluation (MED: 9703) The University of Iowa Carver College of Medicine for Master of Medical Education students
Fall 2017	Fundamentals of Measurement The University of Iowa College of Public Health Introduction to Clinical Epidemiology (EPID:5500:001), October 18
Fall 2017	Medicine & Society III (MED: 8222) The University of Iowa Carver College of Medicine for Medical Students Small Group Facilitator (6 Sessions)
Spring 2018	Independent Study in Research Methods & Evaluation for Dr. Aaron Kunz (MED:9722) The University of Iowa Carver College of Medicine for Master of Medical Education program in the University of Iowa Carver College of Medicine
Summer 2018	Independent Study in Research Methods & Evaluation for Dr. Mark Mceleney (MED:9722) The University of Iowa Carver College of Medicine for Master of Medical Education program in the University of Iowa Carver College of Medicine
Fall 2018	Education Research & Evaluation (MED:9703) The University of Iowa Carver College of Medicine for Master of Medical Education students
Fall 2018	Fundamentals of Measurement The University of Iowa College of Public Health Introduction to Clinical Epidemiology (EPID:5500:001)
Fall 2019	Fundamentals of Measurement The University of Iowa College of Public Health Introduction to Clinical Epidemiology (EPID:5500:001)
Fall 2019	Simulation in Medical Education (MED:9725) The University of Iowa Carver College of Medicine for Master of Medical Education students
Spring 2020	Individually Arranged Research Elective in Medical Education Research (IM: 8497) The University of Iowa Carver College of Medicine for Melissa Chan (M4), Course Director
Fall 2020	Education Research & Evaluation (MED:9703) The University of Iowa Carver College of Medicine for Master of Medical Education students
Fall 2020	Fundamentals of Measurement The University of Iowa College of Public Health Introduction to Clinical Epidemiology (EPID:5500:001)
Spring 2021	Independent Study in Research Methods & Evaluation for Ms. Wanda Pfeifer (MED:9722)

Patrick Barlow – July 2023

The University of Iowa Carver College of Medicine for Master of Medical Education program in the University of Iowa Carver College of Medicine

Fall 2021	Education Research & Evaluation (MED:9703) The University of Iowa Carver College of Medicine for Master of Medical Education students
Fall 2021	Independent Study in Research Methods & Evaluation for Dr. Carly Kuehn (MED:9722) The University of Iowa Carver College of Medicine for Master of Medical Education program in the University of Iowa Carver College of Medicine
Fall 2022	Education Research & Evaluation (MED:9703) The University of Iowa Carver College of Medicine for Master of Medical Education students
Fall 2022	Independent Study in Research Methods & Evaluation for Dr. Alex Tuttle (MED:9722) The University of Iowa Carver College of Medicine for Master of Medical Education program in the University of Iowa Carver College of Medicine
Spring 2023	Introduction to Measurement (MED: 9712) The University of Iowa Carver College of Medicine for Master of Medical Education Program
Fall 2023	Education Research & Evaluation (MED:9703) The University of Iowa Carver College of Medicine for Master of Medical Education students
Spring 2024	Independent Study in Research Methods & Evaluation for Dr. Catherine Metz (MED:9722) The University of Iowa Carver College of Medicine for Master of Medical Education program in the University of Iowa Carver College of Medicine
Spring 2024	Independent Study in Research Methods & Evaluation for Dr. Melissa Ludgate (MED:9722) The University of Iowa Carver College of Medicine for Master of Medical Education program in the University of Iowa Carver College of Medicine
Spring 2024	Independent Study in Research Methods & Evaluation for Dr. Arsenije Kojadinovic (MED:9722) The University of Iowa Carver College of Medicine for Master of Medical Education program in the University of Iowa Carver College of Medicine
Spring 2024	Independent Study in Research Methods & Evaluation for Christian Junker (MED:9722) The University of Iowa Carver College of Medicine for Master of Medical Education program in the University of Iowa Carver College of Medicine

**B. Student Supervision (\* indicates chair of the committee)**  
**Graduate Students**

Patrick Barlow – July 2023

- 2015 - 2017 Beeling Armijo - MD - Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Research Topic: Test development for Resident Knowledge of Pediatric Blood & Neoplastic Disorders*  
*Funding: "Program in Hematology: Molecular and Cell Biology of Blood Cells" (NIH T32 HL07734)*  
*Bee completed her MME degree in 2017*
- 2016 - 2017 Bharat Kumar - MD - Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Bharat completed his MME degree as part of his fellowship training*
- 2016 - 2019 Patrick McCarthy - MD - Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Patrick completed his MME degree in 2019*
- 2017 - 2019 Mark Mceleney - MD - Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Mark completed his MME degree in 2019*
- 2017 - 2020 Ilonka Molano - MD - Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Ilonka completed her MME degree in 2020*
- 2018 - 2021 Megan McDonald - MD - Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Megan completed her MME degree in 2021*
- 2019 - 2022 Elizabeth Takacs - MD - Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Liz completed her MME degree in 2022*
- 2020 – 2024 Matthew Soltys – MD – Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Matthew completed his MME degree in 2024*
- 2020 (January) – 2020 (April) Brenna Berry-Butler - PhD candidate - Degree Objective: PhD in Program Evaluation, Statistics, and Measurement  
University of Tennessee
- 2023 – Present Arsenije Kojadinovic – MD – Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Arsenije is completing his MME degree beginning in 2023*
- 2022 – 2023 Melissa Ludgate – MD – Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Melissa is completing her MME degree beginning in fall 2022*

2023 – Present	<u>Patrick Barlow – July 2023</u> Autumn VandenHouten – PA(ASCP) – Degree Objective: Master of Medical Education (MME) University of Iowa Autumn is completing her MME degree beginning in 2023
2024 – Present	Miriam Murray – MD – Degree Objective: Master of Medical Education (MME) University of Iowa Miriam is completing her MME degree beginning in 2024
2024 – Present	Amy Graham – Degree Objective: Master of Medical Education (MME) University of Iowa Amy is completing her MME degree beginning in 2024

### **Supervised Research**

2014 - 2015	University of Iowa Carver College of Medicine <i>Student Caduceus Liaison Committees</i>  <i>Research Topic: Acting as a faculty advisor to groups of 6-8 first and second-year medical students who are charged with conducting an evaluation of a particular course, preparing a report of the results, and presenting it to the Medical Arts &amp; Sciences Committee</i>
2014 - 2015	Aaron Lacy - M1 University of Iowa <i>Research Topic: Liaison Committee Evaluation Presentations for the American Evaluation Association National Meeting, with Ethan Craig (M2)</i>
2014 - 2015	Ethan Craig - M2 University of Iowa <i>Research Topic: Liaison Committee Evaluation Presentations for the American Evaluation Association National Meeting, with Aaron Lacy (M1)</i>
2015	Christina Todd - M4 University of Iowa <i>Research Topic: Research Elective; Evaluation of the CoMeBEH Care Management Program</i>
2015 - 2016	Marielle Meurice - M3 University of Iowa <i>Research Topic: Evaluation of the Iowa City Shelter House</i>
2015 - 2016	Beeling Armigo - MD University of Iowa <i>Research Topic: Predictors of Health Disparities in Children with Hemophilia</i>  <i>Funding: "Program in Hematology: Molecular and Cell Biology of Blood Cells" (NIH T32 HL07734)</i>
2015 - 2016	University of Iowa Carver College of Medicine <i>Student Caduceus Liaison Committees</i>  <i>Research Topic: Ongoing program evaluation research with a group of M1-M4 students who are interested in evaluating various components of the Liaison Committee process at CCOM</i>
2015 - 2016	Anthony Berger - M4 University of Iowa <i>Research Project: Medical Student Career Trajectory Longitudinal Survey</i>

Patrick Barlow – July 2023

- 2016  
Kale Manuel - M4  
University of Iowa  
*Research Topic: Content Analysis of ICTS Pilot Program Letters of Intent*
- 2015 - 2017  
Marielle Meurice - M4  
University of Iowa  
*Research Topic: Women's Health Survey for Shelter House Residents, with Lindsay Goad (M4)*
- 2016 - 2017  
University of Iowa Carver College of Medicine  
*Student Caduceus Liaison Committees*  
*Research Topic: Acting as a faculty advisor to groups of 6-8 first and second-year medical students who are charged with conducting an evaluation of a particular course, preparing a report of the results, and presenting it to the Medical Arts & Sciences Committee*
- 2016 - 2017  
Lindsay Goad - M4  
University of Iowa  
*Research Topic: Women's Health Survey for Shelter House Residents, with Marielle Meurice (M4)*
- 2016 - 2017  
Beeling Armijo - MD  
University of Iowa  
*Research Topic: Test development for Resident Knowledge of Pediatric Blood & Neoplastic Disorders*  
*Funding: "Program in Hematology: Molecular and Cell Biology of Blood Cells" (NIH T32 HL07734)*
- 2017 - 2018  
University of Iowa Carver College of Medicine  
*Student Caduceus Liaison Committees*  
*Research Topic: Acting as a faculty advisor to groups of 6-8 first and second-year medical students who are charged with conducting an evaluation of a particular course, preparing a report of the results, and presenting it to the Medical Arts & Sciences Committee*
- 2017 - 2019  
Kasra Zarei - M1 - M2  
*Student Caduceus Liaison Committees*  
*Research Topic: Evaluating the Impact of the Longitudinal Intervention to Improve the Liaison Committee Process*
- 2016 – 2021  
Nicole Krois - D2 - D4  
*Research Topic: Development of the DECLEI Instrument for Assessing Dental Clinical Learning Environments*
- 2016 – 2019  
Ryan Rucker - D2 - D4  
*Research Topic: Development of the Ageism Scale for Dentistry Students*
- 2018 - 2019  
University of Iowa Carver College of Medicine  
*Student Caduceus Liaison Committees*  
*Research Topic: Acting as a faculty advisor to groups of 6-8 first and second-year medical students who are charged with conducting an evaluation of a particular course, preparing a report of the results, and presenting it to the Medical Arts & Sciences Committee*



Patrick Barlow – July 2023

- 2019 - 2020 Kelsey Koch - MD  
University of Iowa  
*Research Project: Mentoring and Educating the Surgical Intern: The Role of Senior Residents.*
- 2019 - 2021 Lauren Hock - MD  
University of Iowa  
*Research Project: The Prevalence and Quality of Training for Medical Students Surrounding Patient-Initiated Sexual Harassment; and The Prevalence and Quality of Training for Medical Residents, Fellows, and Faculty Surrounding Patient-Initiated Sexual Harassment.*
- 2020 - 2021 Destinee Gwee - M3-M4  
University of Iowa  
*Research Project: The Prevalence and Quality of Training for Medical Students Surrounding Patient-Initiated Sexual Harassment.*
- 2020 – 2021 Melissa Chan – M3-M4  
University of Iowa  
*Research Project: The Impact of COVID-19 on CCOM Student Mental Health*
- 2021 (Spring) Wanda Pfeifer - OC(C), COMT  
University of Iowa  
*Research Project: The Obstacles of Clinical Education Survey in Orthoptics (OCESO)*
- 2021 (Fall) Carly Kuehn – MD  
University of Iowa  
*Research Project: Evaluation of Quality Improvement Rotation for Internal Medicine Residents*
- 2022 (Fall) Alex Tuttle – MD  
University of Iowa  
*Research Project: Qualitative Evaluation of Novel eBook on Inpatient Diabetes Mellitus Management*
- 2023 – Present Maiti Peters – M2-M3, Hannah Sullivan – M3-M4, and Emma Phelps – M3-M4  
University of Iowa  
*Research Project: Survey Development to Evaluate Reproductive and LGBTQ+ Healthcare Content in the CCOM Curriculum*

**Thesis Committee**

- 2015 - 2016 Kelly Sass - Degree Objective: PhD  
University of Iowa, Iowa City, IA  
*Kelly successfully completed her PhD in Educational Psychology in May of 2016*
- 2015 - 2016 Andrea Weber - Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Andrea successfully completed her MME degree in May of 2016*
- 2016 - 2017 Beeling Armijo - Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Bee successfully completed her MME degree in May of 2017*
- 2016 - 2017 Bharat Kumar - Degree Objective: Master of Medical Education (MME)  
University of Iowa  
*Bharat successfully completed his MME degree in May 2017*

Patrick Barlow – July 2023

2017 - 2019	Zhiya Zuo - Degree Objective: PhD University of Iowa <i>He completed his Interdisciplinary PhD in Informatics in May 2018</i>
2018 - 2019	Mark Mceleney - Degree Objective: Master of Medical Education (MME) University of Iowa <i>Mark completed his MME degree in May 2019</i>
2018 - 2019	Michelle Krupp - Degree Objective: Ed.D. Nebraska Methodist College <i>Served as an Ex Officio Member of Michelle's Ed.D. Capstone Project committee advising on research design, implementation, and analysis. Michelle completed her Ed.D. in 2019</i>
2018 - 2019	Patrick McCarthy - Degree Objective: Master of Medical Education (MME) University of Iowa <i>Patrick completed his MME degree in 2019</i>
2017 – 2020	Ilonka Molano - MD - Degree Objective: Master of Medical Education (MME) University of Iowa <i>Ilonka completed her MME degree in 2020</i>
2020	Sarah Shaffer – MD – Degree Objective: Master of Medical Education (MME) University of Iowa <i>Sarah completed her MME degree in 2020</i>
2018 - 2021	Megan McDonald - MD - Degree Objective: Master of Medical Education (MME) University of Iowa <i>Megan completed her MME in 2021</i>
2019 – 2021	Elizabeth Takacs - MD - Degree Objective: Master of Medical Education (MME) University of Iowa <i>Liz completed her MME in 2021</i>
2021 – 2022	Wanda Pfeifer - OC(C), COMT – Degree Objective: Master of Medical Education (MME) University of Iowa <i>Wanda completed her MME degree in 2022</i>
2023 – Present	Demah AIGheithy – Degree Objective: PhD University of Iowa <i>Demah is completing her PhD in Oral Science</i>
2024	Matthew Soltys, MD – Degree Objective: Master of Medical Education (MME) University of Iowa <i>Matthew completed his MME degree in 2024</i>

**C. Other Teaching Contributions**

**Formal Study to Improve Teaching Abilities**

2009	Teagle Research Scholar Training - Saint John's University, Collegeville, MN <i>One semester of graduate-level educational research training to prepare three students for assisting faculty and staff members with assessment research, conducted by Dr. Philip Kramer.</i>
------	---

Patrick Barlow – July 2023

- 2008 - 2010 Assessment 101 - Saint John's University and the College of Saint Benedict, Collegeville, MN  
Series of 24 workshops focused on educating faculty members and staff on effective assessment techniques, conducted by Dr. Philip Kramer and Dr. Kenneth Jones.
- 2010 SPSS Training Workshop - University of Tennessee, Knoxville, TN  
Three-hour training session on data management and statistical analyses, conducted by Dr. Jennifer Ann Morrow.
- 2011 Finding Funding - University of Tennessee, Knoxville, TN  
Two-hour workshop focused on using online tools to find funding sources, conducted by Dr. Bob Porter.
- 2011 Writing Successful Grants, Parts I & II - University of Tennessee, Knoxville, TN  
Two 2-hour workshops on basic principles of good grant writing, conducted by Dr. Bob Porter.
- 2012 Best Practices in Teaching Program - University of Tennessee, Knoxville, TN  
Seven-session workshop program on teaching-related topics, conducted by Dr. Joy DeSensi, Associate Dean of the Graduate School.
- 2014 Team-based Simulation Design & Debriefing - University of Iowa Carver College of Medicine, Iowa City, IA  
Three-day workshop program on designing, evaluating, and debriefing team-based medical simulations, conducted by Dr. Kristi Ferguson, Dr. Paul Leonard, & Dr. Thomas Persoon
- 2016 Results Based Accountability (RBA) Master Class for Advanced Practitioners - American Evaluation Association Annual Meeting, Atlanta, GA  
A full day workshop facilitated by Mark Friedman, the creator of RBA.
- 2017 Mentor Training for Clinical & Translational Researchers - University of Iowa Institute for Clinical & Translational Science, Iowa City, IA  
A two-day workshop program that uses the National Research Mentoring Network mentor training curriculum to improve the mentorship skillset of junior and senior faculty.

**Institutional Conferences, Grand Rounds, Journal Clubs, Etc.**

- 2011 Course: Statistics in Applied Fields I, (audience), Teaching Assistant - University of Tennessee Medical Center, Knoxville, TN  
Spring 2011
- 2011 Fellowship Research Week for all incoming Fellows - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2012 Fellowship Research Week for all incoming Fellows - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2012 Lecture series for Internal Medicine residents - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator

Patrick Barlow – July 2023

- 2012 Lecture series for Internal Medicine Transitional Year residents - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2012 Lecture series for Nurses Research Council - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2012 Lecture series for Pathology residents - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2012 Lecture series for Pharmacy residents - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2012 Radiology Research Presentations for Radiology Residents - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2013 Fellowship Research Week for all incoming Fellows - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2013 Lecture series for Family Medicine residents and faculty - University of Tennessee Medical Center, Knoxville, TN  
Guest Co-Facilitator
- 2013 Lecture series for Obstetrics & Gynecology residents - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2013 Lecture series for Pathology residents - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2013 Lecture series for Pharmacy residents - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator (Summer & Spring)
- 2013 Lecture series for residents in Anesthesiology, Family Medicine, Radiology, OG-BYN, Oralmaxiofacial Surgery, Pharmacy, and Internal Medicine - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2014 Lecture series for Internal Medicine, Family Medicine, and Transitional Year residents - University of Tennessee Medical Center, Knoxville, TN  
Co-Facilitator
- 2017 Institute for Clinical & Translational Science Clinical Lecture Series - Five Simple Strategies for Survey Creation for faculty and staff at the University of Iowa - University of Iowa, Iowa City, Iowa  
Facilitator
- 2017 Institute for Clinical & Translational Science Clinical Lecture Series - Nuts and Bolts of Constructing Your Survey Instruments for faculty and staff at the University of Iowa - University of Iowa, Iowa City, Iowa  
Facilitator

Patrick Barlow – July 2023

- 2017 Comparing Research Designs in Medical Education for Faculty in Family Medicine - Cedar Rapids Family Medicine, Cedar Rapids, IA  
Facilitator
- 2018 Morning Rounds Educational Conference – Common Approaches to Medical Education Research for faculty and staff in the department of Ophthalmology at the University of Iowa - University of Iowa, Iowa City, Iowa
- 2019 Pharmacy Educators Preparation Program for Residents & Fellows (PEPPR) – Best Practices in Writing Multiple Choice Exam Items for residents and fellows at the University of Iowa College of Pharmacy, Iowa City, IA  
Facilitator
- 2020 Pharmacy Educators Preparation Program for Residents & Fellows (PEPPR) – Best Practices in Writing Multiple Choice Exam Items for residents and fellows at the University of Iowa College of Pharmacy, Iowa City, IA  
Facilitator
- 2020 UI College of Pharmacy Education Week – Best Practices in Writing Multiple Choice Exam Items for faculty and administration at the University of Iowa College of Pharmacy, Iowa City, IA  
Facilitator

**Other Teaching Contributions**

- 2015 Liaison Committee Orientation Training - The University of Iowa Carver College of Medicine, Iowa City, IA  
Presentation for M1 Students
- 2015 Assessment and Evaluation Studies - The University of Iowa Carver College of medicine, Iowa City, IA  
Presentation for the Teaching Scholars Program
- 2015 Liaison Committee Orientation Training - The University of Iowa Carver College of Medicine, Iowa City, IA  
Presentation for M2 Students
- 2015 Frames Matter - University of Iowa Carver College of Medicine, Iowa City, IA  
Co-facilitated activity for the Team-Based Simulation Design & Debriefing workshop for faculty
- 2016 Best Practices in Survey Design & Construction - The University of Iowa Carver College of Medicine, Iowa City, IA  
presentation for the Teaching Scholars Program
- 2016 Frames Matter - The University of Iowa Carver College of Medicine, Iowa City, IA  
Co-facilitated activity for the Team-Based Simulation Design & Debriefing workshop for faculty
- 2016 Common Metrics Implementation: Metrics Training Webinar - University of Iowa Carver College of Medicine  
Co-facilitated a training webinar for the first cohort of CTSA institutions implementing the Common Metrics Initiative

Patrick Barlow – July 2023

- 2017  
Frames Matter - University of Iowa Carver College of Medicine, Iowa City, IA  
Co-facilitated activity for the Team-Based Simulation Design & Debriefing workshop for faculty
- 2018  
Skills for Educators Workshop - University of Iowa Carver College of Medicine, Iowa City, Iowa  
Co-facilitated a 3-hour workshop on designing research projects in medical education
- 2019  
Skills for Educators Workshop - University of Iowa Carver College of Medicine, Iowa City, Iowa  
Co-facilitated a 3-hour workshop on designing research projects in medical education
- 2021  
Skills for Educators Workshop - University of Iowa Carver College of Medicine, Iowa City, Iowa  
Co-facilitated a 3-hour workshop on designing research projects in medical education
- 2021  
Common Approaches to Educational Research – University of Iowa Carver College of Medicine, Iowa City, Iowa  
Co-facilitated a 90-minute workshop on designing research projects in medical education.
- 2022  
Comparing Research Designs – University of Iowa Carver College of Medicine, Iowa City, Iowa  
Facilitated a 45-minute review lecture of common observational and experimental research designs in clinical research.
- 2022  
Commonly Used Statistics in Clinical Research – University of Iowa Carver College of Medicine, Iowa City, Iowa  
Facilitated a 45-minute review lecture on basic univariate, multivariate, and non-parametric statistics.
- 2023  
Common Approaches to Educational Research – University of Iowa Carver College of Medicine, Iowa City, Iowa  
Co-facilitated a 90-minute workshop on designing research projects in medical education.
- 2023  
Writing Effective Multiple-Choice Exams  
Facilitated a 90-min session on the fundamentals of measurement and construction of multiple-choice exam items for faculty in a new midwifery program
- 2024  
Skills for Educators Workshop - University of Iowa Carver College of Medicine, Iowa City, Iowa  
Co-facilitated a 3-hour workshop on designing research projects in medical education

### III. SCHOLARSHIP/PROFESSIONAL PRODUCTIVITY

#### A. Publications or creative works (earliest to most recent)

##### Peer-reviewed papers

1. Sams VG, Lawson CM, Coan P, Bemis D, Newkirk K, Karlstad M, Norwood J, **Barlow P**, Goldman MH, Daley BJ. Effect of local anesthetic on microorganisms in a murine model of surgical site infection, J Trauma Acute Care Surg. 2012 August 1;73(2):441-5; discussion 445-6. PMID:22846953. doi: 10.1097/TA.0b013e3182583e4f.  
*I provided statistical and methodological consultation for this study. I was also responsible for conducting all statistical analyses, writing those methods and results for publication (including tables/figures), and assisting with responses to reviewer concerns. Citation count = 4.*
2. Sams VG, Lawson CM, Humphrey CL, Brantley SL, Schumacher LM, Karlstad MD, Norwood JE, Jungwirth JA, Conley CP, Kurek S, **Barlow PB**, Daley BJ. Effect of rotational therapy on aspiration risk of enteral feeds, Nutr Clin Pract. 2012 December 1;27(6):808-11. PMID:23087262. doi: 10.1177/0884533612462897.  
*I provided statistical and methodological consultation for this study. I was also responsible for conducting all statistical analyses, writing those methods and results for publication (including tables/figures), and assisting with responses to reviewer concerns. Citation count = 12.*
3. Shoulders BR, Franks AS, **Barlow PB**, Williams JD, Farland MZ. Impact of pharmacists' interventions and simvastatin dose restrictions, Ann Pharmacother. 2014 January 1;48(1):54-61. PMID:24259645. doi: 10.1177/1060028013511323.  
*I provided statistical and methodological consultation for this study. I was also responsible for conducting all statistical analyses, writing those methods and results for publication (including tables/figures), and assisting with responses to reviewer concerns. I also provided training on data collection, entry, and management to the study team. Citation count = 3.*
4. Shoulders BR, Franks AS, **Barlow PB**, Williams JD, Farland MZ. Impact of pharmacists' interventions and simvastatin dose restrictions, Pharmaceutical Care Espana. 2014 ;16(6):258. EID: 2-s2.0-84920130969.  
*I provided statistical and methodological consultation for this study. I was also responsible for conducting all statistical analyses, writing those methods and results for publication (including tables/figures), and assisting with responses to reviewer concerns. I also provided training on data collection, entry, and management to the study team. Citation count = 0.*
5. Jeffcoach DR, Gallegos JJ, Gandhi SS, Daley S, **Barlow PB**, Bollig R, Daley BJ. Massive transfusion in the elderly trauma patient: should it be done?, J Surg Res. 2014 February;186(2):686. doi: 10.1016/j.jss.2013.11.993.  
*I provided statistical and methodological consultation for this study. I was also responsible for conducting all statistical analyses, writing those methods and results for publication (including tables/figures), and assisting with responses to reviewer concerns. Citation count = 0.*

6. Lee PH, Franks AS, **Barlow PB**, Farland MZ. Hospital readmission and emergency department use based on prescribing patterns in patients with severely uncontrolled type 2 diabetes mellitus, *Diabetes Technol Ther*. 2014 March 1;16(3):150-5. PMID:24224752. doi: 10.1089/dia.2013.0168.  
*I provided statistical and methodological consultation for this study. I was also responsible for conducting all statistical analyses, writing those methods and results for publication (including tables/figures), and assisting with responses to reviewer concerns. Citation count = 9.*
7. Jeffcoach DR, Sams VG, Lawson CM, Enderson BL, Smith ST, Kline H, **Barlow PB**, Wylie DR, Krumenacker LA, McMillen JC, Pyda J, Daley BJ, University of Tennessee Medical Center Department of Surgery. Nonsteroidal anti-inflammatory drugs' impact on nonunion and infection rates in long-bone fractures, *J Trauma Acute Care Surg*. 2014 March 1;76(3):779-83. PMID:24553548. doi: 10.1097/TA.0b013e3182aafe0d.  
**Most-Cited Article (62):** *I provided statistical and methodological consultation for this study. I was also responsible for conducting all statistical analyses, writing those methods and results for publication (including tables/figures), and assisting with responses to reviewer concerns. I also found a creative approach to logistic regression to better estimate the accuracy of our model in situations where the outcome being measured is a rare event.*
8. **Barlow PB**, Smith TL, Skolits G. Five strategies for successful assessment in Graduate Medical Education, *World Medical & Health Policy*. 2014 March;6(1):51-62.  
*My first first-author manuscript. I was the lead author on this study, which was an introductory guide to creating assessments in Graduate Medical Education. Citation count = 0.*
9. Acuff SN, Bradley YC, **Barlow PB**, Osborne DR. Reduction of patient anxiety in PET/CT imaging by improving communication between patient and technologist. *Journal of Nuclear Medicine Technology*. 2014;42(3):211-217. doi:10.2967/jnmt.114.139915  
*For the article I was responsible for: (1) Designing the research study, statistical analysis plan, and data collection protocol; (2) providing training and advising to the clinical study teams in data collection, research design, and biostatistics; (3) conducting the necessary data cleaning and analysis; (4) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (5) writing the statistical methods section, proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 19.*
10. Farland MZ, McPheeters C, Renwick R, **Barlow PB**, Williams J, Keeble D, Franks AS. Comparison of patients receiving long-term metformin therapy and vitamin B12 monitoring, *J Pharm Technol*. 2015 March 9. doi: 10.1177/8755122515576207.  
*For the article I was responsible for: (1) Designing the research study, statistical analysis plan, and data collection protocol; (2) providing training and advising to the clinical study teams in data collection, research design, and biostatistics; (3) conducting the necessary data cleaning and analysis; (4) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (5) writing the statistical methods section, proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 1.*



11. Farland MZ, **Barlow PB**, Levi Lancaster T, Franks AS. Comparison of Answer-Until-Correct and Full-Credit Assessments in a Team-based Learning Course, Am J Pharm Educ. 2015 March 25;79(2):21. PMID:25861102. doi: 10.5688/ajpe79221.  
*For the article I was responsible for: (1) Assisting with designing the research study; (2) designing the statistical analysis plan and data collection protocol; (3) providing training and advising to the clinical study teams in data collection, research design, and biostatistics; (4) conducting the necessary data cleaning and analysis; (5) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (6) writing the statistical methods section, proofreading the results section of the manuscript, and preparing the tables and figures; and (7) responding to reviewer critiques on the methods and results. Citation count = 11.*
12. Farland MZ, Franks AS, **Barlow PB**, Rowe SA, Chisolm-Burns M. Assessment of student learning patterns, performance, and long-term knowledge retention following use of didactic lecture compared to team-based learning, Curr Pharm Teach Learn. 2015 March;7(3). doi: 10.1016/j.cptl.2014.12.009.  
*For the article I was responsible for: (1) Assisting with designing the research study; (2) designing the statistical analysis plan and data collection protocol; (3) providing training and advising to the clinical study teams in data collection, research design, and biostatistics; (4) conducting the necessary data cleaning and analysis; (5) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (6) writing the statistical methods section, proofreading the results section of the manuscript, and preparing the tables and figures; and (7) responding to reviewer critiques on the methods and results. Citation count = 16.*
13. **Barlow PB**, Skolits G, Heidel RE, Metheny W, Smith TL. Development of the Biostatistics and Clinical Epidemiology Skills (BACES) assessment for medical residents, Postgraduate Medical Journal. 2015 August 1;91(1078):423-30. PMID:26253921. doi: 10.1136/postgradmedj-2014-133197.  
*I was the lead author for this manuscript as well as the PI of the research project. It was the manuscript that came from on my dissertation research. Citation count = 5.*
14. Smith TL, **Barlow PB**, Peters JM, Skolits GJ. Demystifying reflective practice: Using the DATA model to enhance evaluators' professional activities, Evaluation and Program Planning. 2015 October 1;52:142-7. PMID:26051793. doi: 10.1016/j.evalprogplan.2015.04.004.  
*For this article, I was responsible for: (1) assisting with developing the theoretical framework, specifically the visualization of it, as well as advising the lead author on the manuscript's direction and approach, and (2) writing and editing portions of the manuscript throughout the review and publication process. Citation count = 16.*
15. Bourgeois AC, Faulkner AR, Bradley YC, Pasciak A, **Barlow PB**, Gash JR, Reid, Jr WS. Improved Accuracy of Minimally Invasive Transpedicular Screw Placement in the Lumbar Spine with Three-dimensional Stereotactic Image Guidance: A Comparative Meta-analysis, J Spinal Disord Tech. 2015 November;28(9):324-329. PMID:25089676. doi: 10.1097/BSD.0000000000000152.  
*For the article I was responsible for: (1) Assisting with designing the research study; (2) designing the statistical analysis plan and data collection protocol; (3) providing training and advising to the clinical study teams in data collection, research design, and biostatistics; (4) conducting the necessary data cleaning and analysis; (5) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (6) writing the statistical methods section, proofreading the results*

section of the manuscript, and preparing the tables and figures; and (7) responding to reviewer critiques on the methods and results. Citation count = 49.

16. Erwin PC, **Barlow P**, Brownson RC, Amos K, Keck CW. Characteristics of Academic Health Departments: Initial Findings From a Cross-Sectional Survey, *Journal of Public Health Management and Practice*. 2016 March 1;22(2):190-3. PMID:25668013. doi: 10.1097/PHH.0000000000000237.  
*For this article, I was responsible for: (1) advising on the design of the research study, analysis plan, and data collection methods; (2) developing, pretesting, and finalizing the survey instrument used for the study; (3) collecting and analyzing the survey results; (4) providing a written report to the research team; (4) preparing the tables and figures for presentation and publication; and (5) proofreading the manuscript. Citation count = 11.*
17. Sams VG, Blackledge C, Wijayatunga N, **Barlow P**, Mancini M, Mancini G, Moustaid-Moussa N. Effect of bariatric surgery on systemic and adipose tissue inflammation, *Surgical Endoscopy*. 2016 August 1;30(8):3499-504. PMID:26514136. doi: 10.1007/s00464-015-4638-3.  
*For the article I was responsible for: (1) Designing the research study, statistical analysis plan, and data collection protocol; (2) providing training and advising to the clinical study teams in data collection, research design, and biostatistics; (3) conducting the necessary data cleaning and analysis; (4) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (5) writing the statistical methods section, proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 42.*
18. Pierce GL, Harris SA, Seals DR, Casey DP, **Barlow PB**, Stauss HM. Estimated aortic stiffness is independently associated with cardiac baroreflex sensitivity in humans: role of ageing and habitual endurance exercise, *J Hum Hypertens*. 2016 September 1;30(9):513-20. PMID:26911535. doi: 10.1038/jhh.2016.3.  
*For this article, I was responsible for: (1) providing training and advising to the clinical study P.I. in data collection and biostatistics, and using the SPSS statistical software package; (2) conducting follow-up data analysis; (4) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the P.I.; (5) writing the statistical methods section, proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 18.*
19. DuBose LE, Voss MW, Weng TB, Kent JD, Dubishar KM, Lane-Cordova AD, Sigurdsson G, Schmid P, **Barlow PB**, Pierce GL. Carotid  $\beta$ -stiffness Index is Associated with Slower Processing Speed but not Working Memory or White Matter Integrity in Healthy Middle-Aged/Older Adults, *Journal of Applied Physiology* (1985). 2017 May 1;122(4):868-876. PMID:28126907. doi: 10.1152/jappphysiol.00769.2016.  
*For this article, I was responsible for: (1) providing training and advising to the clinical study P.I. in data collection and biostatistics, and using the SPSS statistical software package; (2) conducting follow-up data analysis; (4) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the P.I.; (5) writing the statistical methods section, proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 14.*
20. Berger AP, Giacalone JC, **Barlow P**, Kapadia MR, Keith JN. Choosing surgery as a career: Early results of a longitudinal study of medical students, *Surgery*. 2017 June 1;161(6):1683-1689. PMID:28161006. doi: 10.1016/j.surg.2016.12.016.

**Most-cited medical education article.** *I contributed to this article in numerous ways at all points in this study and in preparation of the manuscript. I aided the authors in the administration and collection of the survey instruments, developed an online version of the survey to replace the paper version they had been using, and mentored the authors on correct data management, coding, and organization to facilitate analysis. For the manuscript, I conducted all statistical analyses, generated all data tables and results, wrote the statistical methods, and provided numerous follow-up analyses based on reviewer and author requests. Citation count = 21.*

21. **Barlow PB**, Thoma KD, Ferguson KJ. The Impact of Using Mean Versus Mode When Assessing Resident Competency, *Journal of Graduate Medical Education*. 2017 June 1;9(3):302-309. PMID:28638507. PMCID: PMC5476378. doi: 10.4300/JGME-D-16-00571.1.

*I was the lead author on this manuscript and Co-PI on the research project. Citation count = 1.*

22. Gaglioti AH, **Barlow P**, Thoma KD, Bergus GR. Integrated care coordination by an interprofessional team reduces emergency department visits and hospitalisations at an academic health centre, *Journal of Interprofessional Care*. 2017 July 20;31(5):557-565. PMID:28726526. doi: 10.1080/13561820.2017.1329716.

*My contribution to this article was significant because I was able to use a complex statistical analysis known as Generalized Estimating Equations (GEE) to construct an accurate model of the care program's impact on patient health. For the article I was responsible for: (1) Designing the research study, statistical analysis plan, and data collection protocol; (2) conducting the necessary data cleaning and analysis; (3) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (4) writing the statistical methods section, (5) proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 14.*

23. Rucker R, **Barlow PB**, Hartshorn J, Kaufman L, Smith B, Kossioni A, Marchini L. Development and preliminary validation of an ageism scale for dental students, *Special Care in Dentistry*. 2018 January 4;38(1):31-35. PMID:29314164. doi: 10.1111/scd.12259.

*For this article I advised the authors on the study design and process for developing the Ageism instrument including determining its initial content validity. I also was responsible for all the psychometric analyses necessary to determine the scale's performance. For the article I was responsible for: (1) Designing the statistical analysis plan, and data collection protocol; (2) conducting the necessary data cleaning and analysis; (3) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (4) writing the statistical methods section, (5) proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 11.*

24. Krois NR, Kossioni AE, **Barlow PB**, Straub-Morarend CL, Marchini L. Preliminary Validation of an Instrument to Assess Students' Perceptions of Clinical Learning Environments at U.S. Dental Schools, *Journal of Dental Education*. 2018 June 1;82(6):575-580. PMID:29858253. doi: 10.21815/JDE.018.064.

*For this article I advised the authors on the study design and process for developing the DECLI instrument including determining its initial content validity. I also was responsible for all the psychometric analyses necessary to determine the scale's performance. For the article I was responsible for: (1) Designing the statistical analysis plan, and data collection protocol; (2) conducting the necessary data cleaning and*

Patrick Barlow – July 2023

*analysis; (3) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (4) writing the statistical methods section, (5) proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 2.*

25. Norman J, Moore A, Mattfeldt-Beman M, Kelly P, **Barlow PB**. Power of produce: Farmers' market incentive program targeting eating behaviors of children, *Journal of Extension*. 2018;56(2).

*I served as an informal mentor to the senior author on this manuscript for a number of years and throughout the design and implementation of this study. I contributed training in survey design and research methods as well as provided editorial and analysis guidance for the manuscript. Citation count = 1.*

26. Rucker R, **Barlow PB**, Hartshorn J, Kaufman L, Smith B, Kossioni A, Marchini L. Dual institution validation of an ageism scale for dental students, *Special Care in Dentistry*. 2019 January 1;39(1):28-33. PMID:30427556. doi: 10.1111/scd.12341.

*For this article I advised the authors on the study design and process for developing the Ageism instrument including determining its initial content validity. I also was responsible for all the psychometric analyses necessary to determine the scale's performance. For the article I was responsible for: (1) Designing the statistical analysis plan, and data collection protocol; (2) conducting the necessary data cleaning and analysis; (3) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (4) writing the statistical methods section, (5) proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 12.*

27. Kossioni AE, Ioannidou K, Kalyva D, Marchini L, Hartshorn J, Kaufman L, Smith B, **Barlow PB**. Translation and validation of the Greek version of an ageism scale for dental students (ASDS\_Gr), *Gerodontology*. 2019 April 7;36(3):251-257. PMID:30957278. doi: 10.1111/ger.12403.

*For this article I advised the authors on the study design and process for developing the Ageism instrument including determining its initial content validity. I also was responsible for all the psychometric analyses necessary to determine the scale's performance. For the article I was responsible for: (1) Designing the statistical analysis plan, and data collection protocol; (2) conducting the necessary data cleaning and analysis; (3) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (4) writing the statistical methods section, (5) proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 7.*

28. Skelly K, Rosenbaum M, **Barlow P**, Priebe G. Comparing resident-patient encounters and case presentations in a family medicine clinic, *Medical Education*. 2019 July 1;53(7):677-686. PMID:30761598. PMID: 30761598. PMID: PMC6570533. doi: 10.1111/medu.13806.

*My contributions to this article were (1) Consulting on analysis strategy both quantitative and qualitative; (2) conducting statistical analysis; (3) writing statistical methods for publication; (4) writing statistical analysis results and tables for publication; (5) reviewing manuscript drafts; and (5) responding to reviewer comments. Citation count = 4.*

29. Meurice ME, Goad LM, **Barlow PB**, Kerestes CA, Stockdale CK, Hardy-Fairbanks AJ. Efficacy-based Contraceptive Counseling for Women Experiencing Homelessness in Iowa City, Iowa, *Journal of Community Health Nursing*. 2019 October 17;36(4):199-207. PMID:31621431. doi: 10.1080/07370016.2019.1665313.

*I was the co-faculty mentor for the first and second authors (a CCOM student at the time). I provided extensive survey research consultation including designing, writing,*

Patrick Barlow – July 2023

*formatting, administering, analysis, write-up, and publication. I also provided extensive program evaluation expertise including study design, stakeholder engagement and collaboration, and mentorship in best practices for conducting program evaluation research. Citation count = 2.*

30. Anwar T, Cooper CS, Lockwood G, Ferguson KJ, **Barlow PB**, Storm DW. Assessment and validation of a screening questionnaire for the diagnosis of pediatric bladder and bowel dysfunction, *Journal of Pediatric Urology*. 2019 October;15(5):528. PMID:31445857. doi: 10.1016/j.jpuro.2019.07.016.

*I was consulted by Dr. Ferguson for assistance in using Receiver Operating Characteristic (ROC) Curves in the process of preparing this manuscript. Citation count = 3.*

31. Rucker R, **Barlow PB**, Dos Bertolini Fernandes Santos M, Carrera Malhao E, Kossioni A, Marchini L. Translation and preliminary validation of an ageism scale for dental students in Brazil (ASDS-Braz)., *Gerodontology*. 2020 January 15. PMID:31943327. doi: 10.1111/ger.12459.

*For this article I advised the authors on the study design and process for developing the Ageism instrument including determining its initial content validity. I also was responsible for all the psychometric analyses necessary to determine the scale's performance. For the article I was responsible for: (1) Designing the statistical analysis plan, and data collection protocol; (2) conducting the necessary data cleaning and analysis; (3) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (4) writing the statistical methods section, (5) proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 7.*

32. Krois NR, Kossioni AE, **Barlow PB**, Tabrizi M, Marchini L. Steps towards validation of the Dental Education Clinical Learning Instrument (DECLEI) in American dental schools (DECLEI-USA), *Journal of Dental Education*. 2020 March 12. PMID:32166746. doi: 10.1002/jdd.12145.

*For this article I advised the authors on the study design and process for developing the DECLEI instrument including determining its initial content validity. I also was responsible for all the psychometric analyses necessary to determine the scale's performance. For the article I was responsible for: (1) Designing the statistical analysis plan, and data collection protocol; (2) conducting the necessary data cleaning and analysis; (3) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (4) writing the statistical methods section, (5) proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 1.*

33. Meurice ME, Todd C, **Barlow PB**, Gaglioti AH, Goad L, Hardy-Fairbanks A, Stockdale CK. Unique health needs and characteristics of homeless women in Iowa City, Iowa, *Proceedings in Obstetrics and Gynecology*. 2020 May 1; 9(3). Part of ISSN: 2154-4751. doi: 10.17077/2154-4751.1455.

*I was the co-faculty mentor for the first and second authors (a CCOM student at the time). I provided extensive survey research consultation including designing, writing, formatting, administering, analysis, write-up, and publication. I also provided extensive program evaluation expertise including study design, stakeholder engagement and collaboration, and mentorship in best practices for conducting program evaluation research. Citation count = 0.*

34. Krois N, Kossioni A, **Barlow PB**, Dos Santos MBF, Malhão EC, Marchini L. Preliminary validation of the Dental Clinical Learning Environment Instrument in a Brazilian dental school, *European Journal of Dental Education*. 2020 August 3. PMID:32744406. doi: 10.1111/eje.12571.
- For this article I advised the authors on the study design and process for developing the DECLEI instrument including determining its initial content validity. I also was responsible for all the psychometric analyses necessary to determine the scale's performance. For the article I was responsible for: (1) Designing the statistical analysis plan, and data collection protocol; (2) conducting the necessary data cleaning and analysis; (3) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (4) writing the statistical methods section, (5) proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 0.*
35. Veenstra L, **Barlow PB**, Kossioni A, et al. Translation and validation of the Ageism scale for dental students in Romanian (asds-rom). *European Journal of Dental Education*. 2020;25(1):12-17. doi:10.1111/eje.12572
- For this article I advised the authors on the study design and process for developing the Ageism instrument including determining its initial content validity. I also was responsible for all the psychometric analyses necessary to determine the scale's performance. For the article I was responsible for: (1) Designing the statistical analysis plan, and data collection protocol; (2) conducting the necessary data cleaning and analysis; (3) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (4) writing the statistical methods section, (5) proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 4.*
36. Hock LE, Scruggs BA, **Barlow PB**, Oetting TA, Abramoff MD, Shriver EM. Responding to patient-initiated verbal sexual harassment: Outcomes of a pilot training for ophthalmologists. *Journal of Academic Ophthalmology*. 2020;12(02). doi:10.1055/s-0040-1717062
- I was the primary education/methodology mentor for Dr. Hock for this project that was the culmination of over 1-year worth of data collection activities that took place at each of the trainings we provided residency programs. In addition to mentoring Dr. Hock through her first education-focused study, I provided extensive input in the writing, designing, administration, analysis, and write-up of all data collection instruments and subsequent study data. I also played a critical role in interfacing with CCOM HR, Diversity, Equity, & Inclusion Office, and GME leadership to allow for us to have permission and access to the largest potential sample possible. Citation count = 3.*
37. Krupp MM, **Barlow PB**, Kyle EJ. Developing a self-assessment tool for dental faculty to map professional growth, *Journal of Dental Education*. 2021 June 28. PMID:34184247. doi: 10.1002/jdd.12727.
- I was Dr. Krupp's methodology and research design mentor for her capstone Ed.D. project. I provided mentorship and assistance with finalizing the research design, creating both qualitative and quantitative data collection instruments, consulting on data analysis and reporting, and preparing the study both for an oral presentation at the American Evaluation Association national meeting and for the submission of the manuscript. Citation count = 0.*
38. Piaton S, **Barlow PB**, Kossioni A, Tubert-Jeannin S, Marchini L. Translation and preliminary validation of a French version of an Ageism scale for dental students. *Gerodontology*. 2021. doi:10.1111/ger.12583

Patrick Barlow – July 2023

*For this article I advised the authors on the study design and process for developing the Ageism instrument including determining its initial content validity. I also was responsible for all of the psychometric analyses necessary to determine the scale's performance. For the article I was responsible for: (1) Designing the statistical analysis plan, and data collection protocol; (2) conducting the necessary data cleaning and analysis; (3) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; (4) writing the statistical methods section, (5) proofreading the results section of the manuscript, and preparing the tables and figures; and (6) responding to reviewer critiques on the methods and results. Citation count = 3.*

39. McDonald C, Henderson A, **Barlow PB**, Keith J. Assessing factors for choosing a primary care specialty in medical students; a longitudinal study. *Medical Education Online*. 2021;26(1):1890901. doi:10.1080/10872981.2021.1890901
- I served as a co-mentor to Dr. McDonald (was M3-4 at time of study) for this project. I assisted in designing and administering the survey as well as providing input on the statistical analysis and initial results. Citation count = 0.*
40. Hock LE, **Barlow PB**, Scruggs BA, et al. Tools for responding to patient-initiated verbal sexual harassment: A workshop for trainees and faculty. *MedEdPORTAL*. 2021;17(1):11096. doi:10.15766/mep\_2374-8265.11096
- I was the primary education/methodology mentor for Dr. Hock for this project that was the culmination of over 1-year worth of data collection activities that took place at each of the trainings we provided residency programs. In addition to mentoring Dr. Hock through her first education-focused study, I provided extensive input in the writing, designing, administration, analysis, and write-up of all data collection instruments and subsequent study data. I also played a critical role in interfacing with CCOM HR, Diversity, Equity, & Inclusion Office, and GME leadership to allow for us to have permission and access to the largest potential sample possible. Citation count = 4.*
41. Subramain M, Wangui-Verry JM, Sprenger KJ, Comellas AP, **Barlow PB**. Impact of COVID-19 on Clinical Research Units (CRUs). *J Clin Transl Sci*. 2021 Aug 13;5(1):e167. doi: 10.1017/cts.2021.836. PMID: 34659802; PMCID: PMC8503072.
- I was the senior author on this study. I oversaw all design, data collection, analysis, and writing of the research and manuscript. Citation count = 1.*
42. **Barlow PB**, Humble R, Shibli-Rahhal A. Temporal changes in medical student perceptions of their clinical skills and needs using a repeated self-assessment instrument. *BMC Med Educ*. 2021 Oct 29;21(1):550. doi: 10.1186/s12909-021-02985-1. PMID: 34715857; PMCID: PMC8555323.
- I was the lead author on this study and PI of the research project. I oversaw all design, data collection, analysis, and writing of the research and manuscript. Citation count = 0.*
43. Rempel AML, **Barlow PB**, Kaldjian LC. Medical Education and the ethics of self-care: A survey of medical students regarding professional challenges and expectations for Living Healthy Lifestyles. *Southern Medical Journal*. 2021;114(12):783-788. doi:10.14423/smj.0000000000001333.
- I was the co-mentor to Dr. Rempel (M4 at the time) alongside Dr. Kaldjian for this project and manuscript. I was responsible for overseeing the instrument development based on their theoretical framework as well as designing the distribution methods for collecting survey data. Most importantly, I was the psychometrician and statistician on the project who designed, conducted, wrote up, and advised on interpretation of all the statistical methods for the project and the manuscript itself. That effort included writing the statistical methods, specific sections of the results, creating all tables and figures, and responding to reviewer comments/concerns. Citation count = 0.*

### Patrick Barlow – July 2023

44. Comellas AP, Wangui-Verry JM, Sprenger KJ, Winokur PL, **Barlow PB**, Subramain M. Research unit network (RUN) as a learning research system. *Journal of Clinical and Translational Science*. 2023;7(1):e89. doi:<https://doi.org/10.1017/cts.2023.514>  
*I provided supervision to Dr. Subramain on this manuscript as well as editorial feedback throughout the planning, writing, and publication process.*
45. Garg A, Maran Subramain, **Barlow PB**, et al. Patient Experiences with a Tertiary Care Post-COVID-19 Clinic. 2023;10:237437352311515-237437352311515. doi:<https://doi.org/10.1177/23743735231151539>  
*I was one of the two senior faculty members on this study who together oversaw the design, implementation, analysis, and write-up of the study. My specific role was mentoring the design of the survey instrument, conducting the statistical analysis and write-up, and advising on the publication process.*
46. Hehr N, **Barlow P**, Reyes AG, Najdawi W, Pouw A. The effect of insurance coverage laws on glaucoma eyedrop medication use. *Investigative Ophthalmology & Visual Science*. June 1, 2023. Accessed May 20, 2024. <https://iovs.arvojournals.org/article.aspx?articleid=2785859>.
47. Elliott K, Dukes KC, **Barlow PB**, Kossioni A, Marchini L. Ageism scale for dental students (ASDS): A focus group review of content validity. *Spec Care Dentist*. 2024; 1-11. <https://doi.org/10.1111/scd.12960>
48. Sauer, MC., **Barlow, PB.**, Comellas, AP. *et al.* Anxiety and depression symptoms among patients with long COVID: a retrospective cohort study. *Eur Arch Psychiatry Clin Neurosci* (2024). <https://doi.org/10.1007/s00406-023-01740-5>

### Other Publications

1. Armijo BM, Abusin GA, Kreiter CD, **Barlow PB**, Lentz SR. Test development with content validity in pediatric hematology. Published online January 23, 2023. doi:10.1101/2023.01.21.23284870

### Chapters

1. **Barlow PB**. Evaluating Educational Effectiveness. AHME Guide to Medical Education in the Teaching Hospital. 5th. Association for Hospital Medical Education (AHME). 2015.  
*I was asked to write this chapter in the AHME book to focus on methods for evaluating the effectiveness of educational interventions.*

### Conference Proceeding

1. Krumenacker L, Winters S, Faircloth B, McMillen J, Wylie D, **Barlow PB**, Ranganath H, Branca P. 984: Insulin glargine versus NPH insulin in critically ill medical patients, *Critical Care Medicine*. 2013 December;41 Suppl 1(12):A247.  
*My contribution to this article was significant because I was able to use a complex statistical analysis known as Generalized Estimating Equations (GEE) to construct an accurate model individual patient glucose patterns over time and be able to find an accurate estimate of the overall effect of the different treatment regimens on those patterns. For the article I was responsible for: (1) Assisting with designing the research study; (2) designing the statistical analysis plan and data collection protocol; (3) conducting the necessary data cleaning and analysis; (4) delivering a written summary of the analysis, statistical methods, tables, figures, and results to the research team; and (5) writing the statistical methods section of the abstract submission.*



Patrick Barlow – July 2023

2. Acuff S, **Barlow PB**, Osborne D. Assessment of 3 anxiety reduction methods in PET/CT imaging using the Spielberger State Inventory Assessment, J Nucl Med. 2014;55(Supplement 1):2614.

*I provided statistical and methodological consultation for this study. I was also responsible for conducting all statistical analyses, writing those methods and results for publication (including tables/figures), and assisting with responses to reviewer concerns. I also provided training on data collection, entry, and management to the study team. Citation count = 0.*

3. Acuff S, **Barlow P**, Osborne D. Quantitative determination of anxiety reduction in PET/CT using a patient call device and the Spielberger State Inventory Assessment, The Journal of Nuclear Medicine. 2014;55(Supplement 1):2615.

*I provided statistical and methodological consultation for this study. I was also responsible for conducting all statistical analyses, writing those methods and results for publication (including tables/figures). I also provided training on data collection, entry, and management to the study team. Citation count = 0.*

**Program Evaluation Technical Reports**

1. **Barlow PB**. Analyses of Gender Differences for Academic Probation, Prepared for Mr. Jason Kelly, Assistant Dean and Director of Academic Advising, The College of Saint Benedict & Saint John's University. 2011.
2. **Barlow PB**. Assessing Needs of Probationary Students at The College of Saint Benedict and Saint John's University, Prepared for Mr. Jason Kelly, Assistant Dean and Director of Academic Advising, The College of Saint Benedict & Saint John's University. 2011.
3. **Barlow PB**. Evaluation Results for Counselor Education 212 Career and Personal Development, Prepared for Dr. Tricia McClam, Professor & Associate Department Head, Counselor Education, University of Tennessee. 2011.
4. **Barlow PB**, Kaesbauer S, Morrow JA. UT Counseling Center VolAware focus group results – LGBT students, Prepared for Dr. Connie Briscoe, Assistant Director of Student Counseling, University of Tennessee. 2011.
5. **Barlow PB**, Skolits G, Morrow JA, Smith T, Kaesbauer S, Cisney-Booth A. UT Staff Focus Group Results, Prepared for Ms. Melissa Shivers, Assistant Vice Chancellor of Student Affairs, University of Tennessee. 2011.
6. **Barlow PB**, Black J, Morrow JA, Kaesbauer S, Smith T, Cisney-Booth A, Skolits G. UT Student Focus Group Results, Prepared for Ms. Melissa Shivers, Assistant Vice Chancellor of Student Affairs, University of Tennessee. 2011.
7. **Barlow PB**. UT-Knoxville Pellissippi State Community College Bridge Program Evaluation Results, Prepared for Dr. Ruth Darling, Assistant Provost for Student Success, University of Tennessee. 2011.
8. Skolits G, **Barlow PB**. Interim Report for the Tennessee College Access and Success Network (TCASN), Prepared for Dr. Bob Obrohta, Executive Director for the Tennessee College Access and Success Network. 2012.

*I was the co-author and co-PI of this evaluation project. I was responsible for conducting stakeholder interviews, analyzing qualitative data, and summarizing the results for the report.*

Patrick Barlow – July 2023

9. **Barlow PB**, Abernathy J. UT-Knoxville Pellissippi State Community College Bridge Program Evaluation Results, Prepared for Dr. Ruth Darling, Assistant Provost for Student Success, University of Tennessee. 2012.
10. **Barlow PB**, Smith TL. Final Report on Transcript Analysis for the College of Saint Benedict and Saint John's University, Prepared for Dr. Phil Kramer, The College of Saint Benedict and Saint John's University. 2013.
11. Skolits G, **Barlow PB**. The Tennessee College Access & Success Network: Study Results & Stakeholder Perspectives, Prepared for Dr. Bob Obrohta, Executive Director for the Tennessee College Access and Success Network. 2013.  
*I was the co-author and co-PI of this evaluation project. I was responsible for conducting stakeholder interviews, analyzing qualitative data, and summarizing the results for the report.*
12. Morrow JA, Skolits G, **Barlow PB**, Hughes A. University of Tennessee's Advisors' Interviews – Brief Report, Prepared for Dr. Ruth Darling, Assistant Provost for Student Success, University of Tennessee. 2013.  
*I was a graduate assistant working on this evaluation project and shared in the writing, analysis, and data collection activities.*
13. Morrow JA, Hughes A, **Barlow PB**, Skolits G. University of Tennessee's Advisors' Survey – Brief Report, Prepared for Dr. Ruth Darling, Assistant Provost for Student Success, University of Tennessee. 2013.  
*I was a graduate assistant working on this evaluation project and shared in the writing, analysis, and data collection activities.*
14. Morrow JA, **Barlow PB**, Hughes A, Skolits G. University of Tennessee's Advisors' Survey – Brief Report – Open-Ended, Prepared for Dr. Ruth Darling, Assistant Provost for Student Success, University of Tennessee. 2013.  
*I was a graduate assistant working on this evaluation project and shared in the writing, analysis, and data collection activities.*
15. Morrow JA, Skolits G, Hughes A, Pathirage N, Walpitage L, **Barlow PB**. University of Tennessee's Undergraduate Advising – Final Evaluation Report, Prepared for Dr. Ruth Darling, Assistant Provost for Student Success, University of Tennessee. 2013.  
*I was a graduate assistant working on this evaluation project and shared in the writing, analysis, and data collection activities.*
16. **Barlow PB**. Evaluation Proposal for the University of Iowa Health Care CultureVision™ Initiative, Prepared for Drs. Sherree Wilson & Denise Martinez, The Office of Cultural Affairs & Diversity, The University of Iowa Carver College of Medicine. 2015.
17. **Barlow PB**. Interim Report on Healthcare Utilization Results, Prepared for the CoMeBEH Steering Group, Department of Family Medicine, The University of Iowa Carver College of Medicine. 2015.
18. **Barlow PB**. Report for the CultureVision™ Ambassador Survey, For Drs. Sherree Wilson & Denise Martinez, The Office of Cultural Affairs & Diversity, The University of Iowa Carver College of Medicine. 2015.
19. **Barlow PB**. ICTS Team Science Training Workshop for Pilot Program Applications: Evaluation Report, For, Dr. Gary Rosenthal, Greg Stewart, Dr. Joseph Zabner, and Georgeanna Robinson, The Institute for Clinical & Translational Science, The University of Iowa Carver College of Medicine. 2016.

Patrick Barlow – July 2023

20. **Barlow PB.** Internal Medicine X+Y Clinic Model Survey Final Report, For Dr. Rachael Dirksen, Internal Medicine, The University of Iowa Carver College of Medicine. 2016.
21. **Barlow PB.** The CultureVision™ Initiative: Program Evaluation Report, For Drs. Sherree Wilson & Denise Martinez, The Office of Cultural Affairs & Diversity, The University of Iowa Carver College of Medicine. 2016.
22. Miessler-Kubaneck R, **Barlow PB.** University of Iowa Mobile Museum 2015 Evaluation Report, For J.C. Gillet, The University of Iowa Mobile Museum. 2016.  
*For the Mobile Museum Evaluation, I was responsible for providing mentorship in Program Evaluation methods, data collection, survey design, and both qualitative (behavioral observation) and quantitative (survey data) as well as assisting with multiple data collection events. I also provided editorial guidance and the statistical analysis for this report.*
23. **Barlow PB,** Asprey D, Shibli-Rahhal A, Lench S. Evaluation of Curriculum Phase One: Comparing Student Preparedness for Clinical Clerkships Following the CCOM Curriculum Renewal, For the Medical Education Council, The University of Iowa Carver College of Medicine. 2017.
24. **Barlow PB.** Factors Influencing 2017 USMLE Step One, For Dr. Peter Densen, The University of Iowa Carver College of Medicine. 2017.
25. **Barlow PB.** The University of Iowa Hospitals & Clinics and Des Moines Clerkship Sites: A Comprehensive Comparison of Student Outcomes, For Drs. Chris Cooper, Peter Densen, and Steve Craig, The University of Iowa Carver College of Medicine. 2017.
26. **Barlow PB,** Lancianese D, Lench S. The University of Iowa Hospitals & Clinics and Des Moines Clerkship Sites: A Comprehensive Comparison of Student Outcomes, For Drs. Chris Cooper, Peter Densen, Amal Rahhal, and Steve Craig, The University of Iowa Carver College of Medicine. 2018.
27. **Barlow PB,** Lancianese D, Lench S. The University of Iowa Hospitals & Clinics and Des Moines Clerkship Sites: A Comprehensive Comparison of Student Outcomes for the Community Based Primary Care Clerkship, For Drs. Chris Cooper, Peter Densen, Amal Rahhal, and Steve Craig, The University of Iowa Carver College of Medicine. 2018.
28. Lancianese D, **Barlow PB,** Lench S. A comprehensive Comparison of Student Outcomes, For Drs. Chris Cooper, Amal Rahhal, and Steve Craig. 2018.  
*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*
29. Lancianese D, **Barlow PB,** Lench S. A comprehensive comparison of student outcomes for the community based primary care clerkship, The University of Iowa Carver College of Medicine. 2018.  
*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*
30. **Barlow PB,** Henderson K. Clinical Research Unit User Feedback Evaluation, For Dr. Alejandro Comellas, The University of Iowa Institution for Clinical and Translational Science. 2018.  
*I was the lead author on this report as well as the director of the evaluation project described therein.*
31. Lancianese D, **Barlow PB,** Lench S. "Professionalism and Mistreatment Report." Iowa City, IA; The University of Iowa Carver College of Medicine. September 2018.

Patrick Barlow – July 2023

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

32. Lancianese D, **Barlow PB**, Lench S. "Evaluation of Phase 2: Clinical Knowledge/Skills and Supportive Learning Environment". Iowa City, IA; The University of Iowa Carver College of Medicine. April 2019.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

33. **Barlow PB**, Lancianese D, Lench S. "Evaluation of Phase 3: Residency Preparation and Opportunities for Individualization". Iowa City, IA; The University of Iowa Carver College of Medicine. April 2019.

34. Lancianese D, **Barlow PB**, Lench S. "2019 Comprehensive Review of Site Comparability." Iowa City, IA; The University of Iowa Carver College of Medicine. May 2019.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

35. Lancianese D, **Barlow PB**, Lench S. "Community-Based Primary Care Clerkship: 2019 Comprehensive Review of Site Comparability." Iowa City, IA; The University of Iowa Carver College of Medicine. May 2019.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

36. Lancianese D, Lench S, **Barlow PB**. "Professionalism and Mistreatment Report." Iowa City, IA; The University of Iowa Carver College of Medicine. September 2019.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

37. Lancianese D, Lench S, **Barlow PB**, Hartman D. "Assessment Standards Part 1: 2019 Report on the Assessment System (9.4) and Narrative Assessment (9.5)." Iowa City, IA; The University of Iowa Carver College of Medicine. November 2019.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

38. Lancianese D, **Barlow PB**, Calvert D, Staskal D. "Needs Assessment of the "Dashboard": Evolving Report of Stakeholder Interviews." Iowa City, IA; The University of Iowa Carver College of Medicine. November 2019.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, qualitative data collection, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

39. Lancianese D, Lench S, **Barlow PB**, Hartman D. "Assessment Standards Part 2: 2019 Report on Formative Assessment and Feedback (9.7) and Fair and Timely Summative Assessment (9.8)." Iowa City, IA; The University of Iowa Carver College of Medicine. December 2019.

Patrick Barlow – July 2023

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

40. Lancianese D, Lenocho S, **Barlow PB**. “2020 Comprehensive Review of Site Comparability.” Iowa City, IA; The University of Iowa Carver College of Medicine. May 2020.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

41. Lancianese D, Lenocho S, **Barlow PB**. “Community-Based Primary Care Clerkship: 2020 Comprehensive Review of Site Comparability.” Iowa City, IA; The University of Iowa Carver College of Medicine. May 2020.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

42. Butler B, **Barlow PB**. “The University of Iowa Hospitals & Clinics & Des Moines Clerkship Sites: 2020 Supplementary Report Comparing Student Comments by Site.” Iowa City, IA; The University of Iowa. May 2020.

*I served as the senior author on this technical report written by my graduate intern from my PhD program at the University of Tennessee. I oversaw and was responsible for finalizing the strategic planning, analysis, and writing of all parts of this report.*

43. Lancianese D, Lenocho S, **Barlow PB**. “Assessment Standards: 2020 Report on the Assessment System (9.4), Narrative Assessment (9.5), Formative Feedback (9.7), and Fair and Timely Summative Feedback (9.8).” Iowa City, IA; The University of Iowa Carver College of Medicine. October 2020.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

44. Lancianese D, Lenocho S, **Barlow PB**. “Learning Environment: 2020 Report Update on Professionalism and Mistreatment.” Iowa City, IA; The University of Iowa Carver College of Medicine. December 2020.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

45. Lancianese D, Lenocho S, **Barlow PB**. “The University of Iowa Hospitals & Clinics & Des Moines Clerkship Sites: 2021 Comprehensive Review of Site Comparability.” Iowa City, IA; The University of Iowa Carver College of Medicine. April 2021.

*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*

46. Lancianese D, **Barlow PB**, Bernat C. “Summary of Diversity, Equity, and Inclusion Qualitative Data for Preclinical Courses”. Iowa City, IA; The University of Iowa Carver College of Medicine. April 2021.

*As a member of the CCOM Assessment Committee, I shared in the strategic planning of this report. I also training Carrie Bernat in how to do some qualitative content analysis. Finally, I was responsible for conducting my own independent analysis of the qualitative data and writing those results for inclusion in the full report.*

Patrick Barlow – July 2023

47. Lancianese D, Lench S, **Barlow PB**. “Learning Environment: 2021 Report Update on Professionalism and Mistreatment.” Iowa City, IA; The University of Iowa Carver College of Medicine. December 2021.  
*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*
48. **Barlow PB**, Franklin E. “OSCE Data Management Policy Recommendations”. Iowa City, IA; The University of Iowa Carver College of Medicine. December 2021.  
*This report was the culmination of several months of intense data analysis and interpersonal policy discussions with the OSCE program leadership as well as curriculum leaders. I was the lead author for this project as well as the extensive data analysis process that fed into it.*
49. Lancianese D, Lench S, **Barlow PB**. “Supplemental Update to Learning Environment: 2021 Report Update on Professionalism and Mistreatment.” Iowa City, IA; The University of Iowa Carver College of Medicine. January 2022.  
*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*
50. **Barlow PB**. “2022 Survey of Residency Program Directors for Feedback on 2021 CCOM Graduates”. Iowa City, IA; The University of Iowa Carver College of Medicine. February 2022.
51. Lench S, Lancianese D, **Barlow PB**. “Collegiate Objectives Outcomes: Report on the Attainment of Education Program Objectives”. Iowa City, IA; The University of Iowa Carver College of Medicine. February 2022.  
*As a member of the Medical Education Monitoring & Evaluation (MEME) group, I shared in the strategic planning, selection of appropriate outcome measures, writing, and reviewing of this technical report. I also provided input on the analysis as necessary.*
52. **Barlow PB**, Lancianese D, Lench S. “Medical Education at Iowa Survey 2022: Summary of Results”. Iowa City, IA; The University of Iowa Carver College of Medicine. June 2022.  
*I was the lead author of this report and was the Co-PI on the evaluation project on which the report was based. I was responsible for all data synthesis, cleaning, analysis, reporting, and writing of the report narrative.*

**PhD Dissertation**

1. **Barlow PB**. Development of the Biostatistics and Clinical Epidemiology Skills Assessment for Medical Residents, University of Tennessee. 2014 May.  
*Engagement Metrics: Abstract Views = 288, Downloads = 608.*

**B. Areas of Research Interest**

Selection of Current Projects.

Monitoring and Evaluation of the Carver College of Medicine’s Compliance with the LCME Accreditation Standards.

Evaluation of the University of Iowa Institute for Clinical & Translational Sciences (ICTS);

Evaluation of the Carver College of Medicine Student Caduceus Liaison Committees;

Novel uses for machine learning and curriculum analytics in medical education;

Patrick Barlow – July 2023

The Prevalence and Quality of Training for Medical Residents, Fellows, and Faculty Surrounding Patient-Initiated Sexual Harassment;  
The Prevalence of Identity-based mistreatment of medical trainees.  
Ongoing Development of the Ageism Scale for Dental Students;  
Ongoing Development of the DECLEI Scale for Dental Students;  
Developing standardized performance metrics for clinical research units

Research Interests.

Program evaluation and assessment research in medical education; Documenting and addressing identity-based mistreatment of medical trainees; Methods for documenting and addressing challenges with recruiting rural patients to clinical and translational research. Clinical and Translational Science Program Evaluation methods; novel methods for collecting evaluation and assessment data from medical students; curriculum analytics in medical education

**C. Grants**

**Grant**  
**Funded**

*Competency-Based Medical Education Pilot Project*

Society of Teachers of Family Medicine (STFM)

11/13/2024 – 09/30/2025

\$10,000.00

*Role: Principal Investigator, Program Evaluator*

My role is to conduct a program evaluation and parallel research study on the effectiveness of the CBME Pilot Project developed by the STFM

*Development of a Genetic Counseling Specific Mentorship Program for Prospective Graduate Students (University of Iowa Genetic Counseling Undergraduate Mentor Program)*

*The University of Iowa Carver College of Medicine*

10/01/2022 – 09/30/2023

\$19,984.00

*Role: Co-Principal Investigator*

I designed and implemented a multi-method needs assessment study consisting of a national survey and follow-up focus groups to investigate the needs for mentorship training among practicing genetic counselors.

*University of Iowa Clinical and Translational Science Award*

NIH/NCATS

1UL1TR002537-01

03/30/2018 – 02/28/23

\$21,467,865.00

*Role: Associate Director of Program Evaluation*

I have directed the program evaluation team for the ICTS since 2015. I am responsible for designing, implementing, and reporting the evaluation activities for the entire center.

*University of Iowa Clinical and Translational Science Award*

NIH/NCATS

1KL2TR002536-01

04/13/2018 – 02/28/23

\$4,048,662.00

*Role: Co-Investigator; Associate Director of Program Evaluation*

Patrick Barlow – July 2023

I have directed the program evaluation team for the ICTS since 2015. I am responsible for designing, implementing, and reporting the evaluation activities for the entire center. The KL2 award is a separate but required component for the larger UL1 grant.

*Responding to Patient-Initiated Identity-Based Harassment: An Innovative Curriculum to Empower Residents and Faculty to Address Discrimination and Harassment in Clinical Training*

The American Medical Association

No Project Number

09/01/2020 – 02/28/2022

\$30,000

*Role: Co-Investigator*

This project was based on previous research a colleague and I conducted on the prevalence of patient-initiated mistreatment encountered by our GME trainees. The grant developed a Train-the-Trainer model for delivering educational sessions on responding to mistreatment when it occurred.

*University of Iowa Clinical and Translational Science Program*

NCATS/NIH

1 U54 TR001013 – 01

September 1, 2014 - August 31, 2015

\$2,710,709

Rosenthal, Gary (Principal Investigator)

*Role: Program Evaluation Team Member*

*While funded under the remaining portion of this grant, I worked first as a program evaluation team member before being given the opportunity to direct the program evaluation team with the new grant. My responsibilities over this period primarily included strategic planning with members of the ICTS leadership and individual core leadership/staff around program evaluation for the coming funding cycle.*

*Expanding the Medical Home through Mental Health Collaboration*

DHHS Health Resources & Services Administration

5 D58 HP23233-03

September 30, 2011 - September 29, 2016

\$227,053

Percent effort: 5

Bergus, George (Principal Investigator)

*Role: Program Evaluator, Statistical & Research Design Consultant*

*I was asked to direct the program evaluation for the grant following my predecessor's departure, and have since served in this role as well as the primary statistical and research design consultant for the grant team.*

*University of Iowa Clinical and Translational Science Award*

NCATS/NIH

1 U54 TR001356 – 01

August 14, 2015 - July 31, 2017

\$4,669,794

Percent effort: 45

Rosenthal, Gary (Principal Investigator)

*Role: Associate Director for Program Evaluation & Continuous Improvement Core*

*For this grant I served as a program evaluation team member during the application process, which included co-writing the evaluation section for the whole ICTS. I currently serve as the Associate Director for Program Evaluation & Continuous Improvement, which requires me to coordinate all data collection, monitoring, and evaluation efforts*



Patrick Barlow – July 2023

*among the ICTS' many cores as well as provide outcomes and improvement data for the institute altogether.*

*SPARC2i: A Collaborative Inter-CTSA e-Commerce Marketplace for Research Services*

Medical College of South Carolina (Sub-Award), NIH/NCATS

Parent Award: 3 UL1TR001450-03S1

April 26, 2017 - March 31, 2019

\$94,360

Percent effort: 10

Knosp, Boyd (Principal Investigator), Barlow, Patrick

*I assisted in the writing of this grant, specifically the program evaluation plan. I also co-direct the program evaluation activities for the grant, which has included a multi-site user satisfaction survey to assess the usability of the platform.*

*Division of General Internal Medicine Research Development Award*

General Internal Medicine

June 1, 2018 - May 31, 2019

\$1,000

Barlow, Patrick (Principal Investigator)

*I received this small grant as a research development award to facilitate my research into the outcomes and impact of the intervention to improve the medical student liaison committees. The funding paid for research supplies for participants and data support as well as for travel to present the results at the American Evaluation Association national meeting in November, 2018.*

*Mentoring and Educating the Surgical Intern: The Role of Senior Residents*

UI Office of Graduate Medical Education (GME)

January 2020 - December 2020

\$4,200

Koch, K (Principal Investigator), Barlow, P B (Co-Investigator)

*I am serving as the co-mentor for Dr. Koch on this project. She will be working with me specifically on the design and analysis of the qualitative component of the study as well as receive training from me on these methods.*

*Healthier Workforce Center of the Midwest*

NIOSH/CDC

5 U19 OH008868

September 1, 2016 - August 31, 2021

\$3,185,580

Percent effort: 5

Rohlman (Principal Investigator)

*Role: Director of Program Evaluation*

*For this grant application I was responsible for developing and writing the Program Evaluation section for the whole Center, which included writing the center-level evaluation plan and program logic model as well as a separate evaluation sections and program logic models for each of the following: (1) Outreach and Education, (2) Pilot Program, (3) the first proposed research project, and (4) the second proposed research project. I was also responsible for responding to reviewer comments for the Just in Time (JiT) requirements. For the funding cycle, I will be responsible for directing the program evaluation efforts across the center and its multiple components.*

**Not Funded**

*National Research Mentoring Network (NRMN) Pilot Projects*

1194626

NIH (Prime Sponsor), Boston College

\$25,000

Nopoulos (Principal Investigator)

*Role: Program Evaluator*

*I served as both a member of the research team and as the program evaluator for this pilot proposal. For the application, I assisted with developing the aims, evaluation framework, and data collection approaches that would be conducted over the funding period.*

*Program Evaluation Proposal for the College of Saint Benedict and Saint John's University Faculty Development Initiatives*

\$200,000

Barlow, Patrick B

\$20,000 awarded as a subcontract

*Role: Principal Investigator for the External Program Evaluation Subcontract*

*Burroughs Welcome Fund Physician-Scientist Institutional Award Planning Grant Application*

Burroughs Welcome Fund

BWF - 1018301

Percent effort: 5

Murray (Principal Investigator), Barlow, Patrick

*This pilot project is a small planning grant to develop a training program that encourages more MDs (i.e. not MD-PHDs) to become successful physician scientists. The planning grant is meant to be a catalyst to a much larger \$2,500,000 grant that we will apply for at the end of the planning period. My role is to lead the development of the program evaluation strategy for the proposed program.*

*University of Iowa Post-doctoral Training in Dental Public Health*

DHHS Health Resources & Services Administration

HRSA-15-051

\$4,463

Warren (Principal Investigator)

*Role: Program Evaluator*

*I was responsible for developing the program evaluation framework, methodology, outcome and monitoring metrics, methods of data collection, and reporting structure for this grant application. I also was asked to write the program evaluation section for the grant.*

*Sparc2i Prototype: An Advanced System to Support Collaboration for Ordering and Fulfillment of Research Resources and Services Across CTSA's*

1196414

\$139,000

Kline (Principal Investigator)

*Role: Program Evaluation Team Coordinator, Director of Quantitative Evaluation Methods*

*For this grant application I assisted with coordinating a team of three proposed program evaluation team members (one from each of 3 participating CTSA hubs). I was also responsible for: (1) meeting regularly with the Sparc2i writing team to plan the grant application, aims, and evaluation plan; (2) co-write the final program evaluation section for the application; and (3) develop a program logic model for the Sparc2i project.*

Patrick Barlow – July 2023

*Limited Competition: Administrative Supplements to Enhance Network Capacity: Collaborative Opportunities for the CTSA Program (Admin Supp)*

NIH/NCATS

PA-16-328q

Percent effort: 5

Winokur (Principal Investigator), Barlow, Patrick

*I have been asked to direct the program evaluation activities for this grant that will further develop and test the Translational Science Navigator platform developed at the UI ICTS. The TSN is a novel Individual Development Plan (IDP) platform for translational science trainees. My involvement included designing a quasi-experimental evaluation study looking at training outcomes for users and non-users of the TSN in addition to designing the overall evaluation and monitoring plan.*

**D. Presentations**

**College**

**Poster**

2019 May

Graduate Medical Education Annual Leadership Symposium, The University of Iowa, Iowa City, Iowa United States. *The Meaning of 'Service over Education' to Emergency Medicine Residents.* Obr, B, Runde, D, Takacs, M, Barlow, PB.

*2nd Place Award for Outstanding Poster.*

**Evaluation Client Presentations**

2010 December

Program Evaluation Poster Presentation. *Assessing Needs of Probationary Students at Saint John's University and the College of Saint Benedict (poster presentation).* Barlow, PB.

2011 March

University of Tennessee 7th Annual College of Education, Health, and Human Sciences Graduate Student Advisory Board Research Colloquium, University of Tennessee. *Strengthening the Social Network: Religiosity and Spirituality in First-Year Perceptions of Belongingness (poster presentation).* Barlow, PB, Cisney-Booth, AM, Smith, TL, Morrow, JA.

2011 May

2011 College of Saint Benedict and Saint John's University Scholarship and Creativity Day, College of Saint Benedict and Saint John's University. *Assessing Needs of Probationary Students at the College of Saint Benedict and Saint John's University.* Barlow, PB, Kelly, J.

2011 August

2011 College of Saint Benedict and Saint John's University Fall Faculty Workshop, College of Saint Benedict and Saint John's University. *Research on Academic Underachievement at CSB/SJU, Who and Why? (oral presentation).* Kelly, J, Barlow, PB.

2011 September

2011 Meeting of the University of Tennessee & Pellissippi State Community College Bridge Program Committee, University of Tennessee & Pellissippi State Community College. *Results of UT/PSCC Bridge Program Evaluation (oral presentation).* Barlow, PB.

2012 April

2012 Meeting of the University of Tennessee & Pellissippi State Community College Bridge Program Committee, University of Tennessee & Pellissippi State Community College. *Summary of Results for Bridge Back to UT Orientation Survey (oral presentation).* Barlow, PB.

2012 September

2012 Meeting of the University of Tennessee & Pellissippi State Community College Bridge Program Committee, University of Tennessee

Patrick Barlow – July 2023

& Pellissippi State Community College. *Summary of Bridge Program Year One Evaluation (oral presentation)*. Barlow, PB, Abernathy, J.

- 2013 September 2013 Department of Public Health Presentation to the Board of Advisors for the College of Education, Health, and Human Sciences, Department of Public Health. *Focus on Practice-Based Research: The Women's Clinic Missed Appointments Study (oral presentation)*. Brown, K, Meyers, CR, Grubaugh, J, Barlow, PB.
- 2016 June CultureVision Steering Committee. *Final Program Evaluation Results for the CultureVision™ Initiative (oral presentation)*. Barlow, PB.
- 2016 July Institute for Clinical & Translational Science (ICTS) External Advisory Committee. *Program Evaluation & Continuous Improvement Core (oral presentation)*. Barlow, PB.
- 2016 July University of Iowa Health Care Senior Leadership Committee. *Update on the CultureVision™ Initiative (oral presentation)*. Wilson, SA, Barlow, PB.
- 2016 August University of Iowa Carver College of Medicine Collegiate Leadership Meeting. *Update on the CultureVision™ Initiative (oral presentation)*. Wilson, SA, Barlow, PB.

Poster

- 2014 January 43rd Critical Care Congress, Society of Critical Care Medicine. *Insulin glargine versus NPH insulin in critically ill medical patients*. Krumenacker, L, Winters, S, Faircloth, B, McMillen, J, Wylie, D, Barlow, PB, Ranganath, H, Branca, P.
- 2017 March AAMC Central Group on Educational Affairs Spring Conference, Chicago, Illinois. *An Effective Approach to Teach Sexual History Taking Skills Using Simulated Patients: Medical and Physician Assistant Student Perceptions*. Sanchez, A, Barlow, PB.
- 2017 March AAMC Central Group on Educational Affairs Spring Conference, Chicago, Illinois. *Increasing Focus on Communication Skills in Clinical Teaching: A pilot study*. Manhica, N, Rosenbaum, M, White, K, Barlow, PB.
- 2017 April Association for Clinical & Translational Science (ACTS) National Meeting, Washington, District of Columbia. *Promotion and Tenure Guidelines for Interdisciplinary Team Science at CTSI Institutions*. McHale, S, Bagshaw, D, Barlow, PB, Blank, A, Wolf, L, Leitzell, B, Diaz, G.

Presentation at Local Meetings

- 2015 May Graduate Medical Education Annual Leadership Symposium, The University of Iowa. *Training Family Medicine Residents in Care Coordination: Can a Care Coordination Program for Patients with Physical and Mental Health Conditions Be Effective at Reducing Emergency Department Utilization?* Barlow, PB.
- 2015 November Carver College of Medicine Medical Education Day, The University of Iowa. *A Case-Based Example of Successful Student Liaison Committee Evaluations (poster presentation)*. Lacy, A, Craig, E, Brenneman, A, Barlow, PB.
- 2015 November Carver College of Medicine Medical Education Day, The University of Iowa. *An Approach to Pediatric Resident Education in Response to the Rising Incidence of Venous Thromboembolism in Pediatric Patients (poster presentation)*. Armijo, B, Abusin, G, Staber, J, Barlow, PB.

Patrick Barlow – July 2023

2015 November Carver College of Medicine Medical Education Day, The University of Iowa. *The Role of Student Leadership in Successful Liaison Committee Evaluations (poster presentation)*. Craig, E, Lacy, A, Barlow, PB.

**Presentation at National and Regional Meetings**

- 2010 August CIC/CLA Consortium Summer Meeting, Council of Independent Colleges. *CIC/CLA Consortium Action Plans-College of Saint Benedict and Saint John's University (roundtable discussion)*. Kramer, P, Jones, K, Wing, C, Barlow, PB.
- 2010 August CIC/CLA Consortium Summer Meeting, Council of Independent Colleges. *Collection, Analysis, and Dissemination of CLA Data at CSBSJU (poster presentation)*. Barlow, PB, Kramer, P, Jones, K, Wing, C.
- 2011 May Heart Rhythm Society's 32nd Annual Scientific Sessions, Heart Rhythm Society. *Does Securing the Implantable Pulse Generator to the Pectoralis Fascia Affect Complication Rates? (poster presentation)*. Mahlow, WJ, Shah, UL, Hirsh, JB, Cox Jr, JW, Barlow, PB, Smith, TL, Heidel, R, Wortham, DC.
- 2011 May Heart Rhythm Society's 32nd Annual Scientific Sessions, Heart Rhythm Society. *Late Complications Following Pacemaker Or Defibrillator Implantation: An Eight Year Single Center Experience (poster presentation)*. Mahlow, WJ, Shah, UL, Hirsh, JB, Cox Jr, JW, Smith, TL, Barlow, PB, Heidel, R, Wortham, DC.
- 2011 November American Evaluation Association Conference, American Evaluation Association. *Assessing Needs of Probationary Students at a Private Liberal Arts University (poster presentation)*. Barlow, PB.
- 2011 November American Evaluation Association Conference, American Evaluation Association. *Helping New Evaluators Conceptualize, Manage, and Reflect Upon Initial Evaluation Experiences: Easing the Transition from Classroom to Practice (oral presentation)*. Skolits, G, Morrow, JA, Barlow, PB, Cisney-Booth, A, Heidel, R, Lenard, B, Sall, AB, Smith, TL.
- 2011 November American Evaluation Association Conference, American Evaluation Association. *New Venues for Practical Experience in Evaluation: Cultivation of Evaluator Competencies within a Graduate School of Medicine (roundtable discussion)*. Barlow, PB, Heidel, R, Smith, TL.
- 2012 January 25th Eastern Association for the Surgery of Trauma Annual Scientific Assembly, Eastern Association for the Surgery of Trauma. *Effect of Local Anesthetic on Microorganisms in a Murine Model of Surgical Site Infection (oral presentation)*. Sams, VG, Lawson, CM, Coan, PN, Bemis, DA, Newkirk, KM, Karlstad, MD, Norwood, J, Barlow, PB, Goldman, MH, Daley, BJ.
- 2012 March Annual Meeting of the Association of Professor of Gynecology and Obstetrics and Congress of Obstetricians and Gynecologists (APGO & CREOG), Association of Professor of Gynecology and Obstetrics and Congress of Obstetricians and Gynecologists (APGO & CREOG). *Robotic Surgery Impact on Resident Hysterectomy Experience: A Survey of Residency Coordinators and Directors (poster presentation)*. Zite, N, Hopkins, K, Van Nes, J, Barlow, PB, Lockett, A, Smith, TL.
- 2012 March Annual Meeting of the Association of Professor Of Gynecology and Obstetrics and the Congress of Obstetricians and Gynecologists (APGO & CREOG), Association of Professor of Gynecology and Obstetrics and

Patrick Barlow – July 2023

the Congress of Obstetricians and Gynecologists (APGO & CREOG), *Robotics Surgery: Changing Resident Operative Education and Experience (oral presentation)*. Hopkins, K, Van Nes, J, Zite, N, Barlow, PB, Lockett, A, Smith, TL.

- 2012 March Association of Professors of Gynecology and Obstetrics and Congress of Obstetricians and Gynecologists (APGO & CREOG) Annual Meeting, Association of Professors of Gynecology and Obstetrics and Congress of Obstetricians and Gynecologists (APGO & CREOG). *Survey-based Research in Ob/Gyn-Are we Getting the Data We Need to Better Educate Our Residents? (poster presentation)*. Van Nes, J, Hopkins, K, Zite, N, Barlow, PB, Lockett, A, Smith, TL.
- 2012 April Annual Southeastern Residency Conference. *Hospital Readmission and Emergency Department Use in Patients with Severely Uncontrolled Type 2 Diabetes Mellitus (oral presentation)*. Lee, PH, Frank, AS, Barlow, PB, Farland, MZ.
- 2012 August Tennessee Committee on Trauma Competition, Tennessee Chapter, American College of Surgeons Annual Scientific Meeting, American College of Surgeons. *Non-Steroidal Anti-Inflammatory Medications Impact Non-Union and Infection Rates in Long Bone Fractures (oral presentation)*. Sams, VG, Jeffcoach, DR, Lawson, CM, Enderson, BL, Smith, ST, Kline, H, Barlow, PB, Wylie, DR, Krumenacker, LA, McMillen, JC, Pyda, J, Daley, BJ.
- 2012 October American Evaluation Association (AEA) Annual Meeting, American Evaluation Association (AEA). *Application of Assessment and Evaluation Data to Improve a Dynamic Graduate Medical Education Curriculum (oral presentation)*. Smith, TL, Barlow, PB, Heidel, RE, Metheny, W.
- 2012 October American Evaluation Association (AEA) Annual Meeting, American Evaluation Association (AEA). *Methods for Developing Assessment Instruments to Generate Useful Data in the Presences of Vague Course Objectives (oral presentation)*. Barlow, PB, Smith, TL, Metheny, W, Heidel, RE.
- 2012 October American Evaluation Association (AEA) Annual Meeting, American Evaluation Association (AEA). *Retrospective Application of Systems Thinking and Isomorphism to a Complex Multi-Institutional Evaluation Project*. Barlow, PB, Heidel, RE.
- 2013 June Association for Assessment of Learning in Higher Education (AALHE) Workshop, Association for Assessment of Learning in Higher Education (AALHE). *Learning by Doing: A Hands-on Approach to Multiple Choice Assessment (workshop)*. Barlow, PB.
- 2013 October American Evaluation Association (AEA) Annual Meeting, American Evaluation Association (AEA). *Demystifying Reflective Practice: Using the DATA Model to Enhance Evaluators Professional Activities (paper presentation)*. Smith, TL, Peters, J, Skolits, G, Barlow, PB.
- 2013 October American Evaluation Association (AEA) Annual Meeting, American Evaluation Association (AEA). *Preparing to Go on the Job Market: Strategies for Academic and Non-Academic Job Searches (poster presentation)*. Morrow, JA, Skolits, G, Barlow, PB, Cisney-Booth, A, Smith, TL.

Patrick Barlow – July 2023

- 2014 March ASC-AIE Annual Consortium Meeting. *Maximizing Benefit: Five Strategies for Getting the Most from Your Survey Assessment Instruments (poster presentation)*. Barlow, PB.
- 2014 October 2014 American Evaluation Association Conference (AEA), American Evaluation Association (AEA). *An Introduction to Item Response Theory for the Casual User (workshop demonstration presentation)*. Barlow, PB.
- 2014 October 2014 American Evaluation Association Conference (AEA), American Evaluation Association. *Mining Archival Data for Evaluation Use: Challenges and Strategies for Novice Evaluators (oral presentation)*. Li, W, Barlow, PB.
- 2014 October 2014 American Evaluation Association Conference (AEA), American Evaluation Association. *Reflective Practice, Collaboration, and Stakeholder Communication: Where Does the Field of Evaluation Stand? (oral presentation)*. Smith, TL, Skolits, GJ, Barlow, PB.
- 2015 February 2015 Academic Surgical Congress (ASC). *Position Clustering: A Novel Approach to Quantifying Laparoscopic Port Placement (oral presentation)*. Rutherford, DN, D'Angelo, AL, Kwan, C, Barlow, PB.
- 2015 February 2015 Academic Surgical Congress (ASC). *Residents' Perception of Skill Reduction during Dedicated Research Time (oral presentation)*. Ray, R, Barlow, PB, D'Angelo, AL, Pugh, CM.
- 2015 November American Evaluation Association (AEA). *A Case-Based Example of Successful Student Liaison Committee Evaluations (poster presentation)*. Lacy, A, Craig, E, Brennehan, A, Barlow, PB.
- 2015 November American Evaluation Association (AEA). *Building Evaluation Capacity within a Clinical and Translational Science Award Institute: the Role of Core and Service Managers (poster presentation)*. Moody, V, Yarbrough, DB, Barlow, PB.
- 2015 November American Evaluation Association (AEA). *On the Road with Surveys, Stamps, and Observations: The Bigger Picture for Data Evaluation of the University of Iowa's Mobile Museum (poster presentation)*. Miessler-Kubaneck, R, Barlow, PB.
- 2015 November American Evaluation Association (AEA). *The Impact of Faculty Mentorship on Medical Student Liaison Committee Evaluations (poster presentation)*. Barlow, PB, Craig, E, Lacy, A, Brennehan, A.
- 2015 November American Evaluation Association (AEA). *The Role of Student Leadership in Successful Liaison Committee Evaluations (poster presentation)*. Craig, E, Lacy, A, Barlow, PB.
- 2015 November American Evaluation Association (AEA). *To Be a Reflective Evaluation Practitioner: Framing Reflection as a Self-Oriented and Collaborative Practice (paper presentation)*. Smith, TL, Barlow, PB, Skolits, GJ.
- 2016 February American Council of Academic Plastic Surgeons, Winter Retreat. *Roles of Mentorship and Research in Surgical Career Choice: Longitudinal Study of Medical Students*. Berger, A, Giacalone, J, Barlow, PB, Gaglioti, AH.
- 2016 February Academic Surgical Congress. *Roles of Mentorship and Research in surgical Career Choice: Longitudinal Study of Medical Students (Plenary Session and AAS Outstanding Medical Award Presentation)*. Berger, A, Giacalone, J, Barlow, PB, Kapadia, M, Keith, JN.

Patrick Barlow – July 2023

- 2016 April Association for Clinical and Translational Science (ACTS) 2016 Meeting. *An Innovative Tool for Engaging Translational Science Learners and Mentors in Reflective Career Planning (poster presentation)*. Knudson, BR, Christenson, S, Barlow, PB, Gutmann, L.
- 2016 May 49th Society for Teaching in Family Medicine (STFM) Annual Spring Conference. *Evaluating Patients' Health Care Experiences While Enrolled in a Care Management Program (poster presentation)*. Todd, C, Thoma, KD, Barlow, P.
- 2016 May 49th Society for Teaching in Family Medicine (STFM) Annual Spring Conference. *Needs Assessment of Wellbeing and Unmet Health needs in Homeless Persons (poster presentation)*. Meurice, ME, Todd, C, Barlow, PB, Gaglioti, AH.
- 2016 May Science of Team Science (SciTS) 2016 Conference. *Using a Pilot Grant Program and Teamwork Training to Improve the Knowledge and Skills of Science Teams (poster presentation)*. Barlow, PB, Zabner, J, Robinson, GF, Knudson, BR, Rosenthal, G, Stewart, G.
- 2016 October Birds of a Feather Gathering, American Evaluation Association (AEA). *Evaluators of Health Professions Education: A Networking Opportunity*. Harlan, JM, Barlow, PB.
- 2016 October American Evaluation Association (AEA). *Examining the Duration Between IRB Approval and First Accrual (oral presentation)*. Arora, K, Barlow, PB.
- 2016 October American Evaluation Association (AEA). *Promoting Team Science Across a CTSA Hub Institution: Content Analysis of Team Science Pilot Grant Program Applications (oral presentation)*. Swander, LC, Barlow, PB, Manuel, K.
- 2017 March AAMC Central Group on Educational Affairs Spring Conference. *An Effective Approach to Teach Sexual History Taking Skills Using Simulated Patients: Medical and Physician Assistant Student Perceptions (poster presentation)*. Sanchez, A, Emrich, J, Barlow, PB.
- 2017 March AAMC Central Group on Educational Affairs Spring Conference. *Increasing Focus on Communication Skills in Clinical Teaching: A Pilot Study (poster presentation)*. Martins-Manhica, N, Rosenbaum, M, White, K, Barlow, PB.
- 2017 March AAMC Central Group on Educational Affairs Spring Conference. *Using Aggregate Frequency Data to Assess Family Medicine Milestones (oral presentation)*. Thoma, K, Barlow, PB, Ferguson, K.
- 2017 April Association for Clinical and Translational Science National Meeting. *Promotion and Tenure Guidelines for Interdisciplinary Team Science at CTSI Institutions (poster presentation)*. McHale, S, Bagshaw, D, Barlow, PB, Blank, A, Wolf, L, Leitzell, B, Diaz, G.
- 2018 February American Council of Academic Plastic Surgeons Winter Retreat. *A 5-year longitudinal study of factors influencing surgery as a career choice in medical students: Analysis of the first cohort from the start of medical school to matriculation (oral presentation)* *A 5-year longitudinal study of factors influencing surgery as a career choice in medical students: Analysis of the first cohort from the start of medical school to matriculation*. Lorenzen, AW, McDonald, CE, Barlow, PB, Keith, J.



Patrick Barlow – July 2023

2018 March	AAMC Central Group on Educational Affairs Spring Conference. <i>An Interdisciplinary Approach to Developing an Educational Data Warehouse</i> . Barlow, PB, Asprey, D, Ferguson, K, Staskal, D.
2018 April	Association for Clinical and Translational Science National Meeting. <i>Promoting Team Science Across a CTSA Hub Institution: Content Analysis of Team Science Pilot Grant Program Applications</i> . Barlow, PB, Swander, L.
2018 November	American Evaluation Association (AEA). <i>Growing the Evaluation Tent: Teaching Program Evaluation to Healthcare Professionals</i> . Barlow, PB, Lancianese, D, Zarei, K.
2018 November	American Evaluation Association (AEA). <i>Growing the Evaluation Tent: Teaching Program Evaluation to Healthcare Professionals</i> . Barlow, PB.
2019 November	American Evaluation Association (AEA). <i>A Case Study of Successes and Setbacks Using the Common Metrics to Support Institutional Change</i> . Barlow, PB.
	<i>Oral Presentation</i>
2019 November	American Evaluation Association (AEA). <i>A Qualitative Study of Student Self-Assessments of Clinical Competency: Evaluating Preparedness and Growth</i> . Barlow, PB, Humble, R.

#### IV. SERVICE

##### A. Memberships in Professional Organizations

2011 - 2024	The American Evaluation Association
2016 - 2023	The Association for Clinical & Translational Science
2017 - Present	The Central Group on Educational Affairs, AAMC

##### B. Professional Service

###### National Chair

2012	Multi-Paper Presentation Session, 2012 American Evaluation Association (AEA) Conference, Chair
2011 - 2013	The American Evaluation Association, American Evaluation Association Graduate Student and New Evaluator Topical Interest Group, Chair
2018	2018 American Evaluation Association (AEA), Multi-Paper Presentation Session, Chair
2019	The American Evaluation Association, Multi-Paper Presentation Session, Chair

###### Co-Chair

2016 - 2017	The Association for Clinical & Translational Science, Program Evaluation Special Interest Group (SIG), Co-Chair
-------------	---

###### Member

2012 - 2013	Board of Advisors for the Wellstone - Barlow Mental Health Initiative, Member
-------------	---

Patrick Barlow – July 2023

2015 - 2017	National Institutes of Health, CTSA Common Metrics Initiative Workforce Development Working Group, National Center for Advancing Translational Sciences, Member
2017 - 2018	National Institutes of Health, CTSA Common Metrics Initiative Informatics Working Group, National Center for Advancing Translational Sciences, Member
2018 - 2017	National Institutes of Health, CTSA program Evaluator's Group, National Center for Advancing Translational Sciences, Member
2011 - Present	The American Evaluation Association, Graduate Student and New Evaluator Topical Interest Group (GSNE TIG), Member
2011 - Present	The American Evaluation Association, Higher Education Assessment Topical Interest Group, Member
2011 - Present	The American Evaluation Association, Translational Science Evaluation Topical Interest Group, Member
2016 - Present	National Institutes of Health, Institutional Readiness for Team Science Working Group, Methods and Processes Domain Task Force, National Center for Advancing Translational Sciences, Member
<b><u>Organizer</u></b>	
2012	The American Evaluation Association, AEA 2012 program for GSNE Topical Interest Group, Organizer
2018	The American Evaluation Association, AEA 2018 Program for HPEER Topical Interest Group, Organizer
2020	The American Evaluation Association, A Conversation with Evaluators on the Frontlines of COVID-19 (two-sessions, virtual town halls), Organizer, co-facilitator
<b><u>Program Coordinator</u></b>	
2012	Review process for the Graduate Student and New Evaluator Topical Interest Group, Program Coordinator
2018 - 2023	Review process for the Health Professions Education Evaluation & Research (HPEER) Topical Interest Group, Program Coordinator
<b><u>Reviewer</u></b>	
2015 - 2016	Journal of Research in Education, Reviewer
2011 - Present	The American Evaluation Association, 2011-2022 AEA conference submissions, Reviewer
2014 - Present	BioMed Central: Medical Education, Reviewer
2016 - Present	Journal of Graduate Medical Education, Reviewer
2019 – Present	American Journal of Evaluation
2019 – Present	Evaluation & the Health Professions
<b><u>Co-Founder</u></b>	
2013 - 2014	The American Evaluation Association, GSNE Topical Interest Group Peer Mentorship Program, Co-Founder
2013 - 2014	The American Evaluation Association, Health Professions Education Evaluation & Research (HPEER) Topical Interest Group, Co-Founder <i>Co-Founder and Program Chair</i>

Patrick Barlow – July 2023

Chair

2013 - 2024 The American Evaluation Association (AEA), Health Professions Education Evaluation and Research (HPEER) Topical Interest Group, Chair

Program Coordinator

2019 Review Process for Health Professions Education Evaluation and Research (HPEER), Tropical Interest Group, Program Coordinator

2020 Review Process for Health Professions Education Evaluation and Research (HPEER), Tropical Interest Group, Program Coordinator

2021 Review Process for Health Professions Education Evaluation and Research (HPEER), Tropical Interest Group, Program Coordinator

2022 Review Process for Health Professions Education Evaluation and Research (HPEER), Tropical Interest Group, Program Coordinator

**C. University, College, Department Service**

2016 - 2017 LCME Accreditation Standard 8 Committee, Carver College of Medicine, Member

2015 - 2018 Assessment Committee, Carver College of Medicine, Member

2019 University of Iowa Institute for Clinical and Translational Science (ICTS) KL2 Career Development Award Study Section, Member

2014 - Present Admissions Committee for the Master of Medical Education (MME) Program, Carver College of Medicine

2014 - Present Medical Arts and Sciences (MASC) Committee (ex officio), Member

2015 - 2018 CultureVision™ Steering Committee, Carver College of Medicine, Member

2015 - 2023 The Institute for Clinical and Translational Science (ICTS) Management Committee, Member

2016 - 2021 LCME Dashboard Project Working Group, Carver College of Medicine, Member

2017 - Present Medical Education Monitoring & Evaluation (MEME) Team, Carver College of Medicine, Co-director

2018 - 2021 Academic Technology Advisory Council (ATAC), The University of Iowa, Member

2018 - 2019 Assessment Committee, Carver College of Medicine, Interim Co-Chair

2019 – Present Assessment Committee, Carver College of Medicine, Member

2019 - 2022 University of Iowa Clinical Trials Research Office (CTRO) Planning Group, Member

2022 – 2023 The Institute for Clinical and Translational Science (ICTS) Executive Committee, Member