

BIOGRAPHICAL SKETCH

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NAME: McKee, Melissa Diane

eRA COMMONS USER NAME (credential, e.g., agency login): dm62087

POSITION TITLE: Professor and Chair, Family Medicine and Community Health, University of Massachusetts

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
The University of the South	-	1981-83	Liberal Arts
Cornell University	B.A.	1985	Anthropology
The University of Tennessee	M.D.	1989	Medicine
Montefiore Medical Center/Family Medicine		1994-96	Faculty Development Fellowship
Yeshiva University/Albert Einstein College of Medicine	M.Sc.	2000	Clinical Research Methods

A. Personal Statement

I am Chair of Family Medicine and Community Health at UMass Chan. Prior to coming to UMass Chan in June 2019, I served as Vice Chair for Research in the Department of Family and Social Medicine at Albert Einstein College of Medicine. There, I directed the New York City Research Improvement Networking Group (NYC RING) practice-based research network, an urban PBRN dedicated to primary care research and program development that improves outcomes and decreases health disparities. I also continue to direct the BraveNet Coordinating Center; BraveNet is a national PBRN dedicated to conducting research related to integrative medicine.

As a clinical outcomes and health services researcher, I have conducted projects using mixed methods to explore health issues with funding from the American Cancer Society, the Robert Wood Johnson Foundation, NIH, HRSA and PCORI. I advise numerous investigators on appropriate methods to conduct health research that interfaces with the clinical delivery system including studies related to coordination of care for complex patients. At Einstein, I was co-director of the Health Systems and Population Health core of the NYC Diabetes Translational Research Center and Director of the Health Research Implementation Core of Einstein's ICTR; in both roles I provided consultation to junior investigators. Through June 2019, I was contact PI for the AHRQ-funded EXPLORE Center, a new K12 program at Einstein/Montefiore focused on training investigators to conduct Learning Health System research. Finally, I have collaborated on a number of studies that focus on diabetes care in vulnerable, high-risk populations. For example, I am a collaborator in the Glycemia Reduction Approaches in Diabetes (GRADE) Research Group, which is conducting a substudy of continuous glucose monitoring (CGM).

For the *Team Support to Improve Glycemic Control Using CGM in Diverse Populations (TEAM CGM)* study, I will participate in development and refinement of protocols for conducting the trial in busy family medicine practices, assist with supervision of the practice champions, and facilitate practice stakeholder input and assessment related to adoption and implementation of the intervention across practices.

1. Behringer-Massera S, Browne T, George G, Duran S, Cherrington A, **McKee MD**; GRADE Research Group. Facilitators and barriers to successful recruitment into a large comparative effectiveness trial: a qualitative study. *J Comp Eff Res.* 2019 Jul;8(10):815-826. PMID: PMC7333580.
2. Mayer VL, Siscovick D, Goytia C, Brown D, Hanlen E, Flory J, **McKee MD**, Horowitz CR. "Not Alone Anymore": The Experiences of Adults With Diabetes in New York's Medicaid Health Home Program. *Med Care.* 2020 Jun;58:S60-S65. PMID: PMC7876669.
3. Asman AG, Hoogendoorn CJ, **McKee MD**, Gonzalez JS. Assessing the association of depression and anxiety with symptom reporting among individuals with type 2 diabetes. *J Behav Med.* 2020 Feb;43(1):57-68. PMID: PMC7313241.
4. Flattau A, Tanenbaum ML, Gonzalez JS, Andrews C, Twomey S, Vileikyte L, **McKee DM**. Barriers to Prevention and Timely Presentation of Diabetic Foot Ulcers: Perspectives of Patients from a High-risk Urban Population in the United States. *J Health Care Poor Underserved,* 2021;32(3):1554-1565.

B. Positions and Honors

Positions and Employment

1989-1992	Family Medicine Residency, Memorial Hospital of Rhode Island, Pawtucket, RI
1991-1992	Chief Resident in Family Medicine, Memorial Hospital of Rhode Island
1991-1992	Instructor, Brown University School of Medicine
1996-1999	Co-Medical Director, Montefiore Medical Group, Valentine Lane Family Practice
1996-2006	Assistant Professor of Family and Social Medicine, Albert Einstein College of Medicine
1996-present	Clinician Investigator, Division of Research, Department of Family and Social Medicine, Einstein
2000-2001	Attending Family Physician, Fordham Family Practice
2001- present	Attending Family Physician, Williamsbridge Family Practice
2003- present	PBRN Director, New York City Research and Improvement Networking Group (NYCRING)
2005- 2015	Co-Director, Division of Research, Department of Family and Social Medicine, Einstein
2015- present	Director, Division of Research, Department of Family and Social Medicine, Einstein
2006- 2015	Associate Professor of Family and Social Medicine, Albert Einstein College of Medicine
2015- present	Professor of Family and Social Medicine, Einstein
2017- 2019	Vice Chair for Research, Department of Family and Social Medicine, Einstein
2019-	Chair, Department of Family Medicine and Community Health, UMass Medical School

Certificates: 1992, 1998, 2004, 2014 American Board of Family Medicine

Honors

Summa cum laude, Cornell University
 Highest Honors, University of Tennessee
 Robert Wood Johnson Generalist Physician Faculty Scholars Award (2001-06)

C. Contribution to Science

1. Engaging clinicians and other stakeholders in research, including recruitment strategies. As founding director of the New York City Research Improvement Networking Group, and Director of the BraveNet Integrative Medicine practice-based research networks, I have extensive experience engaging clinicians and front-line staff in practice environments to identify important questions, participate in practice-based research, and incorporate research findings to improve care. Increasingly, we are also engaging patients and other stakeholders in the research process to ensure patient centeredness and relevance of the findings to those affected by the issue. Practice-based research is vital to generate new knowledge that is immediately relevant to patient care and improves outcomes of treatment. An increasing focus of my work has been to explore methods to improve recruitment, particularly of underrepresented minorities. As co-chair of the Recruitment and Retention Subcommittee of GRADE (Glycemia Reduction Approaches in Diabetes: A Comparative Effectiveness Study), I am engaged in ongoing assessment to identify and promote successful recruiting strategies across the 37 centers involved in this multisite trial. As an investigator for the RECRUIT trial, we are testing an intervention to increase recruitment of minorities into clinical trials. My role in this project is to employ quality improvement principles to help sites implement and evaluate new approaches to recruit minorities in their trials.

- a. Behringer-Massera S, Browne T, George G, Duran S, Cherrington A, **McKee MD**; GRADE Research Group. Facilitators and barriers to successful recruitment into a large comparative effectiveness trial: a qualitative study. *J Comp Eff Res*. 2019 Jul;8(10):815-826. PMID: PMC7333580.
 - b. Mayer VL, Siscovick D, Goytia C, Brown D, Hanlen E, Flory J, **McKee MD**, Horowitz CR. "Not Alone Anymore": The Experiences of Adults With Diabetes in New York's Medicaid Health Home Program. *Med Care*. 2020 Jun;58:S60-S65. PMID: PMC7876669.
 - c. Asman AG, Hoogendoorn CJ, **McKee MD**, Gonzalez JS. Assessing the association of depression and anxiety with symptom reporting among individuals with type 2 diabetes. *J Behav Med*. 2020 Feb;43(1):57-68. PMID: PMC7313241.
 - d. Flattau A, Tanenbaum ML, Gonzalez JS, Andrews C, Twomey S, Vileikyte L, **McKee DM**. Barriers to Prevention and Timely Presentation of Diabetic Foot Ulcers: Perspectives of Patients from a High-risk Urban Population in the United States. *J Health Care Poor Underserved*, 2021;32(3):1554-1565.
2. Primary care research involving urban underserved populations. Projects have spanned the range of primary care and have included women's health, adolescent health, screening and chronic disease management, and incorporation of integrative approaches for health into medical settings. For example, in the Acupuncture to Decrease Disparities in Outcomes of Chronic Pain project, we demonstrated the feasibility of integrating acupuncture for the management of chronic pain into urban community health centers. A follow up project is underway, funded by PCORI, to compare the effectiveness of group and individual delivery of acupuncture for chronic pain in the urban underserved setting. Also, the HepCAT project identified practice patterns regarding screening for Hep C, and tested approaches to increase identification of individuals at risk for Hepatitis C. Findings contributed to the current CDC recommendation for universal age-cohort screening. I am also an investigator for a current PCORI-funded intervention testing two strategies for treating Hepatitis C among active drug users.
- a. **McKee MD**, Maher S, Deen D, and Blank A. Counseling to Prevent Obesity Among Pre-school Children: Acceptability of a Pilot Urban Primary Care Intervention. *Annals of Family Medicine*, 2010;8:249-55. PMID: PMC2866723.
 - b. **McKee MD**, Kligler B, Fletcher J, Casselaina W, Biryukov F, Anderson B, Blank A. Outcomes of Acupuncture for Chronic Pain in Urban Primary Care. *Journal of the American Board of Family Medicine*, 2013;26:692-700. PMID: PMC3979293
 - c. Southern W, Drainoni M, Smith B, Christiansen C, **McKee MD**, Gifford A, Weinbaum, C, Thompson D, Koppelman E, Maher S, Litwin A. Hepatitis C Testing Practices and Prevalence in a High Risk Urban Ambulatory Care Setting, *Journal of Viral Hepatology*, 2011;18(7):474-81. PMID: PMC2990787.
 - d. Drainoni M, Litwin A, **McKee MD**, Southern W, Smith B, Gifford A, et al. Effectiveness of a Risk Screener in Identifying Hepatitis C Virus in Primary Care. *AJPH*, 2012;102 (11):e115-e121. PMID: PMC3477946.
3. Use of mixed methods in health services research and evaluation. I have collaborated on a number of projects that have incorporated qualitative methods in varying ways in project development, stakeholder engagement, and evaluation.
- a. Karasz,A, **McKee MD**, Roybal K. Women's Experiences of Abnormal Cervical Cytology: Illness Representations, Care Processes and Outcomes. *Annals of Family Medicine*, 2003;1:196-202. PMID: PMC1466604.
 - b. **McKee MD**, Karasz A. "You have to give her that confidence": Conversations about Sex in Hispanic Mother-Daughter Dyads. *Journal of Adolescent Research*, 2006;21(2):158-184.
 - c. **McKee MD**, Maher S, Deen D, and Blank A. Counseling to Prevent Obesity Among Pre-school Children: Acceptability of a Pilot Urban Primary Care Intervention. *Annals of Family Medicine*, 010:8:249-55. PMID: PMC2866723.
 - d. Kligler B, Karasz A, **McKee MD**. "I Felt Like It Was God's Hands Putting the Needles In": A Qualitative Analysis of the Experience of Acupuncture for Chronic Pain in a Low-income, Ethnically Diverse and Medically Underserved Patient Population. *Journal of Complementary and Alternative Medicine*, 2015, 21(11):713-9. PMID: PMC 4642820.

4. Research involving adolescents in urban primary care. A number of projects have explored delivery of optimal services to adolescents in urban primary care, in particular barriers to confidential care from patient, parent and provider perspectives. These findings were then incorporated into a large-scale quality improvement project, the Bronx Ongoing Pediatric Screening, which has resulted in dramatic increases in rates of screening for STIs in a 23 practice urban ambulatory network.
- McKee, MD**, Fletcher J, Schechter C. Predictors of Timely Initiation of Gynecologic Care among Urban Adolescent Girls. *Journal of Adolescent Health*, 2006;39(2):183-191. PMID: 16857529.
 - McKee MD**, O'Sullivan LF, Weber C. Perspectives on Confidential Care for Adolescent Girls. *Annals of Family Medicine*, 2006;4:519-526. PMID: PMC1687157.
 - Rubin S, **McKee MD**, Campos G, O'Sullivan L. Delivery of Confidential Care to Adolescent Males. *Journal of the American Board of Family Practice*, 2010: 23(6):728-735. PMID: PMC3986269.
 - McKee MD**, Alderman E, York D, Blank AE, Briggs RD, Hoidal KES, Kus C, Lechuga C, Mann M, Meissner P, Patel N, and Racine AD. A Learning Collaborative Approach to Improve STI Screening in Urban Primary Care. *Clinical Pediatrics*, 2017, 57(8):895-903.

Complete List of Published Work in MyBibliography:

<http://www.ncbi.nlm.nih.gov/myncbi/browse/collection/47658313/?sort=date&direction=ascending>

D. Additional Information: Research Support and/or Scholastic Performance

Ongoing Research Support

NIH NCATS 2UL1TR001453

(PI: Luzuriaga)

UMass Center for Clinical and Translational Science

Jun 2020- May 2025

The University of Massachusetts Center for Clinical and Translational Science (UMCCTS) provides innovative education and career development programs, catalytic pilot grant programs, and cost-effective core services that accelerate the translation of discoveries into practical solutions that improve human health.

Role: Co-lead, Workforce Development Core

NCCIH U01

(PIs: McKee/Dusek)

Acupuncture in the Emergency Department for Pain Management:

A BraveNet Multi-Center Feasibility Study

Sept 2020- Aug 2023

This is a multi-site feasibility study of delivering acupuncture to patients presenting with moderate to severe pain in 3 Emergency Departments of the BraveNet Practice Based Research Network.

Role: Multi PI

PCORI (Pragmatic Clinical Trial 1503-28122) (PI: Litwin)

Patient Centered Models of HCV Care

Nov 2015- Oct 2022

The goal of this project is to compare approaches to treat hepatitis C among injection drug users, focusing on remission, relapse and re-infection.

Role: Co-Investigator

The Bravewell Collaborative (Foundation) (PI: McKee)

BraveNet Coordinating Center at Einstein

Nov 2014- Dec 2022

BraveNet is a 14 practice PBRN focused on conducting effectiveness research related to Integrative Medicine. Einstein will coordinate health services research activity across the network.

Role: PI and Director

Completed Research Support

PCORI (1504-30283)

(PI: Israel)

Patient Empowered Strategy to Reduce Asthma Morbidity in Highly Impacted Populations

[PREPARE]

Oct 2017 – Sept 2019

The goal of this comparative effectiveness study is to evaluate a novel 'person empowered' approach for asthma self-management in black and Hispanic patients.

Role: Investigator, Einstein Site PI

AHRQ (K12HSO26396)

(PIs: Cunningham, McKee, Rinke)

Center of Excellence in Supporting Learning Health Systems Operations and Research at Einstein/Montefiore (EXPLORE)

Oct 2018- Sept 2022

The goal of this career development program is to develop a workforce of well trained, diverse investigators who will become leaders in LHS research and operations.

Role: Contact PI (resigned upon leaving Einstein)

NIDDK (1R01DK111928)

(PI: Jay, M)

Testing the Efficacy of a Technology-Assisted Weight Management Intervention Within Patient Centered Medical Homes: The GEM (Goals for Eating and Moving) Study

Oct 2016- Sep 2021

The goal of the GEM study is to test the efficacy of an intervention to improve weight management in the context of patient centered medical homes serving diverse primary care populations.

Role: Co-Investigator (resigned upon leaving Einstein)

NIDDK (1P30 DK111022)

(PIs: Walker and Wylie Rosette)

NY Regional Center for Diabetes Translational Research Center

Sep 2016- July 2021

The goal of the NYC DTRC is to increase collaboration and enhance communication among investigators from diverse disciplines to energize and accelerate dissemination of effective community, individual, clinical, and public health programs targeting diabetes prevention or control.

Role: Population Health and Health Systems Core Co-Director (resigned upon leaving Einstein)

NIDDK (1U01 DK098246)

Glycemia Reduction Approaches for Diabetes (GRADE)

Jan 2013- Dec 2020

This multisite comparative effectiveness study seeks to determine optimal approaches for glycemic control among patients with diabetes of 5 years or less duration.

Role: Einstein Site Co-PI (with Jill Crandall) (resigned upon leaving Einstein)

AHRQ 1R25HS023199

(PI: Marantz)

Education and Training Program in Patient Centered Outcomes Research

July 2014- June 2019

The goal of this project is to increase the number of investigators with training to conduct patient centered outcomes and comparative effectiveness research. My role is to lead the qualitative methods component.

Role: Investigator

NCI UG1 CA189859-01

(PI: Rapkin)

Minority-based Community Oncology Research Program

Aug 2014- July 2019

The overall goal of NCORP is to bring cancer clinical trials, as well as cancer care delivery research (CCDR), to individuals in their own communities, thereby generating a broadly applicable evidence base that contributes to improved patient outcomes and a reduction in cancer disparities.

Role: Investigator

PCORI (Addressing Disparities 1402-10857)

Acupuncture Approaches to Decrease Disparities in Outcomes of Pain Treatment- A Two Arm Comparative Effectiveness Trial (AADDOPT-2)"

Dec 2014 – Aug 2018

The goal of this project is to compare individual and group acupuncture in primary care chronic pain patients and assess the effectiveness of each to reduce pain and improve quality of life.

Role: Contact PI (Co-PI Ben Kligler, in no cost extension)

NIMHHD U2400694102

(PI: Tilley)

RECRUIT: A Randomized Trial to Enhance Minority Recruitment in Clinical Trials

July 2011- Dec 2017

The goal of this project is to test strategies to enhance recruitment of minorities into clinical trials.

Role: Investigator