

Joyce Buckner-Brown, PhD, MHSA, RRT

Career Summary

Twenty plus years' experience in instructional design, teaching, research, program management and evaluation, technical consultation, data collection, synthesis, and dissemination. Demonstrated translation of skills through work in various public health subject matter areas – HIV/AIDS, chronic disease prevention and management, physical activity, community and clinical linkages, healthy foods/beverages and tobacco-free living. Results-oriented, strategic thinker, with a background in problem solving at multiple organizational levels and health systems.

EDUCATION

Johns Hopkins University
Bloomberg School of Public Health
Baltimore, Maryland
Postdoctoral course work in epidemiology and statistics

Mississippi State University
Mississippi State, MS
PhD, Public Administration with emphasis in Healthcare Administration
Dissertation: *Developing AIDS Risk Reduction Strategies: A Comparative Study of White Women and Women of Color*

Mississippi College
Clinton, MS
MHSA, Masters of Health Services Administration

Tougaloo College
Tougaloo, MS
B. S. Biology

Hinds Jr. College
Raymond, MS
Associate degree - Respiratory Therapy

PROFESSIONAL EXPERIENCE

Jackson State University Chair & Professor, Health Policy & Management College of Health Sciences <i>A CEPH Accredited School of Public Health</i> School of Public Health Initiative 350 W. Woodrow Wilson Jackson, MS 39213	2016 – Present
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Walden University 2013 – 2017
 Faculty Adjunct Appointment (B.S. Health Studies, B.S. Public Health, B.S. Healthcare Management)
 School of Health Sciences
 College of Health Sciences
 100 Washington Avenue South, Suite 900
 Minneapolis, MN 55401

Indiana University Purdue University Indianapolis 2010-2015
 Indiana University School of Health and Rehabilitation Sciences
 Faculty Adjunct Appointment – Asynchronous environment
 Coleman Hall 120A
 1140 West Michigan Street
 Indianapolis, In 46202-5119

Jackson State University 1998 – 2008
 Tenured & Promoted to Associate Professor (2003)
 Department of Health Policy & Management
 School of Public Health
 College of Public Service
 Jackson, Mississippi

Health Scientist 2012 –2016
 National Center for Chronic Disease
 Prevention and Health Promotion
 Division of Community Health
 Research, Surveillance and Evaluation Branch
 Atlanta, GA

Health Scientist 2008 –2012
 National Center for Chronic Disease
 Prevention and Health Promotion
 Division of Adult and Community Health
 Community Health Equity Branch
 Atlanta, GA

Acting Chairperson and Assistant Professor 1997-1998
 Jackson State University
 Department of Health Care Administration
 Jackson, Mississippi

Visiting Assistant Professor
The University of Southern Mississippi
College of Health and Human Sciences
The Center for Community Health
Hattiesburg, Mississippi

1995 -1997

RESEARCH GRANTS

Funded and Unfunded Research Projects [2017-2020]

August 2020-July 2021 *COVID-19 Mitigation Strategies: Using Evidence-Based Public Health Practices in African American Communities*
Principal Investigator: Girmay Berhie, PhD, MSW, MSIS
Funder: CDC Foundation, Atlanta GA
Award amount \$420,000
Role: As Co-Principal Investigator of this project, I oversee the management and progress of the communication and dissemination plan. I provide expertise on partnership development and community engagement and work with project stakeholders to ensure input and involvement in project evaluation.
Project synopsis: Using a multisectoral approach to engage multiple sectors/partners, we leverage knowledge, expertise, reach, and resources to complete 6 objectives. This benefits combined and varied strengths toward the shared goal of reducing African American COVID-19 transmission rates.

July 2020-June 2022 *Use of Technology to Enhance Patient Outcomes and Prevent Illness on Type 2 Diabetes Patients Self-management in Hinds County, Mississippi: Pilot Study*
Principal Investigator: Girmay Berhie, PhD, MSW, MSIS
Funder: Mississippi State Health Department, Jackson, MS
Award amount \$200,000
Role: As Co-Principal Investigator of this project, I am responsible for the overall administration of the project, ensuring that project goals and objectives are met. I also direct the primary and secondary data collection and analyses, develop reports and manuscripts and the dissemination of study findings.
Project synopsis: My colleagues and I are examining if the use of a mobile phone-based self-management system [used for 1 year], with or without telephone health counseling by a diabetes specialist nurse for the first 6 months, could improve glycated hemoglobin A1c (HbA1c) level, self-management, and health-related quality of life compared with usual care. Self-management can reduce the complications of type 2 diabetes, including lower

extremity amputations, end stage renal disease, blindness, loss of protective sensation, heart disease and premature death.

March 2018-April 2019

Partnering to Improve African American Women's Preconception Health: A Collective Action Approach

Principal Investigator: Joyce Buckner-Brown, PhD, MHSA, RRT

Funder: March of Dimes

Award amount \$20,000

Role: As PI for this study, I was responsible for the overall administration of the project, ensured that project goals and objectives were met. I also directed the data collection and analyses, and interim report and finals.

Project synopsis: Partnering with a federally funded health center, the project objectives were to improve education to women of childbearing age by incorporating Community Health Workers (CHWs) into Women's Health Services. The project: (1) utilized CHWs to identify minority and low-income women program participants through the existing One Key Question Model®; (2) and educated women of childbearing age about preconception, perinatal, and prenatal healthcare.

Works in progress

March 2021

Digital Tele-Medicine Incubation Center Hub Proposal Concept Paper Submission to W K. Kellogg Foundation

Grant submitted, but not funded

June 2018

CDC – Funding Opportunity -Racial and Ethnic Approaches to Community Health (REACH), Department of Health and Human Services (DP18-1813)

Principal Investigator: James Coleman, Ed.D

Co-Principal Investigator: Joyce Buckner-Brown, PhD, MHSA, RRT

CLINICAL & PROFESSIONAL LICENSE/CERTIFICATION

- Registered Respiratory Therapist Credentialed by the National Board of Respiratory Therapy, 1985
- Advanced Cardiac Life Support Provider 1990-1992, 1999-2005
- Practicing Respiratory Therapist Licensed in Mississippi and Louisiana State Department of Health through 2003
- FranklinCovey Certified Instructor July 10, 2003
- The International Association for Public Participation Certificate December, 2008

SELECTED CDC ACHIEVEMENTS (2008 – 2016)

Data Analysis, Interpretation & Dissemination (Purpose: Using data to support decision-making and expand the evidence base)

- Created a Racial and Ethnic Approaches to Community Health (REACH) Report (1999-2015) that provided an overview of the (REACH) programs and documented the unique contributions of these programs in eliminating health disparities
- Served as COR and author of the Cochrane Review titled - Community coalition-driven interventions to reduce health disparities among racial and ethnic minority populations. *Cochrane Database of Systematic Reviews* 2015.
- Served as Guest Supplement Editor and author/coauthor of 3 social determinants of health manuscripts in the *Journal of Family and Community Health*
- Developed 5 evaluation models [as a two-team effort] as a “train-the-trainer” resource for national organizations/networks to use in building the evaluation capacity of their sub-recipients. After the completion of a needs assessment modules created included were: *Why evaluate?; Evaluating the outcomes of policy, system, and environmental improvements: Where do we start?; Integrating performance monitoring and outcome evaluation; Evaluating short-term PSE improvement outcomes; and Evaluating short-term PSE improvement outcomes*
- Created the DCH physical activity evidence-based summary for scientifically supported interventions
- Provided leadership in identifying intervention research questions that advance our progress in eliminating health disparities (while in the Division of Adult and Community
- Contributing writer and researcher to the *Practitioner’s Guide for Advancing Health-Community Strategies for Preventing Chronic Disease*

Evaluation Tools & Training Workgroup Lead (Purpose: Translate and disseminate community data and lessons learned to build the evidence base for practice)

- Provide evaluation training, tools and technical support to DCH awardees. Example – Focus Area Workgroup Lead on Physical Activity. Workgroup provides **ongoing** support and peer sharing opportunities:
 - Intervention implementation
 - Monitoring and evaluation
 - Utilizing findings for program improvement
 - Dissemination of results
 - Publications
 - Reports
 - Presentations
- Provide leadership, subject matter expert, and tools that promote evidence- and practice-based approaches to advance health equity by reducing disparities and improving health for all communities (collaboration with DCH’s *Office of Health Equity*),
- Promote the large-scale adoption of DCH-supported and other tools/resources, e.g. DCH website, Success Stories, Community Health Resource Center, etc.

- Technical lead for the Evaluation Tool Finder (ETF), a web-based searchable database, designed to help community health programs identify valid and reliable evaluation tools and instruments to be used in measuring their interventions. The ETF allows users to search through DCH's database of evaluation instruments that may be used to collect indicators relevant to chronic disease prevention in four targeted health topic areas: Healthy Eating, Active Living, Tobacco-free Living, and Clinical and Community Preventive Services.
- Technical lead for DCH's Compendium of Evaluation Resources. The Compendium, an evaluation resource (e.g., webinar, guidance document, database, evaluation tool/template), is intended to assist DCH in readily accessing existing resources to support current evaluation needs or document past achievements.
- Lead Year 2 Evaluation Plan Reviews (EPRs) – Reviewed awardee evaluation plans and provided recommendations on data collection and analysis, triage all 87 evaluation plans to other Branch Workgroup members, provided comments to project officers and then forwarded to DCH awardees

Program Evaluation (Purpose: Assist awardees in strengthening their evaluation planning and management activities)

- Lead evaluator for the National Organizations – created [as a team member of the National Organization FOA (CDC-RFA-DP14-1418)] the logic model and evaluation criteria
 - Developed the evaluation protocol - qualitative and quantitative questions, and provide evaluation guidance to the 5 National Organization awardees and their two cohorts of subrecipients
 - Provided technical direction on the overall evaluation approach and the development of monitoring and evaluation tools for Community Transformation Grant Program (CTG) National Network awardees.
 - Examine and provide feedback to awardees on evaluation plans to ensure that evidence-based strategies are implemented with fidelity
 - Designed and reviewed interview [case study] protocols and other data collection instruments for DCH national organization
 - Designed a multi-case awardee study design that included review of secondary data sources and collection of qualitative data using semi-structured in-depth interviews with key program staff, subrecipients, and partners
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CONTRACTING OFFICER'S REPRESENTATIVE (COR) (through July 2017)

- COR: The Catalyst for Health Equity and Disparities Elimination; Contractor – Scarlett Consulting, \$550,000/2 years
 - COR: Why Does REACH Work; Contractor – GEARS Consulting, \$350,000/year
 - COR: Cochrane Review; Contractor – IUPHE/CDC Cooperative Agreement, \$250,000/ 2 years
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ACADEMIC COURSE DEVELOPMENT/INSTRUCTION

Graduate Courses:

- Leadership for Public Health Professionals (Jackson State University)
- Evaluation of Performance & Quality of Health Service Organizations (Jackson State University)
- Diversity Issues in Health and Rehabilitation Services (Indiana University)
- Advocacy & Public Health Policies (Jackson State University)
- Organization Design and Behavior in Public Health (Jackson State University – Online course)
- Biostatistics (The University of Southern Mississippi)
- Organizational Behavior (The University of Southern Mississippi)
- Long-term Care Policy and Administration (The University of Southern Mississippi)
- Health Care Administration (The University of Southern Mississippi)
- Health Services Research Methods (Jackson State University)
- Managed Care Networks & Public Health (Jackson State University)

Graduate Certificate Programs – beginning fall 2021

- Nursing Informatics – Curriculum Developed
- Data Analytics – Curriculum Developed

Undergraduate Courses:

- Diversity Issues in Health and Rehabilitation Services (Indiana University- online course)
 - Ethical Issues in Rehabilitation Services (Indiana University- online course)
 - Health Care Administration (The University of Southern Mississippi)
 - Introduction to Biostatistics (The University of Southern Mississippi) and (Jackson State University)
 - Introduction to Health Care Organizations (Jackson State University)
 - Health Policy (University of Southern Mississippi)
 - Current Issues in Health Policy & Practice (Walden University)
 - Research Methods (Walden University)
 - Long-Term Care Policy and the University Administration (The University of Southern Mississippi)
 - Organizational Behavior (The University of Southern Mississippi)
 - Health Care Practicum (Jackson State University)
 - Health Services Research Methods (Jackson State University)
 - Medical & Administrative Terminology (Jackson State University)
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PUBLICATIONS – Selected 2010-2020

Buckner-Brown, J. (2017). The Community Health Model (CHM): *A conceptual framework for understanding racial/ethnic community change*, *Online Journal of Rural and Urban Research*, 7(1). Retrieved from

<http://jsumurc.org/ojs/index.php?journal=ojrur&page=article&op=view&path%5B%5D=375&path%5B%5D=250>

Anderson, L.M., Adeney, K.L., Shinn, C., Safranek, S., **Buckner-Brown J.**, & Krause, L.K. (2015). Community coalition-driven interventions to reduce health disparities among racial and ethnic minority populations. *Cochrane Database of Systematic Reviews* 2015, Issue 6. Art. No.: CD009905. doi: 10.1002/14651858.CD009905.pub2, Retrieved from https://www.cochrane.org/CD009905/PUBHLTH_community-coalition-driven-interventions-to-improve-health-status-and-reduce-disparities-in-racial-and-ethnic-minority-populations

Johnson, B., **Buckner-Brown, J.**, Prater, W.S., & Taylor-Jones, M. Health Policy in the State of Mississippi. (2015). In M. Azevedo (Ed.) *Health and Health Care in Mississippi: Disparities and the Distribution of the Disease Burden in the State*. Jackson, MS: University Press of Mississippi.

Buckner-Brown J., Sharify DT, Blake B, Phillips T, Whitten K. (2014). Using the Community Readiness Model to Examine the Built and Social Environment: A Case Study of the High Point Neighborhood, Seattle, Washington, 2000–2010. *Prev Chronic Dis* 2014; 11:140235. doi: <http://dx.doi.org/10.5888/pcd11.140235>

Buckner-Brown, J. (Supp. Ed.) (2011). Racial and ethnic approaches to community health (REACH): Translating processes of change and attributing improved health outcomes to social determinants of health programs. *Family & Community Health*, 34, S7-S9.

Jenkins, C, Myers, P., Khosrow, H., Kelechi, T.J, & **Buckner-Brown, J.** (2011). Efforts to decrease diabetes-related amputations in African Americans by the REACH Charleston and Georgetown diabetes coalition. *Family & Community Health*, 34, S63-S78.

Buckner-Brown, J., Tucker, P. Rivera, M., Cosgrove, S., Coleman, J. L., Penson, A., Bang, D. (2011). Racial and ethnic approaches to community health (REACH): Reducing health disparities by addressing social determinants of health. *Family & Community Health*, 34, S12-S22.

Ekundayo, O. T. & **Buckner-Brown, J.** (2010). Strategies on engaging the black communities in research and practice In L. Jack (Ed.) *Diabetes in Black America: Public Health and Clinical Solutions to a National Crisis*. Munster, IN: Hilton Publishing.

Oral Presentations [Partial listing 2010-2020]

Enow, J., O'Quinn, F., Mozee, S., Brown, M., & **Buckner-Brown, J.** (2020). *Collaborative county approach to reduce the prevalence of individuals with mental disorders in jails: A pilot study, Hinds County Mississippi*. APHA Virtual Meeting, Monday, October 26, 2020.

Anyimukwu, C., Enow, J., **Buckner-Brown, J.**, Frye, F. & Fields, R. (2019). *Partnering to Improve African American Women's Preconception Health: A Collective Action Approach*. APHA's 2019 Annual Meeting and Expo (Nov. 2 - Nov. 6)

Anyimukwu, C., Enow, J., **Buckner-Brown, J.**, Frye, F. & Fields, R. (2019). (2019). *Increasing the capacity of CHWs and public health students to reduce infant mortality: "Are You Ready?"* APHA's 2019 Annual Meeting and Expo (Nov. 2 - Nov. 6)

Crosland, J., Anyimukwu, C., Buckner-Brown, J., Gray, K., & Fields, R (2018). Changing the face of Prematurity in Mississippi through FQHC: Policy implications. *Mississippi Public Health Association Annual Conference.*

Anyimukwu, C., Crosland, J., **Buckner-Brown, J.**, & Fields, R. (2018). Exploring the Impact of an Integrated Model as a Modality for Preconception Care in Mississippi: *Are You Ready?* *Mississippi Public Health Association Annual Conference.*

Anyimukwu, C., Crosland, J., Gray, K., **Buckner-Brown, J.**, Roby, C., & Fields, R. (2018). Addressing disparities in maternal and child health in Mississippi: A theory-based advocacy effort. *Delta Society for Public Health Education Annual Conference.*

Anyimukwu, Chizoba**Buckner-Brown, J.** (2019). *Increasing the capacity of CHWs and public health students to reduce infant mortality: Are You Ready*, the American Public Health Association's 2019 Annual Meeting and Expo (Nov. 2 - Nov. 6) in Philadelphia.

Buckner-Brown, J (July 2016), Building Healthier Communities: Moving from Science to Policy and Practice.

Rivera, Mark, **Buckner-Brown, J.**, & Liao, Y. *Translation and awardee technical assistance: Selecting and evaluating interventions and supporting dissemination of findings at the National Center for Chronic Disease Prevention and Health Promotion's Work Group on Translation (WGoT) Translation Day, Oral/Roundtable discussion. April 18, 2016.*

Shinn, C., Anderson, L., Adeney, K., Kendall Krause, L., Safranek, S. & **Buckner-Brown, J.** *Black Box' surrounding community coalition-led interventions to reduce health disparities in racial and ethnic minority populations: Excerpts from a Cochrane systematic review.* Presented at the 2015 American Public Health Convention - Using CBPR to Eliminate Health Disparities Section, November 3, 2015, Chicago, IL.

Buckner-Brown, J., & Owens, S. *Assessing Where We Are*, Presented at National Implementation And Dissemination for Chronic Disease Prevention Technical Assistance Workshop, March 16-18, 2015.

Buckner-Brown, J. *Measuring our Success and Improving our Performance*, Presented at National Implementation And Dissemination for Chronic Disease Prevention Technical Assistance Workshop, March 16-18, 2015.

Buckner-Brown, J. & Penson, A. *Keys to Developing a Strong Community Action Plan (CAP)*, Presented at National Implementation And Dissemination for Chronic Disease Prevention Technical Assistance Workshop, March 16-18, 2015.

Buckner-Brown, J., Kaboré, C., & Willocks, S. *Providing Support to National Network Awardees to Build and Enhance Subrecipients' Capacity to Conduct Evaluation*, Presented at 2nd Annual CDC Evaluation Day, September 10, 2014, Atlanta, GA.

Buckner-Brown, J. (2013, March). The Economic Burden of Health Inequalities in the United States, 2009 by *Laviest, Gaskin, & Richard* in Joint Center for Political and Economic Studies. Division of Community Health, Research, Surveillance and Evaluation Branch, Journal Club Presentation.

Buckner-Brown, J. (2013, December) Unfinished Journey – A Century of Health Care Reform in the United States by Jonathan Oberlander in the *New England Journal of Medicine*, Division of Community Health, Research, Surveillance and Evaluation Branch, Journal Club Presentation.

Buckner-Brown, J. (2011, November). The Community Readiness Model (CRM): A roadmap for community action. Presented at the Racial and Ethnic Health Disparities Action Institute. November 11, 2011, Atlanta, GA.

Buckner-Brown, J. (2010, November). The Community Health Model: A conceptual framework for understanding social and environmental change. Presented at the 138th American Public Health Convention. APHA Abstract – Emerging Theories and Promising Practices in Health Promotion Invitational Panel – Public Health Education & Health Promotion Section. November 8, 2010, Denver, Colorado.

Honors and Awards 2010-2020

Selected Professional Recognitions

- Elected - American Public Health Association National Action Board Member (3 year term beginning March 2021)
- Selected to serve on the Mississippi Public Health Association's Policy Committee, 2019
- Selected by Dean of the School of Public Health to be a mentor to 2 junior faculty in the "U.S. Department of Education Title III, Part B HBCU faculty development activity, titled "Faculty Development for Student Success", 2017-2018
- The 58th Annual CDC & ATSDR Honor Awards - *Public Health Impact Award* (For outstanding leadership in eliminating racial and ethnic disparities through the REACH U.S. program) For outstanding leadership in eliminating racial and ethnic disparities through the REACH U.S. program, 2010
- Division for Heart Disease and Stroke Prevention (DHDSPP) within the Centers for Disease Control and Prevention's (CDC's) National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP) – Expert, 2017

- Certificate of Appreciation for the *Excellence in Policy* presented by Division of Nutrition, Physical Activity and Obesity for contributions to the Weight of the Nation, CDC's inaugural conference on policy and environmental approaches to prevent and control obesity, 2010
- National Center for Chronic Disease Prevention and Health Promotion "Honor Award Winner", Employee Appreciation Day, 2010