

Owen Johnson Dr. P.H.
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EDUCATION

2005

Doctor of Public Health (Dr. P.H), University of Kentucky, Lexington, Kentucky, Concentrations in Epidemiology, Health Behavior and Biostatistics, Dissertation: “Survival Analysis of Stage II and III Colorectal Cancer Patients who had surgery followed by chemotherapy”

1998

Master of Science (MS) in Applied Economics and Concentration in Economic Development, University of Kentucky, Lexington, Kentucky. Thesis: “Analysis of Kentucky’s Economic Development at the County Level: Focused on differences in rate of development”

1995

Bachelor of Science (BS) in Economics, Fort Valley State, University, Georgia.

PROFESSIONAL EXPERIENCE

08/07 – Present - Associate Professor – Public Health, Health Administration and Health Sciences (PHHAHS), College of Health Sciences Tennessee State University and Faculty in the Education department

- Instructor graduate (Doctoral & Master) courses: Biostatistics, Advance Statistical Analysis, Statistics & Environmental Health
- Instructor undergraduate courses: Biostatistics, Statistics, Health Economics, Research Methods, Trends and Issues in Healthcare, Community (Public Health) Dentistry
- Dissertation committee members for Doctorate (Ed.D/Ph.D.)
- Capstone/Thesis members for Master (MPH)
- Curriculum/course development - graduate and undergraduate courses - online and traditional face to face
- Council on Education for Public Health (CEPH) Accreditation committees
- Faculty advisor and mentor
- Design and recommend research design/methods for various research interest
- Conducted Health related research – HIV/AIDS, Cancer prevention/reduction, Health disparity reduction
- Departmental, College and University committees.
- Community services and outreach programs

03/07 – 08/07 - Associate Director, Health Economics & Outcomes Research, Aequitas San Diego, California.

- Conduct quantitative analyses
- Build statistical models
- Design/execute patient-reported outcomes
- Patient-based assessments
- Epidemiological studies
- Compile, synthesize, and interpret evidence for health technology assessments.

01/07 – 03/07 - Health Outcomes Analyst – Scan Health Plan, Long Beach, California.

- Design and conduct research on health outcomes related to Medicare member population.
- Research areas include cardiovascular disease, Cancers, Diabetics and other chronic disease.
- Prepare and present reports on the above research.

2005 – 2006 - Post-Doctoral Fellowship: National Institute of Health (NIH) Cancer Control and Prevention Training at Markey Cancer Center and Prevention Research Center, University of Kentucky.

- Research and identify barriers to colorectal cancer (CRC) Screening
- Design appropriate interventions based on the identified barriers to increase CRC screening

2005 – 2006 - Teaching Assistant at the University of Kentucky’s College of Public Health - Introduction to Public Health Cancer Epidemiology and Introduction to Geographic Information System GIS

2004 – 2006 - Alliance for Drug Endangered Children

- Data management and analysis of state level data related to Drug Endangered Children
- Prepare Reports and findings on prevalence and incidence of drug-endangered children for the local chapter of the alliance.
- Prepare GIS maps and other visual aids to enhance data and study presentations.

- 2002 – 2004 - Research Assistant at the Health Education through Extension Leadership (HEEL), College of Public Health, University of Kentucky, Lexington, Kentucky
- Database management of county level data on health behaviors; uses GIS to aid in data presentation
 - Data analysis and evaluation to identify areas of program improvement
 - Assisted in program modification and improvement as it relates to health behavior.
 - Prepare reports and presentations of findings to the university, local and state entities.
- 2001 – 2002 - Research Assistant, University of Kentucky Center for Prevention Research, Lexington, Kentucky
- Data management and secondary research analysis of the Centers for Disease Control (CDC) Youth Risk Behavior Survey
 - Prepared reports from the youth risk behavior survey for the university, local and state offices.
- 2000 – 2001 - Research Assistant, University of Kentucky Medical Center, Department of Family Practice, Lexington, Kentucky
- Assisted in the evaluation of Primary Care/Salvation Army Student-Run Free Clinic
 - Assisted in the evaluation of the International Medical Graduate (IMG) placement in program in Kentucky.

PROFESSIONAL EXPERIENCE (Applied Economics)

1999-2000 - Price Analysis for Kroger's Winchester Dairy Farm out of Cincinnati Ohio:

- Weekly Monitoring of dairy prices based on supply and demand
- Recommendation of retail prices base on the price trends
- Liaison between the dairy farm in Winchester, the regional manufacturing office in Louisville, and Kroger cooperate office in Cincinnati.

TEACHING EXPERIENCE

- Biostatistics, Statistics, Health Economics, Research Methods, Geographic Information System (GIS), Public Health, Dentistry & Environmental Health.
- Developed and teach online courses for TN eCampus Online Degree Programs (Regents Online Degree Program (RODP))
- Taught various online courses on various platforms including D2L, Blackboard & WebCT.
- Introduction to Public Health, University of Kentucky
- Chronic Epidemiology, University of Kentucky
- Introduction Geographic Information System (GIS)
- Cancer Epidemiology, University of Kentucky

TEACHING INTERESTS

- Epidemiology
- Biostatistics/Statistics
- Behavioral Science
- Research Design and Analysis and Technical writing
- Geographic Information System (GIS)
- Health Economics
- Environmental Health
- Community Health

DEPARTMENT, COLLEGE & UNIVERSITY AFFILIATIONS & SERVICES

- Tennessee State University, Research 2010 - present
- College of Health Sciences, Curriculum Committee 2010 - present
- College of Health Sciences, Research 2010 - present
- Master in Public Health (MPH) Faculty Search Committee 2010 - 2011
- MPH Director Search Committee 2009 – 2011
- Public Health, Health Administration & Health Sciences (PHHAHS) Admissions Committees 2007 - present
- PHHAHS Comprehensive Examination Committee - 2007-2012,
- PHHAHS Website Committee 2007- present
- PHHAHS Curriculum Committee 2009-present
- PHHAHS Undergraduate Accelerated BSc Degree Committee

Research Training and Experience

- Completed academic courses in clinical trials
- Clinical Research Associates (CRA) trained
- Other related Biostatistics and Statistics training
- Research Design and Analysis
- Large Population Database Management
- SPSS, SAS & R
- Survey Design and Analysis
- Mixed Model Analysis
- Data Mining Techniques
- Molecular Epidemiology
- Regression and Correlation Analysis
- Healthcare Research Methods
- Healthcare Economics

COURSE DEVELOPED

- Introduction to Biostatistics (Undergraduate and Graduate)
- Evidence-Based Public Health
- Public Health Capstone Seminar
- Health Economics
- Environmental Health
- Geographic Information Systems (GIS)
- Research Methods in Healthcare (TN eCampus - RODP)
- Trends and Issues in Healthcare (TN eCampus - RODP)

UNDERGRADUATE COURSES TAUGHT

- Community Dentistry
- Health Economics
- Health Care Research
- Health Conditions in Functions and Disability
- Introduction to Biostatistics
- Principles of Geographic Information Systems (GIS)
- Social Statistics
- Trends and Issues in Healthcare
- Physics Principles for the Health Sciences

GRADUATE COURSES TAUGHT

- Introduction to Biostatistics
- Environmental Health Science
- Statistical Analysis in Educational Leadership

RESEARCH EXPERIENCE

- U54 collaborative (Vanderbilt, Meharry Medical College and Tennessee State University) grant effort to reduce cancer and health disparities (2011 - 2016)
- Assess College Age Students' Attitudes regarding Older Adults (2010-2012)
- Reaching One Generation at Time: A service Learning Approach to Promoting Responsible Sexual Behavior among College Students. (2010 – 2012)
- U54- Meharry Medical College, Vanderbilt & Tennessee State University Partnership in Eliminating/Reducing Cancer (2011-2015)
- Hospital admission may be driven by hospital bed capacity in some Tennessee County Hospitals (2010 – 2012)
- Psychosocial Experiences and Perceptions of African American with Multiple Sclerosis (2008-2009)
- A Relational/Historical Analysis of African American English And Hip Hop (2010-2012)
- Investigate the rise in violent crimes and intentional injuries in Tennessee over the past decade (2010 -2011)
- Using Geographic Information System (GIS) to evaluate Health Disparities in School Age Children in the Nashville Metropolitan area of Tennessee (2010-2011)
- Drivers with a Child Passenger are More at Risk for Injury than their Child Passengers Due to Drivers not Wearing Seatbelt (2008-2009)

- Rehabilitation and Quality of Life: Living with Multiple Sclerosis (MS) (2008 – 2012)
- *Research Scan Health Plan: Cholesterol, Hemoglobin and Nephropathy Screening in a Southern California Diabetic Population form, A Cluster Analysis with Repeated Measure to Assess Modification in Screening Behavior of a Diabetic Population* (2005-2006)
- *Postdoctoral Research: Increase Colorectal Cancer Screening in Rural Appalachian Kentucky -51 counties in Eastern Kentucky, -Research adviser: Dr. Mark Dignan -* (2005-2006)
- *Postdoctoral Research: Does Travel Distance Matter? Breast Cancer Stage and its Risk Factors, (Research adviser: Dr. Mark Dignan and co-investigator B. Huang) –* (2005-2006)
- *Doctoral Research: Survival Analysis of Kentucky’s Colorectal Cancer patients receiving Chemotherapy compared to Patients not receiving Chemotherapy from 1998-2004 College of Public Health, University of Kentucky, Research Adviser: Dr. Richards Clayton* (2005)

RESEARCH INTERESTS

- Chronic disease control Prevention and treatment, particularly cancer, cardiovascular disease, and diabetics.

PUBLICATIONS

- Brown E., Brown C., Johnson O., Inman W., Burrell W., Briggs R., Theriot R., Heaston A. (2019). *Using community-based participatory research to assess the needs of HIV-related services for individuals infected with HIV/AIDS in rural communities.* Journal of Community Engagement and Scholarship (JCES), 12(1), 10-16 Fall 2019.
- Amara Suneetha, Babaer Duaa, McAdory Brenda, Johnson Owen, Myles Elbert L., Zent Roy, Rathmell Jeffrey C., Tiriveedhi Venkataswarup. *Oligodeoxynucleotides, ODN 2006 and M362 exert potent adjuvant effect through TLR-9/-6 synergy to exaggerate Mammaglobin-A peptide specific cytotoxic CD8+T lymphocyte responses against breast cancer cells.* Cancers, Spring, 2019
- Raynes, E. A., Waller, L., Glymph, K., Jones, T., Michaels, N., Barredo, R., Heimdal, J., Johnson, O., Pounders, V., Bradley, W., & Hubbert, D. (2019). *Knowledge, Attitudes, and Practices on the use of Energy Drinks among Division Athletes.* Published in the Federation of American Society of Experimental Biology Journal 33(1) Spring 2019.
https://www.fasebj.org/doi/10.1096/fasebj.2019.33.1_supplement.839.1
- Patel K, Inman W, Giske J, Johnson O, Elizabeth B, Kanu M, Theriot R, Sanderson M, Hull P, Hargreaves M. A community-driven intervention for improving bio-specimen donation in African American communities. Journal of Racial and Ethnic Health Disparities 2017;
- ECHO - Journal of the National Black Association for Speech-Language and Hearing Article: Beyond the Lyrics Volume 10 # 2 fall 2015
- Bonnie Chakravorty, Robert J. Buchanan, Owen Johnson, and Timothy Vollmer “Health-Related Quality of Life among Latinos with Multiple Sclerosis” Journal of Social Work in Disability & Rehabilitation accepted for publication Vol. 11, Issue 4 in December 2012.
- Bonnie Chakravorty, Robert J. Buchanan, Owen Johnson, Tuula Tyry and Timothy Vollmer. Psychosocial Experiences and Perceptions of African American with Multiple Sclerosis: A Pilot Study. Journal of the National Society of Allied Health – Spring/Summer 2010.
- Huang B, Dignan M, Han D, Johnson O. J., “Does Distance Matter? Distance to Mammography Facilities and Stage at Diagnosis of Breast Cancer in Kentucky”. Journal of Rural Health, 2009 Fall; 25 (4):366-71.
- Samuels, A.D., Foxx, T.L., Johnson, O.S. (2009) "The Utilization of Child Passenger Safety Restraints in Middle Tennessee. Journal of the National Society of Allied Health, 2009 6(7),30-39

PRESENTATIONS

- Does Vaccination Cause Autism and Other Diseases? (Poster presentation), Ashli Earl and Owen Johnson (Mentor). 17th Annual Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP) Undergraduate Research Conference, Research Engagement and Creativity through STEM. February 13-14, 2020, University of Tennessee, Knoxville.
- The Risk Factors and Mortality Rate of Breast Cancer in African American Women (oral presentation), 17th Annual Tennessee Louis Stokes Alliance for Minority Participation (TLSAMP) Undergraduate Research Conference, Research Engagement and Creativity through STEM. February 13-14, 2020, University of Tennessee, Knoxville.
- Early Exposure/Long-Term Gains: Encouraging Underrepresented Children to Pursue STEM Careers (oral presentation). Dr. Owen Johnson, Dr. Trinetia Respress, Ms. Sosiak Makonnen, and Mr. Napoleon Harris. 14th Annual Tennessee STEM Education Research Conference, January 16-17, 2020 at

Tennessee Tech University in Cookeville, Tennessee.

- Knowledge, Attitudes, and Practices on the use of Energy Drinks among Division Athletes. Poster presentation in Experimental Biology 2019 Annual Convention in Orlando, FL April 9, 2019
- Tennessee Public Health Association - TNPCHA - Presentation September 2016 - A Community-Driven Intervention for Improving Bio-Specimen Donation in African Americans
- Research Symposium presentations - April 2016
 - Intelligibility Rating of Faculty with Foreign Accents - awarded 3rd place
 - Breast Cancer Survival in Tennessee Disparities Amongst Races and Ethnicities - - awarded 3rd place.
- National Black Association of Speech-Language and Hearing - NBASLH - Presentation- May 2016
 - Intelligibility Rating of Faculty with Foreign Accents by College Students 2016 NBASLH Convention Proceedings posted 6/27/2016
- Tennessee State Annual Research Symposium presentations - - March 2015
 - Dear Dr. Glover: The Students Discuss Communication in the Classroom
 - Dear Dr. Glover: Students Were Surveyed about Faculty with Accents
- National Black Association of Speech-Language and Hearing - NBASLH - Presentation- April 2015
 - College Students' Views about Faculty with Accents
- Tennessee Public Health Association - TNPCHA - Presentation September 2015 Diffusion of HPV and Meningococcal Vaccines among Adolescent Females: Role of Healthcare Access and Physician Recommendation over Time
- The 140th Annual Meeting & Exposition (October 27-31 2012) of the American Public Health Association, (APHA) San Francisco, CA. "Assess College Age Students' Attitudes regarding Older Adults" poster presentation
- The 140th Annual Meeting & Exposition (October 27-31 2012) of the American Public Health Association, (APHA) San Francisco, CA. "Reaching One Generation at Time: A service Learning Approach to Promoting Responsible Sexual Behavior among College Students.", a poster presentation.
- The Tennessee Public Health Association Annual Presentation (September 2012), "Assessing College Age Students' Attitudes Regarding Older Adults." Elizabeth Brown, PhD and Owen Johnson, Dr. P.H. TSU.
- National Black Association for Speech-Language and Hearing (NBASLH) Annual Convention April 19-22, 2012, Raleigh, North Carolina: "A Relational Analysis of AAE & Hip Hop/Rap Music" Iris Johnson Arnold, PhD; Owen Johnson, PhD; Cierra Love Baker; Daniel Flatt, BA; Jenna LaNier; Chareva McCullough, BS.
- The 139th Annual Meeting & Exposition (November 2011) of the American Public Health Association, (APHA) Washington, DC. "Hospital admission may be driven by hospital bed capacity in some Tennessee County Hospitals",
- Oral presentation National Black Association for Speech-Language and Hearing (NBASLH) Annual Convention April 7-10, 2011, Indianapolis, Indiana, "African American English and Hip Hop/Rap Music: A Relational Analysis" Iris Johnson, PhD, Tennessee State University; Owen Johnson, PhD, Tennessee State University; Cierra Baker, Tennessee State University; Daniel Flatt, BA, Tennessee State University; Alex Gibbs, Tennessee State University.
- The 138th Annual Meeting & Exposition (November, 2010) of the American Public Health Association, (APHA) Denver, CO. "Drivers with a Child Passenger are More at Risk for Injury than their Child Passengers Due to Drivers Not Wearing Seatbelt", a poster presentation.
- Americas Committee for Treatment and Research in Multiple Sclerosis (ACTRIMS) May 30th 2009 Atlanta GA. Rehabilitation and Quality of Life. Bonnie Chakravorty, Robert J. Buchanan, Owen Johnson and William Hatcher.
- Beyond the lyrics: A Relational/historical Analysis of African American English and Hip Hop from 1965 - 1989, Flatt, Daniel; Prather, Lauren; McCullough, Chareva; Dr. Iris Johnson Arnold and Dr. Owen Johnson. Department of Speech Pathology 2010
- The 135th Annual Meeting & Exposition (November 3-7, 2007) of the American Public Health Association, Washington, DC. "A Cluster Analysis with Repeated Measure to Assess Modification in Screening Behavior of a Diabetic Population". A round table oral presentation.
- Samuels, A. D., Foxx, T.L. and Johnson, a. S. (2009) Cultural Competency: Approaches to Improve Healthy Behaviors. Xavier University of Louisiana College of Pharmacy Third Annual Health Disparities Conference. April 19-21, 2009. New Orleans, LA.
- Samuels, A.D., Foxx, T. & Johnson, O. (2009), "The Utilization of Child Passenger Safety Restraints in Middle Tennessee. 31st Annual Tennessee State University Research Symposium. March 30 - April 3, 2009. Nashville, TN.
- Briggs, R., Brown, E., Foxx, T., Johnson, O., Brown, I., Mahone, A. & Taylor, B. (2008) Obesity

Awareness Among Tennessee State University College Students. National Society of Allied Health Annual Meeting. Nashville, TN. March 2008.

- The 135th Annual Meeting & Exposition (November 3-7, 2007) of the American Public Health Association, Washington, DC. "Modification in LDL Screening Behavior of a Diabetic Population". A poster presentation.
- The 2007 CDC Cancer Conference, Atlanta GA, "Diagnosis of Cancer; who gets treated and who does not? The Continuum of Cancer Care in Rural America Presented at Intercultural Cancer Conference (ICC) April 2006, Washington, DC. Johnson, Owen. African Americas Missing out on Chemotherapy for Colorectal Cancer. Symposium poster presented at the 2006 meeting of the American Society of Preventive Oncology, Houston, TX;
- Huang, B. Johnson, Owen and Dignan, Mark. Breast Cancer Stage at Diagnosis and Travel Distance. Symposium poster presented at the 2006 meeting of the American Society of Preventive Oncology, Houston, TX.
- The Leading Causes of Death and The Burden of Chronic Disease Presented at the College of Public Health, University of Kentucky Annual Research Symposium 2004
- Cultural Competency and Quality of Health Care for Minorities, Presented at the College of Public Health, University of Kentucky Annual Research Symposium 2005.
- Does Travel Distance Matters? Breast Cancer Stage and Risk Factors Affecting Women Residing in Rural Communities. Presented at the College of Public Health, University of Kentucky Annual Research Symposium 2006.

TECHNICAL AND SPECIALIZED TRAINING

- Open Learning Initiative (OLI) - Carnegie Mellon University Pittsburg; online training to teach statistics in on line.
- NHIS, HCUP and MEPS - claim and expenditure data management and data analysis.
- Clinical Research Associate (CRA) Trained
- Behavioral Risk Factor Surveillance System (BRFSS) Data Management and Analysis, CDC.
- NIH and NCI Health Disparities monitoring
- Data base management including SAS, SPSS, SQL, EPI-Info ACCESS, and EXCEL
- Biostatistics and Statistic training in data analysis using Regression, Mixed Models along with other conventional methodologies
- Geographic Information System (GIS) experienced
- Monitoring of US Socioeconomic Inequalities in accessing health using area-based socioeconomic measures
- Experimental and Surveys Designs and Analysis
- Epidemiology training in disease surveillance
- Grant Writing and Proposals
- Certificate in Developmental Disabilities, University of Kentucky.

PROFESSIONAL AFFILIATIONS

- American Public Health Association (APHA)
- The Association of University Programs in Health Administration (AUPHA)
- American Statistical Association (ASA)
- Tennessee Public Health Association (TPHA)
- Member, National Society of Allied Health
- Journal Reviewer, National Society of Allied Health
- Reviewer Journal of Health Care for the Poor and Underserved (JHCPU)

UNIVERSITY SERVICES

- AUPHA Self-Study Committee
- Curriculum Committee
- HCAP-HLSC Comprehensive Examination Committee
- MPH Comprehensive Exam Committee
- Tenure and Promotion Committee
- HLSC Admissions Committee
- Research Committee
- Textbook Committee
- MPH Admissions Committee

- Faculty Search Committee
- MPH Program Manager Search Committee
- PHHAHS Web Page Committee

DISSERTATION COMMITTEE EXPERIENCE/MEMBER

1. Student Participation in Leadership Programs, Formal Leadership Roles, and Leadership Education: An Examination of Socially Responsible Leadership Outcomes by William U. Latham – August 2009.
2. The Effects of Direct Instruction's Corrective Reading Program on the Reading Proficiency of Students in a Self-Contained Special Education School by Susan Sawyer - April 2013
3. Do leading doctorate granting institutions include in their preparation of educational leadership personnel, empirically identified components critical to serving students with disabilities? By Meagan Fisher – January 2010
4. An Analysis Of Inmates in Tennessee: Factors That Impact Participation In Ged Programs by Turner Nashe – October 2010
5. Does Instructor-guided supplemental instruction aid in improving reading assessment scores of reading-deficient college students by Audrey B. Lukula - April 2013
6. A Correlational Analysis Of Self-Esteem Levels And Involvement In Risky Behaviors Among Female Freshman College Students by Revlon B. Briggs – November 2013
7. An Investigation of the Impact of a Summer Reading Clinic on Academic Achievement by Tamla V Gordon – February 2014.
8. Effectiveness of SRA Reading Mastery on Low-Achieving Fourth Grade Students by Marsha Wyatt – January 2013
9. Factors that Contribute to the Selection Process of College Freshmen Choosing to Attend HBCU's by Natara K. Garvin – February 2012
10. Middle School Teachers' Perceptions Of Grade Level Retention In Rutherford County, Tennessee by Jacqueline Cathey – August 2012
11. Teachers' Perceptions Of Alternative Practices And Exclusionary Discipline by Darren H. Kennedy – August 2016
12. The Relationship among Community Violence and Racial Socialization and Their Influence on the Masculine Ideology of Young Black Men by Christopher Brooks - January 2017
13. Differences In Middle School TCAP Writing Assessment Scores Based On Keyboarding Skill by Carol Parker – November 2015
14. Career And Technical Education Concentrator Effect On Graduation Rates In A Suburban District by Tunisha V. Hobson – December 2015
15. Perceived Value Of The International Baccalaureate Program By Graduates Who Are In College Or Who Have Attended College In The Last Five Years In Terms Of Critical thinking, Exposure to global issues, Time management to meet expectations and assignment deadlines of college level courses and Performing written assignments. By Marlaine Ells – November 2015
16. Crisis Management & Student Perception of Safety on TSU's Campus by Kelle Neal – March 2016
17. Effectiveness of WIDA English Language Development Standards Meeting Proficiency for English Language Learners by Kelley Coulter – July 2016
18. Teachers' Perceptions of the School Environment As Impacted by Principal Mobility by Carl Carter – Fall 2019 TSU College of Education
19. The Impact of Web 2.0 Tools for High School Teachers in Enhancing Teaching, Improving Learning, and Increasing Productivity by Joseph Hensley – Fall 2019 TSU College of Education.
20. The Implementation Of State Mandated Response To Intervention (RTI) Program by Melody J. Smith – Fall 2019 TSU College of Education

Certification:

- Certified in Public Health (CPH) – Recertificated – December 2011, December 2013, December 2015 & December 2019.