

Dr. Angela S. Bowman

Assistant Professor

Department of Health and Human Performance:
Middle Tennessee State University

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September 2022

EDUCATION

Ph.D. Human Performance/Health 2018
Middle Tennessee State University Murfreesboro, TN

DrPH. Public Health, Transferred to MTSU 2016
Texas A&M University College Station, TX

M.A. Psychology/Quantitative Psychology and Psychometrics 2014
Middle Tennessee State University Murfreesboro, TN

B.A. Psychology 2011
Eastern Illinois University Charleston, IL

PROGRAMMING / STATISTICAL SKILLS

SPSS Syntax	Data Management	Network Analysis	Psychometrics (IRT/CTT)
R	Complex Samples	Time Series & Survival Analysis	Rasch Modeling
AMOS	Text Mining	Structural Equation Modeling	ANOVA/MANOVA
Xcalibre	Factor Analysis	Regression/Correlation	Multilevel Modeling
Vennage	Meta-Analysis	Logistic Regression	Power Analysis
Big Data	Item Analysis	Decision Tree Analysis	Generalized Estimating Equation

OTHER RELEVANT TRAINING

Advanced Epidemiological Methods	Public Health Theory & History	Public Health Interventions
Social Epidemiology	Global School Health Policy	Qualitative Research
Social Ecology of Health Behavior	NIH & NSF Grant Writing	Advanced Survey Methodology
Health Disparities & Social Justice	Advanced Research Methods	Pedagogy

MAIN AREAS OF RESEARCH OR SCHOLARLY INTEREST

Mental Health Literacy	Social Epidemiology	Effect of Stress on Chronic Disease
Health Disparities	Health Policy Research	Evidence-Based Prevention Research
Social Determinants of Health	Suicide Prevention Research	Survey Methodology and Psychometrics

PROFESSIONAL EXPERIENCE

Assistant Professor of Public Health and Human Performance 2018 - Present
Middle Tennessee State University Murfreesboro, TN
Department of Health and Human Performance: Graduate Faculty

PUBLICATIONS

Peer Reviewed Journal Articles

- Bowman, A. S.**, Wrye, B., Dickson, P., & Brillon, N. M. D. (2022) A cross-sectional examination of the complex relationship between early initiation of sex, weight status, and the adverse childhood experience of forced sexual contact among adolescent girls in the U.S., *Journal of Adolescent Health*, [Under Review].
- Brillon, N. & **Bowman, A. S.** (2022). Food environment and diet quality of home and work: A descriptive study. *Eating Behavior*. [Under Review].
- Martinez-Sepanski, S. C., Mehls, K. D, **Bowman A.S.**, Coons, J. M., & Mehls, K. D. (2022). The Effect of Hip Flexor Tightness on Muscle Activity during the Front Squat. *Journal of Strength and Conditioning Research*. [Under Review].
- Claypool, R., Wrye, B., **Bowman, A. S.**, Sobrero, G., & Morgan, D. (2022). Trauma-informed care in the exercise industry. *Journal of Health Education & Behavior*. [Under Review].
- Jones, N., **Bowman, A. S.**, Harden, V. L. (2022). Is discrimination associated with sleep quality among undergraduate students? *Journal of College Student Development*. [Under Review].
- Jennings, S. V., Finnerty, C. C., Hobart, J. S., Martín-Martínez, M., Sinclair, K. A., Slee, V. M., Agopian, J., Akin, C., Álvarez-Twose, I., Bonadonna, P., **Bowman, A. S.**, Brockow, K., Bumbea, H., de Haro, C., Fok, J. S., Hartmann, K., Hegmann, N., Hermine, O., Kalisiak, M., Katelaris, C. H., ... Valent, P. (2022). Mast Cell Diseases in Practice and Research: Issues and Perspectives Raised by Patients and Their Recommendations to the Scientific Community and Beyond. *The journal of allergy and clinical immunology*. In practice, 10(8), 2039–2051. <https://doi.org/10.1016/j.jaip.2022.06.018>
- Jennings, S. V., Slee, V. M., Finnerty, C. C., Hempstead, J. B., & **Bowman, A. S.** (2021). Symptoms of mast cell activation, The patient perspective. *Annals of Allergy, Asthma, & Immunology*, 000 (2021), 1-3, DOI: <https://doi.org/10.1016/j.anai.2021.07.004>
- Mooth, M. M., Barry, V. W., Stevens, S., Caputo, J. L., Smith, E., & **Bowman, A. S.** (2021). Patterns of physical activity and eating habits during COVID-19. *International Journal of Home Economics*, 14(2), 82-87. DOI: <https://search.informit.org/doi/10.3316/informit.991143658298223>
- Prairie, T. M., Wrye, B., **Bowman, A. S.**, Weatherby, N. L., & Thareja, G. (2019). Does location of practice or religiosity predict negative physician attitudes or beliefs toward LGB+ individual?. *Journal of Religion and Health*, 1, 1-11, DOI: <https://doi.org/10.1007/s10943-019-00894-8>
- Bowman, A. S.**, Owusu, A., Trueblood, A. B., & Bosumtwi-Sam, C. (2018). Impact of school health management committees on health services delivery in Ghana: A national level assessment. *International Journal of Health Planning and Management*, 33(3), e821 – e832, DOI:10.1002/hpm.2540

Conference Proceeding

- Marquez, S., Story, C., Aday, R. & **Bowman, A. S.** (2022). Older U.S. retirees in pursuit of a more equitable healthcare experience in Mexico. APHA's 2022 Annual Meeting & Expo. <https://apha.confex.com/apha/2022/meetingapp.cgi/Paper/515921>
- Claypool, R., **Bowman, A. S.**, Story, C. R., Wrye, B. A. E. (2021). An investigation of the perception of change in social connectedness during the COVID-19 pandemic among women in faith

communities. APHA's 2021 Annual Meeting & Expo.
<https://apha.confex.com/apha/2021/meetingapp.cgi/Paper/501688>

Bowman, A. S., Slee, V., Finnerty, C., Hemstead, J., Stone, K. W., Sterlingshires, M., Akin, C., Jennings, S. (2021). Assessing social isolation, barriers to social connectedness, and needs associated with psychosocial well-being in a rare disease population. APHA's 2021 Annual Meeting & Expo.
<https://apha.confex.com/apha/2021/meetingapp.cgi/Paper/505276>

Brillon, N., **Bowman, A. S.** (2021). Food environment, diet quality, and socioeconomic status in a southeastern large fringe metropolitan area. APHA's 2021 Annual Meeting & Expo.
<https://apha.confex.com/apha/2021/meetingapp.cgi/Paper/502841>

Christian, G. W., Gray, H. J., Oldham, C. R., **Bowman, A. S.** (2021). Quadriplegic sexuality: Demystifying misconceptions and exploring psycho-social determinants of healthy sexual habits among people with disabilities. APHA's 2021 Annual Meeting & Expo.
<https://apha.confex.com/apha/2021/meetingapp.cgi/Paper/502291>

Bowman, A. S., Owusu, A. K., Kim, J. K., & Weatherby, N. L. (2020). Application of 2-parameter item response theory to assess construct-theory match in assessment of mental health literacy. *APHA's 2020 Annual Meeting & Expo (Oct. 24-Oct. 28)*.
<https://apha.confex.com/apha/2020/meetingapp.cgi/Paper/469299>

Bowman, A. S., Haley, C., Detomasi, N., Sterlingshires, M. (2020). Effect of access to disease specific specialized care on health-related quality of life in a rare disease community. *APHA's 2020 Annual Meeting & Expo (Oct. 24-Oct. 28)*.
<https://apha.confex.com/apha/2020/meetingapp.cgi/Paper/480018>

Detomasi, N., Stone, K. W., Wrye, B. A. E., Owusu, A., **Bowman, A. S.** (2020). Examining the relationship between food insecurity and obesity in the United States using a nationally representative sample. *APHA's 2020 Annual Meeting & Expo (Oct. 24-Oct. 28)*.
<https://apha.confex.com/apha/2020/meetingapp.cgi/Paper/470679>

Owusu, A., **Bowman, A. S.**, Claypool, R., Bosumtwi-Sam, C. (2020). Predicting adoption of anti-violence and bullying policies among basic and high schools in Ghana. *APHA's 2020 Annual Meeting & Expo (Oct. 24-Oct. 28)*. <https://apha.confex.com/apha/2020/meetingapp.cgi/Paper/469365>

Bowman, A. S., Jones, A., Dickson, P., Wrye, B. (2020). The effect of adverse childhood events and prior experience with sexual misconduct on moral disengagement on a college campus. *APHA's 2020 Annual Meeting & Expo (Oct. 24-Oct. 28)*.
<https://apha.confex.com/apha/2020/meetingapp.cgi/Paper/469323>

Rajvong, W., Owusu, A., Wrye, B. A. E., **Bowman, A. S.** (2019). An examination of prediabetes, type 2 diabetes, and associated factors among adults in the United States. *APHA's 2019 Annual Meeting & Expo (Nov. 2-Nov. 6)*. <https://apha.confex.com/apha/2019/meetingapp.cgi/Paper/435708>

Wrye, B. A. E., Dickson, P., **Bowman, A. S.** (2019). Exploring the complex relationship between the adverse childhood experience of forced sexual contact and high risk sexual behavior, and their effect on weight status among adolescent girls. *APHA's 2019 Annual Meeting & Expo (Nov. 2-Nov. 6)*.
<https://apha.confex.com/apha/2019/meetingapp.cgi/Paper/432957>

Bowman, A. S., Haley, C., Jennings, S., Slee, V. (2019). Impact of access to specialized care on patient perception of well-being and quality of care in a rare disease population. In J. Hempstead, A. Slee, M.

Castells, & C. Akin (Eds.), *APHA's 2019 Annual Meeting & Expo (Nov. 2-Nov. 6)*.
<https://apha.confex.com/apha/2019/meetingapp.cgi/Paper/450729>

Bowman, A. S., Haley, C., Jennings, S., Slee, V. (2019). Impact of clonal and nonclonal mast cell activation disorders as chronic diseases with mental health components. In J. Hempstead, A. Slee, M. Castells, & C. Akin (Eds.), *APHA's 2019 Annual Meeting & Expo (Nov. 2-Nov. 6)*.
<https://apha.confex.com/apha/2019/meetingapp.cgi/Paper/449038>

Jennings, S., Slee, V., Hempstead, J., **Bowman, A. S.** (2019). The Mastocytosis Society mast cell activation syndrome patient perceptions survey. In A. Slee, M. Castells, & C. Akin (Eds.), *AAAAI 2019 Annual Meeting (Feb. 22-Feb. 25)*. <https://aaaai.confex.com/aaaai/2019/webprogram/Paper42393.html>

Bowman, A. S., Trueblood, A., Owusu, A., Bosumtwi-Sam, C., Story, C. R., Wrye, B. A. E. (2018). Educational access equity: Determinants of implementation of menstruation and pregnancy related school health policies in Ghana. *APHA's 2018 Annual Meeting & Expo (Nov. 10-Nov. 14)*.
<https://apha.confex.com/apha/2018/meetingapp.cgi/Paper/422100>

Bowman, A. S., Prairie, T., Weatherby, N. L., Owusu, A., Story, C. R. (2018). Using mental health literacy to predict skepticism toward treatment and stigmatizing attitudes against mental illness. *APHA's 2018 Annual Meeting & Expo (Nov. 10-Nov. 14)*.
<https://apha.confex.com/apha/2018/meetingapp.cgi/Paper/421160>

Greene, H., Pryor, T., Shires, C., **Bowman, A. S.,** Owusu, A. (2017). A mental health issue: the relationship between sexual assault and mental health among Tennessee high school students. *APHA 2017 Annual Meeting & Expo (Nov. 4-Nov. 8)*.
<https://apha.confex.com/apha/2017/meetingapp.cgi/Paper/390520>

Owusu, A., **Bowman, A. S.,** Flores, K., Bosumtwi-Sam, C. (2017). Adoption and implementation of Water, Hygiene, and Sanitation policy guidelines among primary and secondary schools in Ghana. *APHA's 2017 Annual Meeting & Expo (Nov. 4-Nov. 8)*.
<https://apha.confex.com/apha/2017/meetingapp.cgi/Paper/386610>

Prairie, T. M., Weatherby, N. L., Wrye, B. A. E., **Bowman, A. S.** (2017). Does location of practice predict negative physician attitudes or beliefs toward LGB+ individuals? *APHA's 2017 Annual Meeting & Expo (Nov. 4-Nov. 8)*. <https://apha.confex.com/apha/2017/meetingapp.cgi/Paper/386045>

Owusu, A., **Bowman, A. S.,** Bosumtwi-Sam, C. (2016). Adoption rates of guidelines for minimum health services delivery among schools in Ghana. *APHA's 2016 Annual Meeting & Expo (Oct 28-Nov. 3)*.
<https://apha.confex.com/apha/144am/meetingapp.cgi/Paper/364763>

Magazine/Trade Publication

Harvey, M. L., **Bowman, A. S.,** Bates-Fredi, D. (2020). The false narrative of safety for small and mid-size cities amid the COVID-19 pandemic. *Healthcare and Critical Infrastructure* (vol. Winter 2020). The American Sociological Association. <https://contexts.org/blog/healthcare-and-critical-infrastructure/>

Technical Reports and Fact Sheets

Owusu, A., **Bowman, A. S.,** Bosumtwi-Sam, C., Prairie, T., Trueblood, A., & Flores, K. (2017). 2015 Global school health policies and practices survey (G-SHPPS): Ghana report basic and secondary schools. *U.S. Centers for Disease Control and Prevention (CDC) & World Health Organization (WHO)*, Atlanta GA & Geneva Switzerland.

Owusu, A., **Bowman, A. S.**, Shires, C., & Bosumtwi-Sam, C. (2017). Ghana Education Services: 2015 Ghana School Health Policies and Practices Survey Fact Sheet. *U.S. Centers for Disease Control and Prevention (CDC) & World Health Organization (WHO)*, Atlanta GA & Geneva Switzerland.

Owusu, A., **Bowman, A. S.**, Bosumtwi-Sam, C., Prairie, T., Trueblood, A., & Flores, K. (2017). Predictors and implementation rates of recommended minimum package for school level health services delivery in Ghana. *Ghana Education Evidence Summit*, Accra Ghana.

Other Published Work

Bowman, A. S. (2018). *An Examination of Mental Health Literacy and Stigma against Mental Illness Using an Item Response Theory Approach*. Middle Tennessee State University.
<https://search.proquest.com/openview/0d31813005cafe46e2d67dfade66825f/1?pq-origsite=gscholar&cbl=18750&diss=y>

Bowman, A. S. (2014). *Evaluating the psychometric properties of the five-facet mindfulness questionnaire: An item response theory analysis*. Middle Tennessee State University.
<https://pdfs.semanticscholar.org/f843/371ecc116c1b1ed71002cc432b5432c2e494.pdf>

PRESENTATIONS (N = 65)

Oral

Chesak, G., **Bowman, A. S.** (2022) Top 5 Award: An examination of the impact of the COVID-19 pandemic on postpartum psychiatric outcomes in Tennessee, Tennessee Public Health Association Annual Meeting, Murfreesboro, TN.

Jennings, S., Slee, V., Brillon, N., **Bowman, A. S.** (PI), (2021) *FDA Patient Listening Session: Mastocytosis and supplements*, FDA Listening Session: Food and Drug Administration (FDA), Washington, DC.

Taylor, M., Brillon, N., & **Bowman, A. S.** (2021). *Top 5 Award: An examination of the impact of COVID19 on psychological well-being among Tennesseans*, Tennessee Public Health Association Annual Meeting (TPHA), Virtual.

Guinn, T., Marquez, S., Ehuren, P., Brillon, N., & **Bowman, A. S.** (2021). *Top 5 Award: An examination of the impact of the COVID19 pandemic on mental health status*, Tennessee Public Health Association Annual Meeting, (TPHA), Virtual.

Jennings, S., Slee, V., Finnerty, C., Hempstead, J., **Bowman, A. S.** (PI), Akin, C. (2020). *18th Annual Meeting of the ECNM, "Major needs and concerns of US patients: Mastocytosis"*, European Competence Network on Mastocytosis [ECNM], Vienna, Austria. (August 2020).

Slee, V., Jennings, S., Finnerty, C., Hempstead, J., **Bowman, A. S.** (PI), Akin, C. (2020). *18th Annual Meeting of the ECNM, "Major needs and concerns of US patients: MCAS and beyond"*, European Competence Network on Mastocytosis [ECNM], Vienna, Austria. (August 2020).

Bowman, A. S. (PI), Haley, C., Jennings, S. V., Slee, V. M., Hempstead, J., Slee, A. M., Castells, M. C., & Akin, C., (2019). *Impact of access to specialized care on patient perception of well-being and quality of care in a rare disease population*. American Public Health Association [APHA] Annual Meeting, Philadelphia, PA.

Jennings, S. V., Slee, V. M., Hempstead, J., Slee, A. M., Castells, M., Akin, C., & **Bowman, A.** (PI). (2018). *Patient perceptions of mast cell activation syndrome*. National Institutes of Health [NIH] National Institute of Allergy and Infectious Diseases [NAID] Workshop on Mast Cell Disorders, Invited Talk, Bethesda, MD.

Bowman, A. S., Owusu, A., Flores, K, Bosumtwi-Sam, C. (2017). *Adoption and implementation of Water, Hygiene, and Sanitation (WASH) policy guidelines among primary and secondary schools in Ghana*. American Public Health Association [APHA] Annual Meeting, Atlanta GA.

Owusu, A. & **Bowman, A. S.** (2017, March). *Predictors and implementation rates: Health services delivery and WASH components among basic and secondary schools in Ghana*. Ghana Education Evidence Summit, **Accra, Ghana**.

Posters

- Marquez, S., Story, C., Aday, R. & **Bowman, A. S.** (2022). Older U.S. retirees in pursuit of a more equitable healthcare experience in Mexico. APHA's 2022 Annual Meeting & Expo, Boston, MA.
- Harris, S. A. & **Bowman, A. S.** (2022). Survey of student attitudes and preferences in undergraduate online nutrition and food science courses. Mid-South Educational Research Association Annual Meeting, Little Rock, AR.
- Givens, M. & **Bowman, A. S.**, Stone, K. W. (2022). A hot spot analysis of opioid prescribing and overdose patterns with geospatial distribution of peer recovery programs in Tennessee. Tennessee Public Health Association Annual Meeting, Murfreesboro, TN.
- Light, B. & **Bowman, A. S.** (2022). An examination of factors related to stigmatizing attitudes towards those with dementia. Tennessee Public Health Association Annual Meeting, Murfreesboro, TN.
- Sanchez, J. & **Bowman, A. S.** (2022). An examination of health behaviors related to adherence to U.S. Centers for Disease Control COVID-19 guidelines. Tennessee Public Health Association Annual Meeting, Murfreesboro, TN.
- Chesak, G. & **Bowman, A. S.** (2022). An examination of the impact of the COVID-19 pandemic on postpartum psychiatric outcomes in Tennessee. Tennessee Public Health Association Annual Meeting, Murfreesboro, TN.
- Bogle, D., Marquez, S., Brillon, N., & **Bowman, A. S.** (2022). Location of previous high school education as a determinant of STI and HIV knowledge and practices among students at a Southeastern University. Tennessee Public Health Association Annual Meeting, Murfreesboro, TN.
- Chesak, G., **Bowman, A. S.** (2022) Top 5 Award: An examination of the impact of the COVID-19 pandemic on postpartum psychiatric outcomes in Tennessee, Tennessee Public Health Association Annual Meeting, Murfreesboro, TN.
- Grubbs, B. F., Johnson, S., Caputo, J., **Bowman, A. S.**, Alasmar, R., Barry, V. (2022). Sit-to-stand power predicts frailty status in free-living older adults, ACSM Annual Meeting & World Congresses, The American College of Sports Medicine, San Diego, CA.
- Jennings, S. V., Finnerty, C. C., Hobart, J. S., Martin-Matinez, M., Sinclair, K. A., Slee, V. M., Agopian, J., Akin, C., Álvarez-Twose, I., Bonadonna, P., **Bowman, A. S.**, Brockow, K., Bumbea, H., de Haro, C., Fok, J.S, Hartmann, K., Hegmann, N., Hermine, O., Kalisiak, M., ... Valent, P. (2022). Mast cell diseases in practice and research: issues and perspectives raised by patients and their recommendations to the scientific community, American Initiative in Mast Cell Diseases (AIM) Investigator Conference, Salt Lake City, UT.
- Givens, M. & **Bowman, A. S.** (2022). A longitudinal analysis of the change in risk of early initiation of opioid use and stigmatizing attitudes that prevent early access to treatment. MTSU Scholar's Week 2022, Murfreesboro, TN.

- Ward, M. & **Bowman, A. S.** (2022). A survey of speech-language pathologists' clinical training, knowledge, & decision-making when evaluating and treating individuals with dysphagia. MTSU Scholar's Week 2022, Murfreesboro, TN.
- Sanchez, J. & **Bowman, A. S.** (2022). An examination of health behaviors related to adherence to U.S. Centers for Disease Control COVID-19 guidelines. MTSU Scholar's Week 2022, Murfreesboro, TN.
- Taylor, M. & **Bowman, A. S.**, Brillon, N. (2022). An examination of the impact of COVID 19 related stressors and psychological wellbeing among Tennesseans. MTSU Scholar's Week 2022, Murfreesboro, TN.
- Chesak, G., Finch, J. A., & **Bowman, A. S.** (2022). Impact of the COVID-19 pandemic on postpartum psychiatric outcomes. MTSU Scholar's Week 2022, Murfreesboro, TN.
- Harris, S. & **Bowman, A. S.** (2022). Student preferences and best practices in online nutrition and food science education at southeastern university. MTSU Scholar's Week 2022, Murfreesboro, TN.
- Marquez, S. & **Bowman, A. S.** (2022). The role of higher education in preparing students to interact with our aging population: an assessment of the integration of aging topics. MTSU Scholar's Week 2022, Murfreesboro, TN.
- Claypool, R., **Bowman, A. S.**, Story, C. R., & Wrye, B. A. E. (2021). *An investigation of the perception of change in social connectedness and daily life among Tennesseans during the COVID-19 pandemic*, Tennessee Public Health Association Annual Meeting (TPHA), Virtual.
- Anderson, D., & **Bowman, A. S.**, (2021). *A descriptive study of COVID19 stressors and well-being among food service workers in Tennessee*, Tennessee Public Health Association Annual Meeting (TPHA), Virtual.
- Brillon, N., Finch, J. A., & **Bowman, A. S.**, (2021) *A descriptive study of the perceived diet quality and food environment in Middle Tennessee*, Tennessee Public Health Association Annual Meeting (TPHA), Virtual
- Taylor, M., Brillon, N., & **Bowman, A. S.** (2021). *An examination of the impact of COVID19 on psychological well-being among Tennesseans*, Tennessee Public Health Association Annual Meeting (TPHA), Virtual. (September 2021).
- Guinn, T., Marquez, S., Ehuren, P., Brillon, N., & **Bowman, A. S.** (2021). *An examination of the impact of the COVID19 pandemic on mental health status*, Tennessee Public Health Association Annual Meeting, (TPHA), Virtual.
- Claypool, R., **Bowman, A. S.**, Fuller, D. K., & Morgan, D. W. (2021). *Development of the Sexual Abuse Assessment Tool [SAAT] for exercise professionals who interact with women survivors of sexual abuse.*, MTSU Scholar's Week 2021, Virtual, Murfreesboro, TN.
- Brillon, N., & **Bowman, A. S.** (2021). *Perceived diet quality and fruit and vegetable consumption in Rutherford County*, MTSU Scholar's Week 2021, Virtual, Murfreesboro, TN.
- Bowman, A. S.**, Haley, C., Detomasi, N., Sterlingshires, M., (2020). *Effect of access to disease specific specialized care on health related quality of life in a rare disease community*, American Public Health Association Annual Meeting [APHA], Virtual.
- Detomasi, N., Stone, K. W., Wrye, B. A. E., Owusu, A. A. K., **Bowman, A. S.** (2020). *Examining the relationship between food insecurity and obesity in the United States using a nationally representative sample*, American Public Health Association 2020 Annual Meeting [APHA], Virtual.
- Owusu, A. A. K., **Bowman, A. S.**, Claypool, R., Bosumtwi-Sam, C., (2020). *Predicting adoption of anti-violence and bullying policies among basic and high schools in Ghana*, American Public Health Association 2020 Annual Meeting [APHA], Virtual.

- Bowman, A. S.**, Jones, A., Dickson, P., Wrye, B. (2020). *The effect of adverse childhood events and prior experience with sexual misconduct on moral disengagement on a college campus*, American Public Health Association 2020 Annual Meeting [APHA], Virtual.
- Bowman, A. S.**, Owusu, A., Weatherby, N. L. (2020). *Application of 2-parameter item response theory to assess construct-theory match in assessment of mental health literacy*, American Public Health Association 2020 Annual Meeting [APHA], Virtual.
- Detomasi, N., **Bowman, A. S.**, Owusu, A., Wrye, B., Stone, K. W. (2020), *Examining the relationship between food insecurity and obesity in the United States using a nationally representative sample*, MTSU Scholars Week, Middle Tennessee State University, Virtual.
- Bowman, A. S.**, Haley, C., Jennings, S. V., Slee, V. M., Hempstead, J. B., Slee, A. M., Castells, M. C., & Akin, C., (2019). *Impact of clonal and nonclonal mast cell activation disorders as chronic diseases with mental health components*. American Public Health Association [APHA] Annual Meeting, Philadelphia, PA.
- Rajvong, W., Owusu, A. O., & **Bowman, A. S.**, Wrye, B. (2019). *An examination of Prediabetes, Type 2 Diabetes, and associated factors among adults in the United States*. American Public Health Association [APHA] Annual Meeting, Philadelphia, PA.
- Wrye, B., Dickson, P., & **Bowman, A. S.** (2019). *Exploring the complex relationship between the adverse childhood experience of forced sexual contact and high risk sexual behavior, and their effect on weight status among adolescent girls*. American Public Health Association [APHA] Annual Meeting, Philadelphia, PA.
- Jennings, S. V., Slee, V. M., Hempstead, J. B., Slee, A. M., Castells, M. C., Akin, C., **Bowman, A. S.** (2019) *The Mastocytosis Society MCAS and Mastocytosis: Reported diagnosis groups-medications and elevated mediator associations*. Inaugural American Initiative in Mast Cell Diseases Investigator Conference, Stanford, CA.
- Jennings, S. V., Slee, V. M., Hempstead, J. B., Slee, A. M., Castells, M. C., Akin, C., **Bowman, A. S.** (2019) *The Mastocytosis Society MCAS and Mastocytosis: Reported diagnosis groups-medications and elevated mediator associations*. The Mastocytosis Society Annual Patient and Caregiver Conference, San Francisco, CA.
- Haley, C., Patrick, S., & **Bowman, A. S.** (2019). *Exploring the complexity of the bidirectional relationship between symptoms of mental illness and chronic disease progression in a rare disease population*. MTSU Scholars Week, Murfreesboro, TN.
- Jennings, S. V., Slee, V. M., Hempstead, J. B., Slee, A. M., Castells, M. C., Akin, C., **Bowman, A. S.** (2019) *The Mastocytosis Society mast cell activation syndrome patient perception survey*. American Academy of Asthma Allergy and Immunology Annual Meeting, San Francisco, CA.
- Bowman, A. S.**, Prairie, T. P., Weatherby, N. L., Owusu, A., & Story, C. (2018). *Using mental health literacy to predict skepticism toward treatment and stigmatizing attitudes against mental illness*. American Public Health Association [APHA] Annual Meeting, San Diego CA.
- Bowman, A. S.**, Trueblood, A. B., Owusu, A., Bosumtwi-Sam, C., Story, C., & Wrye, B.. (2018). *Educational access equity: Determinants of implementation of menstruation and pregnancy related school health policies in Ghana*. American Public Health Association [APHA] Annual Meeting, San Diego, CA.

- Bowman, A. S.**, Prairie, T. P., Sterlingshires, M., Weatherby, N. L., Owusu, A., Story, C., Kim, J., Hamilton, G. (2018). *An examination of the relationship between mental health literacy, stigmatizing attitudes toward mental illness, and skepticism toward treatment*. MTSU Scholars Week, Murfreesboro, TN.
- Rajvong, W., Gause, T., Owusu, A., **Bowman, A. S.**, Story, C., & Wrye, B. (2018). *An examination of the relationship between Type II Diabetes and risk factors including diet, physical activity, and body weight among U.S. adults*. MTSU Scholars Week, Murfreesboro, TN.
- Bowman, A. S.**, Prairie, T., Wrye, B., Owusu, A., & Weatherby, N. (2017). *Emerging adults and mental health literacy: The effects of education and experience with mental illness on mental health literacy*. Society for the Study of Emerging Adulthood [SSEA], Annual Meeting, Washington D.C.
- Prairie, T., Weatherby, N., Wrye, B., & **Bowman, A. S.** (2017). *Does location of practice predict negative physician attitudes or beliefs toward LGBT+ individuals*. American Public Health Association [APHA] Annual Meeting, Atlanta GA.
- Greene, H., Pryor, T., **Bowman, A. S.**, & Owusu, A. (2017). *A mental health issue: The relationship between sexual assault and mental health among Tennessee high school students*. American Public Health Association [APHA] Annual Meeting, Atlanta GA.
- Bowman, A. S.**, Prairie, T., Weatherby, N., & Owusu, A. (2017). *An examination of mental health literacy among students at a Tennessee university*. Tennessee Public Health Association [TPHA] Annual Meeting, Franklin, TN.
- Prairie, T., Givens, M., **Bowman, A. S.**, & Weatherby, N. (2017). *To what extent do individuals living in a county with high illicit drug use recognize addiction as a disease*. Middle Tennessee TPHA Meeting, Franklin, TN.
- Bowman, A. S.**, Owusu, A. O., Bosumtwi-Sam, C., Prairie, T., Trueblood, A., & Flores, K. (2017). *Adoption of Water, Sanitation, and Hygiene policy guidelines among schools in Ghana*. MTSU Scholars Week, Murfreesboro, TN.
- Pryor, T., Greene, H., **Bowman, A. S.**, & Owusu, A. (2017). *The relationship between bullying, depression, and suicidal tendencies among high school students in Tennessee*. MTSU Scholars Week, Murfreesboro, TN.
- Abadula, S., **Bowman, A. S.**, & Owusu, A. (2017). *The relationship between alcohol abuse and sleep deprivation among high school students in the United States*. MTSU Scholars Week, Murfreesboro, TN.
- Bowman, A. S.**, Harden, V., Pharris, A., Noreper, T., & Weatherby, N. (2017). *Health literacy among peer recovery specialists in Tennessee*. MTSU Annual Literacy Research Conference, Murfreesboro, TN.
- Owusu, A., **Bowman, A. S.**, Bosumtwi-Sam, C., Prairie, T., Trueblood, A., & Flores, K. (2016). *Adoption rates of guidelines for minimum health services delivery among schools in Ghana*. American Public Health Association [APHA] Annual Meeting, Denver CO.
- Bowman, A. S.**, & Owusu, A. (2016). *Determinants of adoption of the SHEP Guidelines for Health Services Delivery in Ghanaian Primary and Secondary Schools*. MTSU Scholars Week, Murfreesboro, TN.
- Sanborn, C., Ellis, E., **Bowman, A. S.**, & Hamilton, G. (2014). *Are attitudes toward genetically modified crops impacted by college major?*. Posters at the Capitol, Nashville, TN.
- Bowman, A. S.**, Kim, J., Fuller, D. K., & Crooks, C. (2013). *The psychometric properties of the Five-Facet Mindfulness Questionnaire in a non-clinical sample*. MTPA Annual Conference, Murfreesboro, TN.

INVITED TALKS & LECTURES (*N* = 5)

Bowman, A. S. (2020). *Mental health literacy: Improving mental health outcomes by leveraging theory-based assessments*, College of Behavioral and Health Sciences Spring 2020 Faculty Research Lunch Series CBHS, MTSU, Murfreesboro, TN.

Bowman, A. S. (2016, April). ABC's of stress management for optimal health. *Health Education Research Organization Meeting*, Murfreesboro, TN.

Bowman, A. S. (2016, February). Research ethics: How to spot quacks and research hacks. *Mental Health Ethics Invited Lecture*, Murfreesboro, TN.

Bowman, A. S., Howell, D., & Ory, M. G. (2015, September). Data collection training: Administration for Community Living evidence-based falls prevention program. *Web-based Live Training Seminar Hosted by Texas A&M Evidence Based Programs Resource Center*, College Station, TX.

Bowman, A. S. & Hamilton, G. (2014, April). The public health impact of environmental neurotoxins. *Psychopharmacology Lecture*, Murfreesboro, TN.

CONTRIBUTIONS TO REFEREED PUBLICATIONS

Peer Reviewer

Psychometrika: Journal of Quantitative Psychology
SAGE Open

CONTRACTS, GRANTS & SPONSORED RESEARCH

- 2019 \$3M **Department of Defense [DoD]** Effects of land- and water-based body weight-supported treadmill training on mobility and functional fitness in adults with incomplete spinal cord injury. Co-Investigator. *Not Funded*
- 2018 \$365K **Substance Abuse and Mental Health Services Administration [SAMHSA]** MTSU mental health awareness training program to run Mental Health First Aid training seminars on MTSU campus. Co-Investigator. *Funded*
- 2018 \$500 **MTSU Award** to sponsor undergraduate involvement in research examining the bidirectional relationship of mental illness and chronic mast cell disorders. Faculty Supervisor. *Funded*
- 2018 \$15K **Tennessee Department of Health** Implementation of “mini” YRBS to examine tobacco cessation and impact of large hospital merger. Principal Investigator. *Funded*
- 2015 \$2.7M **National Institutes of Health [NIH]**. Physical Activity Impacts of a Planned Activity-Friendly Community. Co-Author. *Funded*
- 2015 \$600K **Administration for Community Living [ACL]** Falls Reduction Education and Empowerment [FREE]. Co-Author. *Funded*
- 2014 \$16M **National Science Foundation [NSF]**. CHART: Center for Health Analytics, Recognition, and Technology. Submitted as a Science & Technology Center (STC). Co-Author. *Not Funded*

TEACHING EXPERIENCE

Middle Tennessee State University

Graduate:

Data Analysis and Organization for Human Performance: *On Ground*
Advanced Data Analysis and Organization for Human Performance: *On Ground*
Social Epidemiology: *On Ground/Online*
Applied Survey Methodology: *On Ground*
Applied Biostatistics: *On Ground*
Research Practicum in Human Performance: *On Ground*
Practicum in Human Performance: *On Ground*
Nation's Health: *Online*
Special Problems: *Online*

Undergraduate:

Biostatistics: *On Ground/Online*
Bioethical Issues: *Online*
Public Health Measurement and Evaluation: *Hybrid*
Introduction to Health Professions: *Hybrid*
Technology Applications/Lab: *On Ground*
Basic Statistics for Behavioral Science/Lab: *On Ground/Hybrid/Online*
Research Methods/Lab: *On Ground*

MENTORSHIP AND DIRECTED STUDENT LEARNING

Chair Doctoral Dissertation:

Gerald Christian; Samantha Stolze, Joyce Finch, Nickie Brillon, Matthew Ward

Doctoral Dissertation Committees (reader / methodologist / statistical consultation)

Masters Thesis Committees (chair / reader / methodologist / statistical consultation)

Undergraduate Honors Thesis Committees (reader / methodologist / statistical consultation)

Supervised Graduate Independent Studies

High School Senior Thesis Committees

PROFESSIONAL ASSOCIATIONS

2020-present European Competence Network on Mastocytosis (ECNM)

2018-present The Mast Cell Disease Society In. (TMS)

2017-present Tennessee Public Health Association (TPHA)

2017-present Society for the Study of Emerging Adulthood (SSEA)

2016-present American Public Health Association (APHA)

2015-present American Academy of Health Behavior (AAHB)

2015-present American Association for the Advancement of Science (AAAS)

2015-present American Statistical Association (ASA)

UNIVERSITY AND PROFESSIONAL SERVICE

Professional Service

Committee Work

2019-present Section Governing Councilor, Public Health Education and Health Promotion, American Public Health Association, Washington DC

Abstract Peer Reviewer

American Public Health Association [APHA]

Society for Public Health Education [SOPHE]

Tennessee Public Health Association [TPHA]

American Academy of Health Behavior [AAHB]

Society for the Study of Emerging Adulthood [SSEA]

Academic Service

University

2021-present Subcommittee for Online PhD Preliminary Exams

2020-present Building Naming Committee

2018-present Health Education Research Organization (H.E.R.O.), Murfreesboro TN

- Faculty Advisor

2019 Faculty Search Committee: FTT in Health and Human Performance

Public Service

The Mast Cell Disease Society Inc., Sterling, MA

- Content Area Expert, Psychometric and Statistical Consulting: Create, distribute, analyze survey data in rare disease population.
- Volunteer research committee member.

HONORS AND AWARDS

1st Place Poster: MTSU Scholars Week 2018, College of Behavioral and Health Sciences
3rd Place Poster: MTSU Scholars Week 2018, College of Behavioral and Health Sciences
Middle Tennessee State University College of Graduate Studies Student Travel Scholarship, 2017
1st Place Poster: MTSU Scholars Week 2016, College of Behavioral and Health Sciences
Middle Tennessee State University College of Graduate Studies Student Travel Scholarship, 2016
Psi Chi National Honors Society

RELEVANT WORK EXPERIENCE

Health Policy and Statistical Consultant

Division of Coordinated School Health, **Tennessee State Department of Education**
Division of Family Health and Wellness, **Tennessee State Department of Health**
Supervisor: Mark Bloodworth and Michelle Fiscus, M.D., April 2018 – present

- Conduct mini statewide YRBS by generating randomized sample of schools and classrooms
- Use GIS mapping to inform policy makers of the current state of health outcomes in TN
- Map newly legislated health education mandates into current curriculum

IRB Analyst

Office of Research Compliance, **Middle Tennessee State University**
Supervisor: Moses Prabu, PhD., May 2016 – August 2018

- Ensure research investigator compliance with organizational and federal policies regarding the ethical treatment and protection of human research participants and scientific rationale
- Organize and maintain records of all Institutional Review Board (IRB) applications submitted through the MTSU Office of Research Compliance
- Conduct reviews and make determination on IRB exemption when appropriate
- Mentor all levels of faculty and students through the IRB application and review process
- Train and supervise student interns and graduate assistants from varying educational and cultural backgrounds
- Create and maintain MS Access tables and forms for data tracking and storage

Research Assistant

Department of Psychology, **Middle Tennessee State University**
Supervisor: Gloria Hamilton, PhD., October 2015 – May 2016

- Project and data analyst for statewide child and adolescent health risk assessment
- Select, merge, analyze, and manage large health related data files using SPSS and SAS
- Generate analysis protocol, codebook, and maintain statistical syntax for data management and analysis
- Maintain and analyze data from over 10,000 participants
- Outcome evaluation and website maintenance for Tennessee T.A.L.K.S.
- Analyze data using complex sample analysis, logistic regression, and contingency tables
- Manage all aspects of online course material for Health Psychology and Psychopharmacology courses

Project Manager

School of Public Health, **Texas A&M University, College Station**
Supervisor: Marcia Ory, PhD., August 2014 – December 2015

- Project and data manager for Administration for Community Living Falls Reduction Education and Empowerment Grant (FREE); \$900K NIH grant; Co-PI: Marcia Ory

- Maintain relationships with community and organization leaders from seven urban/metro areas across Texas
- Generate data collection protocol and host web-based training for data collection procedures including state and federal health information privacy laws
- Maintain and analyze data from over 4,000 participants and generate monthly and quarterly grant reports
- Outcome evaluation and report writing for \$5M 1115 Medicaid Waiver project assessing community-based lay-led disease self-management programs; PI: Marcia Ory

Program Evaluator

Tennessee Train the Trainer Cadre, **Middle Tennessee State University**

Coordinator: Gloria Hamilton, PhD., June 2012 – February 2014

- Tennessee Department of Education and Centers for Disease Control and Prevention grant funded project
- Analyzed data relevant to HIV/STI and teen pregnancy prevention education in the state of Tennessee
- Cleaned and prepared data from >15,000 participants according to CDC standards

Research Analyst

Department of Institution Effectiveness Planning and Research, **Middle Tennessee State University**

Supervisor: Jeffery Hoyt, PhD., September 2013 - June 2014

- *Development of a Predictive Model of Transfer Student Retention at a Large Southeastern University*
 - Use current literature on student retention to develop a model appropriate for transfer students
 - Create survey measuring transfer student retention and university policies related transfer
 - Produce report for University President and presentation of transfer student retention model
- Additional duties
 - Analyze data from large institutional sample (>4,000)
 - Use SPSS syntax, conduct Chi-Square, Logistic Regression, Factor Analysis, and effect size measures
 - Create reports of complex statistical concepts for use by a non-statistical audience
 - Generate new surveys for institutional use based on current literature
 - Generate new models and methods of assessing student retention