

Manshu Yang

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EDUCATION

Ph.D., Quantitative Psychology, University of Notre Dame, Notre Dame, IN, 2010
Advisor: Dr. Scott E. Maxwell

M.A., Quantitative Psychology, University of Notre Dame, Notre Dame, IN, 2009
Advisor: Dr. Sy-Miin Chow

B.S., Psychology, Peking University, Beijing, China, 2005

EMPLOYMENT HISTORY

2019-Present Assistant Professor, Department of Psychology, University of Rhode Island, Kingston, RI
2015-2019 Senior Research Scientist, American Institutes for Research, Chapel Hill, NC
2010–2015 Research Scientist, American Institutes for Research, Chapel Hill, NC
2010–2010 Statistical Consultant, University of Notre Dame, Notre Dame, IN
2009–2009 Psychometrician Intern, CTB/McGraw-Hill, Monterey, CA
2006–2009 Research Assistant, University of Notre Dame, Notre Dame, IN
2005–2009 Teaching Assistant, University of Notre Dame, Notre Dame, IN

PUBLICATIONS

Journal Articles (43 Total)

(Citations: 798; h-index: 12; i10-index: 14)

**Indicates a co-author who was a graduate student when the research was initiated*

Yang, M. & Gaskin, D. J. (In Press). Handling missing data in partially clustered randomized controlled trials. *Psychological Methods*.

Shuster, C. L.*, Tate, M. C.*, Schulz, C. T.*, Reyes, C. T.*, Drohan, M. M.*, Astorini, A. G.*, Stamates, A. L., **Yang, M.**, Robbins, M. L. (Accepted). Perceived Stress and Coping among University Students Amidst COVID-19 Pandemic. *COVID*.

Reyes, C.*, Cao, W.*, Astorini, A.*, Drohan, M.*, Schulz, C.*, Shuster, C.*, Robbins, M., **Yang, M.**, Stamates, A. (2023) Using the theory of planned behavior to assess willingness and attitudes towards COVID-19 vaccination among a predominantly white U.S. college sample. *Health Psychology and Behavioral Medicine*, 11(1), 2248236. doi: 10.1080/21642850.2023.2248236

Zare, H., Ibe, C. A., **Yang, M.**, Porter, G., Gaston, M., Jones, N., Jones, W., Rose, V.,

- Balamini, M., Woods, D., Gaskin, D., (2023). Evaluating the Impact of the Prime Time Sister Circles® Intervention on Reducing Depressive Symptoms among African American Women with Uncontrolled Hypertension. *Journal of General Internal Medicine*. Published online July 27, 2023. doi: 10.1007/s11606-023-08288-z.
- Weiss, N.H., Goncharenko, S.*, Forkus, S. R.*, Ferguson, J. J., & **Yang, M.** (2023). Longitudinal investigation of bidirectional relations between childhood trauma and emotion-driven impulsivity in the ABCD Study. *Journal of Adolescent Health*. Published online July 03, 2023. doi: 10.1016/j.jadohealth.2023.05.027.
- Dash, G. F., Bryan, A. D., **Yang, M.**, Chung, T., Hudson, K. A., & Feldstein Ewing, S. W. (2023). Adolescent:provider connectedness and STI risk reduction following a brief alcohol intervention: Findings from a randomized controlled trial. *Frontiers in Psychology*, 14, 1171264. doi: 10.3389/fpsyg.2023.1171264.
- Charvis, J. S.*, Schulz, C.T.*, Drohan, M. M.*, Rafiee, P.*, Stamates, A., & **Yang, M.** (2023). A Daily Examination of Perceived Stress and Coping Strategies Used Among College Students During COVID-19. *Journal of American College Health*, 26, 1-5.
- Fenn, N.*, **Yang, M.**, Pearson-Merkowitz, S., Robbins, M. (2023) Civic engagement and well-being among non-college young adults: Investigating a mediation model. *Journal of Community Psychology*, 51(7), 2667-2685.
- Dash, G., Chung, T., **Yang, M.**, Bryan, A., Hudson, K., Feldstein Ewing, S. (2023). Examining the influence of adolescent:provider alliance on youth hazardous drinking: Findings from a randomized controlled trial. *Addictive Behaviors*. Published online September 21, 2022. doi:10.1016/j.addbeh.2022.107499.
- Stamates, A. L., **Yang, M.**, Lau-Barraco, C. (2023). Validation of the Brief Young Adult Alcohol Consequences Questionnaire Among Nonstudent Young Adults. *Experimental and Clinical Psychopharmacology*, 31(3), 643-651. doi:10.1037/pha0000615.
- Schulz, C.T. *, Drohan, M.M.*, Astorini, A.G.*, Reyes, C.T.*, **Yang, M.**, Stamates, A.L., Robbins, M.L. (2022). Normative Perceptions and Compliance to COVID-19 Preventative Health Behaviors among University Students: A Brief Report. *The Social Science Journal*. Published online December 09, 2022. doi: 10.1080/03623319.2022.2140918.
- Hong, M., Melanie, T., **Yang, M.**, & Bailey, J. (2022). Effects of a digital musculoskeletal acute care program on chronic pain prevention: an observational study with nonparticipant comparison group. *Journal of Pain Research*, 15, 3605–3613.
- Fried, T. R., **Yang, M.**, Paiva, A. L., Martino, S., Iannone, L., Zenoni, M., Blakley, L., O’Leary, J. R., Redding, C.A. (2022). The effect of computer-tailored print feedback, motivational interviewing, and motivational enhancement therapy on engagement in advance care planning. *JAMA Internal Medicine*, 182(12), 1298-1305. doi:10.1001/jamainternmed.2022.5074
- Raudales, A. M.*, **Yang, M.**, Schatten, H. T., Armeiy, M. F., & Weiss, N. H. (2022). Daily reciprocal relations between emotion dysregulation and non-suicidal self-injury among individuals with a history of sexual assault: The influence of posttraumatic stress symptoms. *Suicide and Life-Threatening Behavior*, 00, 1-13.

- Hong, M., Loeb, J., **Yang, M.**, & Bailey, J. (2022). Postoperative outcomes of digital program rehabilitation after total knee arthroplasty: a retrospective, observational feasibility study. *JMIR Formative Research*, 6(9), e40703.
- Raudales, A. M.*, **Yang, M.**, Forkus, S. R.*, Kiefer, R.*, & Weiss, N. H. (2022) Daily reciprocal relations between negative and positive emotion dysregulation and posttraumatic stress symptoms among individuals with a history of sexual assault. *Psychiatry Research*, 315, e114724.
- Yang, M.**, Keller, S., Lin, J. S. (2022). Assessing Sleep and Pain among Adults with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome: Psychometric Evaluation of the PROMIS® Sleep and Pain Short Forms. *Quality of Life Research*, 1-17.
- Wang, G., **Yang, M.**, Hong, M., Krauss, J., & Bailey, J. (2022). Clinical outcomes after a digital musculoskeletal (MSK) program for acute and subacute pain: an observational, longitudinal study with comparison group. *JMIR rehabilitation and assistive technologies*, 9(2), e38214.
- Feldstein Ewing, S. W., Karalunas, S. L., Kenyon, E. A.*, **Yang, M.**, Hudson, K. A., Filbey, F. M. (2022). Intersection between social inequality and emotion regulation on emerging adult cannabis use. *Drug and Alcohol Dependence*, 2, e100050.
- Wang, G., **Yang, M.**, Hong, M., Krauss, J., & Bailey, J. (2022). Clinical outcomes one year after a digital musculoskeletal (MSK) program: an observational, longitudinal study with nonparticipant comparison group. *BMC Musculoskeletal Disorders*, 23, e237.
- Wang, G., Bailey, J.F., **Yang, M.**, & Krauss, J. (2021). Older Adult Engagement in a Digital Musculoskeletal (MSK) Program. *Frontiers in Digital Health*, 3, e95.
- Lopez-Vergara, H., **Yang, M.**, Weiss, N.H., Stamates, A.L., Spillane, N.S., Feldstein Ewing, S.W. (2021). The Cultural Equivalence of Measurement in Substance Use Research. *Experimental and Clinical Psychopharmacology*, 29(5), 456–465.
- Ibe, C., Gilmore, D., Creighton, C., Cao, Y., Gabriel, A., Zare, H., Jones, W., **Yang, M.**, Balamani, M., Gaston, M., Porter, G., Woods, D. L., Gaskin, D. J. (2021). Evaluating the Prime Time Sister Circles Program’s Impact on HTN among Low Income MidLife African American Women – Study Design Considerations. *BMC Public Health*, 21, e610.
- Gabriel, A., Zare, H., Jones, W., **Yang, M.**, Ibe, C., Cao, Y., Balamani, M., Gaston, M., Porter, G., Woods, D. L., Gaskin, D. J. (2021). Evaluating depressive symptoms among low-socioeconomic-status African American women aged 40 to 75 years with uncontrolled hypertension: A secondary analysis of a randomized clinical trial. *JAMA Psychiatry*, 78(4), 426-432.
- Cronin, R. M., **Yang, M.**, Hankins, J. S., Byrd, J., Pernell, B. M., Kassim, A., Adams-Graves, P., Thompson, A., Kalinyak, K. , DeBaun, M., Treadwell, M. (2020). Association between hospital admissions and healthcare provider communication for individuals with sickle cell disease. *Hematology*, 25(1), 229-240.
- Yang, M.**, Keller, S., Lin, J. S. (2019). Psychometric properties of the PROMIS fatigue short form in patients with Myalgic Encephalomyelitis /Chronic Fatigue Syndrome. *Quality of Life Research*, 28(12), 3375-3384

- Richmond, J., Mangrum R., Wang G., Maurer M., Sofaer S., **Yang, M.**, Carman K. (2019). An informed public's views on reducing antibiotic overuse. *Health Services Research*, 54(6), 1283-1294.
- Maurer, M., Carman, K. L., **Yang, M.**, Firminger, K., Hibbard, J. (2019). Increasing the use of comparative quality information in maternity care: Results from a randomized controlled trial. *Medical Care Research and Review*, 76(2), 208-228.
- Keller, S., **Yang, M.**, Treadwell, M. J., Hassell, K. L. (2017). Sensitivity of alternative measures of functioning and wellbeing for adults with sickle cell disease: Comparison of PROMIS to ASCQ-Me. *Health and Quality of Life Outcomes*, 15(1), 117.
- Sivendran, S., Jenkins, S., Svetec, S., Horst, M., Newport, K., Yost, K. J., & **Yang, M.** (2017). Illness understanding of oncology patients in a community-based cancer institute. *Journal of oncology practice*, 13(9), e800-e808.
- Richmond, J., Powell, W., Maurer, M., Mangrum, R., Gold, M. R., Pathak-Sen, E., **Yang, M.**, & Carman, K. L. (2017). Public mistrust of the US health care system's profit motives: mixed-methods results from a randomized controlled trial. *Journal of General Internal Medicine*, 32(12), 1396-1402.
- Carman, K. L., Maurer, M., Mangrum, R., **Yang, M.**, Ginsburg, M., Sofaer, S., ... & Siegel, J. (2016). Understanding an informed public's views on the role of evidence in making health care decisions. *Health Affairs*, 35(4), 566-574.
- Keller, S. D., & **Yang, M.** (2015). Disease-specific calibrations or disease-specific content: which is responsible for the enhanced sensitivity of condition-specific measures compared to generic measures? *Quality of Life Research*, 24, 76-77.
- Wang, G., Gold, M., Sofaer, S., **Yang, M.**, Carman, K. (2015). Deliberation: obtaining informed input from a diverse public. *Journal of Health Care for the Poor and Underserved*, 26(1): 223-242.
- Carman, K.L., Mallery, C., Maurer, M., Wang, G., Garfinkel, S., **Yang, M.**, et al (2015). Effectiveness of public deliberation methods for gathering input on issues in healthcare: Results from a randomized trial. *Social Science and Medicine*, 133:11-20.
- Yang, M.** & Maxwell, S.E. (2014). Treatment effects in randomized longitudinal trials with different types of nonignorable dropout. *Psychological Methods*, 19(2), 188-210.
- Yang, M.**, Wang, L., & Maxwell, S. E. (2014). Bias in longitudinal data analysis with missing data using typical linear mixed-effects modelling and pattern-mixture approach: An analytical illustration. *British Journal of Mathematical and Statistical Psychology*, 68(2), 246-267.
- Keller, S., **Yang, M.**, Treadwell, M. J., Werner, E. M., & Hassell, K. L. (2014). Patient reports of health outcome for adults living with sickle cell disease: development and testing of the ASCQ-Me item banks. *Health and quality of life outcomes*, 12(1), 1-11.
- Hurtado, M., Spinner, J.R., **Yang, M.**, Evensen, C., Windham, A., Ortiz, G., Tracy, R., Ivy, E. D. (2014). Knowledge and Behavioral Effects in Cardiovascular Health: Community Health Worker Health Disparities Initiative, 2007–2010. *Preventing Chronic Disease*, 11, 130250.

Kahvecioglu, D., Ramiah, K., McMaughan, D., Garfinkel, S., McSorley, V. E., Nguyen, Q. N., **Yang, M.**, Pugliese, C., Mehr, D.R., & Phillips, C. D. (2014). Multidrug-resistant organism infections in US nursing homes: a national study of prevalence, onset, and transmission across care settings, October 1, 2010– December 31, 2011. *Infection Control and Hospital Epidemiology*, 35(S3), S48-S55.

Yang, M. and Chow, S. -M. (2010) Using state-space model with regime switching to represent the dynamics of facial electromyography (EMG) data, *Psychometrika*, 75(4), 744-771.

Yang, M., Maxwell, S. E. (2009). Abstract: Treatment effects in randomized longitudinal experiments with different types of non-ignorable dropout. *Multivariate Behavioral Research*, 44, 856.

Gan, Y., **Yang, M.**, Zhou, Y., & Zhang, Y. (2007). The two-factor structure of future-oriented coping and its mediating role in student engagement. *Personality and Individual Differences*, 43(4), 851-863.

Manuscripts Under Review

**Indicates a co-author who was a graduate student when the research was initiated*

Yang, M., Schick, M. R.*, & Sullivan, T. P., & Weiss, N. H. (Revised and Resubmitted). Predicting completion of ecological momentary assessments among substance-using women experiencing intimate partner violence. *Assessment*.

Fenn, N.*, AlSanea, A., McClean, E., Pearson-Merkowitz, S., **Yang, M.**, & Robbins, M. (Under Review). A qualitative investigation of civic engagement and well-being among non-college-bound young adults. *Analyses of Social Issues and Public Policy*.

Mikhalyuk, I.*, Stein, L.A.R., **Yang, M.**, Lamoureux, B., Achin, D., van den Berg, J. J. (Revised and Resubmitted). Validity of the Diagnostic and Statistical Manual of Mental Disorders-5 Cross-Cutting Symptom Measure as Implemented in Community Mental Health Settings. *Journal of Affective Disorders*.

Thomas, E. D.*, **Yang, M.**, Contractor, A. A & Weiss, N. H. (Under Review). Examining the Proximal Relationship between Religious Coping and Depression among Trauma-Exposed Adults. *Journal of Religion and Health*.

Srinagesh, A.*, Bassett, S. S., **Yang, M.**, Martin, R. A., Rohsenow, D. J., Kahler, C. W., Monti, P. M., Hurlbut, W., & Stein, L. A. R. (Under Review). Validation of the Group Process Assessment for Youth who Misuse Substances: Group Level Coding. *International Journal of Child, Youth and Family Studies*.

Gaskin, D., Zare, H., Ibe, C., **Yang, M.**, Jones, W., Gaston, M., Porter, G., Woods, D., Balamini, M., Jones, N., Rose, V., Williams, R. A., and Rohde, C. (Under Review). The Impact of the Prime Time Sister Circle (PTSC) on Blood Pressure of Low Income Mid Life African American Women. *Journal of Public Health Policy*.

User Manuals

Windham A.M., Keller S., Yost K.J., **Yang M.**, Cowans T.O., Frentzel E.M., Mitchell D.N. (2015). *The Consumer-Based Cancer Care Value Index (CCCVI) User Manual*. Washington, DC: National Patient Advocate Foundation.

Keller, S. D., Evensen, C., **Yang, M.**, Hauser, A. & Owens, T. (2010). *Adult sickle cell quality of life measurement information system user's manual and interpretation guide*. Bethesda, MD: U.S. Department of Health and Human Services, National Institutes of Health, National Heart, Lung, and Blood Institute.

Technical Reports

Carman K.L., Maurer M., Mallery C., Wang G., Garfinkel S., Richmond J., Gilmore D., Windham A., **Yang M.**, et al (2013). Community Forum Deliberative Methods Demonstration: Evaluating Effectiveness and Eliciting Public Views on Use of Evidence. Executive Summary. (Prepared by the American Institutes for Research Under Contract No. 290-2010-00005.) AHRQ Publication No.14-EHC007-1-EF. Rockville, MD: Agency for Healthcare Research and Quality.
www.effectivehealthcare.ahrq.gov/reports/final.cfm.

Windham A, Keller S, Yost K, **Yang M.**, Mitchell D., Jenkins S., Lackore K., Cowans T, Frentzel E. (2015). The Consumer-Based Cancer Care Value Index (CCCVI) Final Report. Report prepared for the National Patient Advocacy Foundation. Washington, DC: American Institutes for Research.

RESEARCH SUPPORT

Grants

Funded and Active

Principal Investigator. *Improving Methods for Dealing with Missing Data in Drug Use and Addiction Research: The Use of Later-Retrieval in Ecological Momentary Assessment*. Sponsor: National Institutes of Health. K01DA058715. \$800,633. 06/15/2023 - 05/31/2028.

Co-Investigator. *Do peers enhance or detract progress in group MI? A look into emerging adult brain and behavior*. Sponsor: National Institutes of Health. R01AA030678. \$2,737,888. 09/20/2023-08/31/2028. PI: Sarah W. Feldstein Ewing.

Co-Investigator. *Development of a Culturally Grounded, Trauma-Informed Alcohol Intervention with a Reserve-Dwelling First Nation Group*. Sponsor: National Institutes of Health. R34AA028587. \$631,800. 2021-2024. PI: Nichea Spillane & Nicole Weiss.

Co-Investigator. *Developing a Positive Approach to Substance Use Prevention in North American Indian Adolescents*. Sponsor: National Institutes of Health. R34AA027619. \$631,459. 2020-2023. PI: Nichea Spillane.

Consultant. *Race and sex as moderators of harm reduction pharmacobehavioral treatment outcomes for alcohol use disorder among people experiencing homelessness*. Sponsor: National Institutes of Health. F31AA029274. PI: Silvi Goldstein.

Consultant. *The impact of shame on clinical outcomes among sexual violence survivors who use opioids*. Sponsor and Type: Robert E. Leet and Clara Guthrie Patterson Trust Mentored Research Award. \$200,000. 2023-2025. PI: Prachi Bhuptani.

Consultant. *Opioid Use and Acute Suicide Risk: The Real-Time Influence of Trauma Context*. Sponsor: National Institutes of Health. F31DA058324. \$84,606. PI: Alexa Raudales.

Consultant. *Micro-Longitudinal Examination of the Association between Depression and Alcohol Misuse among Black Adults: Proximal Risk and Protective Factors*. Sponsor: National Institutes of Health. F31AA030502. \$95,388. PI: Emmanuel Thomas.

Consultant. *Assessing State Emotions and Acute Alcohol Intoxication on Sexual Assault Risk Perception.* Sponsor: National Institutes of Health. F31AA031164. \$95,388. PI: Reina Kiefer.

Pending

Co-Investigator. *Linkages between HIV/STI prevention and syndemic behaviors in high risk youth: Common factors and unique pathways.* Sponsor: National Institutes of Health. R01. \$3,100,781. MPIs: Sarah Feldstein Ewing and Tammy Chung.

Co-Investigator. *The role of social inequality stress on the neural mechanisms of emotion regulation and substance use.* Sponsor: National Institutes of Health. R01. \$3,872,640. MPIs: Sarah Feldstein Ewing, Francesca M. Filbey, and Sarah Karalunas.

Consultant. *Adolescent alcohol and cannabis transitions: Associations with multidimensional SES and cannabis policy.* Sponsor: National Institutes of Health. F31. \$136,043. PI: Emily Kenyon.

Consultant. *Treatment Utilization During Community Reentry of Opioid Use Disorder Inpatients.* Sponsor: National Institutes of Health. F31. \$130,992. PI: Noam Newberger.

Consultant. *The Relationship Between Historical Trauma, Substance Use, and Suicidal Ideation in Native Hawaiian/Pacific Islander Adults: A Mixed-Methods Approach.* Sponsor: National Institutes of Health. F31. \$130,992. PI: Alana Egan.

Consultant. *Happiness and Pleasurable Activities as Longitudinal Predictors of Adolescent Alcohol and Cannabis Outcomes.* F31. \$136,043. PI: Catherine Trinh.

Funded and Completed

Co-Investigator. *National Person-Centered Assessment Resource.* Sponsor: National Institutes of Health. U2CCA186878. \$321,018. 2014-2018. PI: David Cella. AIR Subaward PI: San D. Keller.

Co-Investigator. *Patient-Reported Outcomes Measurement Information System (PROMIS®) Network Center.* Sponsor: National Institutes of Health. 5U54AR057926-02. \$3,495,000. 2009-2016. PIPD: San D. Keller.

Co-Investigator. *Assessing the Effects of an Intervention to Increase Relevancy and Use of Public Reported Hospital Quality Information.* Sponsor: Agency for Healthcare Research and Quality. R21HS21873. \$899,559. 2012-2014. PI: Kristin Carman.

Statistical Analyst. *PTSC: Improving Hypertension Control among Poor Midlife African American Women.* Sponsor: National Institutes of Health. R01MD010462. \$2.5 Million. 2016-2023. PI: Darrell J. Gaskin.

Unfunded

Co-Investigator. *Advancing health equity among underrepresented youth: The intersection between HIV/STIs and substance use.* Sponsor: National Institutes of Health. R01. \$3,104,159. MPIs: Sarah Feldstein Ewing and Tammy Chung.

Co-Investigator. *Longitudinal development of emotion regulation and cannabis use in emerging adults and their intersection with subjective and objective measures of social*

inequality. Sponsor: National Institutes of Health. R01. \$ 1,010,711. MPIs: Sarah W. Feldstein Ewing, Francesca M. Filbey, Sarah Karalunas.

Co-Investigator. *Exploring ADAPT: An intervention program addressing the intersection of social connectedness, loneliness, and polysubstance use in young people*. Sponsor: National Institutes of Health. R34. \$695,250. PI: Sarah W. Feldstein Ewing.

Co-Investigator. *Interaction of Diet and Exercise in Alzheimer's disease - Late-onset (IDEAL) study*. Sponsor: National Institutes of Health. R01. \$3,462,345. PI: William E. Van Nostrand.

Co-Investigator. *Examining what works and for whom: The promise of the adolescent-provider partnership in adolescent alcohol prevention intervention response*. Sponsor: National Institutes of Health. R01. \$3,329,119. PI: Sarah Feldstein Ewing & Tammy Chung.

Co-Investigator. *The COVID pandemic as a natural emotion regulation challenge to examine the risks for emerging adult addiction*. Sponsor: National Institutes of Health. R01. \$3,853,940. PI: Sarah Feldstein Ewing.

Co-Investigator. *The Practice of Science - A Curriculum Transformation Project to Engage Students in More Authentic Science Experiences*. Sponsor: National Institutes of Health. R01. \$1,813,197. PI: Bryan Dewsbury.

Principal Investigator. *Developing an IRT-Based Measure of Perceived Fatigability for Older Adults*. Sponsor: National Institute of Health. R21. \$400,000.

Research Contracts

Quantitative Analysis Lead. *NYC Health Access*. Sponsor: Mayor's Fund to Advance NYC. AGMT-DTD-120115. \$1.3 Million. 2015-2018. PI/PD: Shoshanna Sofaer. Funded and Completed.

Task Lead and Senior Analyst. *Development of Health Insurance Marketplace and Qualified Health Plan Enrollee Experience Surveys*. Sponsor: Center for Medicare & Medicaid Services. GS-10-F0112J. \$28,390,538. 2012-2017. PI/PD: Steven A. Garfinkel. Funded and Completed.

Task Lead. *Monitoring and Evaluation of the Strong Start II Demonstration Program*. Sponsor: Center for Medicare & Medicaid Services. HHSM-500-2010-00024I. \$2,530,658. 2013-2017. AIR Subcontract PI/PD: Kathryn A. Paez. Funded and Completed.

Deputy Project Director. *Development of the Consumer-Based Cancer Care Value Index Survey*. Sponsor: National Patient Advocate Foundation. AGMT DTD 102512. \$1,169,604. 2012-2015. PI/PD: Amy Windham. Funded and Completed.

Quantitative Analysis Lead. *AHRQ Community Forum*. Sponsor: Agency for Healthcare Research and Quality. HHS290201000005C. \$9,999,742. 2010-2013. PI/PD: Marilyn L. Moon. Funded and Completed.

Quantitative Analyst. *Community Health Workers Initiative Program Evaluation*. Sponsor: National Heart, Lung, and Blood Institute. NHLBI-PB(HL)-2010-283/MKI. \$909,038. 2010-2012. PI/PD: Margarita Hurtado. Funded and Completed.

Psychometric Analysis Lead. *Sickle Cell Disease Patient Quality of Life Assessment*. Sponsor: National Heart, Lung, and Blood Institute. NHLBI-PS-2005-058/MGC-ASCQ-Me.

\$2,035,854. 2005-2011. PI/PD: San D. Keller. Funded and Completed.

INVITED TALKS AND ACADEMIC PRESENTATIONS

**Indicates a co-author who was a graduate student when the research was initiated*

*Pauley, E.M. & **Yang, M.** (2023, October). Handling Missing Data in Randomized Controlled Trials with Omitted Moderation Effects. Poster to be presented at the 2023 Annual Society of Multivariate Experimental Psychology Graduate Student Conference, Iowa City, IA.

Yang, M. (2023, July). Handling Missing Data in Ecological Momentary Assessments via Later Retrieval. Oral presentation at the International Meeting of Psychometric Society, College Park, MD.

Yang, M. (2023, June). Estimating Treatment Effects in Partially Clustered Randomized Controlled Trials with Missing Data: Challenges and Solutions. Oral presentation at the Annual Modern Modeling Methods Conference, Storrs, CT.

*Pauley, E.M. & **Yang, M.** (2023, June). An Evaluation of Methods for Handling Missing Data in Randomized Controlled Trials with Omitted Moderation Effects. Poster presentation at the Annual Modern Modeling Methods Conference, Storrs, CT.

*Rafiee, P., *Rothstein, M.C., *Pauley, E.M., Stamates, A.L., & **Yang, M.** (2023, June). Daily Associations of Emotion and Fatigue in College Students during the Early Stages of the COVID-19 Pandemic: An Application of Dynamic Structural Equation Modeling. Oral presentation at the Annual Modern Modeling Methods Conference, Storrs, CT.

*Goldstein, S. C., Collins, E. S., **Yang, M.**, Feldstein Ewing, S. W., & Weiss, N. H. (2023, March). Developments in measurement invariance across marginalized racial and ethnic groups in commonly utilized alcohol-related harm measures. In F. Schwabel (Chair), *Advancing Measurement of Harm Reduction and Moderation Substance use Goals and Outcomes*. Symposium to be presented at the 11th Annual Collaborative Perspectives on Addiction, Albuquerque, NM.

Topete, M., Hong, M., **Yang, M.**, & Bailey, J. (2023, February). Effects of a digital musculoskeletal acute care program on chronic pain prevention: An observational study. Presentation at the 2023 APTA Combined Sections Meeting (CSM), San Diego, CA.

*Pauley, E., *Rafiee, P., *Rothstein, M.C., **Yang, M.** & Stamates, A.L. (2022, October). Drinking motives and alcohol use behaviors during the early stages of the COVID-19 pandemic. Poster presentation at the 2022 New England Psychological Association Annual Meeting.

Yang, M. (2022, June). Using Later-Retrieval to Handle Missing Data in Ecological Momentary Assessments. Oral presentation at the 2022 Meeting of the International Society for Data Science and Analytics, Notre Dame, IN.

*Raudales, A. M., **Yang, M.**, *Forkus, S. R., *Kiefer, R., & Weiss, N. H. (2022, November). Dynamic micro-longitudinal approach to assessing reciprocal relations between negative and positive emotion dysregulation and PTSD among sexual assault

survivors. In K. Dillon (Chair), *Leveraging Ecological Momentary Assessment to Examine Interrelationships between Risk Factors Following Trauma*. Symposium to be presented at the 38th annual convention for the International Society for Traumatic Stress Studies (ISTSS), Atlanta, GA.

- *Raudales, A. M., **Yang, M.**, *Forkus, S. R., *Kiefer, R., & Weiss, N. H. (2022, November). The impact of negative and positive emotion dysregulation on next-day posttraumatic stress symptoms among sexual assault survivors. Poster to be presented at the 56th Annual Convention for the Association for Behavioral and Cognitive Therapies, New York, NY.
- *Raudales, A. M., **Yang, M.**, Schatten, H. T., Armev, M. F., & Weiss, N. H. (2022, November). Dynamic micro-longitudinal approach to assessing reciprocal relations between emotion dysregulation and NSSI and the influence of PTSD among sexual assault survivors. In N. H. Weiss and A. M. Raudales (Chairs), *Novel daily methodologies to understand the syndemics of suicide and nonsuicidal self-harm among high-risk and marginalized populations*. Symposium to be presented at the 56th Annual Convention for the Association for Behavioral and Cognitive Therapies, New York, NY.
- *Kenyon, E.A., **Yang, M.**, Feldstein Ewing, S.W. (2022, April). A Longitudinal Analysis of Adolescent Cannabis Use and Related Peer Factors Over 12 Months. Poster presented at the Collaborative Perspectives on Addiction (APA Division 50) Annual Meeting, Portland, OR.
- *Reyes, C., *Shulz, C., *Cao, W., Robbins, M., **Yang, M.**, Stamates, A. (2022, April 6-9). Willingness and attitudes towards COVID-19 vaccinations among university students. Poster presentation at the 43rd Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine.
- *Charvis, J. S., *Schulz, C. T., *Drohan, M. M., Stamates, A. L., **Yang, M.** (2021) *A Daily Examination of Coping Strategies Used During Covid-19 and Feelings of Stress and Overwhelm*. Presentation at the 2021 New England Psychological Association Annual Meeting.
- *Schulz, C. T., *Charvis, J. S., *Drohan, M. M., Stamates, A. L., **Yang, M.** (2021) *Daily Associations between Sources of Stress and Alcohol Use among University Students during COVID-19 Pandemic*. Presentation at the 2021 New England Psychological Association Annual Meeting.
- *Shuster, C. L., *Tate, M. C., *Schulz, C. T., *Reyes, C. T., *Drohan, M. M., *Astorini, A. G., Stamates, A. L., Robbins, M. L., & **Yang, M.** (2021). *Perceived stress and coping among university students amidst COVID-19 pandemic*. Virtual poster presented at annual Society for the Study of Emerging Adulthood conference.
- *Schulz, C. T., *Drohan, M. R., *Astorini, A. G., *Reyes, C. T., **Yang, M.**, Stamates, A. L., Robbins, M. L. (2021). *Normative perceptions and compliance to COVID-19 preventive health behaviors among university students*. Poster presentation at the 10th Annual Conference on Emerging Adulthood
- Zare, H., Gaskin, D., Ibe, C., **Yang, M.**, Jones, W., Jones, N., Roane, F., Gaston, M., Porter, G., Woods, D. L. (2021). *Monitoring and controlling depression symptom in African American women ages 40-75 with hypertension and low socioeconomic status*. Oral

presentation at the Virtual APHA 2021 Annual Meeting.

- Yang, M.** (2021). *Missing data issues in longitudinal studies and big data research*. Invited talk at the Virtual Forum on Data Science and Methodology.
- Yang, M.** (2021). *Handling missing data in partially nested randomized control trials*. Oral presentation at the International Meeting of Psychometric Society (IMPS) 2021 Virtual Meeting.
- Dash, G. F. Chung, T., **Yang, M.**, Bryan, A.D., Hudson, K. A., & Feldstein Ewing, S. W. (2021). *Impact of adolescent:provider connectedness on problem drinking outcomes following brief behavioral interventions*. Poster presented at the RSA/ISBRA-2021 VIRTUAL Scientific Meeting.
- Gaskin, D., Zare, H., Jones, W., **Yang, M.**, Balamini, M., Cao, Y., Gabriel, A., Gaston, M., Ibe, C., Porter, G., Woods, D. (2020). *The impact of prime time sister circles on hypertension, BMI and waist circumference among low income mid-life African American women*. Presented at the Virtual APHA 2020 Annual Meeting.
- Gaskin, D., Zare, H., Jones, W., **Yang, M.**, Balamini, M., Cao, Y., Gabriel, A., Gaston, M., Ibe, C., Porter, G., Woods, D. (2020). *The Impact of Prime Time Sister Circles on Health Knowledge and Stress Management among Low-Income African American Women with Hypertension*. Presented at the Virtual APHA 2020 Annual Meeting.
- Gaskin, D., Zare, H., Jones, W., **Yang, M.**, Balamini, M., Cao, Y., Gabriel, A., Gaston, M., Ibe, C., Porter, G., Woods, D. (2020). *Perceptions from Low-Income Mid-Life African American Women on the Prime Time Sister Circles (PTSC) Intervention*. Presented at the Virtual APHA 2020 Annual Meeting.
- Yang, M.**, Lucado, J., Paez, K., Castillo, G., Benatar, S., Johnston, E., Cross-Barnet, C. (2019, June). *Integrating Enhanced Services Into Prenatal Care: Evidence from Maternity Care Homes in the Strong Start For Mothers and Newborns Initiative*. Poster presented at the AcademyHealth 2019 Annual Research Meeting, Washington, DC.
- Keller, S., **Yang, M.**, Yost, K. J. (2017, March). *Examining measurement properties of the consumer-based cancer care value index (CCCVI) survey: A measure to identify quality improvement priorities in cancer care*. Poster presented at the American Society of Clinical Oncology (ASCO) Quality Care Symposium, Orlando, FL.
- Yang, M.**, Keller, S. (2016, September). *Using Bifactor Models and Statistical Indices to Evaluate Essential Unidimensionality in Developing Survey Instrument for Patient-Reported Outcomes*. Presented at the International Conference on Advances in Interdisciplinary Statistics and Combinatorics (AISC 2016), Greensboro, NC.
- Heil, S.K.R., Keller, S., Genevro, J., Hilliard, T., Brinkley, J., Pugliese, C., **Yang, M.** (2016, July). *Understanding Patient Experiences of Care Coordination in Primary Care: Development and Testing of a Comprehensive Care Coordination Measure*. Presented at the North American Primary Care Research Group's Practice Based Research Group Conference, Bethesda, MD.
- Keller, S., **Yang, M.** (2015, September,). *Disease-Specific Calibrations or Disease-Specific Content: Which is Responsible for the Enhanced Sensitivity of Condition-Specific*

Compared to Generic Measures. Poster presented at the ISOQOL 2016 Annual Conference, Vancouver, BC, Canada

Yost, K., Windham, A., Frost, M., Jenkins, S., Lackore, K., **Yang, M.**, Keller, S. (2015, September,). *Misalignment between cancer patients' values and their care experiences and assessing the impact of misalignment on overall cancer care quality.* Presentation at the Delivery Science Summit, Mayo Clinic, Rochester, MN.

Yang, M., Keller, S., Yost, K.J., Windham, A. (2015, June) *Comparing Methods for Measuring Patient Priorities in Cancer Care.* Presented at the AcademyHealth 2015 Annual Research Meeting, Minneapolis, Minnesota.

Windham, A., Yost, K.J., **Yang, M.**, Keller, S., Mitchell D.N., Frentzel E., Cowans T. (2015, June) *The Consumer-Based Cancer Care Value Index (CCCVI): a New Measure of What Patients Value in Their Cancer Care.* Poster presented at the AcademyHealth 2015 Annual Research Meeting, Minneapolis, Minnesota.

Yang, M. & Keller, S. (2012, July) *Development of an "R"-Based Computerized Adaptive Assessment of Health Based on Patient Reports.* Poster presented at the American Psychological Association Annual Convention, Orlando, Florida.

Yang, M. & Maxwell, S. E. (2009, October) *Treatment effect in randomized longitudinal experiment with different types of non-ignorable dropout.* Presented at the Annual Society of Multivariate Experimental Psychology (SMEP) Graduate Student Pre-conference, Gleneden Beach, Oregon.

Yang, M. & Chow, S. (2008, June) *Using regime-switching models in electromyography (EMG) data for emotion regulation.* Presented at the annual meeting of the Psychometric Society (IMPS), Durham, NH.

Yang, M. (2008, October) *Treatment effect in randomized longitudinal experiment with different missing data pattern across groups.* Presented at the Quantitative Study Group Seminar, Department of Psychology, University of Notre Dame.

Yang, M. (2008, February) *Regime-switching models with time-varying transition probability.* Presented at the Quantitative Study Group Seminar, Department of Psychology, University of Notre Dame.

TEACHING

Undergraduate Teaching

PSY 200: Quantitative Methods in Psychology, University of Rhode Island. Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022, Fall 2022.

PSY 434: Psychological Testing, University of Rhode Island. Fall 2020, Fall 2021, Fall 2022, Spring 2023, Fall 2023.

Graduate Teaching

PSY 690: Contemporary Issues in Psychology – Longitudinal Data Analysis in Psychology, University of Rhode Island. Spring 2021, Spring 2023.

MENTORING AND ADVISING

Major Professor

1. Svetlana Goncharenko, Behavioral Science PhD Program (Co-MP), 2021 – 2022
2. Parisa Rafiee, Behavioral Science PhD Program, 2021 –
3. Elizabeth Pauley, Behavioral Science PhD Program, 2021 –

Member, Dissertation Committee

1. Natalie Fenn (Spring 2022)
2. Nathan Baumann (Spring 2022)
3. Svetlana Goncharenko (Spring 2022)
4. Cheyenne Reyes (2021 – ongoing)
5. Shannon Forkus (Spring 2023)
6. Silvi Goldstein (Spring 2023)
7. Burcu Kaplan (2022 – ongoing)
8. Mdtahsin Hasan (Summer 2023)
9. Emma Pascuzzi (2022 – ongoing)
10. Emily Shepard (2022 – ongoing)

Member, Master's Thesis Committee

1. Emmanuel Thomas (Fall 2021)
2. Alexandria Capolino (Fall 2021)
3. Irena Mikhalyuk (Spring 2022)
4. Emily Kenyon (Spring 2022)
5. Emily Carter (2022 – ongoing)
6. Shulamit Sternin (Fall 2023)
7. Elizabeth Pauley (Fall 2023)

Member, Comprehensive Exam

1. Megan Risi (Fall 2020)
2. Svetlana Goncharenko (Spring 2021)
3. Cheyenne Reyes (Spring 2022)
4. Emmanuel Thomas (Spring 2022)
5. Burcu Kaplan (Spring 2022)
6. Reina Kiefer (Fall 2022)
7. Jordann Rawlins Frank (Spring 2023)

Chair, Master's Thesis Committee

1. Joshua Ray Tanzer (Fall 2020)

PSY 488: Undergraduate Teaching Experience in Psychology

Ashley Fontanez (Spring 2020), Krysta Bouchard (Fall 2020), Nina Padro (Spring 2021), Melanie Coretti (Fall 2021), Maddie Melice (Spring 2022), Zoe Graham (Fall 2022)

PROFESSIONAL DEVELOPMENTAL ACTIVITIES

- Advance-CTR Mentoring Training, Advance-CTR, 05/2023.
- Hybrid Synchronous/Asynchronous Remote Teaching Bootcamp, University of Rhode Island, 07/2020.
- Brightspace Learning Management System Training, University of Rhode Island, 06/2020.
- Advanced-K Scholar Career Development Program, via Advance-CTR and Brown University Division of Biology and Medicine, 10/2019-10/2020.
- Strategies and Tools for Teaching at URI, University of Rhode Island, 08/2019.

SERVICE

Departmental Service

May 2020	Member, Review Committee Peter Merenda Prize in Statistics and Research Methodology Department of Psychology, University of Rhode Island, Kingston, RI
Fall 2021 - Spring 2022	Member, Search Committee Multicultural Social Psychology Position in Behavioral Science Department of Psychology, University of Rhode Island, Kingston, RI
May 2022	Member, Review Committee Peter Merenda Prize in Statistics and Research Methodology Department of Psychology, University of Rhode Island, Kingston, RI
Fall 2022 - Spring 2023	Member, Search Committee Quantitative Psychology Position in Behavioral Science Department of Psychology, University of Rhode Island, Kingston, RI
Spring 2022 - Present	Faculty Supervisor Quantitative Training and Consulting Center Department of Psychology, University of Rhode Island, Kingston, RI
Fall 2022 - Present	Member, Inclusion and Diversity Committee Conflict Resolution Subcommittee

University Service

Spring 2020 - Spring 2021	Member, Data Science Graduate Committee University of Rhode Island, Kingston, RI
Fall 2020 - Present	Member, Scholastic Standing Committee College of Health Sciences, University of Rhode Island, Kingston, RI

HONORS, FELLOWSHIP, AND AWARDS

Advance-K Scholar, Brown University, 2019
 Spot Award of Excellent Work, American Institutes for Research, 2014
 Spot Award of Excellent Work, American Institutes for Research, 2011
 PROMIS Psychometric Summit Travel Award, National Institutes of Health, 2011
 Dissertation fellowship, University of Notre Dame, 2009-2010
 Travel Award, Society of Multivariate Experimental Psychology, 2009

PROFESSIONAL OUTREACH ACTIVITIES

Professional Affiliations

Psychometric Society
American Psychological Association (Division 5 Quantitative and Qualitative Methods)
AcademyHealth
American Educational Research Association

Co-Editor

Journal of Behavioral Medicine – Quantitative Methods Special Issue

Review Editor

Frontiers in Psychology – Quantitative Psychology and Measurement

Ad-Hoc Reviewer

Psychological Methods
Psychometrika
British Journal of Mathematical and Statistical Psychology
Multivariate Behavioral Research
Journal of Educational Measurement
Preventing Chronic Disease
The BMJ
Statistics in Medicine
Western Journal of Nursing Research
Emerging Adulthood
Frontiers in Psychology
Frontiers in Digital Health
Health Psychology
Behavior Research Methods
Journal of Clinical and Translational Research
Journal of Public Health Policy
Quality of Life Research