

Manshu Yang

Department of Psychology
University of Rhode Island
Chafee Hall 406
142 Flagg Road, Kingston, RI 02881

Email: myang@uri.edu
Phone: 401-874-7258

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

2025-Present	Associate Professor (Tenured), Department of Psychology, University of Rhode Island, Kingston, RI
2019-2025	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 (62 Total)

(Citations: 1,356; h-index: 19; i10-index: 32)

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

1. **Yang, M.**, Wang, L., & Maxwell, S.E. (Accepted). Reducing boundary estimates and increasing power in detecting individual differences in change: The effect of adding a quadratic term. *Multivariate Behavioral Research*.
2. Bhuptani, P.H., Raudales, A.R., Brick, L.A, Ho, D., **Yang, M.**, Weiss, N. H. (Accepted). Bidirectional relation between intimate partner sexual violence and alcohol use. *Journal of Studies on Alcohol and Drugs*.
3. Stamates, A. L., Todaro, S. M.*, Rafiee, P.*, **Yang, M.**, & Lau-Barraco, C. (Accepted). Environmental and social contexts associated with impulsivity and alcohol use. *Substance Use and Misuse*.

4. Feldstein Ewing, S., Dash, G. F., Hudson, K. A., Hyun, B., **Yang, M.**, Stahl, L., Rømer Thomsen, K., Donate, A., Filbey, F. (Accepted). The Protocol for Do peers enhance behavior change in group motivational interviewing? A translational clinical trial investigating brain synchrony in underage emerging adults during fMRI hyperscanning task and association with alcohol use reductions. *PLOS One*.
5. Raudales, A. M., Brick, L. A., **Yang, M.**, Schatten, H. T., Arney, M. F., Rich, J. D., & Weiss, N. H. (Accepted). An initial exploration of the daily associations between opioid use and acute suicide risk: The role of posttraumatic stress symptoms. *Psychology of Addictive Behaviors*.
6. Feldstein Ewing, S. W. , Dash, G., **Yang, M.**, Hudson, K. A., & Chung, T. (2026). Common factors and unique pathways for linkages between HIV/STI prevention and syndemic behaviors in high-risk youth: Protocol for a secondary analysis of harmonized data from 6 clinical trials. *BMJ Open*, 16, e116180. doi: 10.1136/bmjopen-2026-116180
7. Rafiee, P.*, Pauley, E.*, & **Yang, M.** (2026). Maximum likelihood and Bayesian estimation in cross-domain latent growth curve modeling: the impact of reliability, sample size, and missing data. *Structural Equation Modeling: A Multidisciplinary Journal*, 33(2), 252–267. <https://doi.org/10.1080/10705511.2025.2597293>
8. **Yang, M.** & Gaskin, D. J. (2025). Handling missing data in partially clustered randomized controlled trials. *Psychological Methods*, 30(5), 927-948. <https://dx.doi.org/10.1037/met0000612>.
9. Goldstein, S. C.*, Weiss, N. H., **Yang, M.**, Feldstein Ewing, S. W., & Collins, S. E. (2025). Secondary analysis of a combined harm-reduction treatment and extended-release naltrexone RCT for alcohol use disorder: Differences across race, ethnicity, and sex assigned at birth. *Addiction*, 121(4), 790-803. <https://doi.org/10.1111/add.70251>
10. **Yang, M.**, Keller, S., Rafiee, P.*, Lin, J. S. (2025). Psychometric Evaluation of the PROMIS® Physical Function Short Form 12a for Use by Adults with Myalgic Encephalomyelitis/Chronic Fatigue Syndrome. *Health and Quality of Life Outcomes*, 23, 95. <https://doi.org/10.1186/s12955-025-02431-6>
11. Rafiee, P.* & **Yang, M.** (2025). Abstract: Cross-domain latent growth curve analysis in the presence of missing data and small samples. *Multivariate Behavioral Research*, 60(1), 23–24. <https://doi.org/10.1080/00273171.2025.2443364>
12. Coetzer-Liversage, A., 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. (2024). Validation of the group process assessment for youth who misuse substances: Group level coding. *Journal of Community Safety and Well-Being*, 9(4), 184 – 192. <https://doi.org/10.35502/jcswb.384>
13. **Yang, M.**, Wang, L., & Maxwell, S.E. (2024). The role of a quadratic term in estimating the average treatment effect from longitudinal randomized controlled trials with missing data. *Psychological Methods*. Epub ahead of print. <https://dx.doi.org/10.1037/met0000709>.
14. Kenyon, E.A.*, **Yang, M.**, Chung, T., Wilson, A.C., & Feldstein Ewing, S.W. (2024).

Multilevel associations of peer cognitive factors and adolescent cannabis use in a legal recreational cannabis region. *Frontiers in Psychiatry*, 15, 1477000. <https://doi.org/10.3389/fpsy.2024.1477000>

15. Thomas, E. D.*, **Yang, M.**, Contractor, A. A., & Weiss, N. H. (2024). Examining the proximal relationship between religious coping and depression among trauma-exposed adults. *Mental Health, Religion & Culture*, 1-14. doi:10.1080/13674676.2024.2357795
16. Fenn, N.*, AlSanea, A., McClean, E., Pearson-Merkowitz, S., **Yang, M.**, Robbins, M.L. (2024). A qualitative investigation of civic engagement and well-being among non-college-bound young adults. *Youth*, 4(2), 905-930. doi: 10.3390/youth4020058.
17. **Yang, M.**, Schick, M. R.*, & Sullivan, T. P., & Weiss, N. H. (2024). Predicting completion of ecological momentary assessments among substance-using women experiencing intimate partner violence. *Assessment*, 10731911231216948. Epub ahead of print. doi: 10.1177/10731911231216948.
18. Pauley, E. M.*, & **Yang, M.** (2024). Abstract: Handling missing data in randomized controlled trials with omitted moderation effects. *Multivariate Behavioral Research*, 59(3), 640–641. <https://doi.org/10.1080/00273171.2024.2310407>
19. Mikhalyuk, I.*, Stein, L.A.R., **Yang, M.**, Lamoureux, B., Achin, D., van den Berg, J. J. (2024). 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*, 1(344), 662-673. doi: 10.1016/j.jad.2023.10.077.
20. 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. (2023). 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*, 44 (4), 616-633. doi: 10.1057/s41271-023-00450-5.
21. 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. (2023). Perceived stress and coping among university students amidst COVID-19 pandemic. *COVID*, 3(10), 1544-1553. doi: 10.3390/covid3100105.
22. 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
23. 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.
24. 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.

25. 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.
26. 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*, 72(9), 3147-3151. doi:10.1080/07448481.2023.2168126
27. 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. doi: 10.1002/jcop.23033
28. 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*, 136, 107499. Published online September 21, 2022. doi:10.1016/j.addbeh.2022.107499.
29. 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.
30. 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.
31. 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.
32. 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
33. Raudales, A. M.*, **Yang, M.**, Schatten, H. T., Armey, 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.
34. 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.

35. 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.
36. **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*, 31(12), 3483-3499. doi: 10.1007/s11136-022-03199-8.
37. 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. **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
46. 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.

47. 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.
48. 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.
49. 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.
50. 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.
51. 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.
52. 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.
53. 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.
54. 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.
55. **Yang, M.**, Wang, L., & Maxwell, S. E. (2015). 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.
56. **Yang, M.** & Maxwell, S.E. (2014). Treatment effects in randomized longitudinal trials with different types of nonignorable dropout. *Psychological Methods*, 19(2), 188-210.
57. 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.
58. 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.

59. 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.
60. **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.
61. **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.
62. 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*

1. Goldstein, S. C., Newberger, N. G., Schick, M. R., Weiss, N. H., **Yang, M.**, Miranda, R., Sullivan, T. P., Do fluctuations in financial stress impact alcohol use? Proximal within-day associations for Black, Hispanic, and white women experiencing intimate partner violence. *Alcohol: Clinical and Experimental Research*
2. Weiss, N. H., Raudales, A.M., Brick, L., Ho, D.*, **Yang, M.**, Bhuptani, P.H. (Under Review). Bidirectional relation between intimate partner sexual violence and alcohol use. *Journal of Studies on Alcohol and Drugs*.
3. Pauley, E. M.*, Rafiee, P.*, & **Yang, M.** (Under Review). An evaluation of methods for handling missing data in randomized controlled trials with omitted moderation effects. *Behavior Research Methods*.
4. Coetzer-Liversage, A., **Yang, M.**, Bassett, S. S., Martin, R. A., Monti, P. M., Rohsenow, R. J., Stein, L. A. R. (Under Review). Group Substance Treatment Effects Mediated through Deviancy Training: Impact of Moderation by Age, Conduct Disorder, and Cannabis Dependency. *Substance Use and Misuse*.
5. Zare, H., Rodriguezdiaz, D., Thorpe, R. J., **Yang, M.**, Porter, G., Gaston, M., Ibe, C. A., Jones, W., Balamani, M., Woods, D. L., Gaskin, D. J. (Under Review). The impact of the Prime Time Sister Circle® RCT on health literacy challenges in African American women with hypertension and low socioeconomic status in Maryland. *Patient Education and Counseling*.
6. Weiss, N. H., Spillane, N. S., Goldstein, S. C.*, Nalven, T. *, **Yang, M.**, Moore, R. S., & Gone, J. P. (Under Review). Development of a culturally grounded and trauma-informed treatment intervention for alcohol use in a First Nations community. *American Journal of Community Psychology*.

7. Pascuzzi, E. A.*, Saint-Eloi Cadely, H., Leedahl, S., **Yang, M.**, & Tsotsoros, C. (Under Review). Long-term impacts of parental divorce before 18: A qualitative study. *Family Transitions*.
8. Trinh, C. D. *, Yang, M., Weiss, N. H., Leventhal, A. M., & Spillane, N. S. (Under Review). Happiness protective, activity engagement risky: Prospective associations with adolescent alcohol and cannabis. *American Journal of Orthopsychiatry*.
9. Frank, J.*, Stein, L., **Yang, M.**, Cohen, S., Clarke, J. (Under Review). Motivational interviewing for improving contraceptive use among women leaving prison. *American Journal of Obstetrics and Gynecology*.
10. Trinh, C. D.*, **Yang, M.**, Forkus, S., Leventhal, A., Spillane, N. (Under Review). Indirect associations of happiness on alcohol and cannabis outcomes through alternative reinforcers: A cohort study of adolescents. *Addiction*.
11. Pauley, E. *, Rafiee, P., **Yang, M.** (Under Review). Handling incomplete covariates for estimating average treatment effects in randomized controlled trials. *Multivariate Behavioral Research*.
12. **Yang, M.**, Hogan, J. W., & Hedeker, D. (Under Review). Addressing missingness not at random in intensive longitudinal studies: Leveraging later retrieved responses. *Psychological Methods*.
13. Abbas, M.*, Stein, L., Gokhale, J., & **Yang, M.** (under review). The Public Attitudes Survey: A new measure of stigma, support, and helping intentions in U.S. adults. *Stigma and Health*.

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.

Subaward Principal 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 Feldstein Ewing.

Subaward Principal Investigator. *Linkages between HIV/STI prevention and syndemic behaviors in high risk youth: Common factors and unique pathways.* Sponsor: National Institutes of Health. R01HL167647. \$2,732,314. 09/05/2024-07/31/2028. MPIs: Sarah Feldstein Ewing and Tammy Chung.

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. 12/01/2022-03/31/2025. PI: Nichea Spillane & Nicole Weiss.

Consultant. *CAREER: Statistical Power Analysis and Optimal Sample Size Planning for Longitudinal Studies in STEM Education.* National Science Foundation. 2339353. \$1,248,938. 08/01/2024 – 07/31/2029. PI: Wei Li.

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. 09/23/2023 – 08/31/2025. 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. 09/23/2023 – 08/31/2025. PI: Emmanuel Thomas.

Consultant. *Assessing State Emotions and Acute Alcohol Intoxication on Sexual Assault Risk Perception.* Sponsor: National Institutes of Health. F31AA031164. \$95,388. 09/01/2023 – 08/31/2025. PI: Reina Kiefer.

Consultant. *Adolescent alcohol and cannabis transitions: Associations with multidimensional SES and cannabis policy.* Sponsor: National Institutes of Health. F31AA031163. \$95,388. 05/19/2024-04/30/2026. PI: Emily Kenyon.

Consultant. *Happiness and Pleasurable Activities as Longitudinal Predictors of Adolescent Alcohol and Cannabis Outcomes.* Sponsor: National Institutes of Health. F31DA060555. \$95,388. 5/20/2024– 5/19/2026. PI: Catherine Trinh.

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. F31DA060021. \$51,974. 5/20/2024 – 5/19/2026. PI: Alana Egan.

Consultant. *Examining the association between sleep deficiencies and suicidal ideation in peripubertal youth receiving intensive psychiatric services: A multi-modal approach.* Sponsor: National Institutes of Health. R36MH139327. \$84,669. 01/15/2025 – 12/31/2026. PI: Evelyn Hernandez Valencia.

Pending

Co-Investigator. *Impact of Diet and Exercise on Cerebral Amyloid Angiopathy (IDECAA) study.* Sponsor: National Institutes of Health. R01. \$3,755,246. MPIs: William Van Nostrand and John Robinson.

Co-Investigator. *Real-time links between pain and alcohol craving and use in sexual violence-exposed people with nociplastic pain.* Sponsor: National Institutes of Health. R01. \$3,837,759. PI: Jillian Scheer.

Funded and Completed

Faculty Sponsor and PI. *An Evaluation of Methods for Handling Missing Data in Randomized Controlled Trials with Omitted Moderation Effects.* Sponsor: National Science Foundation and URI Cyberteam CAREERS program. \$7,500. 2023-2024. Student PI: Elizabeth Pauley.

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. 09/13/2021-09/12/2024. PI: Silvi Goldstein.

Co-Investigator. *Developing a Positive Approach to Substance Use Prevention in North American Indian Adolescents.* Sponsor: National Institutes of Health. R34AA027619. \$631,459. 06/15/2020-05/31/2024. PI: Nichea Spillane.

Statistical Analyst. *PTSC: Improving Hypertension Control among Poor Midlife African American Women.* Sponsor: National Institutes of Health. R01MD010462. \$3,033,473. 2016-2023. PI: Darrell J. Gaskin.

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. PI/PD: 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.

Unfunded

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. *Design and Analysis of Multilevel Cost and Cost-Effectiveness Studies via Planned Missing Designs.* U.S. Department of Education, Institute of Education Sciences. Statistical and Research Methodology in Education (CFDA # 84.305D) Core Grants. \$804,414. PI/Co-PIs: Wei Li, Nianbo Dong, & Ben Kelcey.

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. HHSA290201000005C. \$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 (62 Total)

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

1. Raudales, A. M., Schatten, H. T., Brick, L. A., **Yang, M.**, Armey, M. F., Rich, J. D., & Weiss, N. H. (2026, November). *The influence of the dynamic interaction between posttraumatic stress symptoms and opioid use on suicidal ideation.* Symposium to be presented at the 60th annual convention for the Association for Behavioral and Cognitive Therapies Annual (ABCT) Convention, Baltimore, MD.
2. *Abbas, M., Stein, L., Roma, C. E., Gokhale, J., & **Yang, M.** (2026, June). *Modeling public attitudes toward behavioral health: stigma, support, and helping intentions in a statewide sample.* Poster presentation at the 2026 Association for Psychological Science Annual Convention, Barcelona, Spain.
3. *Kiefer, R., Stamates, A., Yang, M., Orchowski, L. M., Parks, K. A., & Weiss, N. H. (2026, September). Assessing state emotion and acute alcohol intoxication on sexual assault risk perception. In R. Kiefer (Chair), *Mechanisms and interventions targeting interpersonal traumatic stress and sexual assault risk.* Symposium to be presented at the 42nd annual convention for the International Society for Traumatic Stress Studies (ISTSS), San Antonio, TX.
4. *Kenyon, E. A., **Yang, M.**, Dash, G.F. Chung, T., & Feldstein Ewing, S.W. (2026, June). Cannabis use patterns among adolescents who drink alcohol: A random-intercept latent transition analysis. Poster presentation at the College on Problems of Drug Dependence (CPDD) 88th Annual Scientific Meeting, Portland, OR.
5. **Yang, M.**, Hedeker, D., Hogan, J. (2026, July). Addressing missing not at random data in intensive longitudinal studies: A Bayesian latent pattern mixture modeling approach. Oral presentation at the 2026 Meeting of the International Society for Data Science and Analytics, Beijing, China.
6. **Yang, M.**, Wang, L., Maxwell, S. E. (2026, June). Detecting individual differences in the average rate of change: Using quadratic growth models to increase power and reduce inadmissible estimates. Oral presentation at the 2026 Modern Modeling Methods Conference (M³), New York, NY.

7. *Rafiee, P., **Yang, M.** (2026, June). Evaluating the effect of person-level covariates on the average rate of change: Using quadratic growth models to handle covariate-dependent missing data. Poster presentation at the 2026 Modern Modeling Methods Conference (M3), New York, NY.
8. *Sahraei Joubani, S., **Yang, M.** (2026, June). Selecting covariates in randomized controlled trials with missing outcome data. Poster presentation at the 2026 Modern Modeling Methods Conference (M3), New York, NY.
9. **Yang, M.** (2026, March). Advanced Computational Techniques for Analyzing Ecological Momentary Assessment (EMA) Data. Invited talk at the IACR lighting talk series, University of Rhode Island, Kingston, RI.
10. Goldstein, S. C., *Newberger, N. G., Schick, M. R., Weiss, N. H., LaMarco, O., Clancy, M., **Yang, M.**, Miranda, R., Sullivan, T. P. (2025, August). Financial Stress and Alcohol Use: Proximal and Reciprocal Momentary Associations Across Black, Hispanic, and White Women Experiencing IPV. Poster presented at the American Psychological Association 2025 Annual Convention, Denver, CO.
11. *Reyes, C., **Yang, M.**, Strübel, J. & Robbins, M. (2025, August). Development of a measure of COVID-19 related compassion fatigue in the general population. Poster presentation at the 2025 American Psychological Association Annual Convention, Denver, CO.
12. *Trinh, C., **Yang, M.**, Weiss, N., Spillane, N. (2025, June). Unhappy hour: Greater increases in happiness are associated with less alcohol use frequency for adolescents. Poster presentation at the Research Society on Alcohol Annual Meeting, New Orleans, LA.
13. **Yang, M.** (2025, April). Handling missing data in randomized controlled trials with multilevel structures: Insights from two simulation studies. Invited talk at the NSF CAREER Advisory Board Speaker Series, College of Education, University of Florida, Gainesville, FL.
14. Goldstein, S. C., Weiss, N. H., **Yang, M.**, Feldstein Ewing, S. W., & Collins, S. E., (2025, April). Harm reduction pharmacotherapy treatment: Efficacy across race, ethnicity, and sex. In S. C. Goldstein (Chair), *Community-based participatory research advances substance use treatment for minoritized populations*. Symposium presented at the 13th Annual Collaborative Perspectives on Addiction Conference, Providence, RI, United States.
15. Weiss, N. H., Spillane, N. S., Goldstein, S. C., Nalven, T., **Yang, M.**, Moore, R. S., & Gone, J. P. (2025, April). Development of a culturally grounded and trauma-informed AUD intervention for a First Nations group. In N. H. Weiss (Chair), *Community-engaged approaches for addressing co-occurring PTSD and SUD in diverse populations*. Symposium presented at the 13th Annual Collaborative Perspectives on Addiction Conference, Providence, RI.
16. **Yang, M.** (2025, March). Handling missing-not-at-random data in ecological momentary assessments. Invited talk at the Applied Methodology in Psychiatry, Human and Social Behavior and Neurosciences (AMPHIBIAN) Working Group, Brown University,

Providence, RI.

17. *Kenyon, E.A., *Kiefer, R.A., **Yang, M.**, Weiss, N.H., Feldstein Ewing, S.W. (2024, September). Impact of childhood maltreatment on adolescent alcohol problems: A multilevel modeling approach to examine intervention response. Poster presentation at the International Society for Traumatic Stress Studies 40th Annual Meeting, Boston, MA.
18. **Yang, M.**, Wang, L., & Maxwell, S. E. (2024, June). Estimating the average treatment effect in longitudinal randomized controlled trials with missing data: Will it help to add a quadratic term? Oral presentation at the 2024 Annual Modern Modeling Methods Conference (M³), Storrs, CT.
19. *Rafiee, P. & **Yang, M.** (2024, June). Evaluating the effect of change on change in cross-domain latent growth curve analysis with missing data. Oral presentation at the 2024 Annual Modern Modeling Methods Conference (M³), Storrs, CT.
20. *Rafiee, P. & **Yang, M.** (2024, August). Handling missing data in cross-domain latent growth curve analyses. Poster presentation at the 2024 American Psychological Association Annual Convention, Seattle, WA,
21. *Pauley, E., & **Yang, M.** (2024, August). Estimating the average treatment effect in RCTs with omitted moderation effects and missing data. Poster presentation at the 2024 American Psychological Association Annual Convention, Seattle, WA.
22. *Kenyon, E.A., **Yang, M.**, Feldstein Ewing, S.W. (2024, October). Detangling the highs and lows of cannabis: The role of peer influence, norms and cannabis use in U.S. youth. Oral Presentation at the Lisbon Addictions, European Conference on Addictive Behaviors and Dependencies, Lisbon, Portugal.
23. *Pauley, E., & **Yang, M.** (2024, July). Estimating the average treatment effect in randomized controlled trials with omitted moderation effects and missing data. Poster presentation at the 2024 PEARC Annual Meeting, Providence, Rhode Island.
24. Stamates, A. L., *Todaro, S. M., *Rafiee, P., *Sherman, A. L., **Yang, M.**, & Lau-Barraco, C. (2024, June). Using ecological momentary assessment to understand contextual factors associated with heightened impulsivity and alcohol use. Poster submitted to the 2024 annual conference for the Research Society on Alcohol, Minneapolis, MN.
25. *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.
26. **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.
27. **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.
28. *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.

29. *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.
30. *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.
31. 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.
32. *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.
33. **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.
34. *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.
35. *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.
36. *Raudales, A. M., **Yang, M.**, Schatten, H. T., Armey, 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.

37. *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.
38. *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.
39. *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.
40. *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.
41. *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.
42. *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
43. 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.
44. **Yang, M.** (2021). *Missing data issues in longitudinal studies and big data research*. Invited talk at the Virtual Forum on Data Science and Methodology.
45. **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.
46. 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.
47. 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.

48. 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.
49. 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.
50. **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.
51. 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.
52. **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.
53. 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.
54. 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
55. 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.
56. **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.
57. 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.
58. **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.

59. **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.
60. **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.
61. **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.
62. **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, Fall 2024.

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. Elizabeth Pauley, Behavioral Science PhD Program, 2021 – 2026
3. Emily Kenyon, Clinical Psychology PhD Program, 2024 – 2026
4. Parisa Rafiee, Behavioral Science PhD Program, 2021 –
5. Shaghayegh Sahraei Joubani, Behavioral Science PhD Program, 2024 –

Member, Dissertation Committee

1. Natalie Fenn (Spring 2022)
2. Nathan Baumann (Spring 2022)
3. Svetlana Goncharenko (Spring 2022)
4. Cheyenne Reyes (Spring 2024)

5. Shannon Forkus (Spring 2023)
6. Silvi Goldstein (Spring 2023)
7. Burcu Kaplan (Fall 2024)
8. Mdtahsin Hasan (Summer 2023)
9. Emma Pascuzzi (Spring 2024)
10. Emily Shepard (Fall 2023)
11. Jordann Frank (Summer 2025)
12. Reina Kiefer (Spring 2026)
13. Emily Carter (Spring 2026)
14. Evelyn Valencia (2024 – ongoing)
15. Rishika Singh (2024 – ongoing)
16. Diana Ho (Fall 2024 – 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 (Spring 2024)
6. Shulamit Sternin (Fall 2023)
7. Elizabeth Pauley (Fall 2023)
8. Anne Nields (Spring 2025)

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)
8. Shulamit Sternin (Spring 2024)
9. Emily Kenyon (Spring 2023)
10. Evelyn Valencia (Summer 2024)
11. Diana Ho (Fall 2024)
12. Emily Carter (Fall 2024)
13. Rishika Singh (Spring 2026)

Chair, Master's Thesis Committee

1. Joshua Ray Tanzer (Fall 2020)

Chair, Comprehensive Exam

1. Michael Carlozzi (Summer 2024)

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

Fall 2025 - Present	Co-Director Behavioral Science PhD Program Department of Psychology, University of Rhode Island, Kingston, RI
Fall 2025 - Present	Member, Faculty Development Committee Department of Psychology, University of Rhode Island, Kingston, RI
Fall 2026 - Spring 2027	Member, Search Committee Digital Health Positions Department of Psychology, University of Rhode Island, Kingston, RI
Fall 2024 - Spring 2025	Member, Search Committee Qualitative/Mixed Methodology Position in Behavioral Science Department of Psychology, University of Rhode Island, Kingston, RI
Fall 2024 - Spring 2025	Member, Search Committee Department Chair Position Department of Psychology, University of Rhode Island, Kingston, RI
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 Department of Psychology, University of Rhode Island, Kingston, RI
Fall 2023 - Fall 2024	Member, Graduate Curriculum Committee Co-Chair, Methods Sequence Subcommittee Department of Psychology, University of Rhode Island, Kingston, RI

University Service

Spring 2020 - Spring 2021	Member, Data Science Graduate Committee University of Rhode Island, Kingston, RI
Fall 2020 - Spring 2025	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
 International Society for Data Science and Analytics

Co-Editor

Journal of Behavioral Medicine – Data Analysis for Behavioral Medicine Special Issue

Community Reviewer

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
Journal of Behavioral Medicine

Data and Safety Monitoring Board (DSMB) Member

Project HOME (Home-Based Options & Mechanisms for Eating Disorders). Sponsor:
National Institutes of Health. R34MH123589. PI: Andrea Goldschmidt & Christina
Tortolani.

Targeting Emotion Dysregulation to Reduce Suicide in People with Psychosis. Sponsor:
National Institutes of Health. K23MH125024. PI: Peter L. Phalen.

Conference Organizing Committee Member

The 2026 Annual Meeting of the International Society for Data Science and Analytics
(ISDSA), Beijing, China.

The 2025 Annual Meeting of the International Society for Data Science and Analytics
(ISDSA), Washington, DC.