
Kari C. Kugler, PhD, MPH

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Education

- 2008 - 2010 **Postdoctoral Fellowship**, Prevention Research Center
University of Minnesota, Minneapolis, Minnesota
Mentor: Michael D. Resnick
- 2006 **Doctor of Philosophy**, Epidemiology
University of Minnesota, Minneapolis, Minnesota
Dissertation: *Etiology of sexual development among adolescents in Tanzania*
Advisors: Kelli A. Komro and Melissa H. Stigler
- 2001 **Master of Public Health**, Community Health Education
University of Minnesota, Minneapolis, Minnesota
- 1995 **Bachelor of Arts**, Biology with Concentration in Environmental Studies
St. Olaf College, Northfield, Minnesota

Professional Experience

- 2024—current **Director of Undergraduate Public Health**, The College of Health and Human Development, The Pennsylvania State University, Pennsylvania
- 2023—current **Associate Teaching Professor**, Department of Biobehavioral Health, The Pennsylvania State University, Pennsylvania
- 2017-2023 **Assistant Teaching Professor**, Department of Biobehavioral Health, The Pennsylvania State University, Pennsylvania
- 2011-2017 **Research Associate**, The Methodology Center, The Pennsylvania State University, Pennsylvania
- 2007 - 2008 **Senior Research Analyst**, Center for Prevention, Blue Cross Blue Shield, Minnesota
- 2006 - 2007 **Visiting Researcher**, University of Oslo, Norway
- 1999 - 2006 **Graduate Research Assistant**, University of Minnesota, Minnesota
- 1997 - 1999 **Research Assistant II**, University of Iowa Hospitals and Clinics, Iowa

1996 – 1997 **Research Technologist II**, University of Massachusetts Medical Center, Massachusetts

Awards

2025 HHD Alumni Society Excellence in Teaching Award nomination

2024 SEN Group Grant for support undergraduate travel to Peru

2023-2024 HHD Teaching Excellence Award
Pennsylvania State University

2022-2023 HHD Teaching Excellence Award
Pennsylvania State University

2018-2019 HHD Teaching Excellence Award
Pennsylvania State University

2012-2014 Career Development Award
Pennsylvania State University Clinical and Translational Science Institute

2010-2013 Loan Repayment Program
National Institutes of Health

Teaching and Mentoring

Teaching

2017- current Teaching a 3-3 load in Biobehavioral Health in residence (Courses: Principles of Epidemiology; Health Promotion; Health and Human Sexuality) and supplemental courses on World Campus

Co-Instructor

2011-2013, 2015 Pennsylvania State University, University Park, PA
Graduate Course: Optimization of Behavioral Interventions

Mentorship

2022– current Faculty Advisor to Student Organizations

2023– current BBH Honors Thesis Supervisor (John Grafstrom)

2022– current BBH Honors Advisor

2017– current BBH Undergraduate Intern Mentor

2016–2018 Jonathan Reader, Prevention and Methodology Training (NIDA T32) graduate student

- 2014–2015 Phylicia Bediako, Prevention and Methodology Training (NIDA T32) graduate student
- 2014–2015 Emily Waterman, Prevention and Methodology Training (NIDA T32) graduate student
- 2009 Young Epidemiology Scholars competition, Minneapolis, MN

Guest Lectures

- 2020-2025 Pennsylvania State University, University Park, PA
Undergraduate Course: Health Works Peer Education Training (Erin Raupers)
- 2019-2021 Pennsylvania State University, University Park, PA
Undergraduate Graduate Course: Child Maltreatment: Prevention and Treatment (Kristina Porter)
- 2016-2017 Pennsylvania State University, University Park, PA
Graduate Course: Child Maltreatment: Prevention and Treatment (Dr. Chad Shenk)
- 2016 Pennsylvania State University, University Park, PA
Graduate Course: Education Seminar (Dr. Jennifer Frank)
- 2016 Pennsylvania State University, University Park, PA
Graduate Course: Optimization of Behavioral Interventions (Dr. Linda Collins)
- 2015 Pennsylvania State University, University Park, PA
Graduate Course: Program Evaluation (Dr. Janet Welsh)
- 2013 Pennsylvania State University, University Park, PA
Graduate Course: Childhood Obesity (Dr. Leann Birch)

Teaching Assistantships

- 2006 University of Minnesota, Minneapolis, MN
Graduate Course: Introduction to SAS
- 2004 University of Minnesota, Minneapolis, MN
Graduate Course: Interpretation of Data from Epidemiologic Research
- 2000 University of Minnesota, Minneapolis, MN
Graduate Course: Fundamentals of Epidemiology

Service

Service to the Profession

- 2024 **Reviewer**, Translational Behavioral Medicine journal

- 2019 **Guest Speaker:** Vaccinate America Panel Discussion, State College, PA
- 2018 **Guest Speaker:** Vaccines in the US, University Park, PA
- 2018 **Guest Speaker:** Understanding the Epidemiology of Alzheimer's, State College, PA
- 2018 **Panel Discussant:** Understanding the Opioid Epidemic, State College, PA
- 2017 **Ad-hoc committee member:** Development of Society of Behavioral Medicine webinar series
- 2016-2018 **Chair,** Society of Behavioral Medicine, Abstract Chair for Methodology and Measurement Topic Area
- 2016 **Grant Reviewer,** The Pennsylvania State University Clinical and Translational Research Institute
- 2016 **Chair,** Optimizing Behavioral Interventions special interest group, Society for Behavioral Medicine
- 2016 **Co-Organizer,** Training on the Optimization of Behavioral and Biobehavioral Interventions, meeting sponsored by NIDA & OBSSR
- 2015 **Co-Chair,** Optimizing Behavioral Interventions special interest group, Society for Behavioral Medicine
- 2015 **Grant Reviewer,** The Pennsylvania State University Clinical and Translational Research Institute
- 2013-2015 **Co-Chair,** Optimizing Behavioral Interventions brown bag special interest group, Society of Prevention Research
- 2013 **Organizer,** The Future of HIV Prevention and Treatment: Integrating Innovative Methods with Intervention Science, meeting sponsored by NIDA, OAR, and OBSSR.
- 2009 **Fellow Representative,** Department of Pediatrics, University of Minnesota, Minnesota Representative at faculty meetings in the Department of Pediatrics.
- 2006 **Grant Reviewer,** Minnesota Department of Health, Minnesota Reviewer for HIV Health Education and Risk Reduction Projects for Minnesota.
- 2005 **Consultant,** Minneapolis Urban League, Minnesota Consulted for grant preparation to USDHHS, SAHMSA (\$250,000 for 5 years)

Service to the Unit

- 2024 BBH Committee Member for Non-Tenure Track Faculty Position
- 2024 BBH Course Content Mapping

- 2024-2026 University Committee Member for Coalition to Address Relationship and Sexual Violence
- 2022-2024 HHD Bachelors in Public Health Task Force
- 2022- current BBH Honors Supervisor
- 2020- current HHD Academic Integrity committee
- 2021-2022 HHD COVID Health & Safety committee
- 2019-2021 BBH Diversity, Health, & Inclusion committee
- 2018-2020 BBH Newsletter committee
- 2018, 2019 Undergraduate Research Day, Judge, Penn State University
- 2014-2017 Organizer: Methodology Center Brown Bag Seminar Series
- 2013-2015 Organizer: Penn State Optimization of Behavioral and Biobehavioral Special Interest Group

Ad Hoc Reviewer

AIDS Care (2012)
American Journal of Public Health (2017)
Archives of Sexual Behavior (2020)
Childhood Obesity (2016)
Health Education and Behavior (2011, 2012)
Journal of Adolescent Health (2009, 2010, 2011, 2013, 2015, 2017)
Journal of Nutrition Education & Behavior (2012)
Journal of Research on Adolescence (2018)
Nursing Research (2015)
Population Studies (2010)
Prevention Science (2011, 2012, 2013, 2014, 2015, 2017, 2018, 2019, 2020, 2021, 2022)
Translational Behavioral Medicine (2014, 2018, 2020, 2024)
Young Laureates Program (2009)

Research Support

Completed

NIH/NIDDK R01 DK120754 7/2019–4/2024
One Path: Optimizing Nutrition Education for Parents and Teaching for Healthy Growth
 Role: Co-Investigator (PI: Savage Williams)

NIH/NIAAA R21 AA023660 3/2016–2/2018
Optimizing e-Interventions for Alcohol Use: Do Common Factors Apply?
 Role: Consultant (PI: Grekin)

NIH/NIDA U01 MD010629 5/2016–12/2019
Community Wise: An Innovative Multi-level Intervention to Reduce Alcohol and Illegal Drug Use
 Role: Consultant (PI: Windsor)

NIH/NIAAA R01 AA022931 8/2015–3/2020
The Intersection of Alcohol and Sex: Engineering an Online STI Prevention Program
 Role: Co-Investigator (PI: Collins)

NIH/NICHD R03 HD079711 5/2014–4/2017
Social Ecological Determinants of Young Adult Sexual Risk Behavior
 Role: Principal Investigator

NIH/NIDA P50 DA039838 9/2015–8/2020
Center for Complex Data to Knowledge in Drug Abuse and HIV Prevention Science
 Role: Co-Investigator (PI: Collins)

USDE R305A150391 9/2015–8/2020
Project RESPECT: A Proposal to Develop the Responding in Emotionally Supportive and Positive Ways in Educational Communication Skills Training program
 Role: Co-Investigator (PI: Frank)

USDA 2015-68001-23233 4/2015–3/2020
Healthy Bodies Project: Modifying Family and Preschool Environments to Prevent Obesity
 Role: Co-Investigator (PI: Francis)

NIH/NICHD R01 AG048791 9/2014–4/2016
Daily Stress Coping and Premature Cognitive Aging in Child Abuse Victims at Midlife
 Role: Co-Investigator (PI: Noll)

NIH/NIDA P50 DA100075 9/2010–8/2015
Center for Prevention and Treatment Methodology
 Role: Co-Investigator (PI: Collins)

NIH KL2 TR000126 1/2012–12/2014
Building an Effective and Efficient Pediatric Obesity Preventive Intervention
 Role: Principal Investigator

U01 AI031834 1/2012–12/2012
 NIH/NIDA Administrative Supplement
Joint Modeling of the Effects of Substance Use on Changes in CD4 and on Survival Time of Women With HIV
 Role: Co-Investigator (2012) (PI: Lanza)

NIH/NCI P50 CA143188 9/2009–5/2012
A Tobacco Intervention Laboratory
 Role: Co-Investigator (2011-2012) (PI: Baker)

NIH/NINR R01 NR008778 6/2006–3/2011
Prime Time: Health Promotion for Multiple Risk Factors
 Role: Post-Doctoral Fellow (2008-2010) (PI: Sieving)

U48 DP001939 9/2009–9/2014
Centers for Disease Control and Prevention, Department of Health and Human Services
Encuentro – A Healthy Youth Development Project
Role: Post-Doctoral Fellow (2008-2010) (PI: Resnick)

NIH/NIAAA R01 AA013458-05 9/2001–8/2007
An Adaptation of Project Northland for Urban Youth
Role: Graduate Research Assistant (2002-2006) (PI: Komro)

Publications

Journal Articles

Youngmark, B. Milroy, J., Kugler, K., Weaver, G. Hebard, S. Davoren, A., Scroggins, C. et al. (Revise and Resubmit). Coaching and Life Skills Development for Collegiate Esports Athletes. *Journal of Electronic Gaming and Esports*.

Windsor, L., Benoit, E., Pinto, R. M., Lee, C., Kugler, K., Smith, D., & Musaad, S. (2024) Critical Dialogue and Capacity-Building Projects Reduced Alcohol and Substance Use in a Randomized Clinical Trial among Formerly Incarcerated Men. *Substance Use and Misuse*.
<https://doi.org/10.1080/10826084.2024.2352611>.

Francis, L., Nix, R.L., BeLue, R., Keller, K.L., Kugler, K.C., Rollins, B.Y. and Savage, J.S. (2023). Designing a childhood obesity preventive intervention using the multiphase optimization strategy: The Healthy Bodies Project. *Clinical Trials*, 20(4), 434-446.
<https://doi.org/10.1177/17407745231167115>

Lo, B.,K, McTernan, M., Haines, J., Savage, J.S., Kugler, K.C., Haneuse, S.J., Redline, S., Taveras, E.M., Davison, K.K. (2021). Development and psychometric properties of the Sleep Parenting Scale for Infants (SPS-I). *Behavioral Medicine*, 1-11. DOI: [10.1080/08964289.2021.2002799](https://doi.org/10.1080/08964289.2021.2002799)

Ma, A., Chambers, B. D., Tanner, A. E., Kugler, K. C., Milroy, J. J., & Wyrick, D. L. (2021). Examining the intersection of alcohol use and hookups among transgender college students: A descriptive study. *Journal of Public Health Issues and Practices*, 5(2), 183. <https://doi.org/10.33790/jphip1100183>

Wyrick, D. L., Tanner, A. E., Milroy, J. J., Guastafarro, K., Bhandari, S., Kugler, K. C., ...& Collins, L. M. (2020). *itMatters*: Optimization of an online intervention to prevent sexually transmitted infections in college students. *Journal of American College Health*, 1-11. DOI: [10.1080/07448481.2020.1790571](https://doi.org/10.1080/07448481.2020.1790571)

Thorpe, S., Ware, S., Tanner, A.E., Kugler, K.C., Guastafarro, K.M., Wyrick D.L., & Milroy, J.M. (2020). Sexual Sensation Seeking, Hookups, and Alcohol Consumption among First-Year College Students. *Journal of American College Health*. DOI: [10.1080/07448481.2020.1713136](https://doi.org/10.1080/07448481.2020.1713136)

Grekin, E. R., Beatty, J. R., McGoron, L., Kugler, K. C., McClure, J. B., Pop, D. E., & Ondersma, S. J. (2019). Testing the efficacy of motivational strategies, empathic reflections, and lifelike features in

- a computerized intervention for alcohol use: A factorial trial. *Psychology of Addictive Behaviors*, 33(6), 511. DOI: 10.1037/adb0000502
- Vasilenko, S. A., Glassman, J. R., Kugler, K. C., Peskin, M. F., Shegog, R., Markham, C. M., ... & Coyle, K. K. (2019). Examining the Effects of an Adolescent Pregnancy Prevention Program by Risk Profiles: A More Nuanced Approach to Program Evaluation. *Journal of Adolescent Health*, 64(6), 732-736. DOI: 10.1016/j.jadohealth.2018.12.003
- Thorpe, S., Tanner, A. E., Kugler, K. C., Chambers, B. D., Ma, A., Jenkins Hall, W., ... & Wyrick, D. L. (2019). First-year college students' alcohol and hookup behaviours: sexual scripting and implications for sexual health promotion. *Culture, Health & Sexuality*, 1-17. DOI: 10.1080/13691058.2019.1688868
- Kugler, K.C., Shenk, C.E., Guastaferrro, K.M., Beal, S.J., Noll, J.G., (2018). The effect of child maltreatment reports and subsequent adolescent health. DOI: 10.1016/j.chiabu.2018.06.005
- Windsor, L.C., Benoit, E., Smith, D., Pinto, R.M., & Kugler, K.C. (2018). Optimizing a community-engaged multi-level group intervention to reduce substance use: An application of the multiphase optimization strategy. *Trials*, 19, 255. DOI: 10.1186/s13063-018-2624-5
- Rivera, P. M., Bray, B. C., Kugler, K. C., Guastaferrro, K., & Noll, J. G. (2018). Linking patterns of substance use with sexual risk-taking among female adolescents with and without histories of maltreatment. *Journal of Adolescent Health*, 62, 556-562. DOI:10.1016/j.jadohealth.2017.11.293
- Savage JS, Rollins BY, Kugler KC, Birch LL, Marini ME. (2017). Development of a theory-based questionnaire to assess structure and control in parent feeding (SCPF). *The International Journal of Behavioral Nutrition and Physical Activity*, 14, 9-20. DOI:10.1186/s12966-017-0466-2.
- Moller, A., Merchant, G., Conroy, D.E., West, R., Heckler, E., Kugler, K.C., Miche, S. (2017). Applying and advancing behavior change theories and techniques in the context of a digital health revolution: Proposals for more effectively realizing untapped potential. *Journal of Behavioral Medicine*, 40, 85-98. DOI 10.1007/s10865-016-9818-7.
- Kugler, K. C., Balantekin, K.N., Birch, L.B., Savage, J.S. (2016). Application of the multiphase optimization strategy to a pilot study: An empirical example targeting obesity among children of low-income mothers. *BMC Public Health*, 6(1):1181. DOI: 10.1186/s12889-016-3850-y
- Buscemi, J., Janke, E., Kugler, K.C., Duffecy, J. Mielenz, T., St. George, S., Sheinfeld-Gorin, S.N. (2017). Increasing the public health impact of evidence-based interventions in behavioral medicine: New approaches and future directions. *Journal of Behavioral Medicine*, 40, 203-213. DOI 10.1007/s10865-016-9773-3.
- Vasilenko, S.A., Kugler, K.C., Rice, C. (2016). Timing of first sexual intercourse and young adult health outcomes. *Journal of Adolescent Health*, 59, 291-297. doi: 10.1016/j.jadohealth.2016.04.019.
- Kugler, K. C., Vasilenko, S., Butera, N., & Coffman, D. L. (2015). Long-term consequences of early sexual initiation on young adult health: A causal inference approach. *Journal of Early Adolescence*, Advanced online publication, DOI: 10.1177/0272431615620666

- Collins, L. M., Kugler, K. C., & Gwadz, M. V. (2015). Optimization of multicomponent behavioral and biobehavioral interventions for the prevention and treatment of HIV/AIDS. *AIDS and Behavior*. Advance online publication. doi: 10.1007/s10461-015-1145-4
- Vasilenko, S. A., Kugler, K. C., & Lanza, S. T. (2015). Latent classes of adolescent sexual and romantic relationship experiences: Implications for adult sexual health and relationship outcomes. *Journal of Sex Research*. DOI: [10.1080/00224499.2015.1065952](https://doi.org/10.1080/00224499.2015.1065952)
- Collins, L. M., Dziak, J. D., Kugler, K. C., & Trail, J. (2014). Factorial experiments: Efficient tools for evaluation of intervention components. *American Journal of Preventive Medicine*, 47(4), 498-504. PMID: PMC4171184.
- Vasilenko, S. A., Kugler, K. C., Butera, N., & Lanza, S. T. (2014). Patterns of adolescent sexual behavior predicting young adult sexually transmitted infections: A latent class analysis approach. *Archives of Sexual Behavior*, 44, 705-715. doi: 10.1007/s10508-014-0258-6. PMID: PMC4107199
- Collins, L. M., Trail, J., Kugler, K. C., Baker, T. B., Piper, M., & Mermelstein, R. (2013). Evaluating individual intervention components: Making decisions based on the results of a factorial screening experiment. *Translational and Behavioral Medicine*, 4, 238-251. PMID: PMC4167900
- Coffman, D. L., & Kugler, K. C. (2012). Causal mediation of a human immunodeficiency virus preventive intervention. *Nursing Research*, 61(3), 224-230. PMID: PMC337768
- Taliaferro, L. A., Muehlenkamp, J. J., Borowsky, I. W., McMorris, B. J., & Kugler, K. C. (2012). Factors distinguishing youth who report self-injurious behaviors: A population-based sample. *Academic Pediatrics*, 12, 205-213.
- Lanza, S. T., Kugler, K. C., & Mathur, C. (2011). Differential effects for sexual risk behavior: An application of finite mixture regression. *The Open Family Studies Journal*, 4(Suppl 1-M9), 81-88. PMID: PMC3487167
- Sieving, R. E., McMorris, B. J., Beckman, K. J., Pettingell, S. L., Secor-Turner, M., Kugler, K., Garwick, A. W., Resnick, M. D., & Bearinger, L. H. (2011). 12-Month sexual health outcomes of a clinic-based intervention to prevent pregnancy risk behaviors. *Journal of Adolescent Health*, 49(2), 172-179. PMID: PMC3143373
- Secor-Turner, M., Kugler, K., Bearinger, L. H., & Sieving, R. (2009). A global perspective of adolescent sexual and reproductive health: Context matters. *Adolescent Medicine: State of the Art Reviews*, 20(3), 1005-1025.
- Komro, K. A., Perry, C. L., Veblen-Mortenson, S., Farbaksh, K., Toomey, T. L., Stigler, M. H., Jones-Webb, R., Kugler, K. C., Pasch, K. E., & William, C. L. (2008). Outcomes from a randomized controlled trial of a multi-component alcohol use preventive intervention for urban youth: Project Northland Chicago. *Addiction*, 103, 606-618.
- Kugler, K. C., Komro, K. A., Stigler, M. H., Mnyika, K. S., Masatu, M., Aastrom, A. N., & Klepp, K-I. (2007). The reliability and validity of self-report measures used to evaluate adolescent HIV/AIDS prevention programs in sub-Saharan Africa. *AIDS Education and Prevention*, 19(5), 365-382.

- Komro, K. A., Perry, C. L., Veblen-Mortenson, S., Farbakhs, K., Kugler, K. C., Alfano, K. A., Dudovitz, B. S., William, C. L., & Jones-Webb, R. (2006). Cross-cultural adaptation and evaluation of a home-based program for alcohol prevention among urban youth: The Slick Tracy Home Team Program. *Journal of Primary Prevention, 27*(2), 135-154.
- Stigler, M. H., Kugler, K. C., Komro, K. A., Leshabari, M. T., & Klepp, K. I. (2005). AIDS education for primary school children in Tanzania: A mediation analysis. *Health Education and Research, 21*(4), 441-451.
- Schmitz, K. H., Jensen, M. D., Kugler, K. C., Jeffery, R. W., & Leon, A. S. (2003). Strength training for obesity prevention in midlife women. *International Journal of Obesity and Related Metabolic Disorders, 27*(3), 326-333.
- Kugler, K. C., Denys, G. A., Wilson, M. L., & Jones, R. N. (2000). Serious streptococcal infections produced by isolates resistant to streptogramins (quinupristin/dalfopristin): Case reports from the SENTRY antimicrobial surveillance program. *Diagnostic Microbiology of Infectious Diseases, 36*(4), 269-272.
- Jones, R. N., Kugler, K. C., Erwin, M. E., Biedenbach, D. J., Beach, M. L., & Pfaller, M. A. (1999). Gatifloxacin (AM-1155, CG 5501) susceptibility testing interpretive criteria and quality control guidelines for dilution and disk (5-microgram) diffusion methods: The Quality Control Group. *Diagnostic Microbiology of Infectious Diseases 33*(4), 247-253.
- Kugler, K. C., Jones, R. N., Biedenbach, D. J., Erwin, M. E., Pfaller, M. A., Doern, G. V., & The Quality Control Study Group. (1999). Gatifloxacin (AM-1155, CG 5501) susceptibility testing interpretive criteria and quality control guidelines for dilution and disk (5- μ g) diffusion methods. Proceedings of the 6th ISNQRA, Denver, Colorado. Drug (Supplement). *Diagnostic Microbiology of Infectious Diseases, 32*, 289-301.
- Kugler, K. C., Biedenbach, D. J., & Jones, R. N. (1999). Determination of the antimicrobial activity of 29 clinically important compounds tested against fastidious HACEK group organisms. *Diagnostic Microbiology of Infectious Diseases, 34*, 73-76.
- Brueggemann, A. B., Kugler, K. C., & Doern, G. V. (1997). In vitro activity of bay 12-8039, a novel 8-methoxyquinolone, and six comparator fluoroquinolones against *Streptococcus pneumoniae*, *Haemophilus influenzae* and *Moraxella catarrhalis*. *Antimicrobial Agents Chemotherapy, 41*, 1594-1597.

Other Publications

- Goldstein, C. M., & Kugler, K. C. (2019). Multiphase optimization strategy. In M. Gellman (Ed.), *Encyclopedia of behavioral medicine*. New York, NY: Springer.
- Collins, L. M., & Kugler, K. C. (2018). Optimization of behavioral, biobehavioral, and biomedical interventions: Advanced topics. New York, NY: Springer.
- Kugler, K.C., Wyrick, D.L., Tanner, A.E., Milroy, J.J, Chambers, B.D., Ma, A., Guastaferrro, K.M., & Collins, L.M. (2018). Using the Multiphase Optimization Strategy (MOST) to Develop an Optimized Online STI Preventive Intervention Aimed at College Students: Description of Conceptual Model and Iterative Approach to Optimization. In L. M. Collins & K. C. Kugler (Eds.), *Optimization of*

Multicomponent Behavioral, Biobehavioral, and Biomedical Interventions: Advanced Topics (pp. 1-21). New York, NY: Springer.

Kugler, K.C., Dziak, J.J., & Trail, J. (2018). Coding and interpretation of effects in analysis of data from a factorial experiment. In L. M. Collins & K. C. Kugler (Eds.), *Optimization of Multicomponent Behavioral, Biobehavioral, and Biomedical Interventions: Advanced Topics* (pp. 175-205). New York, NY: Springer.

Kugler, K. C., Trail, J. B., Dziak, J. J., & Collins, L. M. (2012). *Effect coding versus dummy coding in analysis of data from factorial experiments* (Technical Report No. 12-120). University Park: The Methodology Center, Penn State.

Presentations

Invited Talks

Kugler, K. C. (2018, April). *Expanding the toolbox: The Multiphase Optimization Strategy*. Invited talk as part of the American Society of Preventive Oncology webinar series.

Kugler, K. C. (2016, December). *Expanding the toolbox: The Multiphase Optimization Strategy*. Invited lecture and workshop for University of Connecticut's InCHIP lecture series.

Kugler, K. C. (2016, September). *Expanding the toolbox: The Multiphase Optimization Strategy*. Invited webinar for American College of Rheumatology.

Kugler, K. C. (2016, June). *Expanding the toolbox: A new way to build effective and efficient interventions*. Invited talk at University of Southern California, Los Angeles, CA.

Kugler, K. C. and Wyrick, D. L. (2016, May). *An iterative approach to optimization of a behavioral intervention to reduce STIs on college campuses*. Invited talk at Optimization of Behavioral Interventions Training, Bethesda, MD.

Kugler, K. C. (2015, July). *Expanding the toolbox: A new way to build effective and efficient interventions*. Invited talk at The Marine and Families Behavioral Research Summit, Quantico, VA.

Kugler, K. C. (2015, May). *Expanding the toolbox: A new way to build effective and efficient interventions*. Invited talk at The Pennsylvania State University's Biostatistics, Epidemiology, and Research Design lecture series, University Park, PA.

Kugler, K. C. (2014, October). *Expanding the toolbox: A new way to build effective and efficient interventions*. Invited talk at Technology: Research in Chronic and Critical Illness lecture series, University of Pittsburgh, Pittsburgh, PA.

Kugler, K. C. (2014, May). *Expanding the toolbox: A new way to build effective and efficient interventions*. Invited talk at Public Health Sciences seminar series, The Pennsylvania State University, Hershey, PA.

Kugler, K. C. (2014, April). *A new approach to building more effective and efficient behavioral interventions*. Invited talk Workshop on Innovative Study Designs and Methods for Developing,

Testing, and Implementing Behavioral Interventions to Improve Health, National Institutes of Health, Bethesda, MD.

Kugler, K. C. (2013, November). *Expanding the toolbox: A new approach to building more effective and efficient behavioral interventions*. Invited talk at University of Texas, Austin, TX.

Kugler, K. C. (2013, May). *Expanding the toolbox: A new way of building more effective and efficient behavioral interventions*. Invited colloquium at Drexel University, Philadelphia, PA.

Presentations & Posters

Rivera, P. M., Bray, B. C., Kugler, K. C., Guastafarro, K., & Noll, J. G. (2018, November). *Linking patterns of substance use with sexual risk-taking among female adolescents with and without histories of maltreatment*. Poster presented at the annual meeting of the American Association for Marriage and Family Therapy, Louisville, KY.

Savage, J.F., Marini, M., Adams, E., & Kugler, K.C. (Submitted). Getting the MOST from your experimental design. Abstract submitted to Society for Nutrition, Education and Behavior annual meeting.

Kugler, K.C., Wyrick, D.L., Tanner, A.E., Milroy, J.M., Guastafarro, K.M., Ware, S., Thorpe, S. & Collins, L.M. (2018, May). Optimization of an online STI preventive intervention targeting college students. Organized poster presentation accepted for presentation at the Society for Prevention Research annual meeting, Washington, D.C.

Kugler, K.C. (2018, May). Optimization of behavioral interventions: Three real-world applications. Organized poster symposium accepted for presentation at the Society for Prevention Research, Washington, D.C.

Kugler, K.C., Tanner, A., Wyrick, D., Milroy, J., Chamber, B.D., Ma, A., & Collins, L.M. (2017, April). Using the multiphase optimization strategy to engineer an optimized STI preventive intervention among college students. Poster presented at the Association for Clinical and Translational Science annual meeting, Washington, D.C.

Reader, J.M., Kugler, K.C., Waterman, E.A., & Noll, J.G. (2016, October). Father-Figure Involvement Differentially Predicts Adolescents' Risky Sexual Behavior Depending on Experience of Child Sexual Abuse and the Identified Father-Figure. Poster accepted for presentation at the Society for Prevention Research, Washington, D.C.

Kugler, K. C. (2016, September). *Optimization of Online Behavioral Interventions Targeting College Students* accepted to be presented at the Society of Behavioral Medicine annual meeting, San Diego, CA. (March 2017).

Chambers, B., Tanner, A., Kugler, K.C., Ma, A., Wyrick, D., Milroy, J., Collins, L.M. (2016, October). *Hookups, alcohol use, and protective behavioral strategies among transgender college students*. Talk presented at the American Public Health Association annual meeting.

Tanner, A., Kugler, K.C., Chambers, B., Ma, A., Wyrick, D., Milroy, J., Collins, L.M. (2016, October). *Transitioning to college: Alcohol and hookups among first-year college students*. Poster presented at the American Public Health Association annual meeting.

- Kugler, K.C., Wyrick, D., Tanner, A., Milroy, J., Collins, L.M. (2016, April). The intersection of alcohol use and sexual risk behavior among college students: From conceptual model to scalable intervention with an eye towards optimization. Talk presented at the Society of Behavioral Medicine annual meeting, Washington, D.C.
- Kugler, K. C. (2016, April). *Optimization of Behavioral Interventions: Three Real-World Applications* Symposium presented at the Society of Behavioral Medicine annual meeting, Washington, D.C.
- Kugler, K. C., Balantekin, K., Birch, L.L., Savage, J.S. (2015, November). *Building a remotely-delivered responsive parenting intervention to prevent pediatric obesity among low-income families*. Poster presented at The Obesity Society annual meeting, Los Angeles, CA.
- Kugler, K. C., Savage-Williams, J., Rollins, B.Y., Birch, LL. (2013, November). *Psychosocial correlates of responsive feeding practices among low-income mothers: A structural equation modeling approach*. Poster presented at The Obesity Society annual meeting, Atlanta, GA.
- Kugler, K. C., Butera, N.M., Vasilenko, S.A., Coffman, D.L. (2013, May). *Causal effect of adolescent depression on later sexual risk behaviors and sexually transmitted infections*. Symposium presented at the Society of Prevention Research annual meeting, San Francisco, CA.
- Savage, J.S., Kugler, K. C., Marini, M., Birch, L. (2013, May). *Feasibility of using ecological momentary assessment to quantify feeding to soothe behavior among low-income mothers: A pilot study*. Poster presented at the Society of Prevention Research annual meeting, San Francisco, CA.
- Kugler, K. C., Collins, L. M., Trail, J. (2012, June). *Effect coding and dummy coding in analysis of variance: They are not always the same*. Poster presented at the Society of Behavioral Medicine annual meeting, New Orleans, LA.
- Kugler, K. C., & Collins, L. M. (2012, April). *Optimizing behavioral interventions*. Symposium presented at the Society of Behavioral Medicine annual meeting, New Orleans, LA.
- Kugler, K. C., Collins, L. M., Trail, J. (2012, April). *Effect coding and dummy coding in analysis of variance: They are not always the same*. Poster presented at the Society of Behavioral Medicine annual meeting, New Orleans, LA.
- Kugler, K. C., Collins, L. M., Trail, J. (2011, April). *Effect coding and dummy coding in analysis of variance: They are not always the same*. Presented at Penn State's Methodology Center Brown Bag Series, State College, PA.
- Kugler, K. C., Sieving, R., McMorris, B., Pettingell, S., Beckman, K., Secor-Turner, M. (2010, May). *Interim outcomes from Prime Time, a clinic-based intervention to reduce sexual risk behaviors among adolescent girls*. Poster presented at the Society for Prevention Research 18th annual meeting, Denver, CO.
- Kugler, K. C. Eisenberg, M. E., & Resnick, M.D. (2009, April). *Emotional health status and risky sexual behaviors among Minnesota youth: Trends across a decade*. Poster presented at the 23rd Annual Pediatric Research, Education and Scholarship Symposium, Minneapolis, MN.
- Kugler, K. C., Komro, K. A., Stigler, M. H., Mnyika, K. S., Masatu, M., Aastrom, A. N., & Klepp, K-I. (2007, May). *Assessing the etiology of sexual development among adolescents in Tanzania*. Poster presented at the Society for Prevention Research 15th annual meeting, Washington, DC.

- Kugler, K. C., Komro, K. A., Stigler, M. H., Mnyika, K. S., Masatu, M., Aastrom, A. N., & Klepp, K-I. (2006, November). *Assessing the etiology of sexual development among adolescents in Tanzania*. Poster presented at the American Public Health Association 134th annual meeting, Boston, MA.
- Kugler, K. C., Komro, K. A., Stigler, M. H., Mnyika, K. S., Masatu, M., Aastrom, A. N., & Klepp, K-I. (2006, May). *Sexual development among adolescents in Tanzania: A latent class analysis*. Poster presented at the Society for Prevention Research 14th annual meeting, San Antonio, TX.
- Kugler, K. C., Komro, K. A., & Perry, C. L. (2006, May). *Is the age of one's friends associated with ATOD use among inner-city 8th grade adolescents?* Poster presented at the Society for Prevention Research 14th annual meeting, San Antonio, TX.
- Kugler, K. C., Stigler, M. H., Farbakhsh, K., Komro, K. A., & Perry, C. L. (2005, May). *A comparison of intra-class correlations coefficients of drug-related behaviors between urban and rural intervention settings: Project Northland*. Poster presented at the Society for Prevention Research 13th annual meeting, Washington, DC.
- Kugler, K. C., Mnyika, K. S., Komro, K. A., Masatu, M., Astrom, A. N., Kessy, A., Leshabari, M. T., Helleve, A., & Klepp, K-I. (2005, May). *The reliability and validity of self-reported measures to evaluate adolescent HIV/AIDS prevention programs*. Poster presented at the Society for Prevention Research 13th annual meeting, Washington, DC.
- Kugler, K. C. (2004, November). *The reliability and validity of self-reported measures to evaluate adolescent HIV/AIDS prevention programs*. Presented at the Kahe Scientific Seminar, MUCHS, Dar es Salaam, Tanzania.
- Stigler, M. H., Kugler, K. C., Komro, K. A., Leshabari, M. T., & Klepp, K-I. (2004, May). *AIDS education for primary school children in Tanzania: A mediation analysis*. Poster presented at the Society for Prevention Research 12th annual meeting, Quebec City, Quebec, Canada.

Continuing Education Webinars

ASPPH AI into the Scholarship of Teaching and Learning. May 15, 2025.

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