

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Kimberly Henry

eRA COMMONS USER NAME (credential, e.g., agency login): KIMHENRY

POSITION TITLE: Professor

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Indiana University of Pennsylvania, Indiana, PA	BS	05/1994	Health and Exercise Science
Colorado State University, Fort Collins, CO	MS	05/1996	Health and Exercise Science
The Pennsylvania State University, College Park, PA	PhD	12/2002	Biobehavioral Health
Colorado State University, Fort Collins, CO	Postdoctoral Fellow	12/2003	Tri-Ethnic Center for Prevention Research
University of Colorado, Boulder, CO	Postdoctoral Fellow	07/2005	Institute for Behavioral Science
University of California, Los Angeles	Postdoctoral Fellow	05/2007	Prevention Science Methodology

A. Personal Statement

I am a prevention scientist with over 20 years of experience investigating the psychological and social determinants of health and well-being in adolescent and young adult populations. My research program is dedicated to developing and testing theoretical models that elucidate the complex interplay of risk, promotive, and protective factors influencing developmental trajectories. My foundational training in substance use prevention was supported by an NIDA-funded pre-doctoral fellowship at Penn State, followed by postdoctoral fellowships at the University of Colorado's Institute of Behavioral Science and Tri-Ethnic Center for Prevention Research. I further advanced my methodological expertise in advanced latent variable modeling under the mentorship of Dr. Bengt Muthén at UCLA.

A central theme of my work is identifying sources of resilience among vulnerable youth. I have served as a PI or Co-PI on numerous large-scale longitudinal studies, including the NIDA-funded **Rochester Intergenerational Study** and the ongoing **Our Youth, Our Future** project, which examines substance use epidemiology among American Indian adolescents. My research is highly applied, evaluating interventions ranging from youth mentoring programs and trauma-informed care for veterans to nationwide social media campaigns for cancer prevention. This work has been consistently supported by NIH, CDC, NSF, and private foundations like William T. Grant.

I am currently a Co-I on an NCI-funded project (R01CA268037, **#4Corners4Health**) that brings together four NCI-designated Cancer Centers to develop and test a social media intervention to promote cancer-preventive behaviors among rural emerging adults. I also serve as the lead biostatistician (Co-I) on another NCI trial

(R01CA254730, **CARES**) testing a community health worker intervention to improve the timeliness and quality of care for rural head and neck cancer patients. My methodological expertise—including multilevel structural equation modeling, growth modeling, and causal inference—is integral to these projects, enabling me to lead the design and analysis of complex prevention trials aimed at reducing significant public health disparities. My record of over 100 peer-reviewed publications in leading journals reflects this integration of substantive focus and analytical rigor.

B. Positions, Scientific Appointments, and Honors

Positions and Employment

2006 – present: Assistant to Full Professor (Psychology and Colorado School of Public Health), Colorado State University, Fort Collins, CO

Other Experience and Professional Memberships

2007 – present: Editorial Board, *Journal of Primary Prevention*

2010 – present: Editorial Board, *Journal of Youth and Adolescence*

2017 – present: Editorial Board, *Occupational Health Science*

2022 – present: Editorial Board, *Prevention Science*

2018 – 2021: Board of Directors, Society for Prevention Research

C. Contributions to Science

1. School Engagement as a Foundational Protective Factor Against Adolescent Risk Behaviors.

My research program established school engagement as a critical buffer against substance use and delinquency. My NIDA K01 award and subsequent work demonstrated that commitment to school, positive teacher-student relationships, and involvement in pro-social activities are potent protective factors.

- a. Henry, K. L., Stanley, L. R., & Swaim, R. C. (2024). Risk and promotive factors related to cannabis use among American Indian adolescents. *Prevention Science*, 25, 734-748.
- b. Henry, K.L., Stanley, L.R., & Swaim, R.C. (2024). Can high and consistent school-related protective factors prevent cannabis use among American Indian middle school students? *Journal of School Health*, 94, 138-147.
- c. Henry, K.L., Crabtree, M.A., Swaim, R.C., & Stanley, L.R. (2022). School-related promotive factors related to cannabis use among American Indian adolescents. *Journal of Youth and Adolescence*, 51(5), 1017–1029.
- d. Henry, K.L., Knight, K.E., & Thornberry, T.P. (2012). School disengagement as a predictor of dropout, delinquency, and problem substance use during adolescence and early adulthood. *Journal of Youth and Adolescence*, 41(2), 156-166.

2. Intergenerational Transmission of Substance Use and Mechanisms of Resilience.

A significant portion of my work investigates how substance use and related behaviors are transmitted across generations within families. Using data from the Rochester Intergenerational Study, my research focuses on identifying the mechanisms—such as parental age at first birth, offspring peer networks, and concurrent parental use—that explain both continuity and discontinuity in risk, providing insights for targeted prevention strategies.

- a. Lee, H., Augustyn, M.B., & Henry, K.L. (in press). Intergenerational influences of father-adolescent relationship quality: The role of parent-child relationships in the family of origin. *Journal of Youth and Adolescence*.
- b. Kerr, D. C. R., Owen, L. D., Henry, K. L., Capaldi, D. M., Tiberio, S. S., & Bailey, J. A. (2024). Prospective Intergenerational Associations between Parents' and Children's Illicit Substance Use During Adolescence. *Substance Use & Misuse*, 59(12), 1828–1832.

- c. Henry, K.L., Agbeke, D.V., Tiberio, S.S., Kerr, D.C.R., Capaldi, D.M., Bailey, J.A., & Epstein, M. (2021). Does parents' age at first birth moderate intergenerational continuity in early-onset cannabis use? *Journal of Studies on Alcohol and Drugs*, 82(4), 470-475.
- d. Henry, K.L., Fulco, C.J., Agbeke, D.V., & Ratcliff, A.M. (2018). Intergenerational continuity in substance use: Does offspring's friendship network make a difference? *Journal of Adolescent Health*, 63(2), 205-212.

3. The Long-Term Impact of Child Maltreatment and Disrupting Cycles of Risk.

In collaboration with CDC scientists, I have examined the devastating long-term consequences of child maltreatment on economic, social, and health outcomes. A key contribution of this work is identifying resilience-promoting factors—such as safe, stable, and nurturing relationships in adolescence and adulthood—that can mitigate these negative effects and disrupt intergenerational cycles of violence and disadvantage.

- a. Augustyn, M.B., Thornberry, T.P., & Henry, K.L. (2019). The reproduction of child maltreatment: An examination of adolescent problem behavior, substance use, and precocious transitions in the link between victimization and perpetration. *Development and Psychopathology*, 31(1), 53-71.
- b. Henry, K.L., Fulco, C.J., & Merrick, M.T. (2018). The harmful effect of child maltreatment on economic outcomes in adulthood. *American Journal of Public Health*, 108(9), 1134-1141.
- c. Henry, K.L., Thornberry, T.P., & Lee, R.D. (2015). The protective effects of intimate partner relationships on depressive symptomatology among adult parents maltreated as children. *Journal of Adolescent Health*, 57(2), 150-156.
- d. Thornberry, T.P., Henry, K.L., Smith, C.A., Ireland, T.O., Greenman, S.J. & Lee, R.D. (2013). Breaking the cycle of maltreatment: The role of safe, stable, and nurturing relationships. *Journal of Adolescent Health*, 53(4), S25-S31.

4. Rigorous Evaluation of Public Health Interventions Across Diverse Domains.

I have served as a lead methodologist and co-investigator on numerous NIH-funded intervention trials, applying innovative designs and sophisticated analytics to evaluate efficacy in cancer prevention, youth mentoring, and health promotion. My role ensures these studies accurately assess intervention impact, mechanisms of change, and implementation strategies.

- a. Buller, D. B., Buller, M. K., Meenan, R., Cutter, G. R., Berteletti, J., Henry, K. L., Kinsey, A., Adjei, I., & Chirico, N. (2015). Implementation of an occupational sun safety intervention: Comparison of two scalability strategies. *Journal of Occupational and Environmental Medicine*, 67(7), 498–506
- b. Buller, D.B., Pagoto, S., Baker, K., Walkosz, B.J., Hillhouse, J., Henry, K.L., ... (2021). Results of a social media campaign to prevent indoor tanning by teens: A randomized controlled trial. *Preventive Medicine Reports*, 22, 101382.
- c. Haddock, S.A., Weiler, L.M., Lee, H., Henry, K.L., ... (2020). Does organizing mentor-mentee matches into small groups enhance treatment effects in a site-based mentoring program for adolescents? *Journal of Youth and Adolescence*, 49(9), 1864–1882.
- d. Eakman, A.M., Schmid, A.A., Henry, K.L., ... (2017). Restoring Effective Sleep Tranquility (REST): A feasibility and pilot study. *British Journal of Occupational Therapy*, 80(6), 350-360.

5. Methodological Innovations for Applied Prevention Science.

A portion of my work involves developing and applying quantitative methods to address complex questions in prevention science. I have contributed to the literature on two-part models for semicontinuous data and multilevel latent class analysis, providing practical, accessible guidance for applied researchers in the social and health sciences.

- a. Henry, K.L., Tran, T., Agbeke, D.V., Lee, H., Williford, A., & Dziak, J.J. (2022). Two-part models for father-child relationship variables: Presence in the child's life and quality of the relationship conditional on some presence. *Journal of the Society for Social Work and Research*, 13(2), 409-430.
- b. Dziak, J.J., & Henry, K.L. (2017). Two-part predictors in regression models. *Multivariate Behavioral Research*, 52(5), 551-561.
- c. Henry, K.L., & Muthén, B.O. (2010). Multilevel latent class analysis: An application of adolescent smoking typologies with individual and contextual predictors. *Structural Equation Modeling*, 17(2), 193-215.
- d. Henry, K.L. & Slater, M.D. (2008). Assessing change and intraindividual variation: Multilevel and structural equation modeling approaches. In M.D. Slater, A. Hayes & L.B. Snyder (Eds.) *The Sage Handbook of Advanced Data Analysis Methods for Communication Research*. New York, NY: Oxford University Press.