

Alyna G. Summit, M.A.

Doctoral Candidate

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Education

Ph.D. Health Behavior; Minors: Epidemiology and Addictive Behavior Expected: 2026
GPA: 3.970 Indiana University | Bloomington, Indiana

M.A. Psychological Science 2021
GPA: 3.965 University of North Carolina Wilmington | Wilmington, North Carolina

Master's thesis: *Exploring modifiable risk factors of nonmedical prescription stimulant use among college undergraduates: A replication and extension*

B.A. Psychology; Minors: Sociology and Spanish (*Summa Cum Laude*) 2019
GPA: 4.0 University of North Carolina Wilmington | Wilmington, North Carolina

Honors thesis: *Assessing motive and gender as factors in college students' views of nonmedical prescription stimulant use*

Research Support

Primary Investigator 2024 – 2026
Evaluating the Association Between General Chronic Pain Liability and Clinically Recognized Substance Use
NIH/NIDA Pre-Doctoral Fellowship #F31DA061638
Total Costs: \$97,948

Pre-doctoral Trainee 2022 – 2024
Integrative Predoctoral Training in Drug Abuse Research at Indiana University
NIH/NIDA Institutional Training Grant #T32DA024628 (PIs: Mackie, Hohmann)
Indiana University

Honors and Awards

Best Abstract Finalist, Psychosocial Factors and Interventions Special Interest Group | 2024
US Association for the Study of Pain

Student Travel Award (\$1,900), Department of Applied Health Science | 2024
School of Public Health | Indiana University

Student Travel Award (\$550), Department of Applied Health Science | 2023
School of Public Health | Indiana University

Love of Learning Award (\$500), Phi Kappa Phi	2019
Cape Fear Area Psychological Association Award , Department of Psychology University of North Carolina Wilmington	2019
Williams Jackson Merit Psychology Scholarship (\$4,145), Department of Psychology University of North Carolina Wilmington	2017 – 2018
Dean’s List , University of North Carolina Wilmington	2016 – 2019

Publications

Manuscripts

- Summit, A. G.**, Lin, H., Wisner, K. M., Chen, C., Pettersson, E., Boersma, K., D’Onofrio, B. M., Lichtenstein, P., & Quinn, P. D. (2024). *Assessing the association between child maltreatment and chronic pain: A co-twin control approach*. Manuscript in preparation.
- Summit, A. G.**, Moseley, M. C., Chaku, N., Elam, K. K., Jacobs, W., Lederer, A. M., Vaughan, E. L., & Quinn, P. D. (2024). *Prevalence of pharmacotherapy for ADHD and prescription stimulant misuse: A national study of US college students*. Manuscript under review.
- Summit, A. G.**, Chen, C., Pettersson, E., Boersma, K., D’Onofrio, B. M., Lichtenstein, P., & Quinn, P. D. (2024). Preliminary validation of a general factor model of chronic overlapping pain conditions. *Journal of Pain*, 25(8), 104502. doi: 10.1016/j.jpain.2024.02.016.
- Chen, C., Pettersson, E., **Summit, A. G.**, Boersma, K., Chang, Z., Kuja-Halkola, R., Lichtenstein, P., & Quinn, P. D. (2023). Chronic pain conditions and risk of suicidal behavior: a 10-year longitudinal co-twin control study. *BMC medicine*, 21(1), 9. <https://doi.org/10.1186/s12916-022-02703-8>
- Summit, A. G.**, & Noel, N. E. (2023). Assessing motivations and gender as factors in college students’ views of nonmedical prescription stimulant use. *Journal of American College Health*, 71(5), 1497-1503. <https://doi.org/10.1080/07448481.2021.1942005>

Book Chapters

- Elam, K. K., Kutzner, J., Bettinger, S., Qin, W., & **Summit, A. G.** (2023). Polygenic Risk for Aggression and Developmental Links with Substance Use via Gene-Environment Interplay. In: Martin, C. R., Preedy, V. R., Patel, V. B. (Eds.), *Handbook of Anger, Aggression, and Violence* (pp. 1547-1565). Springer, Cham. https://doi.org/10.1007/978-3-031-31547-3_85

Published Abstracts

- Summit, A. G.**, Lin, H. C., Pettersson, E., Boersma, K., D’Onofrio, B. M., Lichtenstein, P., & Quinn, P. D. (2024). Assessing the Association Between Child Maltreatment and Chronic Widespread Pain Adjusting for Familial Confounding: A Co-Twin Control Approach. *The Journal of Pain*, 25(4), 58. <https://doi.org/10.1016/j.jpain.2024.01.269>

Summit, A. G. & Noel, N. E. (2021). Reaffirming the relationship between alcohol use frequency and amount and polydrug use among college undergraduates. *Alcohol: Clinical and Experimental Research*. 45(S1), 123A. <https://doi.org/10.1111/acer.14628>

Summit, A. G. & Noel, N. E. (2020). Drinking frequencies predict college students' views of nonmedical prescription stimulant use. *Alcohol: Clinical and Experimental Research*. 44(S1), 141A. <https://doi.org/10.1111/acer.14358>

Presentations

Invited Talks

Assessing the Association Between Child Maltreatment and Chronic Pain Adjusting for Familial Confounding: A Co-Twin Control Approach | The US Association for the Study of Pain Psychosocial Factors and Interventions Special Interest Group Meeting Spring 2024

Conference Symposia

Quinn, P. D., **Summit, A. G.**, Moseley, M. C., Chaku, N., Elam, K. K., Jacobs, W., Lederer, A. M., & Vaughan, E. L. (2024, April). *ADHD pharmacotherapy and risk of prescription stimulant misuse: A national study of college students*. In Quinn, P. D. (Chair), Using National Survey Data to Study Social and Contextual Processes in Early Adult Substance Use. Symposium conducted at Collaborative Perspectives on Addiction, Denver, CO.

Quinn, P. D., **Summit, A. G.**, Chen, C., & Pettersson, E. (2023, March). *Chronic non-cancer pain conditions and substance use problems: A prospective, population-based study*. In Groenewald, C. (Chair), Pain and Opioid Use: Diverse Methodology Linking Pain to Opioid Use and Substance Use Behaviors. Symposium conducted at Collaborative Perspectives on Addiction, Albuquerque, NM.

Chen, C., Pettersson, E., **Summit, A. G.**, Boersma, K., Chang, Z., Kuja-Halkola, R., Lichtenstein, P., & Quinn, P. D. (2022, June). *Chronic pain conditions and risk of suicidal behavior: A 10-year longitudinal co-twin control study*. Paper presented virtually at the meeting of the Behavior Genetics Association, Los Angeles, CA.

Poster Presentations

Chirica, M. G., **Summit, A. G.**, Chaku, N., Elam, K. K., Jacobs, W., Lederer, A. M., Vaughan, E. L., D'Onofrio, B. M., & Quinn, P.D. (2024, November). *A national study of Greek-life affiliation and suicidality among college students*. Association for Behavioral and Cognitive Therapies. Philadelphia, PA.

Summit, A. G., Lin, H. C., Pettersson, E., Boersma, K., D'Onofrio, B. M., Lichtenstein, P., & Quinn, P. D. (2024, April). *Assessing the association between child maltreatment and chronic widespread pain adjusting for familial confounding: A co-twin control approach*. Poster presented at the US Association for the Study of Pain, Seattle, WA.

Summit, A. G., Noel, N. E., & Quinn, P.D. (2023, March). *Similarities and differences in individual-level correlates of academic and recreational NMUPS*. Poster presented at the 11th annual Collaborative Perspectives on Addiction, Albuquerque, NM.

Summit, A. G., Quinn, P. D., Chen, C., & Pettersson, E. (2022, April) *Association of a general pain factor with opioid analgesic therapy: A national, longitudinal study*. Poster accepted for the 10th annual meeting of the Collaborative Perspective of Addiction, Portland, OR.

Summit, A. G. & Noel, N. E. (2021, November). *Energy drink consumption predicts future intentions to engage in nonmedical prescription stimulant use among college students*. Poster accepted for the 55th annual meeting of the Association for Behavioral and Cognitive Therapies, New Orleans, LA (virtual poster presentation due to COVID-19).

Rowland, S., **Summit, A. G.,** & Noel, N. E. (2021, November). *Interpretations of perpetrator alcohol use in rape myth acceptance*. Poster accepted for the 55th annual meeting of the Association for Behavioral and Cognitive Therapies, New Orleans, LA (virtual poster presentation due to COVID-19).

Summit, A. G. & Noel, N. E. (2020, November). *Motive and gender as factors in college students' views of nonmedical prescription stimulant use*. Poster accepted for the 54th annual meeting of the Association for Behavioral and Cognitive Therapies, Philadelphia, PA (virtual poster presentation due to COVID-19).

Research Experience

Lab Member | Pain Research Laboratory 2024 – Present
Department of Psychology | Indiana University Indianapolis
Advisor: Adam Hirsh, Ph.D.

- Participated and presented in weekly lab meetings

Lab Member | Developmental Psychopathology Lab 2021 – Present
Department of Psychological and Brain Sciences | Indiana University
Advisor: Brian D’Onofrio, Ph.D.

- Participated and presented in weekly lab meetings

Doctoral Student | Mechanisms of Substance Use Research Group 2021 – Present
Department of Applied Health Science | School of Public Health | Indiana University
Advisor: Patrick Quinn, Ph.D.

- Co-managed the research lab and mentored undergraduate research assistants
- Extracted and analyzed data from population-based health registers
- Implemented quantitative analyses using SAS and R Studio

Research Assistant Spring 2021
School of Nursing | University of North Carolina Wilmington
Advisor: Meen Hye Lee, Ph.D., RN

- Conducted literature reviews
- Revised manuscripts for resubmission

Master’s Student | Behavioral Examination of Alcohol, Caffeine and Health Lab 2019 - 2021

Department of Psychology | University of North Carolina Wilmington
Advisor: Nora Noel, Ph.D.

- Co-managed the research lab and mentored undergraduate research assistants
- Collected primary data among college students
- Created participant surveys using Qualtrics
- Implemented quantitative analyses using SPSS and R Studio

Graduate Assistant 2019 - 2020

Center for the Support for Undergraduate Research and Fellowships |
University of North Carolina Wilmington

- Printed large-scale research posters
- Led workshops on best practices for designing research posters
- Assisted with organizing undergraduate research showcases

Honors Thesis | Behavioral Examination of Alcohol, Caffeine and Health Lab 2018 - 2019

Department of Psychology | University of North Carolina Wilmington

Advisor: Nora Noel, Ph.D.

- Designed original research project
- Collected primary data among college students
- Implemented quantitative analyses using SPSS
- Defended thesis in front of Honors Committee

Research Assistant | Behavioral Examination of Alcohol, Caffeine and Health Lab 2017 - 2018

Department of Psychology | University of North Carolina Wilmington

Advisor: Nora Noel, Ph.D.

- Assisted with data collection and experimental measure implementation (e.g., The Affect Misattribution Procedures via PsychoPy)
- Gathered participant responses via recording equipment
- Transcribed qualitative data
- Extracted patient record data for Excel spreadsheets
- Presented a poster for the University of North Carolina Wilmington's Fall Student Research and Creativity Showcase
- Presented and critiqued research articles in weekly lab meeting discussions

Ethics Certifications

Human Research – Biomedical Researcher (Stage 1) 2022 – 2027

The Collaborative Institutional Training Initiative (CITI Program)

Human Research – Social/Behavioral Researchers (Stage 1) 2021 – 2026

The Collaborative Institutional Training Initiative (CITI Program)

Social and Behavioral Responsible Conduct of Research 2021

The Collaborative Institutional Training Initiative (CITI Program)

Human Research – Social/Behavioral Research Refresher Course 2019 – 2029

The Collaborative Institutional Training Initiative (CITI Program)

Human Research – Social/Behavioral Research Basic Course 2017 – 2027

Clinical Experience

Graduate Assistant 2020 - 2021
Crossroads: Alcohol and other Drug Prevention and Education Program |
University of North Carolina Wilmington

- Received training in harm reduction approaches to substance use (i.e., BASICS)
- Administered mandatory four-week one-on-one sessions to sanctioned college students
- Implemented motivational interviewing strategies for reducing substance use
- Reported on student outcomes and maintained student records

Teaching Experience

Instructor of Record

Psychology as a Science and Career (PSY 106) | Fall 2020 – Spring 2021
University of North Carolina Wilmington

Teaching Assistant

Writing in Public Health (SPH-H 360) | Indiana University Fall 2023 – Present

Stress Management (SPH-H 180) | Indiana University Summer 2023

Personal Health (SPH-H 263) | Indiana University Spring 2022

Introduction to Statistics for Behavioral Science (PSY 225) | Spring 2020
University of North Carolina Wilmington

Social Psychology (PSY 264) | University of North Carolina Wilmington Fall 2019

Invited and Guest Lectures

SPH-H 750: Professional Development | Indiana University Fall 2024
“Panel of senior PhD students: Words of wisdom, sage advice on wins and pitfalls.”

SPH-H 750: Professional Development | Indiana University Fall 2024
“Grants as a doctoral student: It’s never too early to be grant writing!”

SPH-H 318: Drug Use in American Society | Indiana University Fall 2022
“Substance Use Policy in the United States”

Memberships

Professional Organizations

Society of Addiction Psychology	2023 – Present
Association for Women in Science	2022 – Present
National Alliance for Mental Illness	2017 - 2019
<u>Honorary Societies</u>	
Phi Kappa Phi	2019 - 2020
Psi Chi International Honors Society	2017 - 2018
Phi Eta Sigma	2016 - 2017

Selected Media Coverage

Indiana University School of Public Health [Press Release] “Doctoral student awarded \$98k to jumpstart a research career on substance use and chronic pain”	September 2024
OUCH! Talking Pain with the US Association for the Study of Pain [Podcast] “2024 Annual Meeting: Poster Excerpts, Part 1”	June 2024

References

Patrick Quinn, Ph.D.
Associate Professor, School of Public Health, Department of Applied Health Science
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