**Curriculum Vitae**

**Jesus Chavarria, Jr., Ph.D.**

361 Windermere Road

London, Ontario, Canada, N6A 3K7

jchavarr@uwo.ca

**Education**

2014-2017**Florida State University**

 Tallahassee, Florida

*Degree*: Ph.D., Clinical Psychology, August, 2017

 *Dissertation Title*: The Role of Substance-Specific Subjective Effects in Predicting Drug of Choice and Substance Use Disorders

 *Major Professor*: Jeanette Taylor, Ph.D.

2016-2017 **University of Chicago Medical Center**

 Chicago, Illinois

APA Accredited Clinical Psychology Pre-Doctoral Internship

*Training Director*: Shona Vas, Ph.D.

*Research Mentor*: Andrea C. King, Ph.D.

2011-2014 **Florida State University**

Tallahassee, Florida

*Degree*: M.S., Clinical Psychology, April, 2014

 *Thesis Title*: Measuring Self-Regulation Depletion’s Effect on the Consumption of an Alcohol Placebo

 *Major Professor*: Jeanette Taylor, Ph.D.

2007-2009 **DePaul University**

 Chicago, Illinois

*Degree***:** B.A. with honors, June, 2009

 *Major* *Field*: Psychology

**Academic Appointments**

July 2022- **Assistant Professor,**

Present Department of Psychology, Western University

February 2019- **Postdoctoral Fellow / Scholar**

April 2022 Campbell Family Health Research Institute / Institute for Mental Health Policy Research, Centre for Addiction and Mental Health

July 2017- **Postdoctoral Fellow in Addictions Research**

February 2019 Department of Psychiatry and Behavioral Neuroscience, The University of Chicago

May 2015- **Assistant Director of Research and Data Management**

June 2016 Florida State University Psychology Clinic, Florida State University,

**Grants and Fellowships**

1. Florida Education Fund. McKnight Doctoral Fellowship. PI: Chavarria. Title: Measuring Self-Regulation Depletion’s Effect on the Consumption of an Alcohol Placebo. Award: $48,000 to cover tuition and stipend costs for three years of graduate training. Project Period: 8/1/2011-6/1/2014.
2. 4P50HD052120-10. NIH-NICHD. PI: Taylor. My role: Graduate research assistant. Title: Florida Twin Project on Reading, Behavior, and Environment. Stipend: $8,750. Project period: 8/1/2011-7/31/2012.
3. R01AA013746-14S1. NIH-NIAAA. PI: Chavarria. Title: Research Supplement to Promote Diversity in Health-Related Research. Total direct costs: $104,166. Project Period: 6/1/2017-1/30/2019. [Parent Grant – R01AA013746. PI: King – Alcohol Stimulation and Sedation in Binge Drinkers.]
4. Discovery Fund Postdoctoral Fellowship Competition. Centre for Addiction and Mental Health. Toronto, Ontario, Canada. PI: Chavarria. Title: Can Acute Alcohol Effects Serve as a Risk Factor for Alcohol Use Disorder and Internalizing Disorder Comorbidities? Total Direct Costs: $65,000 CAD. Project period: 2/4/2019-2/3/2020.
5. R21AA026035-02. NIH-NIAAA. PI: Hendershot & LeFoll. My role: Postdoctoral Scholar. Title: Role of Histamine H3 Receptors on Alcohol Responses. Stipend: $30,000 (CAD). Project period: 10/1/2020-4/30/2022.

**Honors and Awards**

June 2018 Research Society on Alcoholism Gordis Research Recognition Award (Postdoctoral). Title: *The ‘Light Side’ of Addiction: A Preliminary Study of Alcohol Reward Sensitivity in Young Adults with Alcohol Use Disorder*. Research Society on Alcoholism Annual Meeting 2018, San Diego, CA. Award: $1000.

February 2017 University of Chicago Diversity Research Award. Title: *Implementation and Evaluation of a Rolling Courage to Quit® Smoking Intervention.* Presented at the Society for Research on Nicotine and Tobacco’s 24th Annual Meeting, Baltimore, MD. Award: $1000.

November 2015 Florida State University Dissertation Award. Title: *The Role of Substance-Specific Subjective Effects in Predicting Drug of Choice and Substance Use Disorders.* Florida State University, Tallahassee, FL. Award: $670.

April 2015 Congress of Graduate Students Conference Presentation Award. Title: *Decomposing the Relationship between Anxiety Sensitivity and Alcohol Use: An Exposure Interfering Behavior*. Presented at the Anxiety and Depression Association of America Conference, Miami, FL. Award: $200.

April 2015 Graduate Research Development Award. Title: *Decomposing the Relationship between Anxiety Sensitivity and Alcohol Use: An Exposure Interfering Behavior*. Presented at the Anxiety and Depression Association of America Conference, Miami, FL. Award: $600

September 2014 Graduate Research Development Award. Title: *A Physiological Measurement of Self-Regulation Depletion*. Presented at the Society for Psychophysiological Research Conference, Atlanta, GA. Award: $600.

2007-2009 Dean’s List, DePaul University

**Peer Reviewed Publications**

1. Rakoff, J., **Chavarria, J.,** Hamilton, H.J., Elton-Marshall, T.(*in press*).Cross-sectional study of factors associated with suicide ideation in Ontario adolescents. *Canadian Journal of Psychiatry.*
2. **Chavarria, J.**, Fridberg, D., & King, A.C. (2022). Acute Alcohol Rewarding Effects as a Risk Factor for Hangover Frequency. *Addictive Behaviors, 129,* 107279.
3. **Chavarria, J.**, Wells, S., Elton-Marshall, T., & Rehm, J. (2021). Associations of antidepressant use with alcohol use and problem drinking: Ontario population data from 1999 to 2017. *Canadian Journal of Public Health, 112,* 919-926.
4. Brett, E.I, **Chavarria, J.**, Liu, M., Hedeker, D., & King, A.C. (2021). Effects of a brief motivational smoking intervention in non-treatment seeking disadvantaged black smokers. *Journal of Consulting and Clinical Psychology, 89,* 241-250.
5. **Chavarria, J.,** Fridberg, D.J., Obst, E., Zimmerman, U.S., & King, A.C. (2020). Subjective alcohol responses in high- and low-risk drinking adolescents: Results from the Dresden Longitudinal Study on Alcohol Use in Young Adults. *Addiction, 116,* 1716-1724.
6. **Chavarria, J.**,Ennis, C., Moltisanti, A., Allan, N.P., & Taylor, J. (2020)**.** Determining pathways to alcohol use consequences: A chained mediation approach. *International Journal of Mental Health and Addiction*.
7. Berry, B., Leeman, R.F., **Chavarria, J.**, & King, A.C. (2019). Relationships between generalized impulsivity and subjective stimulant and sedative responses following alcohol administration. *Psychology of Addictive Behaviors, 33,* 616-625.
8. **Chavarria, J**., Liu, M. Kast, L. Salem, E., & King, A.C. (2019). A pilot study of Counsel to QuitSM: evaluating an ask advise refer (AAR)-based tobacco cessation training for medical and mental health providers. *Journal of Substance Abuse Treatment, 99,* 163-170*.*
9. Bodell, L.P., Forney, K.J., **Chavarria, J.**, Keel, P.K., & Wildes, J.E. (2018). Self-report measures of loss of control over eating: Psychometric properties in clinical and non-clinical samples, *International Journal of Eating Disorder, 51,*1252-1260*.*
10. Moltisanti, A.J., Ennis, C.R., **Chavarria, J**., Smith, C.E., & Taylor, J. (2018). Multi-trait profiles and their relation to substance use problems and cluster B personality disorder features: A replication study, *Journal of Social and Clinical Psychology, 37,* 252-274.
11. **Chavarria, J.**, Rueger, S.Y., & King, A. (2018). Hangover in post college-aged drinkers: Psychometric properties of the Hangover Symptom Scale (HSS) and the Hangover Symptom Scale – Short Version (HSS-5). *Alcoholism: Clinical and Experimental Research, 42,* 1122-1131.
12. Raines, A.M., **Chavarria, J.,** Allan, N.P., Short, N.A., & Schmidt, N.B. (2017)*.* Hoarding and alcohol use: The mediating role of emotion dysregulation. *Substance Use and Misuse, 52,* 1684-1691.
13. Albanese, B.J., Allan, N.P., Boffa, J.W., **Chavarria, J**., Raines, A.M., Zvolensky, M.J., & Schmidt, N.B. (2016). Suicidality prospectively predicts greater urges to smoke following a cessation attempt: Mediation through perceived barriers to cessation. *Journal of Affective Disorders, 190*, 221-226.
14. Cougle, J.R., Hakes, J.K., Macatee, R.J., **Chavarria, J.,** & Zvolensky, M.R. (2016). Probability and correlates of dependence among regular users of alcohol, nicotine, cannabis, and cocaine: Concurrent and prospective analyses of the National Epidemiological Survey on Alcohol Related Conditions (NESARC). *Journal of Clinical Psychiatry, 77,* 444-450.
15. **Chavarria, J.**, Allan, N.P., Boffa, J.W., Albanese, B.J., Zvolensky, M.J., & Schmidt, N.B. (2015). Decomposing the relationship between anxiety sensitivity and alcohol use. *Journal of Studies on Alcohol and Drugs, 76.* 957-961.
16. **Chavarria, J.,** Allan, N., Moltisanti, A., & Taylor, J. (2015). The effects of present hedonistic time perspective and past negative time perspective on substance use consequences. *Drug and Alcohol Dependence, 152,* 39-46*.*
17. Cougle, J.R., Hakes, J.K., Macatee, R.J., **Chavarria, J.,** &Zvolensky, M.J. (2015). Quality of life and risk of psychiatric disorders among regular users of alcohol, nicotine, and cannabis: An analysis of the National Epidemiological Survey on Alcohol and Related Conditions (NESARC). *Journal of Psychiatric Research, 66,* 135-141*.*
18. Oglesby, M.E., Albanese, B.J., **Chavarria, J.**, & Schmidt, N.B. (2014). Intolerance of uncertainty in relation to motives for alcohol use. *Cognitive Therapy and Research, 39,* 356-365*.*
19. Mikolajewski, A.J., **Chavarria, J.,** Moltisanti, A, Hart, S.A., & Taylor, J. (2014). Examining the factor structure and etiology of prosociality. *Psychological Assessment, 26,* 1259-1267*.*
20. **Chavarria, J.,** Stevens, E.B., Jason, L.A., & Ferraro, J.R. (2012). The effects of self-regulation and self-efficacy on substance use abstinence. *Alcoholism Quarterly, 30,* 422-432.

**Invited Paper Presentations, Grand Rounds, and Roundtable Discussions­­­**

1. **Chavarria, J.**, Vena, A., Rehm, J.T., Wells, S., King, A.C. (February, 2020). *Subjective Alcohol Responses in Typical and High-Intensity Binge Drinkers*, Department of Psychiatry Grand Rounds, Centre for Addiction and Mental Health, Toronto, ON Canada.
2. **Chavarria, J**., Wells, S., Rehm, J.T., King, A.C. (October, 2019). *The Role of Subjective Alcohol Effects on Depressive Symptomatology*. Institute for Mental Health Policy Research Division Meeting at the Centre for Addiction and Mental Health, Toronto, ON Canada.
3. King, A.C., Vena, A., **Chavarria, J.**, Cao, D., McNamara, P. (June, 2019). *A Longitudinal Framework of Alcohol Subjective Responses in Drinkers Developing AUD.* Research Society on Alcoholism Annual Meeting, Minneapolis, MN.
4. **Chavarria, J**., Cao, D., McNamara, P., King, A.C. (June, 2018). *The ‘Light Side’ of Addiction: A Preliminary Study of Alcohol Reward Sensitivity in Young Adults with Alcohol Use Disorder,* Gordis Award Postdoctoral Finalist Oral Presentation at the Research Society on Alcoholism Annual Meeting, San Diego, CA.
5. **Chavarria, J.**, Rueger, S., & King, A.C. (January, 2018). *Measuring Hangovers in Post-College Aged Adults: The Psychometric Properties of the HSS & HSS-5,* Monthly meeting of the Integrative Training in the Neurobiology of Addictive Behaviors program, University of Chicago Medical Center, Chicago, IL.
6. **Chavarria, J.** (January, 2017). *The Effects of Culture and Psychological Comorbidity on Patient Care,* Department of Psychiatry and Behavioral Neuroscience Grand Rounds, University of Chicago Medical Center, Chicago, IL.
7. **Chavarria, J.** (October, 2014). *Substance Abuse and Addiction,* Undergraduate Abnormal Psychology Guest Lecture, Florida State University, Tallahassee, FL.
8. Rodriguez, S., Walker, J., Boddapati, S., **Chavarria, J.,** Droege, J., Gomez, D., Luna, R., Navarro, E., Runion, H., Thompson, E., Mueller, D., & Jason, L. (October, 2010). *Community Engagement in Research: Challenges and Triumphs.* Roundtable discussion presented at the 2010 Midwest Ecological-Community Psychology Conference, Urbana, IL.
9. Boddapati, S., Thompson, E., **Chavarria, J.,** Gomez, D., Navarro, E., Rodriguez, S., Runion, H., Walker, J., Droege, J., Jason, L., & Kinoti, E. (October, 2010). *Oxford House and Substance Abuse: Utilizing Methodological Pluralism in Community Based Research.* Roundtable presented at the 2010 Midwest Ecological-Community Psychology Conference, Urbana, IL.
10. Jason, L.A., Reyes, K.O., Aase, D.M., Mueller, D.G., Walt, L., Hunter, B., Harvey, R., Stevens, E., Washington, L., Timpo, P., Harris, C., Bachrach, J., Marez, S., Beasley, C., Olson, B., Angulo, R., Trutabatisky, B., Czarlinski, J., **Chavarria, J.,** Majer, J., & Ferrari, J.R. (May, 2009). *Empowering Communities to Deal with Addiction, Poverty, Homelessness, and Crime.* Roundtable discussion presented at the SCRA affiliated meeting of the Midwestern Psychological Association, Chicago, IL.

**Poster Presentations at National and Local Scientific Conferences**

1. Liu, M., Miloslavich, K., **Chavarria, J.**,King, A.C. (March, 2020). Comparing Cigarette Purchase Patterns between Two Minority Urban Populations. Poster to be presented at the Society for Research on Nicotine and Tobacco, New Orleans, LA.
2. King, A.C., **Chavarria, J.**, Liu, M., Hedeker, D., & Goniewicz, M. (December, 2019). An RCT of a Targeted Smoking Cessation Intervention versus Treatment as Usual in African American Smokers: Self-Report and Objective Responses via Tobacco-Specific Nitrosamine Levels. Poster Presented at Annual Meeting of the American College of Nueropsychopharmacology, Orlando, FL.
3. **Chavarria, J.** & King, A.C. (April, 2019). The Role of Acute Alcohol Effects on Hangover Frequency. Poster Presented at the National Institute of Health Diversity Supplement Professional Development Workshop, Bethesda, MD.
4. Howe, M., McNamara, P., **Chavarria, J.**, & King, A.C. (February, 2019). Comparison of Alcohol-Induced Smoking Urge in Heavy Drinking and Alcoholic Young Adults. Poster presented at the Society for Research on Nicotine and Tobacco, San Francisco, CA.
5. Liu M.A., **Chavarria, J.**, & King, A.C. (February, 2019). Impact of a Brief Motivational Intervention on Smoking Outcomes and NRT Beliefs in African American Smokers. Poster presented at the Society for Research on Nicotine and Tobacco, San Francisco, CA.
6. Miloslavich, K., **Chavarria, J.**, Vena, A., & King, A.C. (February, 2019). Smoking Behavior Following Exposure to Tank-Based Electronic Delivery System Cue. Poster presented at the Society for Research on Nicotine and Tobacco, San Francisco, CA.
7. Liu, M.A., Faria, J., **Chavarria, J.**, King, A.C. (February, 2019). Lozenge vs. Patch: Which is More Acceptable in African American Smokers. Poster presented at the Society for Research on Nicotine and Tobacco, San Francisco, CA.
8. **Chavarria, J.,** Cao, D., McNamara, P., King, A.C. (June, 2018). The ‘Light Side’ of Addiction: A Preliminary Study of Alcohol Reward Sensitivity in Young Adults with Alcohol Use Disorder. Poster presented at the Research Society on Alcoholism Annual Scientific Meeting, San Diego, CA.
9. **Chavarria, J.,** Rueger, S.Y., & King, A.C. (June, 2018). Assessing Hangover Among Post-College Aged Individuals: Psychometric Support for the HSS-5. Poster presented at the Research Society on Alcoholism Annual Scientific Meeting, San Diego, CA.
10. **Chavarria, J.,** Howe, M., Fridberg, D.J., Isaerlsohn, E., King, A.C. (February, 2018). Implementation and Evaluation of a Rolling Courage to Quit® Smoking Intervention. Poster presented at the Society for Research on Nicotine and Tobacco Annual Meeting, Baltimore, MD.
11. **Chavarria, J.**, Ennis, C. R., Moltisanti, A.J., Allan, N.P., & Taylor, J. (November, 2015). The Role of Emotion Dysregulation and Impulsivity on Alcohol Use Consequences. Poster presented at the Association for Behavioral and Cognitive Therapies Conference, Chicago, IL.
12. **Chavarria, J.,** Allan, N.P., Boffa, J.W., Albanese, B.J., Zvolensky, M.J., & Schmidt, N.B. (April, 2015). Decomposing the relationship between anxiety sensitivity and alcohol use: An exposure interfering behavior. Poster presented at the Anxiety and Depression Association of America Conference, Miami, FL.
13. **Chavarria, J., &** Taylor, J. (September, 2014). A physiological measurement of self-regulation depletion. Poster presented at the Society for Psychophysiological Research Conference, Atlanta, Georgia.
14. **Chavarria, J.** Allan, N., & Taylor, J. (April, 2014). The mediating effect of Present Hedonistic Time Perspective on the relationship between Past Negative Time Perspective and problematic substance use. Poster presented at the Department of Psychology Graduate Research Day, Florida State University, Tallahassee, Florida.
15. **Chavarria, J.,** Norr, A. M., & Taylor, J. (May, 2013). The effects of gender and self-regulation on problematic alcohol and drug use. Poster presented at the Department of Psychology Graduate Research Day, Florida State University, Tallahassee, Florida.
16. Halik, M., **Chavarria, J.,** Czarlinski, J., Aase, D., & Jason, L.A. (May, 2009). *An Initial Qualitative Examination: Eating Behavior and Recovery Home Supports.* Poster presented at SCRA affiliated meeting of the Midwestern Psychological Association, Chicago, IL.

**AD HOC Journal Reviews**

2022- American Journal of Drug and Alcohol Abuse

2021- Tobacco Control

2019- Psychological Assessment

2019- Psychology of Addictive Behaviors

2019- PLOS One

2018- Addiction

2018- Alcoholism: Clinical and Experimental Research

2018- Behavioral Brain Research

2017- Neuropsychopharmacology

2017- Drug and Alcohol Dependence

2017- Family Medicine and Community Health

**Teaching Experience**

Summer 2021 **Instructor,** Department of Psychology,Western University

 *Course*: Clinical Psychology

 *Duties*: Created syllabus, lectures, and exams for 36 person course on clinical psychology including origination, theory, techniques, and empirical support for different psychotherapeutic methods. Discussed basic clinical research methodology.

Fall 2019 **Guest Lecturer**, Department of Psychology, Western University

*Course*: Abnormal Psychology

 *Duties*: Prepared and taught a 1.5-hour lecture on substance use disorders for a class of 85 students, including diagnostic criteria, clinical features, prevalence, course, and empirically supported treatments.

June 2017- **Supervisor*,*** Clinical Addictions Research Laboratory, University of Chicago

January 2019 *Duties*:Created lectures on the DSM-5 Mood and Substance Use Disorders and SCID-5 administration for laboratory research assistants. Provided weekly group and individual supervision of diagnostic assessments for research purposes. Also provided mentorship to laboratory research assistants on study design and implementation, manuscript writing, statistical techniques for data analysis, and preparing for graduate school applications and training.

Fall/Spring **Instructor,** Department of Psychology, Florida State University

2015 *Course*: Clinical and Counseling Psychology

 *Duties*: Created syllabus, lectures, and exams and lectured a 75 person course on clinical and counseling psychology including origination, theory, techniques, and empirical support for different psychotherapeutic methods. Discussed basic clinical research methods.

Spring 2014 **Guest Lecturer**, Department of Psychology, Florida State University

*Course*: Abnormal Psychology

 *Duties*: Prepared and taught a 1.5-hour lecture on substance use disorders for a class of 77 students, including diagnostic criteria, clinical features, prevalence, course, and empirically supported treatments.

**Students & Trainees Mentored**

Jan 2018- Krista Miloslavich, B.A. (*Post-baccalaureate research assistant*)

Feb 2019 Current Position: Clinical psychology Ph.D. student at University of Illinois Chicago

April 2018- Erick Giger, B.A. (*Post-baccalaureate research assistant*)

Feb 2019

Nov 2017- Melissa Liu, B.A. (*Post-baccalaureate research assistant*)

Dec 2018 Current Position: Clinical psychology Ph.D. student at Indiana University-Purdue University Indianapolis

Jun 2017- James Faria, B.A. (*Post-baccalaureate research assistant*)

Nov 2018

Jun 2017- Meghan Howe, B.S. (*Post-baccalaureate research assistant*)

Feb 2019 Current Position: Clinical psychology Ph.D. student at Rosalind Franklin University

Sep 2012- Caitlyn Smith, (*Undergraduate/post-baccalaureate research assistant*)

Jun 2014 Current Position: Clinical Psychology Ph.D. from Oklahoma State University

Sep 2012- Jose Garza, (*undergraduate psychology student*)

Dec 2013

**Other Training Experiences**

*Multilevel Modeling for Longitudinal Data* (7/14/2021-7/16/2021)

Given by: Aidan Wright, Ph.D. Associate Professor, Psychology

University of Pittsburgh, Pittsburgh, PA

*Effective Writing in the Biological Sciences* (4/17/2018-6/4/2018)

Given by: Tracy Weiner, Ph.D. Senior Associate Director of the University of Chicago Writing Program

University of Chicago, Chicago, IL

*Bi-Weekly Addiction Seminar* (8/2017-12/2018)

Given by: Integrative Training in Addiction T32 Faculty

University of Chicago, Chicago, IL

*Longitudinal Structural Equation Modeling* (6/25/2018-6/29/2018)

Given by: Daniel Bauer, Ph.D. & Patrick Curran, Ph.D. Professors, Psychology

University of North Carolina Chappell Hill, Chappell Hill, NC

*Courage to Quit Leader Training* (7/13/2016)

Given by: Emily Zadikoff, MPH. Senior Manager of Tobacco Initiatives

Respiratory Health Association, Chicago, IL

*Motivational Interviewing Training* (5/10/2015-5/13/2015)

Given by: Therese Kemper, Ph.D. (MINT)

Florida State University, Tallahassee, FL

*Cognitive Behavioral Analysis System of Psychotherapy Training* (1/10/13-1/13/13)

Given by: Martina Belz, Ph.D.

Florida State University, Tallahassee, FL

**Professional Affiliations**

Society for a Science of Clinical Psychology (2018-*present*)

Research Society on Alcoholism (2017-*present*)

Society for Research on Nicotine and Tobacco (2018-*present)*

American Association for the Advancement of Science (2016-*2019*)

Association for Psychological Science (2016-*2018)*

**Community Involvement/Outreach Activities & Service Involvement**

Committee Member: Research Society on Alcoholism Diversity Committee’s Subcommittee on Increasing Diversity at the Annual Meeting. (September, 2021 -Present)

Committee Member: 2022 RSA Conference Planning Committee, Research Society on Alcoholism, Orlando, FL (August, 2021-June 2022)

Mentor & Organizer: Trainee Research Symposium Series, Centre for Addiction and Mental Health, Toronto, ON, Canada (April, 2019-Present)

Eighth Grade Smoking Prevention Lecture at the University of Chicago Laboratory School, Chicago, IL (May, 2018)

Data management for the Respiratory Health Association, Chicago, IL (November, 2017-June2018)

Member & Mentor: Committee of Psychology Students for Diversity, Florida State University, Tallahassee, FL (September, 2011-March, 2016)

**Selected Media Appearances**

Hickok, K. (2022, March). How To Cure a Hangover, According To Science. *Popular Mechanics.* [Magazine Article]. <https://www.popularmechanics.com/science/health/a39453654/how-to-cure-a-hangover-according-to-science/>

Schultz, K., Mauricio, C., & Datil, A. (2021, December). Claim that hangovers get worse with age needs context. *Health Verify.* [Syndicate News Program]. <https://www.wgrz.com/article/news/verify/health-verify/hangovers-worse-age-context/536-495c8256-f8b7-47fb-839c-35a75f62bdc6>

**Computer Skills**

Microsoft Office Suite

SPSS

MPLUS version 8.0

HLM version 7.0

STATA version 15

PRISM GraphPad 8

**References**

Available upon request.