

2021-	<p>National Institute of Drug Abuse (R01 DA053250) <i>Pending</i> <u>Marijuana Legalization and Substance Use Among Racial, Ethnic, and Sexual Minorities</u> Role: Data Analyst Mentor (PI: Renee Johnson, Ph.D., Gregory Phillips II, Ph.D.) This project examines whether marijuana legalization is associated with increased substance use and associated co-morbidities among Black, Latinx, and sexual minority adolescents using the pooled Youth Risk Behavior Survey (YRBS).</p>
2020-	<p>National Institute on Alcohol Abuse and Alcoholism (R01 AA029044) <i>Pending</i> <u>Intersectional Approaches to Population-Level Health Research: Role of HIV Risk and Mental Health in Alcohol Use Disparities among Diverse Sexual Minority Youth</u> Role: Data Analyst Mentor (PI: Gregory Phillips II, Ph.D.)</p>

This project examines jurisdictional and temporal associations with alcohol use and disparities incorporating an intersectional lens; event-level associations between alcohol use classes, HIV vulnerability, and mental health; and the impact of structural level factors that influence alcohol use and other health outcomes in diverse sexual minority youth, using the pooled YRBS.

2020- **National Institute on Alcohol Abuse and Alcoholism (R21 AA028385) *Pending***
Health Disparities among Transgender Students in the United States: Results from the Youth Risk Behavior Survey (YRBS)

Role: Data Analyst

Mentor (PI: Lauren Beach, Ph.D., Sari Reisner, Ph.D.)

This project evaluates disparities in health by transgender identity among U.S. youth in partnership with the Center for Disease Control and leading transgender health researchers.

2019- **National Institute on Alcohol Abuse and Alcoholism (R01 AA024409)**
Role of Alcohol Disparities in HIV Risk among Sexual Minority Youth

Role: Data Analyst

Mentor (PI: Gregory Phillips II, Ph.D.)

This project examines differences between sexual minority youth and their heterosexual peers on alcohol use and other factors that place them at risk for HIV infection, using the pooled YRBS.

SELECTED PUBLICATIONS

Peer Reviewed Publications (Alphabetically)

Curry C, Felt D, Beach LB, Ruprecht M, **Wang X**, Phillips II G. (2020). Lifetime asthma prevalence and correlates among U.S. youth by sexual identity and race/ethnicity, 2009-2017. American Journal of Public Health, (0), e1-e8.

Poteat VP, Birkett M, Turner B, **Wang X**, & Phillips II G. (2020). Changes in victimization risk and disparities for heterosexual and sexual minority youth: trends from 2009 to 2017. Journal of Adolescent Health, 66(2), 202-209.

Phillips II G, Felt D, Ruprecht MM, **Wang X**, Xu J, Perez-Bill E, Bagnarol R, Roth J, Curry C, Beach LB. (2020). Addressing the disproportionate impacts of the COVID-19 pandemic on sexual and gender minorities in the United States. LGBT Health.

Phillips II G, McCuskey D, Felt D, Curry C, Ruprecht M, **Wang X**, Beach LB. (2020). Association of HIV education with HIV testing and sexual risk behaviors among U.S. youth, 2009-2017. Prevention Science.

Phillips II G, Turner B, Felt D, Marro R, **Wang X**, Ruprecht M, Broschart J, Beach LB. (2020). Alcohol use and suicidality by sexual orientation among US youth, 2009–2017. American Journal of Preventive Medicine.

Manuscripts under Review

Adams BJ, Turner B, **Wang X**, Marro R, Miller E, Phillips II G, Coulter R. Associations between LGBTQ-affirming school climate and intimate partner violence victimization among adolescents.

Aguayo L, Beach LB, **Wang X**, Ruprecht MM, Felt D, Kershaw K, Davis M, Phillips II G. Someone to talk to: mentoring relationships are associated with reduced odds of suicidality among US high school students.

Cheung E, Kwok I, Ludwig, A, **Wang X**, Basti, N, Addington E, Maletich C, Moskowitz, J. Development of a positive emotion regulation skills program (LAVENDER) for addressing stress, burnout and depression in medical students.

Felt D, Turner B, **Wang X**, Ruprecht MM, Beach LB, Philbin M, Birkett M, Phillips II G. Differential decline in drug use by sexual identity among United States high school students, 2005-2017.

Phillips II G, **Wang X**, Ruprecht MM, Felt D, McCuskey D, Stephens R, Perez-Bill E, Beach LB. Differential alcohol use disparities between sexual minority and majority high school students by identity and behavior.

Philbin M, **Wang X**, Feaster D, LaBossier N, Phillips II G. LGBT-affirming school policy climates and sexual health outcomes among high school students in the United States: Differences by gender and sexual identity.

Reisner S, Beach LB, Turner B, Ruprecht MM, Felt D, **Wang X**, Phillips II G. Sleep disparities by gender identity and gender expression in the 2017 Youth Risk Behavior Survey (YRBS).

Ruprecht MM, **Wang X**, Felt D, Beach LB, Phillips II G. Intersection of vaping and cigarette smoking in sexual and gender minority teens.

Streed CG, Turner B, Beach LB, Marro R, Felt D, **Wang X**, Phillips II G. Predictors of youth carrying weapons to school: 2009-2015 Youth Risk Behavior Surveillance System.

Wang X, Ruprecht MM, Felt D, Hoffman H, Phillips II G. Prevalence of non-suicidal self-injury and drinking co-occurrence among adolescents in the United States from 2005 to 2017: an intersectional perspective.

TRANSLATED BOOKS IN PROGRESS

Positive Psychologists on Positive Psychology. Translated by Translator Wang, X et al. (2020).

SELECTED CONFERENCE PRESENTATIONS

Under Review

Wang X, Ruprecht M, Hoffman H, Phillips II G. Application of multinomial logistic regression to model the relationship between alcohol use classes and non-suicidal self-injury among sexual

minority youth. American Public Health Association Annual Meeting and Expo (APHA), 2020, San Francisco, CA.

Wang X, Shi K, Xu W, Huo S. County-level risk factors associated with COVID-19 mortality rate in the United States. American Public Health Association Annual Meeting and Expo (APHA), 2020, San Francisco, CA.

Accepted

Aguayo L, **Wang X**, Beach LB, Ruprecht MM, Felt D, Davis MM, Phillips II G. Mentorship, cyberbullying and suicide attempts among US high school students. The Pediatric Academic Societies (PAS), 2020, Philadelphia, PA.

Coleman J, Beach JB, Felt D, **Wang X**, Ruprecht MM, Phillips II G. Forced sex experiences and HIV testing in sexual minority and majority youth, YRBS 2009-2017. (2019). The Second Annual Institute for Public Health and Medicine (IPHAM) Population Health Forum. Chicago, IL.

Ruprecht M, **Wang X**, Felt D, Beach LB, Phillips II G. Non-suicidal self-injury in sexual minority youth: an exploration of disparities using the 2009-2017 YRBS. The 16th Annual Lewis Landsberg Research Day, Chicago, IL.

Shenkman J, **Wang X**, Ruprecht MM, Beach LB, Phillips II G. Breaking down the other category: an examination of sexual violence among indigenous sexual minority youth. The 16th Annual Lewis Landsberg Research Day, Chicago, IL.

Wang X, Beach LB, Phillips II G. Adolescents on the margins: exploring alcohol use among high school students in US at the intersections of sex, race/ethnicity and sexual orientation. The 16th Annual Lewis Landsberg Research Day, Chicago, IL.

Wang X, Armenta M, Dajani R, Decety J. Reading and Empathy: A literary-based intervention on promoting children's empathic concern, American Psychological Association (APA) Convention 2019, Chicago, IL.

Wang X, Mizrahi M, Reis H. Culture difference in the effect of capitalization process on romantic relationships, National Conference on Undergraduate Research, Oklahoma, OK; Undergraduate Research Expo at the University of Rochester, 2018, Rochester, NY.

Wang X, Kolla A, Tokowicz N. (2016). How bilinguals process shared translation pairs, Presented at 2016 Student Research Poster Session, University of Pittsburgh, PA, USA.

DISSERTATION/THESIS

Wang X. (2019). Reading and Empathy: A literary-based intervention on promoting children's empathic concern. Masters Thesis. Division of the Social Sciences, University of Chicago.

Wang X. (2018). Culture difference in the effect of capitalization process on romantic relationships. Undergraduate Honors Thesis. University of Rochester.

RESEARCH EXPERIENCE

- 2019- **Institute for Sexual and Gender Minority Health and Wellbeing (ISGMH) Evaluation, Data Integration and Technical Assistance (EDIT) Northwestern University**
Principal Investigator: Gregory Phillips II, Ph.D.
- Led several manuscripts on suicidality and self-harming behaviors among marginalized populations
 - Analyzed data for a variety of projects using advanced methods including multilevel modeling, latent class analysis and random forest
 - Drafted publishable manuscripts, grant sections and posters on population-based disparities in suicidality/substance use and associated contextual factors
 - Started building a database interactive visualization tool using R Shiny
- 2018-2019 **The Moskowitz Lab, Northwestern University**
Principal Investigator: Judith Moskowitz, Ph.D.
- Coauthored manuscript on the effect of a positive emotion regulation skill program on stress, burnout and depression among medical students
 - Drafted search protocol for a systematic review on interventions targeting physician burnout
 - Responsible for participant recruitment, measure testing, and pilot studies for an online positive emotion intervention for caregivers of patients with Alzheimer's Disease and chronic pain
- 2018-2019 **Child Neurosuite, University of Chicago**
Principal Investigator: Jean Decety, Ph.D.
- Conducted independent research on literary intervention to improve children's empathy and prosocial behaviors
 - Assisted with family recruitment, electroencephalography experiment, and data analysis on children's sharing behaviors associated with brain activity
- 2016-2018 **Rochester Center for Research on Children and Families University of Rochester**
Principal Investigator: Patrick Davis, Ph.D.
- Coded and analyzed videos of family dynamics to investigate marital conflicts in co-parenting associated with children's emotional insecurity
 - Attended group meeting to discuss family psychology topics, such as parenting behaviors and children's internalizing and externalizing behaviors

PROFESSIONAL LEADERSHIP/INVOLVEMENT

The MGH Center for Cross-Cultural Student Emotional Wellness, Volunteer (2020-)
US-China Health Summit, Volunteer (2020-)
Northwestern University International Student Support Group, Cofounder and Facilitator (2019-)
Northwestern University Chinese Student and Scholar Association, Vice President (2019-)
Shanghai Mental Health Center, Visiting Research Assistant/Volunteer (2017)
Duke Kunshan University, Residential Counselor (2016)

PROFESSIONAL MEMBERSHIPS

American Public Health Association
American Psychological Association
 Division 53 (Clinical Child & Adolescent)
American Statistical Association
 Mental Health Statistics Section
Association for Psychological Science
Psi Chi International Honor Society

PROFESSIONAL SKILLS

Statistical Techniques: Multilevel Modeling, Longitudinal Analysis, Machine Learning
Statistical Software: SAS, MPlus, R, STATA, SPSS, SQL, Tableau
Programming Languages: Python, Javascript, HTML
Laboratory: Electroencephalography, Skin Response Devices
Language: Native in Mandarin, Conversational Abilities in French and Korean
Github Page: <https://github.com/KrystalWang070?tab=repositories>