

Krystal (Xinzi) Wang

xinzi.wang@northwestern.edu | (585) 500-0710 | 625 N Michigan | Chicago, IL

SKILLS & INTERESTS

- Interests: Adolescent, Alcohol Use, Suicide/Non-suicidal Self Injury, Intersectionality, Methodology
- Technical skills: SAS, STATA, R, Python, Pandas, JavaScript, SQL, Tableau, Web development, Machine Learning
- Research Skills: Run physiological and behavioral studies, code interviews, review literature, analyze longitudinal dataset with multi-level modeling, latent class analysis, survival analysis and deep learning models, prepare IRB Protocols/Grant, write manuscripts and present at conferences
- Relevant Courses: Statistical Applications, Biostatistical Methods, Big Data, Global Mental Health
- Languages: Native in Mandarin Chinese, Fluent in English, Conversational abilities in French and Korean
- Github Page: <https://github.com/KrystalWang070?tab=repositories>
- Personal Website: TBD

EDUCATION

University of Chicago

Chicago, IL

M.A. in the Social Sciences, Psychology, GPA:3.77/4.00

June 2019 (Expected)

Master's Thesis: Reading and Empathy: A literary-based intervention on promoting children's empathic concern

Advisor: Jean Decety, Ph.D

Recipient of Merit-Based Scholarship of Two-Thirds Tuition

University of Rochester

Rochester, NY

B.A. in Psychology with Distinction, Honors and Magna Cum Laude

May 2018

B.A. in Econometrics and Quantitative Economics with Distinction, GPA:3.84/4.00

May 2018

Honors Thesis: Culture difference in the effect of capitalization process on romantic relationships

Advisors: Moran Mizrahi, Ph.D and Harry Reis, Ph.D

Recipient of Barth-Crapsey Undergraduate Research Awards (\$530)

ADDITIONAL TRAINING

Northwestern University

Chicago, IL

Data Science BootCamp

October 2019 - May 2020

Duke University

Raleigh, NC

Machine Learning Summer Camp

Summer 2016

University of Pittsburgh

Pittsburgh, PA

Coursework in Economics, Statistics and Psychology, GPA:3.90/4.00

January 2015 - May 2016

PUBLICATIONS & MANUSCRIPTS (Alphabetically)

Publications (Accepted)

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* (in press).

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, 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* (in press).

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* (in press).

Publications (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. *Journal of Adolescent Health*.

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. *JAMA Pediatrics*.

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. *Medical Education Online*.

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. *LGBT Health*.

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). *Sleep Health*.

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. *Journal of Interpersonal Violence*.

Updated May 2020

Manuscripts (In Preparation)

- Beach LB, Duncan D, Curry C, Ruprecht MM, **Wang X**, Turner B, Felt D, Carnethon M, Phillips II G. Sleep Disparities by Sexual Identity and Race/Ethnicity in a Geographically Diverse Sample of High School Aged Youth.
- Beach LB, Han Y, Bayson C, Turner B, Hoffman H, Felt D, Marro R, Feinstein B, **Wang X**, Phillips II G. Disparities in Diabetes Risk among High School Youth by Intersecting Racial/Ethnic and Sexual Minority Identities.
- Curry C, Felt D, Beach LB, **Wang X**, Phillips II G. Asthma remission disparities among U.S. Youth by Sexual Identity and Race/Ethnicity, 2009-2017.
- Coleman J, Beach LB, **Wang X**, Felt D, Ruprecht MM, Phillips II G. The impact of forced sex experiences on HIV Testing among sexual minority and majority youth, YRBS 2009-2017.
- Felt D, Ying H, Ruprecht MM, **Wang X**, Beach LB, Phillips II G. "Not Sure About 'Not Sure' - Addressing Uncertainty in Measurement of Sexual Identity Within the Youth Risk Behavior Survey".
- Johnson R, Boon D, **Wang X**, Ruprecht M, Beach LB, Brighthaupt SC, Schneider K, Phillips II G. Trends in heroin use and injection drug use among high school students in five urban school districts in the US (2005-2017).
- Johnson R, Boon D, **Wang X**, Beach LB, Powell T, Linton S, Ruprecht M, Phillips II G. Prevalence of opioid use among US high school students in 17 urban school districts (2017).
- Philbin M, Hatzenbuehler M, **Wang X**, 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.
- Phillips II G, **Wang X**, Ruprecht MM, Costa D, Beach LB, Janulis P. Associations Between HIV Testing Consent Laws and HIV Testing Rates Among U.S. High Schoolers.
- 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.
- Veldhuis C, Paschen-Wolff MM, Hughes T, Turner B, Evertt B, **Wang X**, Phillips II G. Intersectionality in the associations between sexual and dating violence and alcohol outcomes among sexual minority and majority female youths using the Youth Risk Behavior Survey.
- Vu-Augier de Montgrémier, M., **Wang X**, & Chen, J. *Anorexie en chine: Psychopathologie, facteurs culturels et transculturels*. Unpublished Manuscript. Hôpital Cochin (Hôpitaux Universitaires Paris Centre), Paris, France.
- Wang X**, Ruprecht MM, Hoffman H, Beach LB, Phillips II G. Different classes of alcohol use and non-suicidal self-injury outcomes among high school students in the United States, 2005-2017.
- Wang X**, Ruprecht MM, Hoffman H, Beach LB, Phillips II G. Applying intersectionality framework to examine alcohol use disparities among high school students, 2009-2017.

Manuscripts (Thesis)

- Wang X**, Armenta, M., Dajani, R., & Decety, J. (2019). Reading and Empathy: A literary-based intervention on promoting children's empathic concern. *Master's Thesis*. Division of the Social Sciences, University of Chicago.
- Wang X**, Mizrahi M., & Reis, H. (2018). Culture difference in the effect of capitalization process on romantic relationships. *Honors Thesis*. University of Rochester.

PRESENTATIONS & CONFERENCES (Alphabetically)

Posters (Accepted)

- Aguayo L, **Wang X**, Beach LB, Ruprecht MM, Felt D, Davis MM, Phillips II G. (2020). Mentorship, cyberbullying and suicide attempts among US high school students. *The Pediatric Academic Societies (PAS)*. 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. (2020). 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. (2020). 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**, Phillips II G. (2020). Multinomial logistic application in alcohol use and suicide outcomes among sexual minority youth in the U.S. *The Joint Statistical Meetings (JSM)*. Philadelphia, PA.
- Wang X**, Beach LB, Phillips II G. (2020). 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. (2019). *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. (2018). *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*, 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.

Updated May 2020

Posters (Under Review)

Wang X, Ruprecht M, Hoffman H, Phillips G. (2020). 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)*. San Francisco, CA.

RESEARCH EXPERIENCE

Department of Medical Social Sciences, Northwestern University, Feinberg School of Medicine **Chicago, IL**
Data Analyst | Mentor: Gregory II Phillips, Ph.D, MPH July 2019-Present

- Worked as a full-time data analyst on R01AA024409 grant from NIAAA. This project utilizes data from the CDC's Youth Risk Behavior Survey (YRBS) to assess alcohol use disparities across jurisdictions and time points. We pooled local YRBS data from 2005 through 2017 for jurisdictions that measured sexual minority status to investigate jurisdictional and temporal associations. We also conducted additional studies to identify structural factors that may influence alcohol use, and to study event-level associations between alcohol use and risky sexual behaviors
- Also examined other health behaviors and health disparities between heterosexual and minority youth, such as other substance uses (opioid, marijuana and smoking), mental health outcomes (suicidality, non-suicidal self-injury, sadness), HIV-related sexual behaviors (condom use, lifetime partners), and other health behaviors (sleep, asthma, bullying). My role is to work on multiple manuscripts with external and internal researchers to ensure completion of data analyses, quality of manuscript writing and dissemination of research work at local and national conferences
- Helped with R01AA024409 grant resubmission and covid-19 grant submission (drafted analysis plan sections)

Department of Medical Social Sciences, Northwestern University, Feinberg School of Medicine **Chicago, IL**
Clinical Research Assistant | Mentor: Judith Moskowitz, Ph.D, MPH and Elaine Cheung, Ph.D. January 2019-June 2019

- Prepared for grant and journal submission
- Drafted search protocol and prepared for systematic review of research studies on interventions for physicians' burnout
- Assisted with recruitment, measure testing and pilot studies for LEAF 2.0 and LARKSPUR projects, which are online interventions for caregivers of individuals with Alzheimer's Disease and chronic pain patients for stress management and positive emotion enhancement
- Will be trained as a facilitator to hold one-on-one online treatment sessions in LEAF 2.0 project

Project STEP, Rochester Center for Research on Children and Families **Rochester, NY**
Research Assistant | Mentor: Patrick Davis, Ph.D Sept 2017-June 2018

- Coded and analyzed videos of family dynamics; Investigated effect of marital conflicts on children's emotional security
- Discussed literature reviews on pathways through couple interaction, parenting behaviors, to children's internalizing and externalizing behaviors, analyzed a variety of papers in family psychology during weekly group meetings

Social Development and Family Processes Research Group, University of Rochester **Rochester, NY**
Research Assistant | Mentor: Judith Smetana, Ph.D Sept 2016-Dec 2016

- Designed pilot study for research on how social power dynamics influence people's judgments in social conflicts
- Ran 150 participants for the computer-based task

PLUM Lab, Learning and Development Research Center, University of Pittsburgh **Pittsburgh, PA**
Research Assistant | Mentor: Natasha Tokowicz, Ph.D Dec 2014-May 2016

- Attended weekly group meetings; Led literature discussion on cognitive process during bilingual language learning stage
- Presented poster on at Department of Psychology Poster Session

CLINICAL WORK EXPERIENCE

Northwestern University International Student Support Group **Chicago, IL**
Cofounder and Facilitator September 2019-present

- Founded the first support group for Chinese students at Northwestern University and initiated activities in at least two quarters, which held more than 50 students to discuss communication skills, mental health, cultural difference and resilience.
- Tailored the program to covid-19 specific in spring quarter to help students go through the pandemic
- Developed psychoeducation programs beyond the support group to disseminate basic psychology knowledge

The MGH Center for Cross-Cultural Student Emotional Wellness **Boston, MA**
Volunteer September 2019-present

- Translated alcohol use fact sheet from English to Chinese for dissemination purpose
- Compiled Covid-19 racism fact sheet related to racism/xenophobia against Asian American population including resources and helpful responses for education and prevention purposes

Shanghai Mental Health Center **Shanghai, China**
Visiting Research Assistant (Volunteer) May 2017-Aug 2017

- Interviewed patients with Eating Disorders and their families for the research topic on the influence of cultural difference on the underlying mechanism of family's functioning in eating disorder and contributed to the manuscript

Updated May 2020

- Translated therapy materials for multi-family therapy activities (family flowing game) to Mandarin version, which were designed by Stanford University and University of California, Los Angeles
- Observed, discussed and analyzed different forms of psychological treatments (individual therapy, group therapy and family therapy for depression, anxiety, obsessive-compulsive disorder, eating disorder and schizophrenia patients) to improve and develop well-established treatments for patients

KnowYourself (Biggest online platform based in China for psychology knowledge dissemination) **Beijing, China**
North American Campus Ambassador and Professional Counselor (Paid Part-Time) Sept 2017-Sept 2018

- Replied 200 messages/day left by people with psychological difficulties on the biggest online psychology platform in China (with around 1.9 million followers)
- Assisted patients with mild to severe mental health issues and engaged in suicide prevention
- Promoted the platform on North American campus to disseminate scientific psychology knowledge and connected international students to get access to mental health services

Duke Kunshan University **Kunshan, China**
Residential Counselor (Paid Full-Time) Jul 2016-Aug 2016

- Designed variety of creative evening and weekend activity (e.g. university scavenger hunt, gratitude expression contest, debates, yoga, and egg painting) for 80 talented high school students to encourage them to embrace diversity, support surrounding communities, strengthen leadership, make healthy lifestyle choices and foster creativity via arts
- Supervised and mentored 10 students (9 to 12 grades) in terms of their academic and residential life
- Rated 4.9/5.0 in student/employee satisfaction survey; Received return offer as next year's honored residential counselor
- Developed a new intelligent programme "Escape Room" that focus on brainstorming to get clues for breaking out the classroom, which has been listed as one of the most creative programs

REFERENCES (Alphabetically)

Gregory Phillips, Ph.D

Assistant Professor of Medical Social Sciences and Preventive Medicine, Northwestern University
Director, Evaluation, Data Integration, and Technical Assistance (EDIT)
Co-Director, CFAR Ending the HIV Epidemic SWG
Glp2@northwestern.edu | (312)-503-3447

Jean Decety, Ph.D

Irving B. Harris Distinguished Service Professor, Department of Psychology and Department of Psychiatry
Director of the Child Neurosuite, University of Chicago
decety@uchicago.edu | (773) 834-3711

Lauren B. Beach, Ph.D

Research Assistant Professor in the Department of Medical Social Sciences, Northwestern University
Associate Director of the Evaluation, Data Integration, and Technical Assistance (EDIT)
lauren.beacah@northwestern.edu | (312)-503-5427

Morgan Philbin, Ph.D (TBD)

Assistant Professor of Sociomedical Sciences at Columbia University's Mailman School of Public Health
mp3243@columbia.edu | (212)-342-2804

Reis Harry, Ph.D

Professor of Psychology and Dean's Professor in Arts, Sciences, and Engineering, University of Rochester
harry.reis@rochester.edu | (585) 275-8697

Renee Johnson, Ph.D (TBD)

Associate professor of mental health at the Johns Hopkins Bloomberg School of Public Health
rjohnson@jhu.edu |

Robert D. Gibbons, Ph.D

Blum-Riese Professor of Biostatistics, Department of Medicine, Public Health Sciences, and Psychiatry
Director of Center for Health Statistics, University of Chicago
rdg@uchicago.edu | (773) 834-8692