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I. ACADEMIC AND PROFESSIONAL PREPARATION:

A. Education:

<u>Institution and Location</u>	<u>Degree</u>	<u>Date Received</u>	<u>Major</u>
Washington State University Spokane, WA	Postdoctoral Research Associate	2017	Substance Use & Health Disparities
Washington State University Pullman, WA	PhD	2016	Experimental Psychology
Washington State University Pullman, WA	MS	2011	Experimental Psychology
Washington State University Pullman, WA	BS	2008	Psychology

B. Certification: N/A

C. Professional and Educational Experience:

<u>Date Employed</u>	<u>Employer and Location</u>	<u>Position/Responsibilities</u>
2018-present	Washington State University College of Nursing Spokane, WA	Assistant Professor
2018	Washington State University College of Nursing Spokane, WA	Assistant Research Professor
2017	Washington State University IREACH, College of Medicine Spokane, WA	Post-Doctoral Researcher
2015-2016	Washington State University College of Nursing Spokane, WA	Instructor
2014-2016	Washington State University Department of Psychology Pullman, WA	Graduate Instructor

II. SCHOLARLY ACTIVITIES:

A. Research, Grants, and Contracts

1. Grants Submitted and Funded (7 active, 17 total)

R34MH129332 (Oluwoye) \$688,500 05/01/2022-04/30/2025

Family Peer Navigator for Psychosis: Increasing Access and Initial Engagement in Coordinated Specialty Care Programs for Racial and Ethnic Minorities (NIMH)

We will develop a culturally informed Family Peer Navigator for Psychosis model for racial and ethnic minority youth and their families, and evaluate its acceptability, feasibility, and appropriateness in coordinated specialty care programs.

Role: Co-Investigator

K01DA051780 (PI: Burduli) \$17,453 02/01/21–06/30/2021

Administrative supplement to: Effective Caregiving for Neonatal Abstinence Syndrome: Development of an Instructional Mobile Technology Platform for High-Risk Pregnant Women (NIDA)

This supplement will support my Mentored Research Scientist Development Award (K01) project and its associated increased costs while I am on maternity leave.

Role: Principal Investigator

R01 PAR-18-559 (PI: McPherson) \$2,349,829, 05/1/21-04/3/26

Contingency Management for Heavy Drinkers on Smoking Cessation (NCI)

This project seeks to replicate and extend our previous findings, which demonstrate that applying CM to target the use of alcohol can produce non-targeted reductions in smoking. Given the synergistic neurochemical and behavioral relationship between alcohol and tobacco use, confronting this relationship with a synergistic therapy should provide an effective dual treatment.

Role: Co- Investigator/Biostatistician

R01AG071677 (Co-PIs: Barbosa-Leiker, Suchy-Dicey) \$1,715,880, 06/01/21–03/30/24

Psychological risk factors, quality of life, community, and brain aging in American Indians: The Strong Heart Study (NIA)

The goal of this study is to test the longitudinal relationship among stress, depression, and substance use with cognitive performance using the NIH Toolbox Cognition Battery and establish normative standards for the NIH Toolbox Cognition Battery specific to AI adults

Role: Co-Investigator/Statistician

K01DA051780 (PI: Burduli) \$827,038, 07/01/20–06/30/2025

Effective Caregiving for Neonatal Abstinence Syndrome: Development of an Instructional Mobile Technology Platform for High-Risk Pregnant Women (NIDA)

This Mentored Research Scientist Development Award (K01) will build upon my previous training and allow me to pursue training goals of becoming an independent investigator with an established program of research by completing a project to adapt an existing mobile Neonatal Abstinence Syndrome (NAS) tool for high-risk pregnant women and assess its usability, acceptability, and feasibility in a small randomized controlled trial. It also provides career development and training activities that will enhance my expertise in the development, implementation, and testing of interventions for perinatal women using substances.

Role: Principal Investigator

R01 PA-19-055 (PI: McPherson) \$2,407,796, 09/01/20-08/31/25

Zonisamide for the Treatment of Alcohol Use Disorder in the Addiction Neuroclinical Assessment Framework (NIAAA)

The goal of this study is to complete a double-blind, placebo-controlled RCT to evaluate the ability of Zonisamide (ZON) to significantly decrease alcohol use among treatment-seeking AUD adults. This project focuses on the efficacy of a promising pharmacotherapy for AUDs using a placebo-controlled design that will rigorously measure alcohol use and medication adherence.

Role: Co- Investigator/Biostatistician

Grant Number Not Available (Burduli) \$8,900 01/01/18–12/31/23
Maternal Risk Factors and Birth Outcomes in Washington State (Washington State University Health Equity Research Center)

The aim of this HERC pilot grant is to examine the relationship between spatial access to birth center/hospitals and maternal-childbirth outcomes across the state of Washington.

Role: Principal Investigator

2. Grants Under Review (2)

Grant Number Not Available (PI Johnson; **WSU Site PI Burduli**) Re-submitted 09/2022
Novel Stigma Approach for Clinicians Supporting NAS Patients (NIDA)

This project will be developing and pilot testing an online stigma educational tool for medical providers that serve perinatal women receiving opioid use treatment and their infants experiencing opioid withdrawal.

Role: WSU Site PI/MPI

Grant Number Not Available (PI Johnson) Submitted 09/2022
Mother Infant Dyad Support for Transitional Care (NIDA)

The project will test the implementation of a Neonatal Abstinence Syndrome transitional care platform called “Mother Infant Dyad Support for Transition” (MIDST) to address specific needs of the mother-infant dyad affected by substance use disorder.

Role: Co-I

3. Completed Grant Support (10)

Number Not Available (Co-PIs: Willoughby, Barbosa-Leiker) \$30,000, 07/01/20-12/30/21
Development and testing of a health communication risk reduction campaign to decrease marijuana use during pregnancy (ADARP)

This exploratory pilot project funded from Washington State’s Alcohol and Drug Abuse Research Program (ADARP) is developing, market testing, and running a pilot mixed methods evaluation for a risk reduction campaign on perinatal marijuana use that uses behavioral modeling tailored to rationale for use (i.e., chronic pain, recreational use) and compare it to informational messages.

Role: Co-Investigator

Number Not Available (Co-PIs: Brooks, Barbosa-Leiker) \$25,000, 12/16/19-06/30/21
Perceptions of pregnant and postpartum American Indian women on cannabis use during pregnancy (ADARP)

This exploratory pilot project is funded from Washington State’s Alcohol and Drug Abuse Research Program (ADARP) Dedicated Marijuana Account (DMAc). Generated from the salient experiences of American Indian pregnant and parenting women who use cannabis we will describe perceptions of risks and benefits of cannabis use for pregnant and postpartum women and their infants. We will also describe perceptions of how community factors such as culture, accessibility and legality impact cannabis use.

Role: Co-Investigator

P60AA026112 (Co-PIs: Burduli, Barbosa-Leiker) \$38,774, 04/08/19-12/30/20
Real-time Breathalyzer Monitoring and Contingency Management for Alcohol Use in Native American Indian women (NIAAA)

This exploratory pilot project funded from NIAAA's Native Center for Alcohol Research and Education (NCARE) Research Education Program is testing the feasibility of contingency management with mobile alcohol monitoring to reduce alcohol use among AI pregnant and postpartum women as an adjunctive treatment to a home visitation program.

Role: Co-Principal Investigator

Grant Number Not Available (McDonell) \$600,000 09/01/17–09/01/20
Rising Strong Regional Partnership: Family Centered Treatment with Housing (DHHS Administration for Children and Families)

This will be an evaluation of the Rising Strong intervention, an intervention designed to house families at risk for losing their children because of parental drug and alcohol use.

Role: Co-Investigator

P30AG059295 (PI: Barbosa-Leiker) \$26,327, 02/01/19-06/30/20
Sex Differences in Associations Among ADRD, Depression, and Quality of Life in AIs (NIA)

This exploratory pilot project funded from NIA's Native Alzheimer's Disease-related Resource Center in Minority Aging Research (NAD-RCMAR) Research Education Program and Pilot Project titled is testing the psychometric properties of several health measures in a large cohort of elderly AIs and examining associations between those measures across sex and over time.

Role: Co-Investigator

Grant Number Not Available (Barbosa-Leiker, Gartstein) \$8,000 01/01/18–01/30/20
From Pregnancy to Parenthood on Medication Assisted Treatment for Opioid Use Disorders (WSU Office of Research)

The purpose of this study is to examine barriers and facilitators for staying on medication assisted treatment during the transition from pregnancy to parenthood and to examine infant temperament and mother-infant interactions at 2 months postpartum.

Role: Co-Investigator

Grant Number Not Available (Johnson, McPherson) \$335,000 09/25/17-06/30/20
Neonatal Abstinence Syndrome (NAS) Primer, Reference and Decision Support Tool (NIDA)

The primary goal of this work is to develop and beta test a mobile assessment tool of neonatal abstinence syndrome among hospital providers.

Role: Biostatistician

Grant Number Not Available (Co-PIs: Barbosa-Leiker, Gartstein) \$25,000 11/28/17–06/30/19
Cannabis use during pregnancy: first look at effects on maternal-child health (Washington State University Alcohol and Drug Abuse Research Program)

The goal of this study is to identify perceptions of risks and benefits of cannabis use in the prenatal and postpartum phases (study 1). Addiction-related functional impairment (medical, employment, alcohol, drug, psychological, legal, and family/social issues), infant temperament, and mother-infant interactions will be compared for women that used cannabis daily vs. occasionally while pregnant (study 2).

Role: Co-Investigator

P20MD006871(McPherson, Buchwald) \$6,713,841, 02/01/17-02/28/19
Behavioral health collaborative for rural American Indian communities (NIMHD)

This exploratory Center of Excellence seeks to establish a Behavioral Health Collaborative for Rural American Indian Communities that will facilitate research, training, and community outreach

activities throughout the Pacific Northwest region of the United States in rural American Indian communities.

Role: Postdoctoral Research Associate and analyst

II. SCHOLARLY ACTIVITIES:

B. Scholarly Communications/Electronic Publications:

1. Faculty Initiated Refereed Articles

† Senior author, * Student author, [non-database indicated at the end of the reference]

Published (38)

38. **Burduli, E.**, *Winqvist, A., Lederhos Smith, C., Brooks, O., *Chiou, M., *Balsiger, D., Shogan, M., McPherson, S. M., Barbosa-Leiker, C., Jones, H. E. (2022). Preparing for the Postpartum Period: Impressions from Perinatal Women and Providers on Effective Maternal Care and Caregiving of Neonatal Abstinence Syndrome. *American Journal of Drug and Alcohol Abuse*. DOI: 10.1080/00952990.2022.2122483
37. Barbosa-Leiker, C., **Burduli, E.**, *Arias-Losado, R., Muller, C., Noonan, C., Suchy-Dicey, A., Nelson, L., Verney, S., Montine, T., & Buchwald, D. (2022). Testing Gender and Longitudinal Measurement Invariance of the SF-36 in American Indian Adults: The Strong Heart Study. *Psychological Assessment*, 34(9), 870–879. <https://doi.org/10.1037/pas0001153>.
36. *Merritt, E., **Burduli, E.**, Purath, J., Smart, D. (2022). Pregnancy with Substance Use Disorders- Exploring Provider Perceptions. *The American Journal of Maternal Child Nursing*. Volume 47(5), 2880293. doi: 10.1097/NMC.0000000000000843.
35. Barbosa-Leiker, C., Brooks, O., Lederhos Smith, C., **Burduli, E.**, Gartstein, M. (2021). Healthcare Professionals' and Budtenders' Perceptions of Cannabis Use During Pregnancy. *The American Journal of Drug and Alcohol Abuse*, 15:1-9. doi: 10.1080/00952990.2021.1988091. Epub ahead of print. PMID: 34779673.
34. **Burduli, E.**, Jones, H., Johnson, K. R., Barbosa-Leiker, C., Roll, J., McPherson, S. (2021). Development and Implementation of a Mobile Technology for High-Risk Pregnant Women to Deliver Effective Caregiving for Neonatal Abstinence Syndrome: Mixed Methods Study Protocol. *JMIR Research Protocols*. 15;10(4):e27382. doi: 10.2196/27382. PMID: 33856360. [non-database].
33. **Burduli, E.**, Barbosa-Leiker, C., Sattler, V., *Vossen, J. (In Press). Measurement invariance across gender and time of the center for epidemiological study-depression scale. *Journal of Nursing Measurement*.
32. Miguel, A., Smith, C., **Burduli, E.**, Roll, J., McPherson, S.M. (2021). Validating the clinical relevance of alternative stimulant use treatment outcome measures by examining their association with 3-month follow-up outcomes. *Experimental and Clinical Psychopharmacology*, 29(3), 288–293. <https://doi.org/10.1037/pha0000482>
31. Smith, C.L., Waters, S., *Spellacy, D., **Burduli, E.**, Brooks, O., *Ranjo, S., McPherson, S., Barbosa-Leiker, C. (2021). Substance use in pregnant women during the COVID-19

- pandemic. *Journal of Reproductive and Infant Psychology*. 17:1-14. doi: 10.1080/02646838.2021.1916815. Epub ahead of print. PMID: 33870821.
30. Barbosa-Leiker, C. Smith, C.L., Crespi, E., Brooks, O., **Burduli, E.**, *Ranjo, S., Carty, C., Hebert, L., Waters, S., Gartstein, M. Stress, coping, and resources needed during the COVID-19 pandemic in a sample of perinatal women. (2021). *BMC Pregnancy and Childbirth*, 21, 17. <https://doi.org/10.1186/s12884-021-03665-0>.
 29. Barbosa-Leiker, C., **Burduli, E.**, *Arias-Losado, R., Muller, C., Noonan, C., Suchy-Dicey, A., Nelson, L., Verney, S., Montine, T., & Buchwald, D. Gender Differences in the Assessment of Depression in American Indian Older Adults: The Strong Heart Study. (2021). *Psychological Assessment*, 33(6), 574–579. <https://doi.org/10.1037/pas0001024>
 28. Fonseca, M. L., Mattar, G. P., Haddad, G. G., **Burduli, E.**, McPherson, S.M., Guilhoto, D. F., Yassuda, M.S., Busatto, G. F., Bottino, M. C., Hoexter, M. Q., Chaytor, N. S. (2021) Neuropsychiatric symptoms of Alzheimer's disease in Down syndrome and its impact on caregiver distress. *Journal of Alzheimer's Disease*. doi: 10.3233/JAD-201009. Epub ahead of print. PMID: 33749644.
 27. Brunelli, V., **Burduli, E.**, Schenk, E. (2021). The Importance of Measuring Nurses' Perceptions of Electronic Documentation: An International Collaboration. *Journal of Nursing Measurement*, 1;29(1):3-5. doi: 10.1891/JNM-D-21-00011. [non-database].
 26. Miguel, A., Smith, C., **Burduli, E.**, Roll, J., McPherson, S.M. (2021). Long-term functioning to provide empirical support for the clinical relevance of treatment outcomes for methamphetamine use disorders. *Journal of Substance Abuse Treatment*. DOI:<https://doi.org/10.1016/j.jsat.2021.108291>
 25. McDonell, M. G., Skalisky, J., **Burduli, E.**, *Hirschak, K., Foote, A., Granbois, A., Herron, J., Ries, R., Barbosa-Leiker, C., Buchwald, D., Roll, J., McPherson, S. (2021). The rewarding recovery study: A Randomized Controlled Trial of Incentives for Alcohol and Drug Abstinence in a Rural American Indian Community. *Addiction*. DOI: 10.1111/add.15349
 24. Schenk, E., Demorest, S., Cook, C., **Burduli, E.** (2021). Climate, Health and Nursing Tool (CHANT): Initial Survey Results. *Public Health Nursing Research*, 38(2):152-159. doi: 10.1111/phn.12864. PMID: 33427325.
 23. Brunelli, V., Schenk, E., **Burduli, E.** (2021). Validating the Nurses' Perceptions of Electronic Documentation Scale in a Cross-sectional Sample of Registered Nurses in Australia: A Confirmatory Factor Analysis. *Journal of Nursing Measurement*, 1;29(1):6-20. doi: 10.1891/JNM-D-20-00007. PMID: 33602791.
 22. Suchy-Dicey, A., Noonan, C., **Burduli, E.**, Mateen, F., Longstreth, W. T., Buchwald, D. S., Navas-Acien, A. (2020). Urinary arsenic and cadmium associations with findings from cranial MRI: the Strong Heart Study. *Environmental Health Perspectives*, 128(12), <https://doi.org/10.1289/EHP6930>
 21. Lederhos Smith, C., Jenkins, G., **Burduli, E.**, Tham, P., Miguel, A., Roll, J., McPherson, S. (2020). Crossover Associations of Alcohol and Smoking, Craving and Biochemically Verified Alcohol and Nicotine Use in Heavy Drinking Smokers. *Behavioral Pharmacology*, 2020 Oct; 31(7): 702–705. doi: 10.1097/FBP.0000000000000568

20. **Burduli, E.**, Lederhos Smith, C., *Tham, P., Shogan, M., Johnson, K. R., McPherson, S. (2020). Development and Application of a Primer and Reference Assessment Tool for Neonatal Abstinence Syndrome: A Phase I Pilot Study. *Contemporary Clinical Trials*. <https://doi.org/10.1016/j.conctc.2019.100494>
19. Barbosa-Leiker, C., **Burduli, E.**, Lederhos Smith, C., Brooks, O., Orr, M., Gartstein, M. (2020). Daily Marijuana Use During Pregnancy in a State with Legalized Recreational Marijuana. *Journal of Addiction Medicine*, 14(6), 467:474. Doi: 10.1097/ADM.0000000000000625
18. Booth-LaForce, C., Oxford, M., Barbosa-Leiker, C., **Burduli, E.**, Buchwald, D. (2020). Randomized Controlled Trial of the Promoting First Relationships® Preventive Intervention for Primary Caregivers and Toddlers in an American Indian Community. *Prevention Science*. doi: 10.1007/s1121-019-01053-x. PMID: 31754964
17. Schenk, E., Demorest, S., Cook, C., **Burduli, E.** (2019). Chant: Climate, Health and Nursing Tool Development: Item Development and Exploratory Factor Analysis. *Annual Review of Nursing Research*. DOI: 10.1891/0739-6686.38.97.
16. Davis, A., Lippe, M. **Burduli, E.**, Barbosa-Leiker, C. (2019). Development of New Undergraduate Palliative Care Knowledge Measures. *Journal of Professional Nursing*. <https://doi.org/10.1016/j.profnurs.2019.06.007>
15. Schenk, E., Brunelli, V., **Burduli, E.** A Tool to Measure Nurses' Perceptions of Electronic Documentation: Exploratory Factor Analysis. (2020). *Journal of Nursing Measurement*. DOI: 10.1891/JNM-D-18-00079
14. Orr, M., **Burduli, E.**, *Hirchak, K., Dotson, J., Young, S. L., Nelson, L., Lennstrom, E., Slaney, T., Bush, T., Gillaspay, S. R., Roll, J. M., Buchwald, D., McPherson, S. (2019). Culturally-Tailored Text-Messaging Intervention for Smoking Cessation in Rural American Indian Communities: Rationale, Design, and Methods. *Contemporary Clinical Trials Communications*. doi: 10.1016/j.conctc.2019.100363
13. Barbosa-Leiker, C., Holliday, C., **Burduli, E.**, Howell, D., Wynne, M., Numkena, N., Ford, C., Katz, J. (2019). Development of a community program capacity scale for a rural American Indian tribe. *Journal of Nursing Measurement*, 27:2, DOI:10.1891/1061-3749.27.2.E95
12. **Burduli, E.**, Skalisky, J., Hirchak, K., Orr, M. F., Foote, A., Granbois, A., Ries, R., Roll, J., McDonell, M. G., Buchwald, D., McPherson, S. (2018). Contingency management intervention targeting co-addiction of alcohol and drugs among American Indian adults: Design, methodology, and baseline data. *Clinical Trials*. DOI: 10.1177/1740774518796151
11. McPherson, S., **Burduli, E.**, Orr, M. F., Herron, J., Oluwoye, O., Lederhos Smith, C., Hirchak, K., McDonell, M., Roll, J. (2018). Current Perspectives on the Role of Contingency Management in the Treatment of Substance Use Disorder. *Substance Abuse and Rehabilitation*, 9:43-57. DOI: 10.2147/SAR.S138439. [non-database].
10. McPherson, S., **Burduli, E.**, Lederhos Smith, C., Brooks, O., Orr, M. F., Barbosa-Leiker, C., Hoekstra, T., McDonell, M. G., Murphy, S., Layton, M., Roll, J. (2018). Predictors of tobacco and alcohol co-use from ages 15 to 32: The Amsterdam Growth and Health Longitudinal Study. *Experimental and Clinical PsychoPharmacology*. DOI: 10.1037/pha0000203

9. Sattler, V., **Burduli, E.**, Smart, D., Barbosa-Leiker, C. (2018). Exploratory factor analysis of the Caffrey Cultural Competency in Healthcare Scale. *Journal of Nursing Measurement*. DOI: 10.1891/1061-3749.26.1.186
8. Oluwoye, O., Skalisky, J., **Burduli, E.**, Chaytor, N., McPherson, S., Murphy, Herron, J., Hirschak, K., Burley, M., Ries, R., Roll, J., McDonell, G. M. (2018). Using a Randomized Controlled Trial to Test whether Modifications to Contingency Management Improve Outcomes for Heavy Drinkers with Serious Mental Illness. *Contemporary Clinical Trials*. DOI: 10.1016/j.cct.2018.04.010
7. Martin, C.R., Hollins Martin, C.J., **Burduli, E.**, Barbosa-Leiker, C., Donovan-Batson, C. and Fleming, S.E. (2018). The Birth Satisfaction Scale-Revised (BSS-R): Should the sub-scale scores or the total score be used? *Journal of Reproductive and Infant Psychology*. DOI: 10.1080/02646838.2018.1490498
6. Orr, M. F, Lederhos Smith, C., Finley, M., Martin, S. C., Brooks, O., Oluwoye, O., Leickly, E., McDonell, M. G., **Burduli, E.**, Barbosa-Leiker, C., Layton, M., Roll, J. M., McPherson, S. M. (2018). Pilot investigation: Randomized controlled analog trial for alcohol and tobacco smoking co-Addiction using contingency management. *Behavioral Pharmacology*. DOI: 10.1097/FBP.0000000000000379
5. Barbosa-Leiker, C., McPherson, S., Layton, M., **Burduli, E.**, Roll, J., Ling, W. (2018). Examining sex differences in opioid use trajectories in the National Drug Abuse Treatment Clinical Trials Network (CTN) 0003. *American Journal of Drug and Alcohol Abuse*. DOI: 10.1080/00952990.2018.1458234
4. Oluwoye, O., Monroe-DeVita, M., **Burduli, E.**, Chwastiak, L., McPherson, S., McClellan, J. M., McDonell, M. G (2017). The Impact of Tobacco, Alcohol, and Cannabis use on treatment outcomes among patients with first episode psychosis: Data from the National RAISE-ETP Study. *Early Intervention in Psychiatry*. DOI: 10.1111/eip.12542
3. **Burduli, E.**, Barbosa-Leiker, C., Fleming, S. E., Hollins Martin, C.J., Martin, C. (2017). Cross-cultural invariance of the birth satisfaction scale- revised: Comparing UK and US samples. *Journal of Reproductive and Infant Psychology*, 35:3, 248-260, DOI: 10.1080/02646838.2017.1310374
2. Fleming, S. E., Donovan Batson, C. M., **Burduli, E.**, Barbosa-Leiker, C., Hollins Martin, C.J., Martin, C. (2016). Birth Satisfaction Scale/Birth Satisfaction Scale-Revised (BSS/BSS-R): A large scale United States Planned Home Birth and Birth Center Survey. *Midwifery*. DOI: 10.1016/j.midw.2016.07.008
1. Martin, C.R., Hollins Martin, C.J., **Burduli, E.**, Barbosa-Leiker, C., Donovan-Batson, C. and Fleming, S.E. (2016). Measurement and structural invariance of the US version of the Birth Satisfaction Scale-Revised (BSS-R) in a large sample. *Women and Birth*. DOI: 10.1016/j.wombi.2016.11.006

Revise and Resubmit (0)

Under Review (5)

Burduli, E., *Brumley, C., *McRae, H., Oluwoye, O., Graves, J., McPherson, S., Barbosa-Leiker, C. Maternal and Infant Morbidity Across Race, Ethnicity and Birth Location in Washington State, 2010-2016 (*Under Review*). *Journal of Midwifery and Women's Health*.

Willoughby, J., Hust, J. T. S., Couto, L., Kang, S., Pingel, B., Li, J., Austin, B. W., Brooks, O., **Burduli, E.**, Barbosa-Leiker, C. (*Under Review*). Examining science and media literacy health communication messages to reduce intentions to use cannabis while pregnant. *Psychology of Addictive Behaviors*.

*Winqvist, A., Schenk, E., Cook, C., Demorest, S., †**Burduli, E.** (*Under Review*). Climate, Health, and Nursing Tool (CHANT): A Confirmatory Factor Analysis. *Public Health Nursing*.

Miguel, A., Smith, C., Keever, A., Bowden, T., **Burduli, E.**, Roll, J., McPherson, S.M. (*Under Review*). Exploring the Mediating Role of Baseline Urinalysis Results on Demographic Characteristics and Stimulant Use Disorder Treatment Outcomes. *Journal of Substance Abuse Treatment*.

*Whang, S., Anderson, F., Amiri, S., Amram, O., †**Burduli, E.** (*Under review*). Can high risk pregnancies tolerate distance and time: A retrospective study on the impact of geographic access on pregnancies complicated by hypertension and/or diabetes in Washington State from 2010-2016. *Journal of Rural Health*.

a. Book Chapters (1)

Dotson, J., **Burduli, E.**, & McPherson, S. (2018). Substance Use and Abuse in Rural Communities. In C. Winters (Ed.), *Rural Nursing*. 5th edition. New York, NY: Springer Publishing Company, LLC.

b. Reports (4)

Burduli, E., Barbosa-Leiker, C. (2016). Descriptive Statistics of the NEXus Student Survey. Report completed for Nursing Education Xchange (NEXus).

Belenky, G., Lamp, A., **Burduli, E.**, Okuboyejo, C., Kulasingam, C. (2016). Fatigue Risk Management System: B787 LAX-MEL vs. B777 SFO-SYD. Report completed for United Airlines and the Federal Aviation Administration.

Belenky, G., Lamp, A., **Burduli, E.**, Okuboyejo, C., Kulasingam, C. (2016). The Effects of Long-duration, Multi-segment Flights on Pilot Sleep, Performance, Fatigue, and Sleepiness: The Island Hopper. Report completed for United Airlines and the Federal Aviation Administration.

Belenky, G., Lamp, A., **Burduli, E.**, Okuboyejo, C., Kulasingam, C. (2016). Fatigue Risk Management System: B777 SFO-SYD vs. B777 SFO-TPE. Report completed for United Airlines and the Federal Aviation Administration.

II. SCHOLARLY ACTIVITIES:

C. Podium/Poster Presentations:

1. International / National

Burduli, E., Winqvist, A., Lederhos-Smith, C., Brooks, O., Chiou, M., Balsiger, D., Shogan, M., McPherson, S., Barbosa-Leiker, C., Jones, H. (June, 2022). Supporting Perinatal Women

with Opioid Use Disorder and Their Newborns Experiencing Neonatal Abstinence Syndrome. Symposium presented at the annual meeting of the College on Problems of Drug Dependence (CPDD), Minneapolis, Minnesota.

Hirschak, K.A., Kordas, G., Herron, J., Lyons, A., Richardson, M., Brigman, M., Bajet, K., **Burduli, E.**, Granbois, A., Roll, J., Buchwald, D., McPherson, S.M. & McDonell, M.G. (2022, June 25-29th). Co-Occurring Alcohol and Methamphetamine Use among Treatment Seeking American Indian Adults [Poster Abstract]. 45th Annual Research Society on Alcoholism Scientific Meeting, Orlando, FL, United States.

Burduli, E., Amiri, S., Burke-Conte, C., Barbosa-Leiker, C. Amram, O., McPherson, S. (June, 2021). *Co-effect of Air Quality and Smoking on Select Maternal-Newborn Outcomes Across Rural vs. Urban Continuum*. Poster presented at the annual meeting of the College on Problems of Drug Dependence (CPDD), Montreal, Canada (virtual).

Burduli, E., Lederhos Smith, C., Bowden, T., Shogan, M., Johnson, K. R., McPherson, S. (June, 2021). *Neonatal Abstinence Syndrome Primer, Reference, and Decision Support Tool for Providers: A Phase II Training Pilot*. Poster presented at the annual meeting of the College on Problems of Drug Dependence (CPDD), Montreal, Canada (virtual).

Cook, C., Schenk, E., Demorest, S., **Burduli, E.** (September 2020). Chant: *Climate, Health and Nursing Tool Development*. Paper will be presented at the 2020 State of the Science Congress on Nursing Research.

Burduli, E., Lederhos Smith, C., Tham, P., Shogan, M., Johnson, K. R., McPherson, S. (October, 2019). *Development and Application of a Primer and Reference Assessment Tool for Neonatal Abstinence Syndrome: A Phase I Pilot Study*. Poster will be presented at the bi-annual European Conference on Addictive Behaviors and Dependencies (Lisbon Addictions), Lisbon, Portugal.

McPherson, S., **Burduli, E.**, Lederhos Smith, C., Kamate, P., Dorrian, T., Barbosa-Leiker, C., Hoekstra, T., and Roll, J. (October, 2019). *Sub-groups of tobacco and alcohol co-use trajectories from ages 21 to 32: The Amsterdam Growth and Health Longitudinal Study*. Poster will be presented at the bi-annual European Conference on Addictive Behaviors and Dependencies (Lisbon Addictions), Lisbon, Portugal.

Barbosa-Leiker, **Burduli, E.**, Smith, C.L., Brooks, O., Orr, M.A., Mehta, R.P., Gartstein, M., (2019, September) *Marijuana Use in Pregnancy: Prevalence and Perceptions of Risk*. Talk presented at the Substance Abuse and Mental Health Services Administration (SAMHSA) Technical Expert Panel focused on the Harms and Risks of Marijuana Use, Rockville, MD.

Fleming, S., Donovan-Batson, C., Barbosa-Leiker, C., **Burduli, E.**, Hollins-Martin, C. & Martin, C. (May 2019). *Birth Satisfaction Scale Revised (BSS-R) Explored: A large scale United States Planned Home Birth and Birth Centre/Center Survey*. Congress of the Nordic Federation of Midwives, Reykjavik, Iceland. Oral Presentation.

Burduli, E., McPherson, S., Mamey, M. R., Lederhos Smith, C., & Roll, J. (March 2019). *Missing data methodologies for vulnerable populations: substance use disorder randomized clinical trials*. Oral presentation, International Convention of Psychological Science (ICPS), Paris, France.

Barbosa-Leiker, C., **Burduli, E.**, Smith, C., Orr, M., Gartstein, M., Brooks, O., & Mehta, R.P. (October 2018). *Cannabis Use During Pregnancy and Parenthood*. Invited oral presentation, Women in Government, Washington DC.

Oluwoye O, Monroe-DeVita M, **Burduli E**, Chwastiak L, McPherson S, McClellan JM, McDonell MG. (October 2018). *The impact of substance use on treatment outcomes among patients experiencing first-episode psychosis*. Poster will be presented at the International Early Psychosis Association 11TH International Conference on Early Intervention in Mental Health. Boston, Massachusetts.

Burduli, E., McPherson, S., Mikulich-Gilbertson, S., Luo, S. X., Saba, L. (June, 2018). *Annual CPDD Design and Analysis Workshop*. Workshop will be presented at the annual meeting of the College on Problems of Drug Dependence (CPDD), San Diego, CA.

Burduli, E., Ihle, D., Orr, M. F., Lederhos Smith, C., Roll, J., McPherson, S. (June, 2018). *Combining the WLSMV estimator with multiple imputation for categorical outcomes in substance use disorder randomized clinical trials*. Poster will be presented at the annual meeting of the College on Problems of Drug Dependence (CPDD), San Diego, CA.

McPherson, S., **Burduli, E.**, Ihle, D., Orr, M. F., Lederhos Smith, C., Roll, J. (June, 2018). *A shared parameter pattern-mixture model as a 'missing not at random' sensitivity analysis for substance use disorder randomized clinical trials*. Poster will be presented at the annual meeting of the College on Problems of Drug Dependence (CPDD), San Diego, CA.

Lederhos Smith, C., **Burduli, E.**, Orr, M. F., Martin, S., Finlay, M., Oluwoye, O., McDonell, M., Roll, J., McPherson, S. (June, 2018). *Crossover associations of alcohol and smoking craving and withdrawal with biochemically-verified alcohol and nicotine use in heavy drinking smokers*. Poster will be presented at the annual meeting of the College on Problems of Drug Dependence (CPDD), San Diego, CA.

Hirchak, K., Smith, C.L., Orr, M., **Burduli, E.**, Skalisky, A., Foote, A., Granbois, A., Ries, R., Roll, J., Buchwald, D., McDonell, M.G., McPherson, S.M. (May, 2018). *Contingency Management Intervention Targeting Co-Addiction of Alcohol and Drugs Among American Indian Adults: Rationale, Design and Methodology*. Poster to be presented at the Society for Prevention Research 26th Annual Meeting, Washington, DC.

Martin, C. R., Barbosa-Leiker, C., **Burduli, E.**, Donovan Batson, C. M., Fleming, S. E., & Hollins Martin, C.J. (September, 2017). *A multi-dimensional item response theory investigation into the performance of the United States version of the Birth Satisfaction Scale-Revised (BSS-R) in a large sample*. Talk presented at the Society for Reproductive and Infant Psychology Annual Conference (SRIP), Leeds, UK.

Lamp, A., **Burduli, E.**, Chen, J., & Belenky, G. (June, 2017). *There and Back Again: Circadian Modulation of Sleep in Pilots Flying Ultra-Long-Range Flights*. Poster presented at SLEEP conference: the annual joint meeting of the American Academy of Sleep Medicine and the Sleep Research Society, Boston, MA.

Abshire, D., Terry, A. L., Barbosa-Leiker, C., **Burduli, E.**, Moser, D. K. (November, 2016). *Depressive symptoms, anxiety, and perceived social support do not predict weight change in overweight and obese rural adults with low education attainment.* Poster presented at the American Heart Association Conference (AHA), New Orleans, LA.

Fleming, S. E., Donovan Batson, C. M., **Burduli, E.**, Barbosa-Leiker, C., Hollins Martin, C.J., & Martin, C. (September, 2016). *Application of the long and short-form versions of the Birth Satisfaction Scale (BSS/BSS-R) in a large survey in the United States of America.* Poster presented at the Society for Reproductive and Infant Psychology Annual Conference (SRIP), Leeds, UK.

Fleming, S. E., Donovan Batson, C. M., Barbosa-Leiker, C., & **Burduli, E.**, Hollins Martin, C.J., & Martin, C. (May, 2016). *North American Mothers' Home Birth – Birth Center Birth Satisfaction Scale Survey.* Poster presented at the 61st Annual Meeting & Exhibition of the American College of Nurse Midwives (ACNM), New Mexico.

Burduli, E., Parks, C. D., Barbosa-Leiker, C. (May 2015). *The CART-Q: An evaluation of a three-factor model of the coach-athlete relationship in a US college athlete sample.* Presented at the 27th Association for Psychological Science (APS) annual convention, New York, New York.

II. SCHOLARLY ACTIVITIES:

C. Podium/Poster Presentations:

2. Regional/State/Local

Brumley, C., McRae, H., Oluwoye, O., Graves, J., McPherson, S., Barbosa-Leiker, C., & **Burduli, E.** (April, 2023). *Maternal & Neonatal Morbidity; Race, Ethnicity, Birth Location in Washington 2010-2016.* Poster will be presented at the Western Institute of Nursing Conference 2022, Tucson, AZ.

Burduli, E. (October, 2022). *Supporting Perinatal Women with Opioid Use Disorder and Their Newborns Experiencing Neonatal Abstinence Syndrome.* Invited oral presentation, Association for Faculty Women, Washington State University, Pullman, WA.

Winqvist, A., Lederhos Smith, C., Brooks, O., Barbosa-Leiker, C., & **Burduli, E.** (April, 2022). *Provider Perspectives: Supporting Perinatal Women with Opioid Use Disorder.* Poster presented at the Western Institute of Nursing Conference 2022, Portland, OR.

McRae, H., **Burduli, E.** (March 2020). *Adverse Birth Outcomes in Washington State: Differences Across Race, Ethnicity and Birth Location.* Poster presented at the annual WSU Academic Showcase, Pullman, WA.

McRae, H., **Burduli, E.** (March 2020). *Adverse Birth Outcomes in Washington State: Differences Across Race, Ethnicity and Birth Location.* Poster presented at the annual Inland Northwest Research Symposium, Spokane, WA.

Lederhos Smith, C., **Burduli, E.**, Brooks, O., Mehta, R.P., Gartstein, M., & Barbosa-Leiker, C. (July 2019). *Provider Perspectives on Mothers Using Marijuana During Pregnancy and Postpartum.* Poster presented at the Research Society on Marijuana (RSMj), Vancouver, WA.

Barbosa-Leiker, C., Gartstein, M., **Burduli, E.**, Smith, C., Brooks, O, Mehta, R.P. & Orr, M. (April 2019). *Daily Cannabis Use During Pregnancy and Parenthood*. Podium presentation at the Western Institute of Nursing's 52nd Annual Communicating Nursing Research Conference, San Diego, CA.

Schenk, E., Demorest, S., Cook, C., **Burduli, E.** (April 2019). Chant: *Climate, Health and Nursing Tool Development*. Poster presentation at the Western Institute of Nursing's 52nd Annual Communicating Nursing Research Conference, San Diego, CA.

Merritt, E., Dotson, J., **Burduli, E.**, Purath, J. (April 2019). *Exploring Perceptions of Providers Who Care for Pregnant Women with Substance Use Disorder*. Poster presented at the Inland Northwest Research Symposium, Spokane, WA.

Barbosa-Leiker, C., **Burduli, E.**, Smith, C., Orr, M., Gartstein, M., Brooks, O., & Mehta, R.P. (September 2018). *Daily Cannabis Use During Pregnancy and Parenthood*. Invited oral presentation, Washington State Academy of Sciences, Seattle WA

Burduli, E., Barbosa-Leiker, C., & Sattler, V. (April, 2017). *Measurement Invariance of the Center for Epidemiological Studies-Depression Scale*. Poster presented at the Western Institute of Nursing's (WIN) 50th Annual Communicating Nursing Research Conference, Denver, CO.

Burduli, E., Wilson, M., Lederhos Smith, C. (April, 2017). *Pilot test of A Way Forward: A peer group program for people with persistent pain*. Poster presented at the Inland Northwest Research Symposium, Spokane, WA.

Burduli, E., Wilson, M., Lederhos Smith, C. (March, 2017). *Pilot test of A Way Forward: A peer group program for people with persistent pain*. Poster presented at Washington State University's Academic Showcase, Pullman, WA.

Lamp, A., **Burduli, E.**, Chen, J., & Belenky, G. (March, 2017). *There and Back Again: Circadian Modulation of Sleep in Pilots Flying Ultra-Long Range Flights*. Poster presented at Washington State University's Academic Showcase, Pullman, WA.

Burduli, E., Barbosa-Leiker, Fleming, S. E., Hollins Martin, C.J., Martin, C. (April, 2016). *Cross-cultural invariance of the birth satisfaction scale- revised (BSS-R): Comparing UK and US samples*. Poster presented at the Inland Northwest Research Symposium, Spokane, WA.

Burduli, E., Barbosa-Leiker, Fleming, S. E., Hollins Martin, C.J., Martin, C. (March, 2016). *Cross-cultural invariance of the birth satisfaction scale- revised (BSS-R): Comparing birth satisfaction levels between US and UK mothers*. Poster presented at Washington State University's GPSA Research Exposition, Pullman, WA.

III. HONORS AND AWARDS

2022	Excellence in Research Award, College of Nursing, Washington State University
2020	Graduate Faculty Excellence Award, College of Nursing, Washington State University
2015	Graduate Student Travel Award, Department of Psychology, Washington State

University

IV. PROFESSIONAL AND COMMUNITY SERVICE**A. Consultations and Advisement****1. Research**

2020+	Member, Birth Outcomes Task Force, Spokane Regional Health District
2019-2021	Member, Evaluation Committee, Nursing Education Xchange (NEXus)
2019-2020	Paid psychometric consultant, RoundGlass
2015-2018	Psychometric consultant, Institute for Individual and Organizational Change, Motivational Interviewing Competency Assessment
2015-2016	Statistical consultant, Assessment of survey data, Evaluation Committee, Nursing Education Xchange (NEXus)
2015	Paid statistical consultant, Doctorate of Nurse Practitioner scholarly project, Gonzaga University, Department of Nursing

Manuscript reviewer

2021+	Ad-hoc Reviewer, <i>Journal of Addiction Medicine</i>
2020+	Editorial Board, <i>Psychology of Addictive Behaviors</i>
2019+	Ad-hoc Reviewer, <i>Contemporary Clinical Trials</i>
2019+	Ad-hoc Reviewer, <i>American Journal on Addictions</i>
2019+	Ad-hoc Reviewer, <i>Addictive Behaviors</i>
2019+	Ad-hoc Reviewer, <i>BMJ Open</i>
2019+	Ad-hoc Reviewer, <i>Drug and Alcohol Dependence</i>
2019+	Ad-hoc Reviewer, <i>Health Psychology</i>
2018+	Consulting Reviewer, <i>American Journal of Health Behavior</i>
2018+	Ad-hoc Reviewer, <i>Experimental and Clinical Psychopharmacology</i>
2018+	Ad-hoc Reviewer, <i>Journal of Substance Abuse Treatment</i>
2017+	Ad-hoc Reviewer, <i>Journal of Reproductive and Infant Psychology</i>
2017+	Ad-hoc Reviewer, <i>Journal of Nursing Measurement</i>
2017+	Ad-hoc Reviewer, <i>Psycho-Oncology</i>
2017+	Ad-hoc Reviewer, <i>Contemporary Clinical Trials Communications</i>
2017+	Ad-hoc Reviewer, <i>BMC Psychiatry</i>
2017+	Ad-hoc Reviewer, <i>Addiction</i>
2016+	Ad-hoc Reviewer, <i>Scientific Pages of Nursing</i>
2016+	Ad-hoc Reviewer, <i>International Journal of Nursing and Midwifery</i>
2016+	Ad-hoc Reviewer, <i>Annals of Epidemiology</i>
2016+	Ad-hoc Reviewer, <i>American Journal of Drug and Alcohol Abuse</i>

Grant reviewer

2022	Reviewer, NIH NIDA IPTA grant review panel section
2021	Reviewer, NIST BIRD foundation grant applications
2021	Reviewer, Washington State University Alcohol and Drug Abuse Research Program (ADARP)
2019+	Reviewer, NIAA NCARE Pilot Project Applications
2015	Reviewer, Association for Psychological Science Student Caucus, APSSC Student Grant Competition

Abstract reviewer

2018	Reviewer, Inland Northwest Research Symposium
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B. Professional Activities

2022+	Member, College on Problems of Drug Dependence
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2020+	Editorial Board, <i>Psychology of Addictive Behaviors</i>
2015-2018	Member, Psychometric Society
2012+	Member, Association for Psychological Science
2011+	Member, American Psychological Association
2011+	Member, American Psychological Association
2007+	Member, Psi Chi: National Honor Society

C. University/Consortium Activities

2022+	College of Nursing Faculty Affairs Committee, Washington State University
2019+	University Faculty Affairs Committee, Washington State University
2019+	PhD Advisory Committee, WSU College of Nursing
2018	CCNE preparation committee, WSU College of Nursing
2013+	Association of Faculty Women (AFW), Washington State University
2014-2015	Graduate Student Representative to Experimental Faculty Member, WSU Department of Athletics Search Committee
2011-2012	Psi Chi Graduate Student Advisor, Washington State University

V. EDUCATION AND TEACHING:

A. Dissertation Committees

Degree awarded

N/A

Degree in progress

Chair, Anna Winquist, Doctoral Student (Nursing), Degree anticipated in May 2023. Dissertation Topic: Nursing self-efficacy in reporting child abuse and neglect.

Chair, Christina Brumley, Doctoral Student (Nursing), Degree anticipated May 2025. Dissertation Topic: TBD.

Member, Tara Marko, Doctoral Student (Nursing), Degree anticipated in May 2023. Dissertation Topic: Examining the relationship between maternal exposure to wildfire smoke and neonatal outcomes in Washington State.

Member, Hannah Gubitz, Doctoral Student (Nursing), Degree anticipated in May 2023. Dissertation Topic: The Relationship Between Health and Criminal Justice in a State Prison System.

Member, Bryony Stokes, Doctoral Student (Prevention Science), Degree anticipated May 2025. Dissertation Topic: TBD.

B. Thesis Committees

Degrees awarded

Member, Elizabeth Merritt, Masters Student (Nursing), Degree awarded May 2019. Thesis Topic: Exploring Perceptions of Providers Who Care for Pregnant Women with Substance Use Disorder.

C. Medical School scholarly Projects

In Progress

Faculty Supervisor, Stella Whang, Degree anticipated May 2023.

Project Topic: Can high risk pregnancies tolerate distance and time: A retrospective study on the impact of geographic access on pregnancies complicated by hypertension and/or diabetes in Washington State from 2010-2016.

D. Undergraduate Honors Thesis Committees

Degrees awarded

Advisor, Haley McRae, Honors Student (Nursing), Degree awarded May 2020 (**Pass with Distinction**).

Thesis Topic: Adverse Birth Outcomes in Washington State: Differences Across Race, Ethnicity and Birth Location

Degree in progress

Advisor, Carolyn Stone, Honors Student (Nursing), Degree anticipated May 2024.

Thesis Topic: Exploring Birth Satisfaction and Psychosocial Support among Postpartum Women During the COVID-19 Pandemic.

E. Teaching Assignments

Washington State University

Summer 2022: NURS 589	Psychometrics in Health Care Research, 2 credits, 6 students
Summer 2021: NURS 589	Psychometrics in Health Care Research, 2 credits, 5 students
Summer 2020: NURS 589	Psychometrics in Health Care Research, 2 credits, 5 students
Spring 2020: NURS 527	Association, Group Differences, and Regression Techniques, 3 credits, 10 students
Spring 2020: NURS 505	Analytical Foundations for Practice Inquiry, 3 credits, 60 students
Fall 2019: NURS 526	Analytical Foundations for Health Sciences, 3 credits, 14 students
Summer 2019: NURS 589	Psychometrics in Health Care Research, 2 credits, 4 students
Spring 2019: NURS 527	Association, Group Differences, and Regression Techniques, 3 credits, 8 students
Spring 2019: NURS 505	Analytical Foundations for Practice Inquiry, 3 credits, 50 students
Fall 2018: NURS 526	Analytical Foundations for Health Sciences, 3 credits, 20 students
Summer 2018: NURS 589	Psychometrics in Health Care Research, 2 credits, 10 students
Fall 2016: NURS 526	Analytical Foundations for Health Sciences, 3 credits, 10 students
Summer 2016: NURS 589	Psychometrics in Health Care Research, 2 credits, 10 students
Spring 2016: PSYCH 311	Elementary Statistic in Psychology, 4 credits, 45 students
Fall 2015: NURS 505	Analytical Foundations for Practice, 3 credits, 50 students
Fall 2015: PSYCH 312	Experimental Methods in Psychology (Online), 4 credits, 30 students
Summer 2015: PSYCH 311	Elementary Statistic in Psychology, 4 credits, 30 students
Spring 2015: PSYCH105	Introductory Psychology, 3 credits, 105 students
Fall 2014: PSYCH105	Introductory Psychology, 3 credits, 115 students

Guest Lecture: October 10, 2022, "Research Methods Overview", NURS504: Evidence-Based Practice, Dr. Claire Richards, College of Nursing, Washington State University.

Guest Lecture: February 10, 2022, "Perinatal Substance Use Overview", NEP 481: Principles of Population Health, Dr. Ofer Amram, Nutrition and Exercise Physiology, Elson S. Floyd College of Medicine, Washington State University.

Guest Lecture: October 11, 2021, "Research Methods Overview", NURS504: Evidence-Based Practice, Dr. Claire Richards, College of Nursing, Washington State University.

Guest Lecture: July 24, 2021, "Research Methods Overview", NURS524: Foundations of Methodological Applications for Health Sciences, Dr. Tullamora Landis, College of Nursing, Washington State University.

Guest Lecture: October 12, 2020, "Research Methods Overview", NURS504: Evidence-Based Practice, Drs. Phyllis Eide and Claire Richards, College of Nursing, Washington State University.

Guest Lecture: June 25, 2020, "Research Methods Overview", NURS524: Foundations of Methodological Applications for Health Sciences, Drs. Tullamora Landis and Julie Postma, College of Nursing, Washington State University.

Guest Lecture: February 12, 2020, "Research Methods Overview", NURS308: Professional Development I: Evidence Based Practice, Dr. Gail Oneal, College of Nursing, Washington State University.

Guest Lecture: June 28, 2019, "Research Methods Overview", NURS524: Foundations of Methodological Applications for Health Sciences, Drs. Mel Haberman and Gail Oneal, College of Nursing, Washington State University.

Guest Lecture: January 30, 2019, "Research Methods Overview", NURS308: Professional Development I: Evidence Based Practice, Dr. Gail Oneal, College of Nursing, Washington State University.

Guest Lecture: September 25, 2018, "Research Methods Overview", NURS308: Professional Development I: Evidence Based Practice, Dr. Gail Oneal, College of Nursing, Washington State University.

Guest Lecture: July 5, 2018, "Research Methods Overview", NURS524: Foundations of Methodological Applications for Health Sciences, Drs. Mel Haberman and Gail Oneal, College of Nursing, Washington State University.

F. Continuing Education

1. Attendance at CE Programs

November, 2022: The Effectiveness and Utility of Telehealth Services, Northwest Addiction Technology Transfer Center Webinar (no formal CE hours).

October, 2022: Mitigation of Pandemic Impacts on Children, 15th Annual Symposium of the Washington State Academy of Sciences (no formal CE hours).

August, 2022: WSU Public Health Research Symposium, Washington State University, Spokane, WA (no formal CE hours).

August, 2022: The Women and Substance Use Disorders Action Group of the American Society of Addiction Medicine, Compassionate Care for Women, Infants, Families and Communities Summit, (no formal CE hours).

June, 2022: WSU Prevention Science Qualitative Research Methods Workshop (no formal CE hours).

February, March, April, 2022: Research First Friday, Washington State University College of Nursing, Spokane, WA, 3.0 contact hours.

March, 2022: WSUAA Women's Leadership Summit (no formal CE hours).

March, 2022: NIDA Sponsored Workshop: Opportunities for Using Electronic Health Record Data for Substance Use Prevention Research and Intervention Delivery (no formal CE hours).

March, 2022: College on Problems of Drug Dependence Webinar: Possible Unintended Consequences for Pregnant Women of Legalizing Cannabis Use (no formal CE hours).

January, 2022: Learning Innovations Teaching from a Distance: Strategies and Best Practices, WSU Academic Innovation and Outreach (3 contact hours).

- November, 2021: Mindfulness-based Anti-Racism Training Series with Trymaine Gaither, Washington State University (no formal CE hours).
- November, 2021: Substance Use Among Pregnant & Parenting People: Research & Interventions to Promote Wellbeing, The Kempe Center Webinar (no formal CE hours).
- July, 2021: NIH OBSSR Webinar: Quality of Care, Disparities, and the Healthcare Crisis for Moms and Babies of Color (no formal CE hours).
- May, 2021: Structured Clinical Interview for DSM-5 Disorders Training, 12 contact hours.
- January, 2021: NWATTC Webinar: Improving Outcomes by Recognizing and Responding to Fetal Alcohol Spectrum Disorders (FASD) in Individuals in Treatment (no formal CE hours).
- September, October, November, December 2021: Research First Friday, Washington State University College of Nursing, Spokane, WA, 3.0 contact hours
- November, 2020: NIDA Career Workshop (no formal CE hours).
- November, 2020: FDA Office of Women's Health: "CBD and Other Cannabinoids: Sex and Gender Differences in Use and Responses" (no formal CE hours).
- November, 2020: The Johns Hopkins CATALiST Seminar Series with Dr. Qiana Brown": "Prenatal Cannabis Use: Who, When, Where, Why" (no formal CE hours).
- October, 2020: NIH Virtual Seminar on Program Funding and Grants Administration (no formal CE hours).
- September, October, November, December 2020: Research First Friday, Washington State University College of Nursing, Spokane, WA, 3.0 contact hours
- July, 2020: NIAA NCARE Webinar series: "The Relationship between Prenatal Alcohol, SIDS and Stillbirth: The Safe Passage Study" (no formal CE hours).
- June, 2020: Opioid Use Disorder, Pregnant Women and NAS: Understanding and Addressing the Challenges: Webinar, Rural Communities Opioid Response Program (RCOP), (no formal CE hours).
- June, 2020: Teaching from a Distance: Strategies and Best Practices, WSU's Academic Outreach and Innovation (AOI), (no formal CE hours).
- May, 2020: NICHD/ORWH Pregnancy and Maternal Conditions That Increase Risk of Morbidity and Mortality Workshop, (no formal CE hours).
- May, 2020: Managing Your Grants and Research During COVID-19, American Psychological Association (APA), (no formal CE hours).
- January, 2020: The Women and Substance Use Disorders Action Group of the American Society of Addiction Medicine, Compassionate Care for Women, Infants, Families and Communities Summit, (no formal CE hours).
- February, March, April, 2020: Research First Friday, Washington State University College of Nursing, Spokane, WA, 3.0 contact hours.
- October, November, December, 2019: Research First Friday, Washington State University College of Nursing, Spokane, WA, 3.0 contact hours.
- September, 2019: Webinar: Conducting Opioid Research on Maternal and Child Health (MCH) Populations, HRSA Maternal & Child Health EnRICH (no formal CE hours).
- February, March, April, 2019: Research First Friday, Washington State University College of Nursing, Spokane, WA, 3.0 contact hours.
- September, October, November, 2018: Research First Friday, Washington State University College of Nursing, Spokane, WA, 3.0 contact hours.
- April, 2019: Webinar: Healing Two Generations: Pregnant and Parenting Women with Opioid Use Disorder, Northwest Addiction Technology Transfer Center Network (ATTC) (no formal CE hours).
- October, 2018: Spokane Regional Opioid Task Force, Spokane Regional Health District, Spokane, WA (6.0 contact hours).

- March, 2019: Invited speaker: "Keeping well while being ill", Breast cancer support group of the Palouse, Pullman, WA (No formal CE hours).
- March, 2019: Invited speaker: "Graduate education and career opportunities", WSU Athletic Department Alumni Speaker Event, Pullman, WA (No formal CE hours).
- March, 2018: Regional Approaches to Women's Leadership in Stem Conference, ADVANCE at WSU, Washington State University, Spokane, WA (6.0 contact hours).