TSET Health Promotion Research Center

FY21 Publications by Quarter

1st Quarter

Alexander, A.C., **Waring, J.C.** (co-first author), Hébert, E.T., **Ra, C.K.**, Rangu, N., **Kendzor, D.E.**, & **Businelle, M.S.** (in press). Identifying mechanisms that link pain to smoking after a quit attempt. *Psychology of Addictive Behaviors, 35*(1), 52-61.

Hébert, E.T., Suchting, R., **Ra, C.K.**, **Alexander, A.C.**, **Kendzor, D.E.**, Vidrine, D.J., & **Businelle, M.S.** (2020) Predicting the first smoking lapse during a quit attempt: A machine learning approach. *Drug and Alcohol Dependence., 218.* https://doi.org/10.1016/j.drugalcdep.2020.108340

Hernandez, D.C., Daundasekara, S.S., Zvolensky, M J., Reitzel, L. R., Santa Maria, D., **Alexander, A.**, **Kendzor, D.E.**, & **Businelle, M.S.** (2020). Urban stress indirectly influences psychological symptoms through its association with distress tolerance and perceived social support among adults experiencing homelessness. International Journal of Environmental Research and Public Health,17, 5301. doi: 10.3390/ijerph17155301

Koslovsky, M.D., Hébert, E.T., **Businelle, M.S.**, & Vannucci, M.A. (in press). Bayesian time-varying effect model for behavioral mHealth data. The Annals of Applied Statistics.

McQuoid J. Engaging with Drug, Set, and Setting to Understand Nicotine Use Practices. In: Geoffrey Hunt, Tamar M.J. Antin, Vibeke Asmussen Frank (Eds), *Routledge Handbook of Intoxication*. In Production.

Nguyen N, **McQuoid J**, Holmes L, Ling P, Thrul J. Same-day use of cigarettes, alcohol, and cannabis among sexual minority and heterosexual young adult smokers. *Psychology of Addictive Behaviors*. In Press. DOI: 10.1037/adb0000678

Reuven, S.M., Chen, T-A., Zvolensky, M.J., **Businelle, M.S.**, **Kendzor, D.E.**, & Reitzel, L. R. (in press). Examining the moderating effect of anxiety sensitivity on past-month pain severity and heaviness of smoking among adult smokers experiencing homelessness. *Addictive Behaviors, 112*. DOI: https://doi.org/10.1016/j.addbeh.2020.106610

Sargent G, **McQuoid J**, Dixon J, Banwell C, Strazdins L. Routines, rhythms, and rituals: How working time flexibility and predictability influence health practices. *Work, Employment & Society*. In Press.

Suchting, R., **Businelle, M.S.**, Hwang, S.W., Padhye, N.S., Yang, Y., Santa-Maria, D.M. (In Press). Predicting daily sheltering arrangements among youth experiencing homelessness using diary measurements collected by ecological momentary assessment. International Journal of Environmental Research and Public Health. https://doi.org/10.3390/ijerph17186873

2nd Quarter

HPRC Faculty

Acorda, D., **Businelle, M.**, Santa Maria, D. (in press). Acceptability of a Just-in-Time Adaptive Intervention for HIV Prevention among Youth Experiencing Homelessness: A Qualitative Analysis. *Journal of Health Care for the Poor and Underserved*.

Agrawal, P., Taing, M., Chen, T., Reuven, S. M., **Businelle, M. S.**, **Kendzor, D. E.**, Bernicker, E. H., Reitzel, L. R. (2020). Understanding the associations between smoking-related risk perception, interest in quitting smoking, and interest in lung cancer screening among homeless adult smokers. *International Journal of Environmental Research and Public Health, 17*, 8817.

Iwundu, C.N., Chen, T-A., Edereka-Great, K., **Businelle, M.S.**, **Kendzor, D.E.**, & Reitzel, L.R. (in press). Mental illness and youth-onset homelessness: A retrospective study among adults experiencing homelessness. *International Journal of Environmental Research and Public Health, 17*, 8295.

Savoy, E., **Businelle, M. S.**, Nguyen, N., Chen, T-A., Neighbors, C., Norton, P. J., & Reitzel, L. R. (2021). Examining moment to moment affective determinants of smoking rate following a quit attempt among homeless daily smokers. *Addictive Behaviors, 115*, 106788.

HPRC Faculty Affiliates

D. Haziza, **S. Chen** and Y. Gao. (2020+). Targeting key survey variables at the nonresponse treatment stage. To appear at *Journal of Survey Statistics and Methodology*

Manyanga J, Ganapathy V, Bouharati C, Mehta T, Sadhasivam B, Acharya P, Zhao D, and **Queimado L.** Electronic cigarette aerosols alter the expression of cisplatin transporters and increase drug resistance in oral cancer cells. Scientific Reports (In Press)

Metcalf, S., Dickerson, K. L., **Milojevich, H. M.**, & Quas, J. A. (in press). Primary and secondary variants of psychopathic traits in high-risk youth: Links with maltreatment, aggression, and empathy. *Child Psychiatry and Human Development.*

Traino, K. A., Sharkey, C. M., Perez, M. N., Bakula, D. M., Roberts, C. M., Chaney, J. M., **Mullins, L. L**. (*in press*). Health care utilization, transition readiness, and health-related quality of life: A latent class analysis in college students with a chronic medical condition. *Journal of Pediatric Psychology*.

S. Chen, D. Haziza and ***A. Stubblefield***. (2020). Multiply robust predictive mean matching imputation with complex survey data. To appear at *Survey Methodology*

S. Chen, S. Yang and J. K. Kim. (2020+). Nonparametric mass imputation for data integration. To appear at *Journal of Survey Statistics and Methodology*

S. Chen, Y. Zhao, ***Y. Wang***. (2020+). Sample empirical likelihood estimator for scrambled responses under complex survey design. To appear at *Survey Methodology*

S. Chen and D. Haziza (2020+). A review of multiply robust estimation with missing data. Invited submission of Springer Book Chapter

S. Chen, *A. Stubblefield* and J. Stoner. (2020+). Oversampling of minority populations through dual-frame surveys . To appear at *Journal of Survey Statistics and Methodology*

S. Chen, D. Haziza and Z. Mashreghi (2020+). Multiply robust variance estimation in survey sampling with imputed values. To appear at *Journal of Survey Statistics and Methodology*

3rd Quarter

HPRC Faculty

Acorda, D., **Businelle, M.**, & Santa Maria, D. (in press). Behavioral impacts, acceptability, and recommendations for ecological momentary assessment among youth experiencing homelessness: A qualitative study. *JMIR Formative Research*.

Allicock, M., **Kendzor, D. E.**, Swartz, M., Gabriel, K. P. (2021). A Pilot and Feasibility Mobile Health Intervention to Support Healthy Behaviors in African American Breast Cancer Survivors. *Journal of Racial and Ethnic Health Disparities, 8*(1), 157-165.

Boozary, L. K., **Frank-Pearce, S. G.**, **Alexander, A. C.**, **Waring, J. C.**, **Ehlke, S. J.**, **Businelle, M. S.**, **Cohn, A. M.**, & **Kendzor, D. E.** (2021) Correlates of e-cigarette use among adults initiating smoking cessation treatment. *Drug and Alcohol Dependence* (In Press)

Bui, T. C., Sopheab, H., **Businelle, M. S**, Chhea, C., Ly, P. S., Vidrine, J. I., Thol, D., **Frank-Pearce, S. G.**, Vidrine, D. J. (in press). Mobile-health intervention for smoking cessation among Cambodian people living with HIV: A mixed-methods pilot study. *AIDS Care*.

Carter, A. L. & **Alexander, A.C.** (2021). 'It's a Whole Different Atmosphere': A Qualitative Examination of Social Support as a Facilitator of Exercise During the COVID-19 Pandemic. *Health Promotion and Practice* (In Press)

Cropsey, K. L., Wolford-Clevenger, C., Sisson, M. L., Chichester, K. R., Azuero, A**., Businelle, M. S.**, Hendricks, P. S., Shelton, R. C., Carpenter, M. J. (in press). A pilot study of nicotine replacement therapy sampling and selection to increase medication adherence in low-income smokers. *Nicotine & Tobacco Research*.

Daundasekara, S. S., Odoh, C., Hernandez, D. C., Santa Maria, D., Zvolensky, M. J., **Kendzor, D. E.**, & [§]**Businelle, M. S.** (in press). Depression is associated with poor physical health through lower distress tolerance among adults experiencing homelessness. *Journal of Social Distress and Homelessness.*

Dunn, D, Johnson AL, Sterling, K, **Cohn AM**. Differences in Reasons for Little Cigar/Cigarillo Use across White and Black Young Adult Ever Users (2021). *Addictive Behaviors*; 118. DOI:10.1016/j.addbeh.2021.106884

Hammett, P. J., **Businelle, M. S.**, Taylor, B. C., Erbes, C. R., Bastian, L., Doran, N., Sherman, S. E., Rogers, E. S., Burgess, D. J., Fu, S. S. (in press). The association between smoking abstinence and pain trajectory among veterans engaged in VA mental health care. *Pain Medicine*.

Mun, E-Y., Li, X., **Businelle, M. S.**, Tan, Z., Barnett, N. P., & Walters, S. T. (in press). Ecological momentary assessment of alcohol consumption and its concordance with transdermal alcohol detection and

timeline follow-back self-report among adults experiencing homelessness. *Alcoholism: Clinical and Experimental Research*.

Walters, S. T., **Businelle, M. S.**, Suchting, R., Li, X., Hébert, E. T., & Mun, E-Y. (in press). Using machine learning to identify predictors of imminent drinking and create tailored messages for at-risk drinkers experiencing homelessness. *Journal of Substance Abuse Treatment*.

HPRC Faculty Affiliates

Arrese, N., Cooper, M., White, A., **Chen, S**., DeLeon, S. (2021). Creating a Tool to Evaluate Interpretive Services on a Hospital System Level. Accepted by *Journal of Immigrant and Minority Health*

Clawson, A. H., Nwankwo, C. N., Baraldi, A. N., Cole, A. B., Berlin, K. S., Ruppe, N. M., & Blair, A. L. (2021). Longitudinal smoking patterns and adult cardiometabolic risk among African Americans. *Health Psychology, 40*(1), 51–61. https://doi.org/10.1037/hea0001039

Leshner, G., Stevens, E.M., **Cohn, A.M.**, Kim, S., Kim, N., Wagener, T.L., & Villanti, A.C. (in press). Cognitive and affective responses to marijuana prevention and educational messaging. Manuscript under review at *Drug and Alcohol Dependence*.

Leshner, G., Phan, L., Stevens, E.M., Johnson, A., Villanti, A., Kim, N., Kim, S., Ma, H., Seo, J., Keller-Hamilton, B., Wagener, T., & Mays, D. (in press). Psychophysiological responses to hookah tobacco public education messages among young adults. *Health Psychology.*

Rozich, N. S., Lewis, S., **Chen, S.**, Stewart, K. E., Dooley, W. C., Fischer, L. E., and Morris, K. T. (2020). Women survive longer than men undergoing cytoreductive surgery and HIPEC for appendiceal cancer. Accepted by *PLOS ONE.*

Scarton, L., Hebert, L., Goins, T., Umans, J., Luohua, J., Comiford, A., **Chen, S**., White, A., Ritter, T., and Manson, S. M. (2021). Diabetes and health-related quality of life among American Indians: the role of psychosocial factors. Accepted by *Quality of Life Research.*

Stevens, E. M., Hébert, E., Keller-Hamilton, B., **Frank-Pearce, S. G.**, Tackett, A. P., **Leshner, G.**, & Wagener, T. L. (2021). Associations between exposure to The Real Cost campaign, pro-tobacco advertisements, and tobacco use among youth in the United States. *American Journal of Preventive Medicine*, *60*(5), 706-710.

Stevens, E.M., **Leshner, G.**, **Cohn, A.M.**, Kim, S., & Wagener, T.L. (in press). How cannabis use status affects responses to anti-cannabis messages. *Cannabis*. (Journal of the Research Society of Marijuana RSMj).

Wu, H., **Rhoades, D.**, **Chen, S**., and Brown, B. (2021). Native American Patients with Chronic Obstructive Pulmonary Disease Exacerbations in a Tertiary Academic Medical Center – A Pilot Study. Accepted by *International Journal of Chronic Obstructive Pulmonary Disease*

4th Quarter

HPRC Faculty

Alexander, A. C., **Waring, J. J. C.**, Olurotimi, O., **Kurien, J.**, **Noble, B.**, **Businelle, M. S.**, **Ra, C. K.**, **Ehlke, S. J.**, **Boozary, L. K.**, **Cohn, A. M.**, & **Kendzor, D. E.** (2021). The relations between discrimination, stressful life events, and substance use among adults experiencing homelessness. *Stress and Health*, smi.3073. https://doi.org/10.1002/smi.3073

Cernasov, P., Walsh, E.C., Kinard, J.L., Kelley, L., Phillips, R., Pisoni, A., Eisenlohr-Moul, T.A., Arnold, M., Lowery, S.C., Ammirato, M., Nagy, G.A., **Oliver, J.A.**, Haworth, K., Smoski, M.J., & Dichter, G.S. (in press). Multilevel growth curve analyses of Behavioral Activation for Anhedonia (BATA) and Mindfulness-Based Cognitive Therapy effects on anhedonia and resting-state functional connectivity: Interim results of a randomized trial. *Journal of Affective Disorders.*

Chen-Sankey JC, van de Venne J, Westneat S, Rahman B, Folger S, Anesetti-Rothermel A, Debnam C, Ribisl KM, **Cohn AM**, Rose SW. Real-time Context of Tobacco Marketing Exposure and Community Vulnerability: An Ecological Momentary Assessment among Young Adults. *Annals of Behavioral Medicine. In Press.*

Cohn, A.M., **Alexander, A.C.**, **Ehlke, S.J.** (2021) Affirming the abuse liability and addiction potential of menthol: Differences in subjective appeal to smoking menthol versus non-menthol cigarettes across Black/African American and White young adult smokers. *Nicotine & Tobacco Research (In Press)*.

Eyestone, E., Williams, R. M., Luta, G., Kim, E., Toll, B. A., Rojewski, A., **Neil, J. M.,** Cincirpini, P. M., Cordon, M., Foley, K., Haas, J. S., Joseph, A., Minnix, J. A., Ostroff, J. S., Park, E. R., Rigotti, N., Sorgen, L., & Taylor, K. L. (2021). Predictors of enrollment of older, long-term smokers in six smoking cessation trials in the lung cancer screening setting: The smoking cessation at lung examination (SCALE) collaboration. *Nicotine and Tobacco Research.* DOI: 10.1093/ntr/ntab110

Flores, E. J., **Neil, J. M.,** Pappano, C. R., Muligan, C., Ujkaj, M., Tiersma, K., Park, E. R., Irwin, K. E. (In Press). Analysis of feasibility and acceptability of a lung cancer screening educational outreach pilot intervention tailored for individuals with serious mental illness. *Journal of American College of Radiology.*

Garey, L., Hébert, E. T., Mayorga, N. A., Chavez, F., Shepherd, J. M., **Businelle, M.**, & Zvolensky, M. J. (in press). Evaluating the feasibility and acceptability of a mobile based health technology for smoking cessation: Mobile Anxiety Sensitivity Program (MASP). *British Journal of Clinical Psychology*.

Joyce A. A., Styklunas G. M., Rigotti N. A., **Neil J. M.**, Park E. R., & Kruse G. R. (2021). Quit experiences among primary care patients enrolled in a smoking cessation pilot RCT early in the COVID-19 pandemic. *International Journal of Environmental Research and Public Health, 18* (3), 1011. DOI: 10.3390/ijerph18031011

Kalkhoran, S., Kalagher, M. K., **Neil, J. M.,** & Rigotti, N. A. (2021). Cigarette and e-cigarette use patterns and purchasing behaviors among cigarette smokers following a statewide e-cigarette sales ban. *Tobacco Regulatory Science, 7(2), 135-143.* DOI: 10.18001/TRS.7.2.5

Krieger, J. L., **Neil, J. M.,** Duke, K., Chavez, S., Zalake, M., Tavassoli, T., Vilaro, M., Wilson, D., Laber, E., Davidian, M., George, T. J., Modave, F., Odedina, F.T, & Lok, B. (2021). A pilot study examining the efficacy of delivering colorectal cancer screening messages via virtual health assistants. *American Journal of Preventive Medicine.* DOI: 10.1016/j.amepre.2021.01.014

Leshner, G., Stevens, E.M., **Cohn, A.M**., Kim, K., Kim, N., Wagener, T.L., Villanti, A.C. Cognitive and affective responses to marijuana prevention and educational messaging. Drug and Alcohol Dependence (accepted for publication).

Liautaud, M. M., Kechter, A., Bello, M. S., Guillot, C. R., **Oliver, J. A.**, Banks, D. E., D'Orazio, L. M., & Leventhal, A. M. (in press). Anhedonia in tobacco withdrawal among African American smokers. *Experimental and Clinical Psychopharmacology*.

McQuoid J, Kean H., Ling PM. Purposeful play: Exploring a bar-based anti-tobacco intervention for young adults. *Drugs: Education, Prevention and Policy*. 2021, 1-14. 10.1080/09687637.2021.1932753 https://doi.org/10.1080/09687637.2021.1932753

McQuoid J, Thrul J, Lopez-Paguyo K, Ling PM. Exploring multiple drug use by integrating mobile health and qualitative mapping methods - An individual case study. *International Journal of Drug Policy*. 2021, 97. 10.1016/j.drugpo.2021.103325 https://authors.elsevier.com/a/1dIRN3PEroVRz5

Neil. J. M., Chang, Y., Goshe, B., Rigotti, N. A., Gonzalez, I., Hawari, S., Ballini, L., Haas, J., Marotta, C., Wint, A., Harris, K., Flores, E. J., & Park, E.R. (2021). Web-based intervention to increase smokers' intentions to participate in a cessation study offered at the point of lung screening: Factorial randomized trial. *JMIR Formative Research.* DOI: 10.2196/28952

Ra, K. C., Hébert, E. T., **Alexander, A. C.**, **Kendzor, D. E.**, Suchting, R., **Businelle, M. S.** (in press). Unsheltered homeless and unstably housed adults have higher levels of stress and more health risk factors than sheltered homeless adults. *Journal of Social Distress and Homelessness*.

Santa Maria, D., Lightfoot, M., Nyamathi, A., **Businelle, M. S.**, Paul, M., Quadri, Y., Padhye, N., Torres, J., & Armijo, M. C. (in press). Come As You Are: Nurse case management HIV prevention intervention for youth experiencing homelessness study protocol. *JIMR Research Protocols,* e26716.

Santa Maria, D., Padhye, N., **Businelle, M.**, Yang, Y., Jones, J., Sims, A., & Lightfoot, M. (2021). Efficacy of a just-in-time adaptive intervention to promote HIV risk reduction behaviors among young adults experiencing homelessness. *Journal of Medical Internet Research*.

Vilaroa M. J., Wilson-Howard D. S., **Neil J. M.,** Tavassolid, F., Zalaked, M. S., Lok, B. C., Modave, F. P., George, T. J., Odedina, F., Carek, P. J., Mysa, A. M., & Krieger, J. L. (2021). A subjective cultural approach to cancer prevention: A comparison of rural Black and White patient perceptions of virtual health assistants to promote colorectal cancer screening. *Health Communication.* DOI: 10.1080/10410236.2021.1910166

Wilson-Howard D. S., Vilaroa M. J., **Neil J. M.,** Tavassolid, F., Zalaked, M. S., Lok, B. C., Modave, F. P., George, T. J., Odedina, F., Carek, P. J., Mysa, A. M., & Krieger, J. L. (In Press). Development of a credible virtual clinician (VC) promoting colorectal cancer screening via telehealth applications for and by Black men: A qualitative study. *JMIR mHealth and uHealth.*

HPRC Faculty Affiliates

Floyd EL, Greenlee S, Oni TM, Sadhasivam B, **Queimado L.** The Effect of Flow Rate on a Third Generation Sub-Ohm Tank Electronic Nicotine Delivery System - Comparison of CORESTA Flow Rates to more Realistic Flow Rates. *Int. J. Environ. Res. Public Health* 2021, 18(14), 7535; https://doi.org/10.3390/ijerph18147535

Milojevich, H. M., Lindquist, K. A., & Sheridan, M. A. (in press). Adversity and emotional functioning. *Affective Science*.

Norwalk, K. E., **Milojevich, H. M.**, Dawes, M., Hamm, J. V., & Farmer, T. W. (2021). Heterogeneity of social marginalization in early adolescence: Longitudinal associations with behavioral and social adjustment. *Journal of Youth and Adolescence*, 1-13. https://doi.org/10.1007/s10964-021-01457-5