

Rachel Vickers-Smith

Curriculum Vitae

University of Kentucky
Healthy Kentucky Research Building
760 Press Avenue
Lexington, KY 40536
Phone: (614) 961-9249
Email: rachel.vickers@uky.edu

EDUCATION

- 2012 – 2016 *University of Kentucky College of Public Health*
Ph.D., Departments of Epidemiology and Biostatistics
Dissertation: “Exploration of the misuse, abuse, and diversion of gabapentin.”
Advisor: Jennifer R. Havens, PhD, MPH
- 2008 – 2012 *University of Kentucky College of Public Health*
Master of Public Health, Department of Health Services Management
Capstone: “Rural-urban comparison of collaborations for service provision in decentralized rural and urban local health departments.”
Advisor: Julia F. Costich, JD, PhD
- 2003 – 2007 *Asbury University*
Bachelor of Arts in Chemistry, Minor in Latin

PROFESSIONAL EXPERIENCE

- 2020 – present **Assistant Professor (Tenure-track)**
University of Kentucky College of Public Health (Lexington, KY)
- 2018 – 2020 **Assistant Professor (Tenure-track)**
University of Louisville School of Nursing (Louisville, KY)
- 2015 – 2017 **Statistician**
Mental Illness Research, Education and Clinical Center (MIRECC)
Corporal Michael J. Crescenz VA Medical Center (Philadelphia, PA)
- 2015 – 2016 **Statistician**
Department of Health Behavior
University of Kentucky College of Public Health (Lexington, KY)
- 2015 **Student Researcher**
University of Kentucky College of Public Health (Lexington, KY)
*Project in Mayasandra, India
- 2013 – 2016 **Research Assistant**
Center on Drug and Alcohol Research, Department of Behavioral Science
University of Kentucky College of Medicine (Lexington, KY)
- 2013 **Data Analyst**
Department of Health Behavior
University of Kentucky College of Public Health (Lexington, KY)
- 2012 – 2013 **Research Assistant**

2011 – 2012 Department of Gerontology
University of Kentucky College of Public Health (Lexington, KY)
Clinical Research Coordinator

2011 Department of Cardiology
Gill Heart Institute at University of Kentucky (Lexington, KY)
Community Health Intern

2009 – 2011 University of Kentucky College of Public Health (Lexington, KY)
*Project at Tenwek Hospital in Bomet, Kenya
Data Manager

2008 – 2009 Department of Health Behavior
University of Kentucky College of Public Health (Lexington, KY)
Teaching Assistant

Department of Chemistry
University of Kentucky College of Arts and Sciences (Lexington, KY)

PROFESSIONAL DEVELOPMENT

**Denotes a competitive application process

05/2019 Course Design Institute
Delphi Center for Teaching and Learning
University of Louisville (Louisville, KY)

10/2018 – 05/2019 **Seminar on Teaching for New Faculty
Office of the Provost and Delphi Center for Teaching and Learning
University of Louisville (Louisville, KY)

10/2018 – 02/2019 **National Research Mentoring Network (NRMN) Grant Coaching
Program
Northwestern University at SACNAS Conference (San Antonio, TX)

02/2018 – 04/2018 Delphi University (Online course instruction)
Delphi Center for Teaching and Learning
University of Louisville (Louisville, KY)

03/2017 International Workshop on Statistical Methods for Complex Human Traits
University of Colorado Boulder (Boulder, CO)

AWARDS and HONORS

2019 Early Career Investigator Award
MVP Science Meeting

2019 Top 20 Most Cited Papers in 2018 (Published in 2016/2017)
Addiction

2017 Delta Omega, Honorary Society in Public Health
Beta Gamma Chapter, University of Kentucky

2016 Best Reviewer
Pharmacoepidemiology and Drug Safety

- 2015 Academic Enhancement Scholarship
University of Kentucky College of Public Health
- 2015 Student Travel Award
University of Kentucky Graduate School
- 2014 Outstanding Presentation Award (3rd place)
University of Kentucky College of Public Health
- 2012 CPH Exam Scholarship
University of Kentucky College of Public Health
- 2006 – 2007 Sigma Zeta, Honorary Society for Science & Mathematics
Alpha Theta Chapter, Asbury University
- 2003 – 2007 Dean’s List
Asbury University
- 2003 – 2007 Presidential Scholar
Asbury University
- 2002 Kentucky Governor’s Scholar
Kentucky Governor’s Scholars Program Foundation

CERTIFICATES

- 2012 Certificate in Public Health, *National Board of Public Health Examiners*

RESEARCH/GRANT SUPPORT (from present)

Active

NIH/NIDA UM DA049406 Walsh (PI) 09/01/20 - present
Kentucky CAN HEAL (Communities and Networks Helping End Addiction Long-Term)

This study is a large-scale, community intervention project to test the immediate impact of implementing a set of evidence-based interventions with the aim of reducing opioid overdose deaths by 40% in three years.

Role: Co-investigator

Veterans Affairs Office of Research & Development Kampman (PI) 04/15/19 - present
Pharmacogenetic study of opioid agonist treatments in MVP

This study aims to identify genetic predictors of opioid sensitivity, specifically the effectiveness of buprenorphine for maintenance treatment of opioid addiction and opioid dosing for pain treatment.

Role: Co-investigator

Veterans Affairs Office of Research & Development Federman, Justice, 11/16/15 – present
Kranzler (PIs)

Genetic vulnerability for sustained multi-substance use in MVP

The primary goal of the study is to examine genetic risk factors for the chronic use of alcohol, tobacco, and opioids, independently and in combination using data from the Million Veteran Program.

Role: Co-investigator

Completed

EVPRI Internal Research Grant Program – RII Grant Vickers-Smith (PI) 01/01/20 – 07/31/20
University of Louisville

Feasibility of Using Social Media to Detect Emerging Drugs of Abuse

The purpose of this study is to evaluate the feasibility and acceptability of using social media for surveillance of new drug use trends.

FEMA Lewis (PI) 08/19/18 – 07/31/20

Fire prevention and safety grant

The purpose of this project is to develop a tool that will streamline community risk assessments for rural fire departments, especially those responding to drug overdoses.

Role: Site Principal Investigator

NIH/NIAAA U01 AA026225 Barve (PI) 07/01/18 – 07/31/20

Alcohol associated comorbidities and microbiome evaluation in HIV (ACME HIV)

The purpose of this study is to investigate the effects of heavy alcohol drinking on intestinal microbiota and gut barrier dysfunction with consequent peripheral inflammation, which ultimately worsen neurocognitive functions in HIV-1 infected individuals.

Role: Additional Personnel (Statistician)

NIH/NIAAA U01 AA022618 Barve (PI) 07/01/18 – 07/31/20

Role of gut microbiome and DHA deficiency in alcohol induced neuroinflammation

The primary aim is to investigate the complex interactive mechanisms involving intestinal dysbiosis, systemic endotoxemia and inflammatory responses, and cerebral DHA deficiency in alcohol-induced injury.

Role: Additional Personnel (Statistician)

NIH/NIA R01 AG047297 Polivka (PI) 07/01/18 – 12/31/18

Asthma in older adults: identifying phenotypes and factors impacting outcomes

The overall goal of this study is to identify factors such as environmental exposures and type of living arrangements that impact asthma quality of life for older adults.

Role: Statistician

Veterans Affairs Office of Research & Development Oslin (PI) 01/05/17 – 12/01/17

PRIME Care (PRrecision Medicine in MEntal Health Care)

The focus of this study is on the impact of providing depressed Veterans and their providers with the results of pharmacogenetic testing for psychotropic medications. The project focuses on whether and how patients and providers use genetic test results given to them at the time an antidepressant is to be initiated to treat major depressive disorder and whether use of the test results improves patient outcomes.

Role: Senior Analyst

NIH/NIDA R01 DA024598 Havens (PI) 09/01/13-06/30/16

Social Networks and HIV Risk Among Rural Drug Users

The overall aim of this study is to examine the prevalence, incidence, and risk factors for HIV among rural Appalachian drug users through social network analysis.

Role: Research Assistant

Pilot Grant Program Smith (PI) 01/07/15-6/30/15

University of Kentucky College of Medicine

Exploration of gabapentin as an emerging drug of abuse

The primary goal is to investigate the experience of gabapentin abuse among people who daily abuse the drug in Appalachian Kentucky.

Role: Principal Investigator

NIH/NIMH R01 MH083621 Crosby (PI) 05/01/13-09/01/13

A Brief, Clinic-Based, HIV Prevention Program for African American Teen Males

This study is a randomized controlled trial to test the efficacy of a brief, clinic-based intervention designed to prevent STI acquisition among African American males aged 18-25.

Role: Data Analyst

NIH/NIDA K01 DA031764 Zanjani (PI) 08/15/12-08/30/13

Community Intervention Research on Prescription Drug Safety in Older Rural Adults

The purpose of this study is to examine prescription drug safety in older adults using a community-based health intervention for reducing alcohol consumption.

Role: Research Assistant

NIH/NIAID R01 AI068119 Crosby (PI) 03/01/09-02/01/11

Do Condoms Protect from Non-Viral Sexually Transmitted Infections?

The purpose of this study is to determine condom effectiveness against penile-vaginal acquisition of non-viral STIs using Personal Digital Assistants as an innovative approach for collecting data on sexual behaviors.

Role: Data Manager

Submitted

NIH/NIDA

Vickers-Smith (PI)

Dealers, Detectives, and People Who Use Drugs: Triangulating Perspectives to Understand COVID-19's Impact on the Rural Appalachian Drug Market and Mitigate Downstream HIV, HCV, and Overdose Risk

The purpose of this mixed-methods, community-engaged study is to yield urgently needed, local data on harm reduction strategies that could curb the historic spike in fentanyl-related overdoses in rural Appalachia and shed light on if and how HIV and HCV risk may be changing in response to COVID-19 and related policies.

Not Funded

NSF

Rouchka, Denvir, Wu (PIs)

R11 Track-2 FEC: Multistate data science initiative for harnessing big data to address the opioid epidemic

The purpose of this project is to focus on the big data aspects of the opioid crisis, and how in particular it is affecting the EPSCoR jurisdictions of Delaware, Kentucky, and West Virginia through developing data science approaches to generate and leverage a wealth of data concerning the genetics, socio-economics, geo-demographical, and social media aspects in order to provide predictive models to better inform policy and intervention.

Role: Co-investigator

(Priority: Medium; Resubmitted January 2020)

PUBLICATIONS (from present)

1. **Vickers-Smith, R.**, Cooper, H.L.F., & Young, A.M. (2020). COVID-19 and opioid use in Appalachian Kentucky: Challenges and silver linings. *Journal of Appalachian Health*, 2(4): 11-16. doi: 10.13023/jah.0204.03.
2. Young, A.M., Livingston, M., **Vickers-Smith, R.**, & Cooper, H.L.F. (In press). Emergence of wasp dope in rural Appalachian Kentucky. *Addiction*.
3. Serper, M., Vujkovic, M., Kaplan, D.E., Carr, R.M., Lee, K.M., Shao, Q., Miller, D.R., Reaven, P.D., Phillips, L.S., O'Donnell, C.J., Meigs, J.B., Wilson, P.W.F., **Vickers-Smith, R.**, Kranzler, H.R., Justice, A.C., Gaziano, M., Muralidhar, S., Pyarajan, S., DuVall, S.L., Assimes, T.L., Lee, J.S., Tsao, P.S., Rader, D.J., Damrauer, S.M., Lynch, J.A., Saleheen, D., Voight, B.F., Chang, K.-M. (2020). Validating a non-invasive, ALT-based non-alcoholic fatty liver phenotype in the Million Veteran Program. *PLOS ONE*, 15(8): e0237430. doi: 10.1371/journal/pone.0237430.
4. Xu, K., Li, B., McGinnis, K.A., **Vickers-Smith, R.**, Dao, C., Sun, N., Kember, R.L., Zhou, H., Becker, W.C., Gelernter, J., Kranzler, H.R., Zhao, H., Justice, A.C., & VA Million Veteran Program (2020). Genome-wide association study of smoking trajectory and meta-analysis of smoking status in 842,000 individuals. *Nature Communications*, 11, 5302. doi: 10.1038/s41467-020-18489-3.
5. Zhou, H., Sealock, J.M., Sanchez-Roige, S., Clarke, T.-K., Levey, D.F., Cheng, Z., Li, B., Polimanti, R., Kember, R.L., **Vickers-Smith, R.**, Thygesen, J.H., Morgan, M.Y., Atkinson, S.R., Thursz, M.R., Nyegaard, M., Mattheisen, M., Børglum, A.D., Johnson, E.C., Justice, A.C., Palmer, A.A., McQuillin, A., Davis, L.K., Edenberg, H.J., Agrawal, A., Kranzler, H.R., & Gelernter, J. (2020). Genome-wide meta-analysis of problematic alcohol use in 435,563 individuals yields insights into biology and relationships with other traits. *Nature Neuroscience*. doi: 10.1038/s41593-020-0643-5.
6. Mutchnick, I.S., Thatikunta, M., Braun, J., Bohn, M., Polivka, B., Daniels, M., **Vickers-Smith, R.**, Gump, W., & Moriarty, T. (In press). Protocol-driven prevention of perioperative hypothermia in the pediatric neurosurgical population. *Journal of Neurosurgery: Pediatrics*.
7. Cavallazzi, R., Polivka, B., Beatty, B., Antimisiaris, D., Gopalraj, R., **Vickers-Smith, R.**, & Folz, R. (In press). Current bronchodilator responsiveness criteria underestimate asthma in older adults. *Respiratory Care*.
8. **Vickers-Smith, R.**, Sun, J., Charnigo, R.J., Lofwall, M.R., Walsh, S.L., & Havens, J.R. (2020). Gabapentin drug misuse signals: A pharmacovigilance assessment using the FDA

- Adverse Event Reporting System. *Drug and Alcohol Dependence*, 206, 107709. doi: 10.1016/j.drugalcdep.2019.107709.
9. Logsdon, M.C., Lauf, A., Stikes, R., Revels, A., & **Vickers-Smith, R.** (2020). Partnering with new mothers to develop a smart phone app to prevent maternal mortality after hospital discharge: A pilot study. *Journal of Advanced Nursing*, 76(1), 324-327. doi: 10.1111/jan.14219.
 10. Gordon, K.S., McGinnis, K., Dao, C., Rentsch, C.T., Small, A., **Smith, R.V.**, Kember, R.L., Gelernter, J., Kranzler, H.R., Bryant, K.J., Tate, J.P., & Justice, A.C. (2020). Differentiating types of self-reported alcohol abstinence. *Aids and Behavior*, 24(2), 655-665. doi: 10.1007/s10461-019-02638-x.
 11. Rentsch, C.T., Edelman, E.J., Justice, A.C., Marshall, B.D.L., Xu, K., Smith, A.H., Crystal, S., Gaither, J.R., Gordon, A.J., **Smith, R.V.**, Kember, R.L., Polimanti, R., Gelernter, J., Fiellin, D.A., Tate, J.P., Kranzler, H.R., & Becker, W.C. for the VACS Project Team (2019). Patterns and correlates of prescription opioid receipt among US Veterans: A national, 18-year observational cohort study. *Aids and Behavior*, 23(12), 3340-3349. doi: 10.1007/s10461-019-02608-3.
 12. Kranzler, H.R., Zhou, H., Kember, R.L., **Vickers Smith, R.**, Justice, A.C., Damrauer, S., Tsao, P.S., Klarin, D., Baras, A., Reid, J., Overton, J., Rader, D.J., Cheng, Z., Tate, J.P., Becker, W.C., Concato, J., Xu, K., Polimanti, R., Zhao, H., & Gelernter, J. (2019). Genome-wide association study of alcohol consumption and use disorder in 274,424 individuals from multiple populations. *Nature Communications*, 10, 1499. doi: 10.1038/s41467-019-09480-8.
 13. Crosby, R., Mena, L., & **Vickers Smith, R.** (2019). Randomised controlled trial of a brief, clinic-based intervention to promote safer sex among young Black men who have sex with men: Implications for pre-exposure prophylaxis-related counselling. *Sexual Health*, 16(2), 187-191. doi: 10.1071/SH18156.
 14. Hammash, M., Wimsatt, A., Moser, D., Cameron, J., Biddle, M., Ski, C.F., Miller, J., Wright, J., Schrader, M., Thompson, D., Chung, M., McEvedy, S., & **Vickers Smith, R.** (2019). Perceived Control and Quality of Life among Recipients of Implantable Cardioverter Defibrillator. *Australian Critical Care*, 32(5), 383-390. doi: 10.1016/j.aucc.2018.08.005.
 15. **Vickers Smith, R.**, Kranzler, H.R., Justice, A.C., & Tate, J.P. on behalf of the Million Veteran Program (2019). Longitudinal drinking patterns and their clinical correlates in Million Veteran Program participants. *Alcoholism: Clinical and Experimental Research*, 43(3), 465-472.
 16. Zanjani, F., Allen, H., **Smith, R.V.**, Antimisiaris, D., Schoenberg, N., Martin, C., & Clayton, R. (2018). Pharmacy staff perspectives on alcohol and medication interaction prevention among older rural adults. *Gerontology and Geriatric Medicine*. doi: 10.1177/2333721418812274.
 17. Justice, A.C., **Smith, R.V.**, Tate, J.P., McGinnis, K., Xu, K., Becker, W.C., Lee, K-Y., Lynch, K., Sun, N., Concato, J., Fiellin, D.A., Zhao, H., Gelernter, J., & Kranzler, H.R. (2018). AUDIT-C and ICD codes as phenotypes for harmful alcohol use: association with

- ADH1B* polymorphisms in two U.S. populations. *Addiction*, 113(12), 2214-2224. doi: 10.1111/add.14374.
18. Chakravorty, S., **Smith, R.V.**, Perlis, M.L., Grandner, M.A., & Kranzler, H.R. (2018). Circadian pattern of deaths due to suicide in intoxicated alcohol-dependent individuals. *The Journal of Clinical Psychiatry*, 79(6), 17m11800. doi: 10.4088/JCP.17m11800.
 19. Closson, K., **Smith, R.V.**, Olarewaju, G., & Crosby, R. (2018). Associations between economic dependence, sexual behaviors, and sexually transmitted infections among young, Black, gay, bisexual and other men who have sex with men living with and without HIV in Jackson, Mississippi, USA. *Sexual Health*, 15(5), 473-476. doi: 10.1071/SH17218.
 20. Kalkstein, S., Scott, J.C., **Vickers Smith, R.**, & Cruz, J. (2018). Effectiveness of an anger control program among veterans with PTSD and other mental health issues: A comparative study. *Journal of Clinical Psychology* 74(9), 1422-1430. doi: 10.1002/jclp.22631.
 21. Naps, M.S., Maass, D., Kranzler, H.R., **Smith, R.V.**, Ingram, E., & Oslin, D.W. (2018). Predictors of treatment referral after AUDIT-C screening for heavy drinking. *Addictive Disorders and Their Treatment*, 17(3), 124-133. doi: 10.1097/ADT.000000000000134.
 22. Crosby, R.A., Mena, L., & **Smith, R.V.** (2018). Promoting positive condom use experiences among young black MSM: a randomized controlled trial of a brief, clinic-based intervention. *Health Education Research*, 33(3), 197-204. doi: 10.1093/her/cyy010.
 23. **Vickers Smith, R.**, Boland, E.M., Young, A.M., Lofwall, M.R., Quiroz, A., Staton, M., & Havens, J.R. (2018). A qualitative analysis of gabapentin misuse and diversion among people who use drugs in Appalachian Kentucky. *Psychology of Addictive Behaviors*, 32(1), 115-121. doi: 10.1037/adb0000337.
 24. Crosby, R.A., Mena, L., Salazar, L.F., Hardin, J.W., Brown, T., & **Vickers Smith, R.** (2018). Efficacy of a clinic-based safer sex program for HIV-uninfected and HIV-infected young black MSM: a randomized controlled trial. *Sexually Transmitted Diseases*, 45(3), 169-176. doi: 10.1097/OLQ.0000000000000721.
 25. Hershenberg, R., **Smith, R.V.**, Goodson, J.T., & Thase, M.E. (2018). Activating Veterans toward sources of reward: a pilot report on development, feasibility, and clinical outcomes of a 12-week behavioral activation group treatment. *Cognitive and Behavioral Practice*, 25(1), 57-69. doi: 10.1016/J.CBPRA.2017.04.001.
 26. Douglas-Newman, K.R., **Smith, R.V.**, Spiers, M.V., Pond, T., & Kranzler, H.R. (2017). Effects of recent alcohol consumption level on neurocognitive performance in HIV+ individuals. *Addictive Disorders and Their Treatment*, 16(3), 95-107. doi: 10.1097/ADT.0000000000000109.
 27. Kranzler, H.R., **Smith, R.V.**, Schnoll, R., Moustafa, A., & Greenstreet-Akman, E. (2017). Precision medicine and pharmacogenetics: what does oncology have that addiction medicine does not? *Addiction*, 112(12), 2086-2094. doi: 10.1111/add.13818.
 28. Boland, E., Rao, H., Dinges, D.F., **Smith, R.V.**, Goel, N., Detre, J., Basner, M., Sheline, Y., Thase, M.E., & Gehrman, P.R. (2017). Meta-analysis of the antidepressant

effects of therapeutic sleep deprivation. *The Journal of Clinical Psychiatry*, 78(8), e1020-e1034. doi: 10.4088/JCP.16r11332.

(Media reports on *msn.com*, *dailymail.co.uk*, *nypost.com*, *usnews.com*, *sciencedaily.com*, *worldhealth.net*, *thesun.co.uk*, *aol.com*, and over 60 other websites)

29. Goodson, J.T., Helstrom, A.W., Marino, E.J., & **Smith, R.V.** (2017). The impact of service-connected disability and therapist experience on outcomes from prolonged exposure therapy with Veterans. *Psychological Trauma: Theory, Research, Practice, and Policy*, 9(6), 647-654. doi: 10.1037/tra0000260.
30. Mark, K.P., **Smith, R.V.**, Young, A.M., & Crosby, R. (2017). Comparing 3-month recall to daily reporting of sexual behaviors. *Sexually Transmitted Infections*, 93(3), 196-201. doi: 10.1136/sextrans-2016-052556.
31. **Smith, R.V.**, Young, A.M., Mullins, U.B., & Havens, J.R. (2017). Individual and network correlates of antisocial personality disorder among rural nonmedical prescription opioid users. *Journal of Rural Health*, 33(2), 198-207. doi: 10.1111/jrh.12184.
32. Zanjani, F., Crook, L., **Smith, R.**, Antimisiaris, D., Schoenberg, N., Martin, C., & Clayton, R. (2016). Community pharmacy staff perspectives on programming to prevent alcohol and medication interactions in older adults. *Journal of the American Pharmacists Association*, 56(5), 544-548. doi: 10.1016/j.japh.2016.04.561.
33. Zanjani, F.J., **Smith, R.**, Slavova, S., Charnigo, R.J., Schoenberg, N., Martin, C., & Clayton, R. (2016). Concurrent alcohol and medication poisoning hospital admissions among older rural and urban residents. *American Journal of Drug and Alcohol Abuse*, 42(4), 422-430. doi: 10.3109/00952990.2016.1154966.
34. **Smith, R.V.**, Havens, J.R., & Walsh, S.L. (2016). Gabapentin misuse, abuse, and diversion: a systematic review. *Addiction*, 111(7), 1160-1174. doi: 10.1111/add.13324.
(One of Top 20 most cited papers in *Addiction* in 2018)
35. **Smith, R.V.**, Lofwall, M.R., & Havens, J.R. (2015). Abuse and diversion of gabapentin among nonmedical prescription opioid users in Appalachian Kentucky. *American Journal of Psychiatry*, 172(5), 487-488. doi: 10.1176/appi.ajp.2014.14101272.
36. Crosby, R.A., Charnigo, R.J., Salazar, L.F., Pasternak, R., Terrell, I., Ricks, J., **Smith, R.V.**, & Taylor, S. (2014). Enhancing condom use among young black males: a randomized controlled trial. *American Journal of Public Health*, 104(11), 2219-2225. doi: 10.2105/AJPH.2014.302131.

Manuscripts Under Review

1. Helstrom, A., & **Vickers-Smith, R.** (2020). The relationship between hearing difficulty and tinnitus distress. Manuscript submitted for publication in *American Journal of Audiology*.
2. Oldfield, B., Li, Y., **Vickers-Smith, R.**, Becker, W., Barry, D., Crystal, S., Gordon, K., Kerns, R., Rentsch, C., Marshall, B.D.L., & Edelman, E.J. (2020). Sociodemographic and

clinical correlates of gabapentin receipt with and without opioids among a national cohort of patients with HIV. Manuscript submitted for publication in *Journal of General Internal Medicine*.

3. Becker, W.C., Li, Y., Caniglia, E.C., **Vickers-Smith, R.**, Feinberg, T., Marshall, B.D.L., & Edelman, E.J. (2020). Cannabis use, pain interference, and prescription opioid receipt among persons with HIV: A target trial emulation study. Manuscript submitted for publication in *AIDS Care*.

PRESENTATIONS (from present) (SELECTED)

Presentations at Scholarly Meetings (Peer-Reviewed)

**Denotes a podium presentation; † denotes student work.

1. †Figg, H.E. & **Vickers-Smith, R.** A qualitative descriptive analysis of Erowid gabapentinoid forum posts. University of Louisville Undergraduate Arts and Research Showcase. April 2020. (Louisville, KY)
2. ****Vickers-Smith, R.**, Justice, A.C., Becker, W.C., Rentsch, C.T., Tate, J.P., & Kranzler, H.R. African-American Veterans are more likely than white Veterans to receive an alcohol use disorder diagnosis at hazardous levels of self-reported drinking: Implications for alcohol-related phenotyping in MVP. MVP Science Meeting. September 2019. (Philadelphia, PA)
3. ****Kember RL, Zhou H, Smith RV, Justice AC, Damrauer S, Tsao PS, Klarin D, Rader DJ, Gelernter J, Kranzler HR.** Genetic associations of alcohol consumption and alcohol use disorder and their medical comorbidities. Research Society on Alcoholism. June 2019. (Minneapolis, MN)
4. McGinnis K, Gordon K, Dao C, Rentsch C, Small A, **Smith R**, Kember R, Gelernter J, Kranzler H, Bryant K, Justice A. Differentiating types of alcohol abstinence to enhance genetic discovery. Research Society on Alcoholism. June 23, 2019. (Minneapolis, MN)
5. Singhal, R., **Smith, R.**, Stocke, K., Ghare, S., Vadhanam, M., Lioznov, D., Krupitsky, E., Armah, K., Gnatienco, N., Samet, J., Bryant, K., McClain, C., Freiberg, M., & Barve, S. Metagenomic analyses reveal a significant enrichment of “pro-inflammatory” Enterovacteriaceae associated with very heavy alcohol drinking and HIV infection. Research Society on Alcoholism. June 2019. (Minneapolis, MN)
6. Serper, M., Vujkovic, M., Kaplan, D.E., Carr, R.M., Lees, K., Shao, Q., Miller, D., Huang, J., Reaven, P.D., Phillips, L.S., O’Donnell, C.J., Meigs, J.B., Wilson, P.W.F., **Smith, R.**, Kranzler, H.R., Justice, A.C., Gaziano, J.M., Concato, J., Muralidhar, S., Cho, K., Assimes, T.L., Lee, J.S., Tsao, P., Damrauer, S.M., Rader, D.J., Lynch, J., Saleheen, D., Chang, K.-M., & DuVall, S.L. on behalf of the VA Million Veteran Program. Validation of established genetic loci for non-alcoholic fatty liver disease (NAFLD) and their contribution to NAFLD phenotype in 194,457 individuals enrolled in the Million Veteran Program. AASLD Liver Meeting. November 2018. (San Francisco, CA)

7. Zhou, H., Kranzler, H.R., Kember, R.L., **Smith, R.V.**, Justice, A.C., Damrauer, S., Klarin, D.M., Polimanti, R., Cheng, Z., Reid, J., Overton, J., Tate, J.P., Becker, W.C., Concato, J., Xu, K., & Gelernter, J. on behalf of the VA Million Veteran Program. GWASs of alcohol consumption and alcohol use in a multi-ancestry US veteran population (N=274,424) yield both overlapping and differing risk loci. American Society of Human Genetics, October 18, 2018 (San Diego, CA)
8. ****Li, B.**, Justice, A.C., McGinnis, K.A., Sun, N., **Smith, R.V.**, Dao, C., Tate, J.P., Becker, W.C., Gelernter, J., Kranzler, H.R., Zhao, H., & Xu, K. on behalf of the VA Million Veteran Program. Genome-wide association study of tobacco smoking among European Americans in Million Veteran Program (MVP). American Society of Human Genetics, October 17, 2018. (San Diego, CA)
9. **Vickers Smith, R.**, Kranzler, H.R., Justice, A.C., & Tate, J.P. on behalf of the VA Million Veteran Program. Trajectories of Repeated AUDIT-C Scores as a Phenotype for GWAS Discovery. College on Problems of Drug Dependence. June 2018. (San Diego, CA)
10. ****Lookatch, S.**, **Smith, R.**, McKay, J., Gelernter, J., & Kranzler, H. The impact of substance dependence on healthcare utilization patterns. Addiction Health Services Research Conference. October 2017. (Madison, WI)
11. Boland, E.M., **Smith, R.V.**, Burke, T., Bart, C., Nusslock, R., & Alloy, L.B. High behavioral approach system (BAS) sensitivity is associated with increased effortful pursuit of rewards at low, but not medium or high, levels of reward probability. The Society for Research in Psychopathology. October 2016. (Baltimore, MD)
12. ****Mark, K.**, **Smith, R.**, Young, A., & Crosby, R. Understanding misclassification bias in sex research: comparing three-month recall to daily reporting of sexual behaviors. The Society for the Scientific Study of Sexuality. November 2015. (Albuquerque, NM)
13. **Smith, R.V.**, Lofwall, M.R., Walsh, S., & Havens, J.R. Diverted Buprenorphine Use Among Appalachian People Who Use Drugs. College on Drug and Alcohol Dependence. June 2015. (Phoenix, AZ)
14. Zanjani, F., **Smith, R.**, Crook, L., Clayton, R., Schoenberg, N., & Martin, C. Preventing Alcohol and Medication Interactions: Pharmacist Interviews. The Gerontological Society of America Annual Scientific Meeting. November 2014. (Washington, DC)
15. Zanjani, F., **Smith, R.**, Clayton, R., Schoenberg, N., & Martin, C. Preventing Alcohol and Medication Interactions in Collaboration with Pharmacists. 35th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine. April 2014. (Philadelphia, PA)
16. ****Smith, R.V.**, Young, A.M., Mullins, U.B., & Havens, J.R. Individual and Network Correlates of Antisocial Personality Disorder among Rural Nonmedical Prescription Opioid Users. University of Kentucky Center for Clinical and Translational Science Public Health Research Day. March 2014. (Lexington, KY)

17. Zanjani, F., **Smith, R.**, Clayton, R., Martin, C., & Schoenberg, N.E. Preventing Alcohol and Medication Interactions: Pharmacist Viewpoint. The Gerontological Society of America Annual Scientific Meeting. November 2013. (New Orleans, LA)
18. ****Smith, R.V.**, Johnson, A.J., Charnigo, R., & Costich, J. Collaborative Service Provision in Rural and Urban Health Departments. University of Kentucky Center for Clinical and Translational Science Public Health Research Day. April 2013. (Lexington, KY)
19. Crosby, R.A., Shrier, L., Charnigo, R., & **Vickers, R.A.** Reducing Misclassification Bias in Sex Research Through the Use of Personal Digital Assistants. Third Youth Annual Conference on Youth and Technology & Sexual Health. February 2010. (San Francisco, CA)
20. ****Vickers, R.A.**, Pospisil, K., & Dwoskin, L. Nicotine Stimulation of the Nitrosylation of Tyrosine Residues in Rat Striatum, in vivo. Kentucky Academy of Science Annual Meeting. November 2006. (Morehead, KY)

Invited, Non-refereed Presentations

1. **University of Kentucky Local NIDA (Neuroscientists Interested in Drug Abuse)** (Lexington, KY). “Identifying Abuse Signals: What can we learn from gabapentin?” November 5, 2020.
2. **University of Louisville Delphi Center** (Louisville, KY). “The Grit of Teaching.” Lightning talk given during the 2018-2019 Seminar on Teaching for New Faculty (Facilitators: Drs. Marie Kendall Brown and Barry Horowitz). April 10, 2019.
3. **University of Louisville School of Nursing** (Louisville, KY). “Statistical Methods for DNP Projects.” Guest lecture given to NURS 746 Project Development and Evaluation (Primary Instructor: Dr. Mary DeLetter). March 21, 2019.
4. Havens, J.R. & **Smith, R.V.** The emergence of gabapentin and pregabalin abuse – a national perspective. Oral presentation at the *National Association of State and Controlled Substances Authorities* Annual Meeting. November 1, 2018. (Scottsdale, AZ)
5. **University of Kentucky College of Public Health Lunch and Learn Series** (Lexington, KY). “Publish Together, Perish Together? Strategies for Faculty and Student Co-authorship and Publishing.” Moderator for Panel Discussion. September 25, 2015.
6. **Kentucky Pharmacy Law Review** (Lexington, KY). “Gabapentin as a drug of abuse: What do we know?” April 17, 2015.
7. **Fulbright Global Health Innovations Seminar** (Hosted by the University of Kentucky with funding from the Institute of International Education) (Lexington, KY). Panelist for Global Health Innovations/Trends panel discussion: “Innovative Business Models that Leverage ‘Conscious Consumerism’: Perspectives on Impact on Global Health and Community Development.” February 26, 2015.

Media Interviews

The Carlat Addiction Treatment Report. (May 2020). “Gabapentin misuse and diversion.” Interviewer: Benjamin Oldfield. <https://www.thecarlatreport.com/newsletter-issue/catrv8n3-4/>.

UofL Today with Mark Hebert. (March 18, 2019) “E-sports; Polypharmacy, alcohol and older adults; 3-D printing and surgery.” Interviewer: Mark Hebert. <https://soundcloud.com/uofl/03-18-19-ult-humsantimisariusvickerssmithalsoufi>.

UofL Today with Mark Hebert. (February 26, 2019) “Veterans drinking habits; Bitcoin; Asthma in older folks.” Interviewer: Mark Hebert. <https://soundcloud.com/uofl/02-26-19-ult-vickerssmith-luther-antimisiaris>.

Insider Louisville. (December 4, 2018) “Fatal and nonfatal overdoses in Louisville down from last year’s record highs.” Interviewer: Joe Sonka. <https://insiderlouisville.com/health/drug-epidemic/fatal-and-nonfatal-overdoses-in-louisville-down-from-last-years-record-highs/>.

UofL Today with Mark Hebert. (November 20, 2018) “UofL Police Chief, ACA impact on cancer screenings; Universe dark side.” Interviewer: Mark Hebert. <https://soundcloud.com/uofl/11-26-18-ult-kolikonda-smith>.

Pew Charitable Trust. (May 1, 2018) “Abuse of opioid alternative gabapentin is on the rise.” Interviewer: Christine Vestal. <http://www.pewtrusts.org/en/research-and-analysis/blogs/stateline/2018/05/10/abuse-of-opioid-alternative-gabapentin-is-on-the-rise>.

Associated Press. (February 28, 2018) “Drug epidemic ensnares 25-year-old pill for nerve pain.” Interviewer: Matthew Perrone. <https://apnews.com/70e49b15a082431db4938c5a324df677/Drug-epidemic-ensnares-25-year-old-pill-for-nerve-pain>.

Courier Journal. (February 26, 2018) “Drug touted as a safe alternative to painkillers has been found in more Louisville deaths.” Interviewer: Beth Warren. <https://www.courier-journal.com/story/news/crime/2018/03/26/gabapentin-overdose-deaths-louisville-fatal-addiction/372489002/>.

KFSN-TV Fresno. (February 19, 2018) “Local health experts concerned over a spike in the use of common medications.” Interviewer: Dale Yurong. <http://abc30.com/health/local-health-experts-concerned-over-a-spike-in-the-use-of-common-medications/3109256/>.

Natcom Global. (August 15, 2017) Topic: Gabapentin abuse. Interviewer: Charlene Bert. Referenced in “Abuse on the rise of prescription drug gabapentin, known as ‘Johnnys’”, <http://www.wxyz.com/news/local-news/investigations/with-abuse-on-the-rise-experts-warn-about-johnnys-the-prescription-drug-gabapentin>; “Rampant abuse of ‘cure all’ prescription

gabapentin”, <http://www.wmcactionnews5.com/story/36513692/rampant-abuse-of-cure-all-prescription-gabapentin>; “Growing concerns as the use of gabapentin increases”, <http://www.abc2news.com/news/local-news/investigations/growing-concerns-as-the-use-of-gabapentin-increases>; and more than 10 other news stories nationwide.

TEACHING

Spring 2020	NURS 515 – ‘Research Scholar Program’ <i>University of Louisville School of Nursing</i> Faculty Mentor Enrollment: 1 student
Spring 2020	NURS 714 – ‘Research Methodology IV: Analysis of Existing Data’ <i>University of Louisville School of Nursing</i> Primary Instructor Enrollment: 6 students
Fall 2019	NURS 515 – ‘Research Scholar Program’ <i>University of Louisville School of Nursing</i> Faculty Mentor Enrollment: 1 student
Fall 2019	NURS 652 – ‘Advanced Statistical Application’ – Online hybrid <i>University of Louisville School of Nursing</i> Primary Instructor Enrollment: 39 students
Spring 2019	NURS 714 – ‘Research Methodology IV: Analysis of Existing Data’ <i>University of Louisville School of Nursing</i> Primary Instructor Enrollment: 4 students
Fall 2018	NURS 652 – ‘Advanced Statistical Application’ – Online hybrid <i>University of Louisville School of Nursing</i> Primary Instructor Enrollment: 40 students
Summer 2018	NURS 652 – ‘Advanced Statistics’ <i>University of Louisville School of Nursing</i> Primary Instructor Enrollment: 30 students
Spring 2018	NURS 714 – ‘Research Methodology IV: Analysis of Existing Data’ <i>University of Louisville School of Nursing</i> Primary Instructor Enrollment: 4 students
Spring 2009	CHE 113 - ‘General Chemistry II Laboratory’ Department of Chemistry <i>University of Kentucky</i> Teaching Assistant (Primary Instructor: Allison Soult, PhD) Taught 2 sections
Fall 2008	CHE 111 - ‘General Chemistry I Laboratory’ Department of Chemistry <i>University of Kentucky</i>

Teaching Assistant (Primary Instructor: Allison Soult, PhD)
Taught 3 sections

ADVISING AND MENTORING

2020 – present Jordan Wilson
College of Public Health Department of Epidemiology
University of Kentucky
Role: Member, Capstone Advisory Committee (MPH)

2019 – present Jason Turner
J.B. Speed School of Engineering
University of Louisville
Role: Member, Doctoral Dissertation Advisory Committee (PhD)

2019 – 2020 Karen Schuckmann
School of Nursing
University of Louisville
Role: Member, Doctoral Dissertation Advisory Committee (PhD)

2019 – 2020 Amy Wimsatt
School of Nursing
University of Louisville
Role: Member, Doctoral Dissertation Advisory Committee (PhD)

2019 – 2020 Hedaya Hina
School of Nursing
University of Louisville
Role: Member, Doctoral Dissertation Advisory Committee (PhD)

2018 – 2020 Melissa Amraotkar
School of Nursing
University of Louisville
Role: Member, Doctoral Dissertation Advisory Committee (PhD)

2018 – 2019 Barbra Cave
School of Nursing
University of Louisville
Role: Member, Doctoral Dissertation Advisory Committee (PhD)

SERVICE

University Service

2020 Special Title Series Faculty Search Committee (Member), *University of Kentucky College of Public Health Department of Epidemiology*

2020 Staff Employee Award Selection Committee (Member), *University of Kentucky College of Public Health*

2020 - present Research and Scholarship Committee (Member), *University of Kentucky College of Public Health*

2019 – 2020 Research and Scholarship Committee (Chair), *University of Louisville School of Nursing*

2019 Summer Research Opportunity Program Selection Committee (Member), *University of Louisville*

2018 – 2020	Wellbeing and Resilience Workgroup (Member), <i>University of Louisville</i>
2018 - 2019	Research and Scholarship Committee (Member), <i>University of Louisville School of Nursing</i>
2014 – 2015	Research Committee (Member), <i>University of Kentucky College of Public Health</i>
2013 – 2014	Mentor, <i>University of Kentucky College of Public Health</i>

Field Editor

11/01/19 – present	<i>Alcoholism: Clinical and Experimental Research</i>
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Ad Hoc Journal Review

2020	<i>Journal of Appalachian Health</i>
2020	<i>Pharmacology and Therapeutics</i>
2019	<i>Alcohol and Alcoholism</i>
2019	<i>Journal of Substance Abuse Treatment</i>
2019	<i>Gerontology and Geriatric Medicine</i>
2018, 2020	<i>Drug and Alcohol Dependence</i>
2018	<i>Journal of Substance Use</i>
2018	<i>British Journal of Clinical Pharmacology</i>
2017	<i>Journal of Urban Health</i>
2016	<i>Pharmacoepidemiology and Drug Safety</i>
2016	<i>The Journal of Rural Health</i>
2015, 2016	<i>Clinical Drug Investigation</i>

Memberships in Professional Societies

2020 – present	International Society for the Study of Emerging Drugs (ISSED)
2019 – present	Society for Epidemiologic Research (SER)
2009 – 2015;	American Public Health Association (APHA)
2019 - present	

Professional Service

2016	CPH Exam Content Mapper, <i>National Board of Public Health Examiners</i>
2014 - 2015	Student Assembly Abstract Reviewer, <i>APHA Annual Meeting and Exposition</i>

Community Service

2018 - 2019	Program Evaluation Volunteer, Tutapona (Uganda)
2018	duPont Manual High School Student Science Fair Mentor (Louisville, KY)
2015	University of Kentucky Shoulder-to-Shoulder Organization (India)
2013 – 2015	Lexington-Fayette County Medical Reserve Corps
2013 – 2015	Kentucky Public Health Assistance and Support Team (KPHAST)
2011	Volunteer, WGM Kenya (Bomet, Kenya)
2011	Operations Volunteer, Refugee Clinic (Lexington, KY)
2009	University of Kentucky Shoulder-to-Shoulder Organization (Ecuador)

2005

Hurricane Katrina Relief Volunteer (Pass Christian, MS)