

Svetla Slavova, Ph.D.

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Present Positions:

Professor, Department of Biostatistics
Acting Associate Dean for Research, College of Public Health
University of Kentucky

Education

2008	PhD in Statistics, University of Kentucky, Lexington, KY
2002	M.S. in Statistics, University of Kentucky, Lexington, KY
1990	M.S. in Computer Science, Sofia University, Bulgaria

Professional Employment

07/2023- Present	Professor, Regular Title Series, Department of Biostatistics, College of Public Health, University of Kentucky
07/2022-Present	Acting Associate Dean for Research, College of Public Health, University of Kentucky
07/2019-06/2023	Associate Professor, Regular Title Series, Department of Biostatistics, College of Public Health, University of Kentucky
04/2015-06/2019	Associate Professor, Research Title Series, Department of Biostatistics, College of Public Health, University of Kentucky
09/2010-04/2015	Assistant Professor, Research Title Series, Department of Biostatistics, College of Public Health, University of Kentucky
01/2008-08/2010	Assistant Director for Research and Analysis, Office of Institutional Research, University of Kentucky
05/2003-01/2008	Statistician, Kentucky Injury Prevention and Research Center, University of Kentucky
01/2003-05/2003	Part-time Instructor in Biostatistics, School of Public Health, University of Kentucky
08/2001-12/2002	Graduate Teaching Assistant, Department of Statistics, University of Kentucky
01/2001-05/2001	Graduate Teaching Assistant, Department of Computer Science, University of Kentucky
02/1996-12/2000	Assistant Professor in Computer Science, Veliko Turnovo University, Bulgaria
02/1993-12/1996	Instructor in Computer Science, Veliko Turnovo University, Bulgaria
12/1990-02/1993	Computer Programmer, Information Technologies, Veliko Turnovo, Bulgaria

Honors and Awards

2023	Best Paper of the Year Award, College of Public Health, University of Kentucky for the paper "Signal of increased opioid overdose during COVID-19 from emergency medical services data", the most cited paper in the journal Drug and Alcohol Dependence in 2022
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2019	University Research Professorship Award 2019-2020, University of Kentucky
2019	Jess Kraus Award for best paper published in <i>Injury Epidemiology</i> in 2018 The effects of external-cause-of-injury coding system transition on injury hospitalization trends – Winner of the Jess Kraus Award - On Health (biomedcentral.com)
2018	Distinguished Leader Award from the Council of State and Territorial Epidemiologists
2018	Lexington-Fayette County Health Department's Dr. Rice C. Leach Public Health Hero Award
2017	Delta Omega Honorary Society in Public Health
2008	R. L. Anderson Student Research Award, Department of Statistics, University of KY

Grants and Awards

2022-2027	Contact Principal Investigator (multiple principal investigator [MPI] with Dr. Jeff Talbert), Rapid Actionable Data for Opioid Response in Kentucky (RADOR-KY), National Institute of Drug Abuse, R01, \$3.1mil
2022-2025	Principal Investigator (MPI with Dr. Nab Dasgupta) Opioid Data Lab: Understanding Overdose Through Scientific Innovation, Food and Drug Administration, \$2mil
2019-2023	Co-Investigator and Co-Director for KY DIB (Data, Informatics, and Biostatistics) Core, HEALing Communities Study, National Institute on Drug Abuse, \$87 million
2018-2022	Principal Investigator (MPI with Dr. Nab Dasgupta) – Methodological Advances in Evaluating Abuse Deterrent Opioid Analgesics, Food and Drug Administration, \$3.2mil
2018-2022	Principal Investigator - Action Research to Reduce Opioid Supply and Demand Bureau of Justice Assistance, \$1mil
2019-2023	Co-Investigator , Overdose Data to Action, Centers for Disease Control and Prevention, \$7 million
2017-2021	Principal Investigator - Data-Driven Responses to Prescription Drug Misuse in Kentucky, Bureau of Justice Assistance, \$600,000
2016-2021	Principal Investigator - Injury Surveillance Quality Improvement, Centers for Disease Control and Prevention, \$750,000
2016-2019	Principal Investigator (MPI with Dr. Terry Bunn) – Enhanced State Surveillance of Opioid-involved Mortality and Morbidity, Centers for Disease Control and Prevention, \$1,224,750
2016-2019	Co-Investigator – Kentucky Prevention for States - Supplement, Centers for Disease Control and Prevention, \$2.8mil
2015-2019	Co-Investigator – Kentucky Prescription Drug Overdose Prevention Program, Centers for Disease Control and Prevention, \$3.8mil
2014-2017	Principal Investigator - Data-Driven Multidisciplinary Approaches to Reducing the Prescription Drug Abuse in KY, Bureau of Justice Assistance, \$399,888
2015-2020	Co-Investigator - Kentucky Occupational Safety and Health Surveillance program, Centers for Disease Control and Prevention/ National Institute for Occupational Safety and Health, \$1.4mil
2011-2016	Co-Investigator – Core Violence and Injury Prevention Program, Centers for Disease Control and Prevention, \$1.2mil
2014-2015	Principal Investigator –KY Trauma Registry and police CRASH integration and surveillance quality improvement, National Highway Traffic Safety Administration/KTC, \$80,425
2014-2015	Co-Investigator – Prescription Drug Overdose Prevention Boost Program, Centers for Disease Control and Prevention, \$360,000

2014-2015	Co-investigator – Expanding KY Trauma Registry Reporting, National Highway Traffic Safety Administration/KTC, \$90,244
2013-2014	Principal Investigator –Probabilistic linkage of KY Trauma Registry and police CRASH databases and quality improvement of data elements for the presence of drugs and alcohol in injured drivers, National Highway Traffic Safety Administration/KTC, \$67,489
2013-2014	Co-Investigator –Trauma Registry expansion, National Highway Traffic Safety Administration/KTC, \$61,600
2010- 2015	Co-Investigator - Kentucky Occupational Safety and Health Surveillance program, Centers for Disease Control and Prevention/ National Institute for Occupational Safety and Health, \$350,000
2010- 2015	Co-Investigator - Kentucky Fatality Assessment and Control Evaluation program, Centers for Disease Control and Prevention/ National Institute for Occupational Safety and Health, \$992,905
2013-2014	Co-Investigator - State Injury Prevention Program, Kentucky Department for Public Health, \$242,888
2011-2011	Principal Investigator - Kentucky Health Benefits Exchange background research, KY Office of Health Policy, \$309,600

Publications

1. Miracle DK, Smith N, Slavova S, et al. Drug disposal deserts: An assessment of receptacle availability in Kentucky community pharmacies. *J Rural Health*. 2023;1-7.
2. Britch SC, Walsh SL, Vickers-Smith R, Babalonis S, **Slavova S**. Cannabinoid Poisoning-Related Emergency Department Visits and Inpatient Hospitalizations in Kentucky, 2017 to 2019. *Subst Use Misuse*2023;58(1):66-76.
3. **Slavova S**, Freeman PR, Rock P, et al. Changing Trends in Drug Overdose Mortality in Kentucky: An Examination of Race and Ethnicity, Age, and Contributing Drugs, 2016-2020. *Public Health Reports*. Jan-Feb 2023;138(1):131-139.
4. Lei F, Lofwall MR, Freeman PR, Slade E, Vickers-Smith R, **Slavova S***. Changes in transmucosal buprenorphine utilization for opioid use disorder treatment during the COVID-19 pandemic in Kentucky. *J Rural Health*. Jan 2023;39(1):186-196.
*contact and senior author for mentored doctoral student research paper
5. Ward PJ, Young AM, **Slavova S**, et al. Deep Neural Networks for Fine-Grained Surveillance of Overdose Mortality. *Am J Epidemiol*. Feb 1 2023;192(2):257-266.
6. Oyler DR, **Slavova S**, Brown JR, Dasgupta N, Freeman PR. Kentucky pharmacists' experiences in dispensing abuse-deterrent opioid analgesics. *J Am Pharm Assoc (2003)*. Nov-Dec 2022;62(6):1836-1842.
7. Miracle DK, **Slavova S**, Brown JR, Dasgupta N, Harris S, Freeman PR. Accuracy and validity of reported opioid prescription days' supply. *Pharmacoepidemiol Drug Saf*. Dec 2022;31(12):1253-1261.
8. Oyler DR, Slade E, **Slavova S**, et al. Effect of a Multimodal Analgesic Protocol on Short-Term and Long-Term Opioid Use After Orthopaedic Trauma. *J Orthop Trauma*. Aug 1 2022;36(8):326-331.
9. Oyler DR, **Slavova S**, Freeman PR, et al. Broadband internet subscription rates and opioid prescribing via telemedicine during the COVID-19 pandemic. *J Rural Health*. Sep 2022;38(4):900-907.
10. Hansen AC, **Slavova S**, O'Brien JM. Rural residency as a risk factor for severe maternal morbidity. *J Rural Health*. Jan 2022;38(1):161-170.

11. Dasgupta N, Brown JR, Nocera M, Lazard A, **Slavova S**, Freeman PR. Abuse-Deterrent Opioids: A Survey of Physician Beliefs, Behaviors, and Psychology. *Pain Ther.* Mar 2022;11(1):133-151.
12. Siddiqi K, Freeman PR, Fanucchi LC, **Slavova S***. Rural-urban differences in hospitalizations for opioid use-associated infective endocarditis in Kentucky, 2016-2019. *J Rural Health.* Jun 2022;38(3):604-611.
*contact and senior author for mentored student research paper
13. Rock PJ, Quesinberry D, Singleton MD, **Slavova S**. Emergency Medical Services and Syndromic Surveillance: A Comparison with Traditional Surveillance and Effects on Timeliness. *Public Health Reports.* 2021/11/01 2021;136(1_suppl):72S-79S.
14. **Slavova S**, Quesinberry D, Hargrove S, et al. Trends in Drug Overdose Mortality Rates in Kentucky, 2019-2020. *JAMA Network Open.* 2021;4(7):e2116391-e2116391.
15. Root ED, **Slavova S**, LaRochelle M, et al. The impact of the National Stay-at-Home Order on Emergency Department Visits for Suspected Opioid Overdose During the First Wave of the COVID-19 Pandemic. *Drug and Alcohol Dependence.* 2021/08/28/ 2021:108977.
16. Larochelle MR, **Slavova S**, Root ED, et al. Disparities in Opioid Overdose Death Trends by Race/Ethnicity, 2018–2019, From the HEALing Communities Study. *American Journal of Public Health.* 2021:e1-e4.
17. Hansen A, Quesinberry D, Akpunonu P, Martin J, **Slavova S***. Validation of ICD-10-CM codes for injuries complicating pregnancy, childbirth and the puerperium: a medical record review. *Inj Prev.* Mar 2021;27(S1):i9-i12.
*contact and senior author for mentored doctoral student research paper
18. Oh G, **Slavova S**, Freeman PR. Characterization of gabapentin use in Kentucky after reclassification as a Schedule V controlled substance. *J Am Pharm Assoc (2003).* 2021 Jan 6:S1544-3191(20)30633-6. doi: 10.1016/j.japh.2020.12.012. Epub ahead of print. PMID: 33422420.
19. Gabella BA, Hathaway JE, Hume B, et al. Multisite medical record review of emergency department visits for traumatic brain injury. *Inj Prev.* Mar 2021;27(S1):i42-i48.
20. Brown JR, Oh G, Wang Y, **Slavova S**, Delcher C, Dasgupta N, et al. Variation in Abuse-Deterrent Formulation Opioid Prescribing in California, Florida, and Kentucky in 2018. *The Journal of rural health : official journal of the American Rural Health Association and the National Rural Health Care Association.* 2021;37(1):23-8.
21. Peterson A, Gabella BA, Johnson J, et al. Multisite medical record review of emergency department visits for unspecified injury of head following the ICD-10-CM coding transition. *Inj Prev.* Mar 2021;27(S1):i13-i18.
22. **Slavova S**, LaRochelle MR, Root E, et al. Operationalizing and selecting outcome measures for the HEALing Communities Study. *Drug and Alcohol Dependence.* 2020/10/02/ 2020:108328.
23. **Slavova S***, Rock P, Bush HM, Quesinberry D, Walsh SL. Signal of Increased Opioid Overdose during COVID-19 from Emergency Medical Services Data. *Drug and Alcohol Dependence.* Sep 1 2020;214:108176
*The [top cited](#) article in *Drug and Alcohol Dependence* for the past 3 years (as of 06-22-2022)
24. Walsh SL, El-Bassel N, Jackson R, et al. The HEALing (Helping End Addiction Long-Term) Communities Study: Protocol for a cluster-randomized trial at the community level to reduce opioid overdose deaths through implementation of an integrated set of evidence-based practices. *Drug & Alcohol Dependence.* 2020/10/17/ 2020:108335.
25. Warwick J, **Slavova S***, Bush J, Costich J. Validation of ICD-10-CM surveillance codes for traumatic brain injury inpatient hospitalizations. *Brain Injury.* 2020:1-8.
*contact and senior author for mentored student research paper

26. **Slavova S**, Quesinberry D, Costich JF, et al. ICD-10-CM-Based Definitions for Emergency Department Opioid Poisoning Surveillance: Electronic Health Record Case Confirmation Study. *Public Health Rep.* Mar/Apr 2020;135(2):262-269.
27. Pauly NJ, Delcher C, **Slavova S**, Lindahl E, Talbert J, Freeman PR. Trends in Gabapentin Prescribing in a Commercially Insured U.S. Adult Population, 2009-2016. *J Manag Care Spec Pharm.* Mar 2020;26(3):246-252.
28. Ward PJ, Rock PJ, **Slavova S**, Young AM, Bunn TL, Kavuluru R. Enhancing timeliness of drug overdose mortality surveillance: A machine learning approach. *PLoS One.* 2019;14(10):e0223318.
29. **Slavova S***, Delcher C, Buchanich JM, Bunn TL, Goldberger BA, Costich JF. Methodological Complexities in Quantifying Rates of Fatal Opioid-Related Overdose. *Current Epidemiology Reports.* 2019;6(2):263-274.
*invited paper
30. Luu H, **Slavova S***, Freeman PR, Lofwall M, Browning S, Bush H. Trends and Patterns of Opioid Analgesic Prescribing: Regional and Rural-Urban Variations in Kentucky From 2012 to 2015. *J Rural Health.* Jan 2019;35(1):97-107.
*contact author for directed doctoral student research paper
31. Luu H, **Slavova S***, Freeman PR, et al. Association between buprenorphine/naloxone and high-dose opioid analgesic prescribing in Kentucky, 2012-2017. *Drug Alcohol Depend.* Oct 3 2019;205:107606.
*contact author for directed doctoral student research paper
32. Bunn TL, **Slavova S**, Rock PJ. Association between commercial vehicle driver at-fault crashes involving sleepiness/fatigue and proximity to rest areas and truck stops. *Accid Anal Prev.* May 2019;126:3-9.
33. Delcher C, **Slavova S**, Wang Y, Henry SG. Opioid prescribing before and after the Centers for Disease Control and Prevention's 2016 Opioid Guideline. *Annals of internal medicine.* 2019; 170(8):581-2.
34. Witt WS, Bunn TL, **Slavova S**. Workers compensation-reported injuries among security and law enforcement personnel in the private versus public sectors. *Injury Epidemiology.* July 02 2018;5(1):27.
35. **Slavova S**, Miller A, Bunn TL, et al. Prevalence of gabapentin in drug overdose postmortem toxicology testing results. *Drug Alcohol Depend.* Mar 10 2018;186:80-85.
36. **Slavova S***, Costich JF, Luu H, et al. Interrupted time series design to evaluate the effect of the ICD-9-CM to ICD-10-CM coding transition on injury hospitalization trends. *Injury epidemiology.* 2018;5(1):36:1-12.
* Jess Kraus Award for best paper published in *Injury Epidemiology* in 2018
37. Pauly NJ, **Slavova S**, Delcher C, Freeman PR, Talbert J. Features of prescription drug monitoring programs associated with reduced rates of prescription opioid-related poisonings. *Drug Alcohol Depend.* Mar 1 2018;184:26-32.
38. Hargrove SL, Bunn TL, **Slavova S** Establishment of a comprehensive drug overdose fatality surveillance system in Kentucky to inform drug overdose prevention policies, interventions and best practices. *Inj Prev.* Feb 2018;24(1):60-67.
39. Bunn TL, **Slavova S**, Chandler M, Hanner N, Singleton M. Surveillance of Traffic Incident Management- Related Occupational Fatalities in Kentucky, 2005-2016. *Traffic Inj Prev.* Jan 30 2018:0.
40. Cruz Y, Bunn TL, Hanner N, **Slavova S**. Characterization of Foreign-Born vs. Native-Born Worker Fatalities in Kentucky, 2001-2014. *J Immigr Minor Health.* Apr 2018;20(2):448-455.

41. **Slavova S***, Costich JF, Bunn TL, et al. Heroin and fentanyl overdoses in Kentucky: Epidemiology and surveillance. *Int J Drug Policy*. Aug 2017;46:120-129.
*invited paper
42. **Slavova S**, Bunn T, Hargrove S, Corey T, Ingram V. Linking Death Certificates, Postmortem Toxicology, and Prescription History Data for Better Identification of Populations at Increased Risk for Drug Intoxication Deaths. *Pharmaceutical Medicine*. 2017;31(3):155-165.
43. Delcher C, Chen G, Wang Y, **Slavova S**, Goldberger BA. Fatal poisonings involving propoxyphene before and after voluntary withdrawal from the United States' market: An analysis from the state of Florida. *Forensic Sci Int*. Oct 14 2017;280:228-232.
44. Chandler MD, Bunn TL, **Slavova S**. Narrative and quantitative analyses of workers' compensation-covered injuries in short-haul vs. long-haul trucking. *Int J Inj Contr Saf Promot*. Mar 2017;24(1):120-130.
45. Zanjani F, Smith R, **Slavova S**, et al. Concurrent alcohol and medication poisoning hospital admissions among older rural and urban residents. *Am J Drug Alcohol Abuse*. Jul 2016;42(4):422-430.
46. Ranzenberger K, Bunn TL, **Slavova S**. Healthcare Industry Injuries by Patient Contact Status in Kentucky, 2012-2014. *South Med J*. Oct 2016;109(10):599-605.
47. Bunn TL, Ouyang BJ, **Slavova S**. Newborn Congenital Malformations Associated With Prenatal Exposure to Drugs in Kentucky, 2009-2013. *South Med J*. Feb 2016;109(2):124-129.
48. Brinker K, Jacobs T, Shire J, et al. Fatal Work-Related Injuries: Southeastern United States, 2008-2011. *Workplace Health Saf*. Apr 2016;64(4):135-140.
49. **Slavova S**, O'Brien DB, Creppage K, et al. Drug Overdose Deaths: Let's Get Specific. *Public Health Rep*. Jul-Aug 2015;130(4):339-342.
50. **Slavova S**, Bunn TL. Work-related concussion surveillance. *Am J Ind Med*. Jan 2015;58(1):40-45.
51. Costich JF, **Slavova S**. Using Enforcement and Adjudication Data to Assess the Impact of a Primary Safety Belt Law. *Traffic Inj Prev*. 2015;16(7):664-668.
52. Beggs JA, **Slavova S**, Bunn TL. Patterns of pneumoconiosis mortality in Kentucky: Analysis of death certificate data. *Am J Ind Med*. Oct 2015;58(10):1075-1082.
53. **Slavova S**, Bunn TL, Talbert J. Drug overdose surveillance using hospital discharge data. *Public Health Rep*. Sep-Oct 2014;129(5):437-445.
54. Rudd RA, Paulozzi LJ, Bauer MJ, et al. Increases in heroin overdose deaths - 28 States, 2010 to 2012. *MMWR Morb Mortal Wkly Rep*. Oct 3 2014;63(39):849-854.
55. Howard AF, Costich JF, Mattacola CG, **Slavova S**, Bush HM, Scutchfield FD. A statewide assessment of youth sports- and recreation-related injuries using emergency department administrative records. *J Adolesc Health*. Nov 2014;55(5):627-632.
56. Bunn TL, **Slavova S**, Bernard AC. Work-related injuries in a state trauma registry: relationship between industry and drug screening. *J Trauma Acute Care Surg*. Aug 2014;77(2):280-285.
57. Bunn TL, Bush A, **Slavova S**. Drug Overdose Deaths by Specific Employment Industry, Occupation, and Drug Type. *J KY Med Assoc*. 2014;112(8):201-209.
58. Jacobsen L, Bunn, T. L., & **Slavova, S**. Human and Environmental Factors Associated with Adult Bicycle-Motor Vehicle Collisions in Kentucky. *J KY Med Assoc*. 2013;112:5-11.
59. Bunn T, **Slavova S**, Robertson M. Motor vehicle injuries among semi truck drivers and sleeper berth passengers. *J Safety Res*. Feb 2013;44:51-55.
60. Bunn T, Singleton M, Nicholson V, **Slavova S**. Concordance of motor vehicle crash, emergency department, and inpatient hospitalization data sets in the identification of drugs in injured drivers. *Traffic Inj Prev*. 2013;14(7):680-689.

61. **Slavova S**, Bunn, T. L., Singleton, M., Bush, H. M., & Livingston, S. C. . Statewide Emergency Department Visits and Hospitalizations with Concussion Diagnoses. *J KY Med Assoc*. 2012;110:191-198.
62. Bunn TL, **Slavova S**, Robertson M. Crash and burn? Vehicle, collision, and driver factors that influence motor vehicle collision fires. *Accid Anal Prev*. Jul 2012;47:140-145.
63. Bunn TL, **Slavova S**, Tang M. Injuries among solid waste collectors in the private versus public sectors. *Waste Manag Res*. Oct 2011;29(10):1043-1052.
64. Pavlov D, **Slavova S**, & Kryscio R. . Estimating Relative Risk on the Line Using Nearest Neighbor Statistics. . *Methodology and Computing in Applied Probability*. 2009;11(2):249-265.
65. Ireson CL, **Slavova S**, Steltenkamp CL, Scutchfield FD. Bridging the care continuum: patient information needs for specialist referrals. *BMC Health Serv Res*. Sep 15 2009;9:163.
66. Bunn TL, Yu L, **Slavova S**, Bathke A. The effects of semi truck driver age and gender and the presence of passengers on collisions with other vehicles. *Traffic Inj Prev*. Jun 2009;10(3):266-272.
67. Adogwa O, Costich JF, Hill R, **Slavova S**. Does higher surgical volume predict better patient outcomes? *J Ky Med Assoc*. Jan 2009;107(1):10-16.
68. **Slavova S**, Bunn T, Kryscio R. Consistency of the k-th Nearest Neighbor Estimator of the Relative Risk and its Application to Injury Surveillance. *Mathematics and Education in Mathematics*. 2008;2008:232-238.
69. Downey LM, Ireson CL, **Slavova S**, McKee G. Defining elements of success: a critical pathway of coalition development. *Health Promot Pract*. Apr 2008;9(2):130-139.
70. Bunn TL, **Slavova S**, Spiller HA, Colvin J, Bathke A, Nicholson VJ. The effect of poison control center consultation on accidental poisoning inpatient hospitalizations with preexisting medical conditions. *J Toxicol Environ Health A*. 2008;71(4):283-288.
71. Bunn TL, **Slavova S**, Hall L. Narrative text analysis of Kentucky tractor fatality reports. *Accid Anal Prev*. Mar 2008;40(2):419-425.
72. Zaba JN, Reynolds W, Mozlin R, Costich J, **Slavova S**, Steele GT. Comparing the effectiveness of vision screenings as part of the school entrance physical examination to comprehensive vision examinations in children ages 3 to 6: an exploratory study. *Optometry*. Oct 2007;78(10):514-522.
73. Tarima SS, **Slavova S**, Fritsch TA, Hall LM. Probability estimation when some observations are grouped. *Stat Med*. Apr 15 2007;26(8):1745-1761.
74. Bunn TL, **Slavova S**, Bathke A. Data linkage of inpatient hospitalization and workers' claims data sets to characterize occupational falls. *J Ky Med Assoc*. Jul 2007;105(7):313-320.
75. Bunn T, Costich J, **Slavova S**. Identification and characterization of Kentucky self-employed occupational injury fatalities using multiple sources, 1995-2004. *Am J Ind Med*. Dec 2006;49(12):1005-1012.
76. Bunn TL, **Slavova S**, Struttmann TW, Browning SR. Sleepiness/fatigue and distraction/inattention as factors for fatal versus nonfatal commercial motor vehicle driver injuries. *Accid Anal Prev*. Sep 2005;37(5):862-869.
77. **Slavova S**. Approximation of Plane Convex Sets by Circumscribed Polygons. *Mathematics and Education in Mathematics*. 1998; :128-134.
78. Kirov N, **Slavova S**, & Parhomenko T. Dialog System for Calculation the Dimension of Strange Attractors. *Mathematics and Education in Mathematics*. 1991:300-307

Invited participation in national expert panels

1. A two-year term on the National Center for Health Statistics (NCHS) Board of Scientific Counselors (BSC) PCORTF (Patient-centered Outcomes Research Trust Fund) Drug Workgroup (2018-2020)
2. *Surveillance & Sharing of Overdose Data for Action*, American Medical Association, Chicago, August 5-6, 2019.
3. *CSTE Substance Use and Mental Health Strategic Planning Meeting*, Council of State and Territorial Epidemiologists (CSTE), September 18-19, 2017, Atlanta, GA.
4. *Improving the Completeness and Specificity of Drug Information on Death Certificates*, Association of State and Territorial Health Officials (ASHTO), August 28-29, 2017, Arlington, VA.
5. *The southern opioid epidemic: Crafting an effective public health response*, organized by The Rollins School of Public Health at Emory University, The Vanderbilt Institute for Global Health at Vanderbilt University, and the Center for Drug Use and HIV Research at New York University, Atlanta, December 19-20, 2016.
6. *Heroin Consultation Meeting*, Centers for Disease Control and Prevention (CDC), June 9, 2016, Atlanta, GA.

National Reports and Guideline Documents

1. Association of State and Territorial Health Officials (ASHTO). *Improving Drug Specificity and Completeness on Death Certificates for Overdose Deaths: Opportunities and Challenges for States*. Feb 2018. Arlington, VA.
2. Council of State and Territorial Epidemiologists (CSTE). *Recommended CSTE Surveillance Indicators for Substance Abuse and Mental Health, Version 3*, Jan 2019, Atlanta, GA. Available from:
https://cdn.ymaws.com/www.cste.org/resource/resmgr/crosscutting/CSTE_Substance_Abuse_and_Men.pdf
3. Sabel J, Peol, A, Tuazon, E, Paone, D, Slavova, S, Bunn, T. L. . *Recommendations And Lessons Learned For Improved Reporting Of Drug Overdose Deaths On Death Certificates*. Council of State and Territorial Epidemiologists. Atlanta, GA. 2016. Available from:
http://c.ymcdn.com/sites/www.cste.org/resource/resmgr/PDFs/PDFs2/4_25_2016_FINAL-Drug_Overdos.pdf
4. Davis JW, Sabel JC, Wright D, Slavova S. *Epi Tool to Analyze Overdose Death Data*. Council of State and Territorial Epidemiologists. Atlanta, GA. 2015 [Available from:
<http://www.cste.org/group/overdoseworkgroup>

Selected Conference Presentations

1. Slavova, S., Lei, F, Moga, DC, Slade, E, Hammerslag,LR, Dasgupta, N, Lofwall, MR, Freeman, P, DiPrete, B, *Patterns of buprenorphine initiation treatment for opioid use disorder and association with opioid-related overdose deaths*. 38th International Conference on Pharmacoepidemiology, Copenhagen, Denmark, Accepted, for oral presentation, 2022
2. Slavova S, *Public Health Surveillance During COVID-19*, 2022 National Rx and Illicit Drug Summit, April 18-21, 2022, Atlanta, GA
3. Britch SC, Walsh SL., Vickers-Smith R, Babalonis S, Slavova S. (2022, June). *Cannabinoid Toxicity-related Emergency Department Visits and Inpatient Hospitalizations in Kentucky, 2017-2019*. Poster presentation at the 32nd Annual ICRS Symposium on the Cannabinoids, Galway, Ireland.
4. Hammerslag LR, Slavova S, Westgate PM, Lofwall MR, Freeman PR, Talbert J. *Telemedicine visits support buprenorphine treatment initiation during the Covid-19 pandemic*. College on Problems

- of Drug Dependence 84th Annual Scientific Meeting, June 11-15, 2022, Minneapolis, Minnesota; 2022.
5. Oyler D, Slavova S. Using Prescription Data to Initiate Targeted Education and Inform Prevention Efforts, 2021 National Rx Drug Abuse and Heroin Summit, virtual, April 4-6, 2021
 6. Brown JR, Slavova S, Dasgupta N, Freeman PR. Prescribing and Dispensing Abuse-Deterrent Opioids: A Survey of Physicians and Pharmacists. AcademyHealth Annual Research Meeting 2020.
 7. Hansen, A., Slavova, S., O'Brien, J. Rurality as a Contemporary Risk Factor for Severe Maternal Morbidity. Society for Maternal Fetal Medicine Annual Conference. February, 2020.
 8. Slavova S. Trends in high-risk opioid analgesic prescribing. Rx Drug Abuse and Heroin Summit. April 22-25, 2019. Atlanta, GA. <https://ws.onehub.com/files/zywhobee>
 9. Hansen, A. and Slavova, S. Risk Factors Associated with Severe Maternal Morbidity in Kentucky's Pregnant Population. Kentucky Public Health Association. April, 2019.
*This doctoral student poster was presented with an award for Outstanding Epidemiology by the Kentucky Public Health Association.
 10. Slavova S, Eustice S, Quesinberry D, Costich J, Bunn T. ICD-10-CM-based Drug Poisoning indicator Definitions: Case Confirmation Study, 2018 CSTE Annual Conference, West Palm Beach, FL, June 9-14, 2018.
 11. Slavova, S. Analysis and Reporting of Injury-Related Inpatient Hospitalizations Using ICD-10-CM-coded Administrative Billing Data. 2017 CSTE Annual Conference, Boise, Idaho, June 3-8, 2017.
 12. Slavova S, Luu H. Analytical models using PDMP data. Bureau of Justice Assistance grantee meeting. Washington DC. March 30, 2017.
 13. Slavova S. Epidemiology of opioid misuse, overdose, and related health consequences in Kentucky and programmatic responses. Research symposium "The southern opioid epidemic: Crafting an effective public health response", Atlanta, December 19-20, 2016, organized by The Rollins School of Public Health at Emory University, The Vanderbilt Institute for Global Health at Vanderbilt University, and the Center for Drug Use and HIV Research at New York University.
*Invited presentation
 14. Slavova S, LaMantia S, Bunn T, Corey T. Identification of Specific Drugs and Drug Diversion in Drug Overdose Fatalities. The Safe States Alliance 2016 Annual Meeting, April 12-14, 2016, Albuquerque, NM.
 15. Slavova S, Sabel J, Davis JW, Wright D, & Paone D. Building Epidemiological capacity for drug overdose surveillance in the U.S. Health Departments. Paper presented at the Safety 2016 World Conference, Tampere, Finland, September 18-21, 2016.
 16. Slavova S, Bunn T, LaMantia S, Corey T. Improving State Drug Overdose Fatality (DOF) Surveillance Using Policy and Epidemiological Tools. 12th World Conference on Injury Prevention and Safety Promotion, 18-21 September, 2016, Tampere, Finland.
 17. Slavova S. Identifying Abuse and Overdose Risks by Analyzing PDMP Data. BJA Smart Suite Summit. September 7-9, 2016. Arlington, VA.
 18. Slavova S, Bunn T. Data integration and analysis for improved drug overdose surveillance in Kentucky. BJA Research-Practitioner Partnership & Data-Driven Pilots National Meeting. August 15-17, 2016. Washington, DC.

Books

S. Slavova, E. Todorova, K. Kirilova, Programming with Pascal, ISBN 954-90275-2-X, BI Publishing, 1998, V.Turnovo

Service and Leadership

Editorial Board Member- *Injury Epidemiology*

VPR Research Data Management Task Force; Leader for Workgroup 1 on Data Origin, Jan 2022 – Present

National Center for Health Statistics Board of Scientific Counselors PCOR Drug Workgroup (2018-2020)

HEALing Communities Study, NIDA – Co-Director for the Kentucky Data, Informatics, and Biostatistics

Core, and representative for the Kentucky team on the consortium's Data Capture Work Group, 2019-Present;

Council of State and Territorial Epidemiologists (CSTE) Overdose Subcommittee – Chair (2015-2018)

*Received the CSTE 2018 Leadership Award

KyCHFS opioid response workgroup

CSTE Committee on the transition to ICD10CM

CSTE Occupational Health Indicators Workgroup

CSTE Injury Subcommittee

CSTE Prescription Drug Monitoring Program Subcommittee

CSTE Occupational Health Subcommittee

CSTE Substance Abuse and Mental Health Indicators Workgroup

CSTE Substance Abuse Subcommittee

CSTE Alcohol and Other Drugs Subcommittee

CSTE Overdose Guidance Document Workgroup

Kentucky Department for Public Health Data Workgroup

KSPAN Drug Abuse Subcommittee

KSPAN Child Maltreatment Subcommittee

Kentucky State Trauma System Performance Improvement Committee

Kentucky Occupational Safety and Health Advisory Board

Kentucky Transportation Cabinet's Kentucky Traffic Records Advisory committee

CPH hiring search committees (Biostatistics Department Chair, KIPRC Associate Director)

Professional Development

Sep-Dec, 2021 Chairs' Academy, University of Kentucky

July 2020 SAS Educator Workshop, Nov 1-10, 2021; SAS Institute

July 2020 SAS Educator Workshop, July 27- 30, 2020; SAS Institute

July 2004 Summer Program in Applied Biostatistical and Epidemiological Methods, Ohio State University

1998-2000 Post-graduate research in Applied Mathematics, Veliko Turnovo University, Bulgaria

Mentoring

PhD Dissertation Committee- 2023 – Present, Karalynne Cook, Department of Epidemiology, UK

PhD Dissertation Committee- (Chair) - 2021 – 2022, Feitong Lei, Department of Biostatistics, UK

PhD Dissertation Committee- 2021 – Present, Shawn Nigam, Department of Biostatistics, UK

PhD Dissertation Committee- 2021 – Present, Dustin Miracle, College of Pharmacy, UK

PhD Advisory Committee- 2022 – Present, Peter Rock, Clinical and Translational Science, UK

Post-doctoral Fellow- 2020- 2023, GYeon Oh- Pharmacoepidemiology, Institute for Pharmaceutical Outcomes and Policy, College of Pharmacy

F30 Fellow- 2020 – 2024, Anna Hansen, MD/PhD program, College of Medicine and College of Arts and Sciences, University of Kentucky (UK)

Post-doctoral Fellow- 2020- 2023, Stevie Britch, Department of Behavioral Science, UK

PhD Dissertation Committee- (Co-chair) - 2019 – 2021, Patrick Ward, Department of Biostatistics, UK

PhD Dissertation Committee- 2019 – 2022, Anna Hansen, Department of Sociology, UK
 MSc Capstone Committee- (Chair) - 2019 – 2020, James Warwick, MD/MS in Medical Science, Clinical and Translational Science program, College of Medicine, UK.
 PhD Dissertation Committee- 2019 – 2020, John Brown, College of Pharmacy, UK
 PhD Dissertation Committee- 2018 – 2019, Jessin Joseph, College of Pharmacy, UK
 PhD Dissertation Committee- (Chair) - 2016 – 2018, Huong Luu, Department of Biostatistics, UK
 *Huong Luu received the Best PhD Student Award from the College of Public Health
 PhD Dissertation Committee- 2015 – 2018, Nathan Pauly, College of Pharmacy, UK
 PhD Dissertation Committee- 2014 – 2016, Wei Gao, Department of Statistics, UK
 MPH Capstone Committee- 2016 – 2017, Neil Horsley, College of Public Health, UK
 MPH Capstone Committee- 2015 – 2016, Yaillet Cruz, College of Public Health, UK
 PhD Dissertation Committee- 2014 – 2015, Catherine Starnes, College of Public Health, UK
 MPH Capstone Committee- 2014 – 2015, Marjorie Stanek, College of Public Health, UK
 MPH Capstone Committee- 2014 – 2015, Mark Chandler, College of Public Health, UK
 MPH Capstone Committee- 2014 – 2015, Allison Christian, College of Public Health, UK
 MPH Capstone Committee- 2014 – 2015, Jake Beggs, College of Public Health, UK
 MPH Capstone Committee- 2013 – 2014, Betty Ouyang, College of Public Health, UK
 DrPH Capstone Committee- 2012 – 2013, Janie Webster, College of Public Health, UK
 MPH Capstone Committee- 2012 – 2013, Lea Jacobsen, College of Public Health, UK
 DrPH Capstone Committee- 2011 – 2012, Alex Howard, College of Public Health, UK
 MPH Capstone Committee- 2011 – 2012, Mary Wheeler, College of Public Health, UK
 PhD Dissertation Committee- 2011 – 2012, Zilong Wang, Department of Statistics, UK

- Junior Faculty Mentoring Committee (Chair)- 2021- Present, Meredith Duncan, Assistant Professor, Department of Biostatistics

Mentoring of Graduate Research Assistants (GRAs)

Feitong Lei, doctoral student in Epidemiology/Biostatistics
 Rena Wang, doctoral student in Epidemiology/Biostatistics
 Dustin Miracle, doctoral student in Pharmaceutical Outcomes and Policy
 GYeon Oh, doctoral student in Epidemiology/Biostatistics
 John Brown, doctoral student in Pharmaceutical Outcomes and Policy
 Anna Hansen, doctoral student in Sociology
 Huong Luu, doctoral student in Epidemiology/Biostatistics
 Joshua Lambert, doctoral student on Statistics
 Jane Singleton, doctoral student in Biostatistics
 Wei Gao, doctoral student in Statistics

Teaching and Instruction

CPH 738, Statistical Methods in Public Health Surveillance, Spring 2022, 3 credit hours
 CPH 330, Health Analytics I, Spring 2021, 3 credit hours
 CPH 739, Independent Studies in Biostatistics, Spring 2021: Feitong Lei
 CPH 330, Health Analytics I, Spring 2020
 CPH 739, Independent Studies in Biostatistics, Spring 2019: Peter Rock
 CPH 739, Independent Studies in Biostatistics, Spring 2019: Anna Hansen
 CPH 719, Independent Studies in Epidemiology, Spring 2019: Patrick Ward
 CPH 719, Independent Studies in Epidemiology, Spring 2017: Huong Luu

