

## Curriculum Vitae

### JEFFERY C. TALBERT

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#### TITLE AND DEPARTMENT

Professor and Division Chief, Biomedical Informatics, Internal Medicine  
Director, Institute for Biomedical Informatics  
Associate Director, Center for Clinical and Translational Science

#### EDUCATION

B.S.: Political Science, Texas A&M University, 1989  
M.A.: Political Science, Texas A&M University, 1991  
Ph.D.: Political Science, Texas A&M University, 1995

#### ACADEMIC LEADERSHIP TRAINING

2013 – 2014 American Association of Colleges of Pharmacy (AACP), Academic  
Research Fellows Program  
2017 – 2018 Southeastern Conference (SEC), Academic Leadership Development  
Program  
2022 Harvard Business School Online, Certificate in Leadership Principles

#### CERTIFICATION

2020 Fellow, American Medical Informatics Association (FAMIA)

#### LEADERSHIP AND ADMINISTRATIVE APPOINTMENTS

##### University of Kentucky, Graduate School

2001 – 2005 Director of Graduate Studies, Martin School of Public Policy and  
Administration

##### University of North Texas Health Science Center

2005 – 2007 Department Chair, Health Management and Policy, School of Public Health

##### University of Kentucky, College of Pharmacy

2007 – 2019 Director, Institute for Pharmaceutical Outcomes and Policy  
2007 – 2019 Coordinator, Ph.D. Program in Pharmaceutical Outcomes and Policy  
2009 – 2013 Associate Department Chair, Pharmacy Practice and Science

##### University of Kentucky, College of Medicine

2016 – Deputy Director, Center for Rural and Underserved Health  
2020 – Division Chief, Biomedical Informatics

##### Office of the Provost, University of Kentucky

2014 – 2016 Associate Director, Center for Health Services Research

2014 – Associate Director, Center for Clinical and Translational Science  
2016 – 2017 Associate Director, Institute for Biomedical Informatics  
2018 – 2019 Interim Director, Institute for Biomedical Informatics  
2019 – Director, Biomedical Informatics, Center for Clinical and Translational Science  
2020 – Director, Institute for Biomedical Informatics

**ACADEMIC APPOINTMENTS**

University of Kentucky, Graduate School

1995 – 2001 Assistant Professor, Martin School of Public Policy and Administration  
2001 – 2005 Associate Professor, Martin School of Public Policy and Administration

University of North Texas Health Science Center

2005 – 2007 Associate Professor, Department of Health Management and Policy, School of Public Health

University of Kentucky, College of Pharmacy

2007 – 2013 Associate Professor, Pharmacy Practice and Science  
Secondary Appointments: Public Health (Biomedical Informatics, Biostatistics); Martin School of Public Policy and Administration  
2009 – 2018 Research Associate Without Compensation, R&D Service, Department of Veteran Affairs, Lexington KY  
2014 – 2020 Professor, Pharmacy Practice and Science  
2017 University Research Professor  
2018 – 2020 Joseph Schutte Chair in Pharmaceutical Policy

University of Kentucky, College of Medicine

2020 – Professor, Division of Biomedical Informatics, Department of Internal Medicine  
Secondary Appointments: Pharmacy Practice and Science, Biostatistics, Computer Science

**OTHER EXPERIENCE**

1993 – 1994 United States Congress

Congressional Fellow: Office of Representative Michael A. Andrews (D-TX), Committee on Ways and Means. Sponsored by NSF Grant SBR-9320917

1994 – 1995 Texas A&M University

Research Fellow: Department of Political Science, Policy Agendas in Congress since 1945. Sponsored by NSF Grant SBR-9320234

**RESEARCH AND TEACHING INTERESTS**

Public Health/Translational Informatics, Substance Use Disorder Policy, Medicaid Policy

**PUBLICATIONS 250 Publications**

Summary: 142 Manuscripts, 51 Technical Reports, 57 Published Abstracts

**Research Articles and Journal Publications**

1. Hammerslag LR, Mack A, Chandler RK, Fanucchi LC, Feaster DJ, LaRochelle MR, Lofwall MR, Nau M, Villani J, Walsh SL, Westgate PM, Slavova S, Talbert JC. Telemedicine Buprenorphine Initiation and Retention in Opioid Use Disorder Treatment for Medicaid Enrollees. JAMA Netw Open. 2023 Oct 2;6(10):e2336914.

- doi: 10.1001/jamanetworkopen.2023.36914. PubMed PMID: 37851446; PubMed Central PMCID: PMC10585416.
2. Harris TF, Yelowitz A, Talbert J, Davis A. (2023) Adverse selection in the group life insurance market. *Economic Inquiry*, 61(4), 911-941. doi.org/10.1111/ecin.13159
  3. Hammerslag L, Talbert J, Donohue JM, Sharbaugh M, Ahrens K, Allen L, Austin AE, Gordon AJ, Jarlenski M, Kim JY, Mohamoud S, Tang L, Burns M. Urine drug testing among Medicaid enrollees initiating buprenorphine treatment for opioid use disorder within 9 MODRN states. *Drug Alcohol Depend*. 2023 Jun 24;250:110875. doi: 10.1016/j.drugalcdep.2023.110875. PubMed PMID: 37413960.
  4. Fontana M, Eckert GJ, Katz BP, Keels MA, Levy BT, Levy SM, Kemper AR, Yanca E, Jackson R, Warren J, Kolker JL, Daly JM, Kelly S, Talbert J, McKnight P. Predicting Dental Caries in Young Children in Primary Health Care Settings. *J Dent Res*. 2023 Jun 16:220345231173585. Epub ahead of print. PMID: 37329133.
  5. Austin AE, Tang L, Kim JY, Allen L, Barnes AJ, Chang CH, Clark S, Cole ES, Durrance CP, Donohue JM, Gordon AJ, Huskamp HA, McDuffie MJ, Mehrotra A, Mohamoud S, Talbert JC, Ahrens KA, Applegate M, Hammerslag LR, Lanier P, Tossone K, Zivin K, Burns ME. Trends in Use of Medication to Treat Opioid Use Disorder During the COVID-19 Pandemic in 10 State Medicaid Programs. *JAMA Health Forum*. 2023 Jun 2;4(6):e231422.
  6. Harris T, Yelowitz A, Talbert J, Davis, A. (2023) Adverse selection in the group life insurance market. *Economic Inquiry*, 1– 31. doi.org/10.1111/ecin.13159
  7. Rhudy CN, Perry CL, Hawk GS, Flomenhoft DR, Talbert JC, Barrett TA. Inflammatory Bowel Disease in Appalachian Kentucky: An Investigation of Outcomes and Health Care Utilization. *Inflamm Bowel Dis*. 2023 Jun 6;. doi: 10.1093/ibd/izad096. PubMed PMID: 37280118.
  8. Silwal A, Talbert J, Bohler R, Kelsch J, Cook C, Blevins D, Gallivan M, Hunt T, Hatcher S, Thomas C, Williams S, Fanucchi L, Lofwall M. State alignment with federal regulations in 2022 to relax buprenorphine 30-patient waiver requirements, *Drug and Alcohol Dependence Reports*, May 2;7:100164. PMCID: PMC10206439.
  9. Lanier P, Kennedy S, Snyder A, Smith J, Napierala E, Talbert J, Hammerslag L, Humble L, Myers E, Whittington A, Smith J, Bachhuber M, Austin A, Blount T, Stehlin G, Fede AL, Nguyen H, Bruce J, Grijalva CG, Krishnan S, Otter C, Horton K, Seiler N, Pearson WS. STI Testing among Medicaid Enrollees Initiating PrEP for HIV Prevention in Six Southern States. *South Med J*. 2023 Jun;116(6):455-463. PMCID: PMC10247181.
  10. Allen L, Cole E, Sharbaugh M, Austin A, Burns M, Ho Chang CC, Clark S, Crane D, Cunningham P, Durrance C, Fry C, Gordon A, Hammerslag L, Kim JY, Kennedy S, Krishnan S, Mauk R, Talbert J, Tang L, Donohue JM. Use of residential opioid use disorder treatment among Medicaid enrollees in nine states. *J Subst Use Addict Treat*. 2023 Apr 12:209034. PMID: 37059269.
  11. Fouladvand S, Talbert J, Dwoskin LP, Bush H, Meadows AL, Peterson LE, Mishra YR, Roggenkamp SK, Wang F, Kavuluru R, Chen J. A Comparative Effectiveness Study on Opioid Use Disorder Prediction Using Artificial Intelligence and Existing Risk Models. *IEEE J Biomed Health Inform*. 2023 Jul;27(7):3589-3598. doi: 10.1109/JBHI.2023.3265920. Epub 2023 Jun 30. PubMed PMID: 37037255.
  12. Austin AE, Durrance CP, Ahrens KA, Chen Q, Hammerslag L, McDuffie MJ, Talbert J, Lanier P, Donohue JM, Jarlenski M. Duration of medication for opioid use disorder during pregnancy and postpartum by race/ethnicity: Results from 6

- state Medicaid programs. *Drug Alcohol Depend.* 2023 Apr 5;247:109868. doi: 10.1016/j.drugalcdep.2023.109868. PMID: 37058829.
13. Cheng Y, Freeman PR, Slade E, Sohn M, Talbert JC, Delcher C. Medicaid expansion and access to naloxone in metropolitan and nonmetropolitan areas. *J Rural Health.* 2023 Mar;39(2):347-354. PMID: 36333992.
  14. Hammerslag L, Campbell-Baier R, Otter C, Lopez-DeFede A, Smith J, Whittington L, Humble L, Myers E, Kennedy S, Talbert J, Pearson W. Prenatal Syphilis Screening Among Pregnant Medicaid Enrollees by Sexually Transmitted Infection History and Race/Ethnicity. *Am J Obstet Gynecol MFM.* 2023 Mar 16:100937. PMID: 36933802.
  15. Bohler R, Freeman P, Villani J, Hunt T, Linas B, Walley A, Green T, Lofwall M, Briden C, Frazier L, Fanucchi L, Talbert J, Chandler R. The policy landscape for naloxone distribution in four states highly impacted by fatal opioid overdoses. *Drug Alcohol Depend Rep.* 2023 Mar;6. PubMed Central PMCID: PMC9838196.
  16. Thompson K, Barocas J, Delcher C, Bae J, Hammerslag L, Wang J, Chandler R, Villani J, Walsh S, Talbert J. The prevalence of opioid use disorder in Kentucky's counties: A two-year multi-sample capture-recapture analysis. *Drug Alcohol Depend.* 2023 Jan 1;242:109710. PubMed PMID: 36469995; PubMed Central PMCID: PMC9772240.
  17. Marks KR, Talbert J, Hammerslag LR, Lofwall MR, Fanucchi LC, Broce H, Walsh SL. Contributions of a central registry to monitor methadone -treatment through the HEALing Communities Study. *J Opioid Manag.* 2023 Special-Issue;19(7):73-81. doi: 10.5055/jom.2023.0801. PubMed PMID: 37879662.
  18. Sohn M, Delcher C, Talbert JC, Cheng Y, Xu Y, Jadhav E, Freeman P. The Impact of Naloxone Coprescribing Mandates on Opioid-Involved Overdose Deaths. *Am J Prev Med.* 2022 Dec. PubMed PMID: 36496279.
  19. Burns M, Tang L, Chang CH, Kim JY, Ahrens K, Allen L, Cunningham P, Gordon AJ, Jarlenski MP, Lanier P, Mauk R, McDuffie MJ, Mohamoud S, Talbert J, Zivin K, Donohue J. Duration of medication treatment for opioid-use disorder and risk of overdose among Medicaid enrollees in 11 states: a retrospective cohort study. *Addiction.* 2022 Dec;117(12):3079-3088. PubMed PMID: 35652681.
  20. Cole ES, Allen L, Austin A, Barnes A, Chang CH, Clark S, Crane D, Cunningham P, Fry CE, Gordon AJ, Hammerslag L, Idala D, Kennedy S, Kim JY, Krishnan S, Lanier P, Mahakalanda S, Mauk R, McDuffie MJ, Mohamoud S, Talbert J, Tang L, Zivin K, Donohue JM. Outpatient follow-up and use of medications for opioid use disorder after residential treatment among Medicaid enrollees in 10 states. *Drug Alcohol Depend.* 2022 Dec 1;241:109670. PubMed PMID: 36332591.
  21. Cheng Y, Freeman PR, Slade E, Sohn M, Talbert JC, Delcher C. Medicaid expansion and access to naloxone in metropolitan and nonmetropolitan areas. *J Rural Health.* 2022 Nov 5;. PubMed PMID: 36333992.
  22. Follow-up after ED visits for opioid use disorder: Do they reduce future overdoses? *J Subst Abuse Treat.* 2022 Nov;142:108807. PubMed PMID: 35649885.
  23. Oyler D, Slavova S, Freeman P, Huang Z, Talbert J, Walsh S, Westgate P. Broadband internet subscription rates and opioid prescribing via telemedicine during the COVID-19 pandemic. *J Rural Health.* 2022 Sep;38(4):900-907. PubMed PMID: 35224768; PubMed Central PMCID: PMC9115233.
  24. Zivin K, Allen L, Barnes A, Junker S, Kim J, Tang L, Kennedy S, Ahrens K, Burns M, Clark S, Cole E, Crane D, Idala D, Lanier P, Mohamoud S, Jarlenski M, McDuffie M, Talbert J, Gordon A, Donohue J. Design, Implementation, and

- Evolution of the Medicaid Outcomes Distributed Research Network (MODRN). *Med Care*. 2022 Sep 1;60(9):680-690. PubMed PMID: 35838242; PubMed Central PMCID: PMC9378530.
25. Lenert L, Zhu V, Jennings L, McCauley J, Obeid J, Ward R, Hassanpour S, Marsch L, Hogarth M, Shipman P, Harris D, Talbert J. Enhancing research data infrastructure to address the opioid epidemic: the Opioid Overdose Network (O2-Net). *JAMIA Open*. 2022 Jul;5(2):ooac055. eCollection 2022 Jul. PubMed PMID: 35783072; PubMed Central PMCID: PMC9243402.
  26. Lanier P, Kennedy S, Snyder A, Smith J, Napierala E, Talbert J, Hammerslag L, Humble L, Myers E, Austin A, Blount T, Dowler S, Mobley V, Fede A, Nguyen H, Bruce J, Grijalva C, Krishnan S, Otter C, Horton K, Seiler N, Majors J, Pearson W. Prenatal Syphilis Screening Among Medicaid Enrollees in 6 Southern States. *Am J Prev Med*. 2022 May;62(5):770-776. PubMed PMID: 34998629.
  27. Jarlenski M, Chen Q, Ahrens KA, Allen L, Austin AE, Chappell C, Donohue JM, Hammerslag L, Lanier P, McDuffie M, Talbert J, Tang L, Krans E. Postpartum Follow-up Care for Pregnant Persons with Opioid Use Disorder and Hepatitis C Virus Infection. *Obstet Gynecol*. 2022 May 1;139(5):916-918. PubMed Central PMCID: PMC9170182.
  28. Perry B, Odabaş M, Yang K, Lee B, Kaminski P, Aronson B, Ahn Y, Oser C, Freeman P, Talbert J. New means, new measures: assessing prescription drug-seeking indicators over 10 years of the opioid epidemic. *Addiction*. 2022 Jan;117(1):195-204. PubMed Central PMCID: PMC8664959.
  29. Fouladvand S, Talbert J, Dwoskin L, Bush H, Meadows A, Peterson LE, Roggenkamp S, Kavuluru R, Chen J. Identifying Opioid Use Disorder from Longitudinal Healthcare Data using a Multi-stream Transformer. *AMIA Annu Symp Proc*. 2021;2021:476-485. PubMed Central PMCID: PMC8861731.
  30. Jarlenski M, Kim J, Ahrens K, Allen L, Austin A, Barnes A, Crane D, Lanier P, Mauk R, Mohamoud S, Pauly N, Talbert J, Zivin K, Donohue J. Healthcare Patterns of Pregnant Women and Children Affected by OUD in 9 State Medicaid Populations. *J Addict Med*. 2021 Sep-Oct 01;15(5):406-413. doi: 10.1097/ADM.0000000000000780. PubMed Central PMCID: PMC8339176.
  31. Talbert J, Bohler R, Frazier L, El-Bassel N, Freeman P. Letter to the Editor regarding: Medicaid prescription limits and their implications for naloxone accessibility (by Roberts et al., 2021). *Drug Alcohol Depend*. 2021 Sep 1;226:108888. PubMed Central PMCID: PMC9759018.
  32. Donohue J, Jarlenski M, Kim J, Tang L, Ahrens K, Allen L, Austin A, Barnes A, Burns M, Chang C, Clark S, Cole E, Crane D, Cunningham P, Idala D, Junker S, Lanier P, Mauk R, McDuffie MJ, Mohamoud S, Pauly N, Sheets L, Talbert J, Zivin K, Gordon A, Kennedy S. Use of Medications for Treatment of Opioid Use Disorder Among US Medicaid Enrollees in 11 States, 2014-2018. *JAMA*. 2021 Jul 13;326(2):154-164. PubMed Central PMCID: PMC8278273.
  33. Bennett D, Moffitt A, Hajagos G, Amor B, Anand A, Bissell M, Bradwell R, Bremer C, Byrd B, Denham A, DeWitt E, Gabriel D, Garibaldi T, Girvin T, Guinney J, Hill EL, Hong S, Jimenez H, Kavuluru R, Kostka K, Lehmann P, Levitt E, Mallipattu K, Manna A, McMurry JA, Morris M, Muschelli J, Neumann J, Palchuk B, Pfaff R, Qian Z, Qureshi N, Russell S, Spratt H, Walden A, Williams E, Wooldridge T, Yoo J, Zhang T, Zhu L, Austin P, Saltz H, Gersing R, Haendel A, Chute CG. Clinical Characterization and Prediction of Clinical Severity of SARS-CoV-2 Infection Among US Adults Using Data From the US National COVID Cohort Collaborative. *JAMA Netw Open*. 2021 Jul 1;4(7):e2116901. PubMed Central PMCID: PMC8278272.

34. Avasarala J, Guduru Z, McLouth CJ, Wilburn A, Talbert J, Sutton P, Sokola S. Use of anti-TNF- $\alpha$  therapy in Crohn's disease is associated with increased incidence of multiple sclerosis. *Mult Scler Relat Disord*. 2021 Jun;51:102942. PubMed Central PMCID: PMC8263493.
35. Wen J, Wen H, Butler JS, Talbert JC. The impact of medical and recreational marijuana laws on opioid prescribing in employer-sponsored health insurance. *Health Econ*. 2021 May;30(5):989-1000. PubMed Central PMCID: PMC8237244.
36. Delcher C, Harris D, Park C, Strickler G, Talbert J, Freeman P. "Doctor and pharmacy shopping": A fading signal for prescription opioid use monitoring?. *Drug Alcohol Depend*. 2021 Apr 1;221:108618. PubMed Central PMCID: PMC8026641.
37. Nagarajan R, Talbert J, Miller C, Ebersole J. Variations in Schedule III prescription patterns in a Medicaid population pre- and post-policy. *Sci Rep*. 2021 Mar 30;11(1):7142. PubMed Central PMCID: PMC8010045.
38. Rhudy C, Perry C, Singleton M, Talbert J, Barrett TA. Chronic opioid use is associated with early biologic discontinuation in inflammatory bowel disease. *Aliment Pharmacol Ther*. 2021 Mar;53(6):704-711. Epub 2021 Jan 26. PubMed Central PMCID: PMC7897267.
39. Sohn M, Talbert JC, Huang Z, Oser C, Freeman P. Trends in Urine Drug Monitoring Among Persons Receiving Long-Term Opioids and Persons with Opioid Use Disorder in the United States. *Pain Physician*. 2021 Mar;24(2):E249-E256. PubMed Central PMCID: PMC8195321.
40. Slavova S, LaRoche M, Root E, Feaster D, Villani J, Knott C, Talbert J, Mack A, Crane D, Bernson D, Booth A, Walsh S. Operationalizing and ing outcome measures for the HEALing Communities Study. *Drug Alcohol Depend*. 2020 Dec 1;217:108328. Epub 2020 Oct 2. PubMed Central PMCID: PMC7531340.
41. The HEALing (Helping to End Addiction Long-term SM) 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 Depend*. 2020 Dec 1;217:108335. Epub 2020 Oct 17. PubMed Central PMCID: PMC7568493.
42. Goodin A, Brown J, Delcher C, Freeman P, Talbert J, Henry SG, Roussos-Ross D. Perception of prescription drug monitoring programs as a prevention tool in primary medical care. *Res Social Adm Pharm*. 2020 Sep;16(9):1306-1308. Epub 2019 Mar 26. PubMed Central PMCID: PMC6763359.
43. Slade E, Dwoskin L, Zhang G, Talbert J, Chen J, Freeman P, Kantak K, Hankosky ER, Fouladvand S, Meadows AL, Bush HM. Integrating data science into the translational science research spectrum: A substance use disorder case study. *J Clin Transl Sci*. 2020 Aug 19;5(1):e29. PubMed Central PMCID: PMC8057445.
44. Fouladvand S, Hankosky E, Bush H, Chen J, Dwoskin L, Freeman P, Henderson D, Kantak K, Talbert J, Tao S, Zhang GQ. Predicting substance use disorder using long-term attention deficit hyperactivity disorder medication records in Truven. *Health Informatics J*. 2020 Jun;26(2):787-802. doi: 10.1177/1460458219844075. PubMed Central PMCID: PMC6861600.
45. Sohn M, Talbert JC, Delcher C, Hankosky E, Lofwall M, Freeman P. Association between state Medicaid expansion status and naloxone prescription dispensing. *Health Serv Res*. 2020 Apr;55(2):239-248. Epub 2020 Feb 7. PubMed Central PMCID: PMC7080392.
46. Zou Y, Tang F, Talbert J, Ng C. Using medical claims database to develop a population disease progression model for leuprorelin-treated subjects with hormone-sensitive prostate cancer. *PLoS One*. 2020;15(3):e0230571. eCollection 2020. PubMed Central PMCID: PMC7092991.

47. Pauly NJ, Delcher C, Slavova S, Lindahl E, Talbert J, Freeman P. Trends in Gabapentin Prescribing in a Commercially Insured U.S. Adult Population, 2009-2016. *J Manag Care Spec Pharm.* 2020 Mar;26(3):246-252. doi: 10.18553/jmcp.2020.26.3.246. PubMed Central PMCID: PMC7155217.
48. Conner K, Meadows AL, Delcher C, Talbert J. Neonatal Abstinence Syndrome and Childhood Mental Health Conditions, 2009-2015: Commercial Versus Medicaid Populations. *Psychiatr Serv.* 2020 Feb 1;71(2):184-187. Epub 2019 Oct 16. PubMed Central PMCID: PMC8059099.
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51. Adams L, Kennedy S, Allen L, Barnes A, Bias T, Crane D, Lanier P, Mauk R, Mohamoud S, Pauly N, Talbert J, Woodcock C, Zivin K, Donohue J. Innovative Solutions for State Medicaid Programs to Leverage Their Data, Build Their Analytic Capacity, and Create Evidence-Based Policy. *EGEMS (Wash DC).* 2019 Aug 5;7(1):41. doi: 10.5334/egems.311. PubMed Central PMCID: PMC6688544.
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53. Nagarajan R, Talbert J. Network Abstractions of Prescription Patterns in a Medicaid Population. *AMIA Jt Summits Transl Sci Proc.* 2019;2019:524-532. eCollection 2019. PubMed PMID: 31259007; PubMed Central PMCID: PMC6568084.
54. Pauly N, Talbert J, Parsley S, Gray B, Hahn EJ. Kentucky's Smoking Cessation Quitline: Annual Estimated Return on Investment to Employers. *Am J Health Promot.* 2019 Feb;33(2):285-288. doi: 10.1177/0890117118784875. Epub 2018 Jul 3. PubMed PMID: 29969913.
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60. Brown J, Talbert J, Pennington R, Han Q, Raissi D. Non-retrieval of inferior vena cava filters as a patient safety concern: evaluation of a new process improvement project to increase retrieval rates in a vascular and interventional radiology clinic. *Patient Saf Surg.* 2018;12:5. doi: 10.1186/s13037-018-0151-7. eCollection 2018. PubMed Central PMCID: PMC5859390.
61. Pauly N, Slavova S, Delcher C, Freeman P, Talbert J. Features of prescription drug monitoring programs associated with reduced rates of prescription opioid-related poisonings. *Drug Alcohol Depend.* 2018 Mar 1;184:26-32. doi: 10.1016/j.drugalcdep.2017.12.002. Epub 2018 Jan 11. PubMed Central PMCID: PMC5854200.
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64. El-Refai S, Black E, Adams V, Talbert J, Brown J. Statin use and venous thromboembolism in cancer: A large, active comparator, propensity score matched cohort study. *Thromb Res.* 2017 Oct;158:49-58. doi: 10.1016/j.thromres.2017.08.001. Epub 2017 Aug 10. PubMed Central PMCID: PMC5755594.
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66. Brown J, Shewale A, Talbert J. Adherence to Rivaroxaban, Dabigatran, and Apixaban for Stroke Prevention for Newly Diagnosed and Treatment-Naive Atrial Fibrillation Patients: An Update Using 2013-2014 Data. *J Manag Care Spec Pharm.* 2017 Sep;23(9):958-967. doi: 10.18553/jmcp.2017.23.9.958. PubMed Central PMCID: PMC5747360.
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- Cancer. *Cancer Inform.* 2017;16:1176935117712520. doi: 10.1177/1176935117712520. PubMed Central PMCID: PMC5459511.
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## **FUNDED RESEARCH**

Summary: 94 funded projects, over \$100 million as PI/MPI

### **Completed Projects**

#### **1. National Science Foundation**

**Funding:** 8/1993-7/1994, (Talbert)

**Title:** Health Agendas in Congressional Committees

This project analyzed agenda setting actions from member testimony in House and Senate Committee Meetings.

**Role:** Principal Investigator

#### **2. Dirksen Congressional Research Center**

**Funding:** 8/1994-7/1995, (Talbert)

**Title:** Partisanship in Congress

This project calculated partisan scores for members of Congress based on testimony from committee meetings.

**Role:** Principal Investigator

**3. Kentucky Department for Emergency Services**

**Funding:** 7/1997 – 6/2000, (Talbert)

**Title:** Kentucky Hazard Mitigation and Project Impact Outreach Program.

This project involved designing and implementing a comprehensive hazard mitigation plan for counties and governmental agencies in Kentucky.

**Role:** Principal Investigator

**4. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/1997 – 6/2005, (Talbert)

**Title:** Kentucky Medicaid Quality Improvement Project.

This study was a long-term project (renewed annually) aimed at improving quality of care for Medicaid recipients in Kentucky. The project involved annual implementation of HEDIS patient satisfaction surveys; annual implementation of provider surveys; and annual computation of quality improvement measures using Kentucky Medicaid administrative data.

**Role:** Principal Investigator

**5. American Cancer Society**

**Funding:** 12/2002 – 11/2003, (Wackerbarth)

**Title:** Patients Decisions Regarding Colorectal Screening.

This project used the Kentucky Medicaid data warehouse to estimate screening rates for colorectal cancer.

**Role:** Co-Investigator

**6. Centers for Disease Control**

**Funding:** 7/2002 – 8/2004, (Talbert)

**Title:** Costs Effectiveness of COX-II versus NSAIDS for Chronically Ill Patient Populations.

The purpose of this study was to estimate the impact of celecoxib and rofecoxib on the total cost of treatments for chronically ill patients.

**Role:** Principal Investigator

**7. U.S. Department of Health and Human Services, Kentucky Center for Poverty Research**

**Funding:** 1/2003 – 12/2003, (Talbert)

**Title:** Charting the Type 2 Diabetes Epidemic.

This study used the Kentucky Medicaid program as a case study to analyze the poverty effect on type 2 diabetes.

**Role:** Principal Investigator

**8. U.S. Department of Health and Human Services, Kentucky Center for Poverty Research**

**Funding:** 7/2003 – 6/2004, (Talbert)

**Title:** Medicaid Data Infrastructure Project.

This purpose of the study was to develop the designs for a data warehouse of Appalachian state Medicaid programs to allow for regional comparisons of quality and effectiveness of care questions for the design of Medicaid QI programs.

**Role:** Principal Investigator

**9. U.S. Department of Health and Human Services**

**Funding:** 7/2003 – 6/2004, (Talbert)

**Title:** Health Administration Traineeship Grant  
The purpose of this grant was to provide funding for training Master of Health Administration students focused on rural health care settings.  
**Role:** Principal Investigator

**10. U.S. Department of Health and Human Services**

**Funding:** 7/2004 – 6/2006, (Talbert)  
**Title:** Health Administration Traineeship Grant  
The purpose of this grant was to provide funding for training Master of Health Administration students focused on rural health care settings.  
**Role:** Principal Investigator

**11. Agency for Health Care Research and Quality, Kentucky Cabinet for Health and Family Services**

**Funding:** 8/2004 – 7/2005, (Talbert)  
**Title:** Child Obesity DVD Provider and Family Education Evaluation  
The purpose of the Child Obesity DVD evaluation was to assess the impact of an educational intervention on physician practices and parent/child awareness and knowledge concerning healthy eating habits and physical activity.  
**Role:** Principal Investigator

**12. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2005 – 6/2006, (Talbert)  
**Title:** Medicaid Infrastructure Grant Feasibility Study, Evaluation of the Kentucky Medicaid Pharmacy and Therapeutics Committee  
This study involved completion of a feasibility study to assess utilization and cost of extending Medicaid benefits to the disabled. The pharmacy component provides analytical analysis of pharmacy cost and utilization for the Pharmacy and Therapeutics Advisory Committee.  
**Role:** Principal Investigator

**13. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2006 – 6/2007, (Talbert)  
**Title:** Kentucky Medicaid Quality Improvement  
This study involved design and implementation of quality improvement surveys to Kentucky Medicaid patients and providers, as well as providing analytical support for the Pharmacy and Therapeutics Advisory Committee.  
**Role:** Principal Investigator

**14. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2007 – 6/2008, (Talbert)  
**Title:** Kentucky Medicaid Quality Improvement and Health Outcome Project  
This study involved design and implementation of quality improvement surveys to Kentucky Medicaid patients and providers, the design and implementation of a Dental disease management program, as well as providing analytical support for the Pharmacy and Therapeutics Advisory Committee.  
**Role:** Principal Investigator

**15. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2007 – 6/2008, (Talbert)  
**Title:** Mental Health Mental Retardation Data Infrastructure and Support Project

This project provided decision support and analysis to the Kentucky Department for Mental Health and Mental Retardation. The project developed and implemented patient surveys, patient outcome measures, online reporting tools; and the design and implementation of a comprehensive data warehouse for decision support and business intelligence.

**Role:** Principal Investigator

**16. Pharmaceutical Manufacturers Association Foundation**

**Funding:** 7/2008 – 6/2010, (Steinke)

**Title:** Gender Disparities in Type 2 Diabetes Medication Utilization: A Population-Based Study Using Medicaid Data.

The purpose of this project was to explore the relationship between type 2 diabetes and disparities related health outcomes.

**Role:** Co-Investigator

**17. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2008 – 6/2010, (Talbert)

**Title:** Money Follows the Person Program Implementation and Evaluation

The Purpose of the MFP project was to plan and evaluate the relocation of clients in nursing facilities back to a community setting.

**Role:** Principal Investigator

**18. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2008 – 6/2010, (Talbert)

**Title:** Kentucky Medicaid Quality Improvement and Health Outcome Project

This study involved design and implementation of quality improvement surveys to Kentucky Medicaid patients and providers, the design and implementation of a dental disease management program, as well as providing analytical support for the Pharmacy and Therapeutics Advisory Committee.

**Role:** Principal Investigator

**19. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2008 – 6/2010, (Talbert)

**Title:** Mental Health Mental Retardation Data Infrastructure and Support Project

This project provided business intelligence analytics and decision support to the Kentucky Department for Mental Health and Mental Retardation.

**Role:** Principal Investigator

**20. Robert Wood Johnson Foundation/Urban Institute**

**Funding:** 5/2008 – 4/2010, (Talbert)

**Title:** Effects of Medicaid Reform on Access to Care, Program Sustainability, and Administrative Efficiency in Idaho and Kentucky

This project was a collaborative effort with the Urban Institute to study the effectiveness and efficiency of Medicaid reforms in Kentucky and Idaho. The program focuses on changes implemented from the Deficit Reduction Act that allows states to provide incentives to improve access and utilization of preventive care.

**Role:** UK Principal Investigator

**21. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2009 – 6/2010, (Freeman)

**Title:** Kentucky All Schedule Prescription Drug Monitoring Program Evaluation  
The Purpose of KASPER evaluation was to determine the impact and effectiveness of the Kentucky prescription drug-monitoring program to impact drug abuse and diversion.

**Role:** Co-Investigator

**22. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2010 – 6/2011, (Freeman)

**Title:** Kentucky All Schedule Prescription Drug Monitoring Program Real Time Project

The Purpose of KASPER Real Time project was to develop a cost model/proposal for transitioning the KASPER program to real time data collection.

**Role:** Co-Investigator

**23. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2010 – 6/2012, (Talbert)

**Title:** Money Follows the Person Program Implementation and Evaluation

The Purpose of the MFP project was to plan and evaluate the relocation of clients in nursing facilities back to a community setting.

**Role:** Principal Investigator

**24. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2010 – 6/2012, (Talbert)

**Title:** Mental Health Mental Retardation Data Infrastructure and Support Project

This project provided business intelligence analytics and decision support to the Kentucky Department for Mental Health and Mental Retardation.

**Role:** Principal Investigator

**25. U.S. Department of Health Resources and Services Administration**

**Funding:** 9/2010 – 8/2012, (Kern)

**Title:** University of Kentucky Biomedical Informatics Initiative

The project goals were to design and develop the University of Kentucky High Performance Analytical Data Warehouse for clinical and operational research.

**Role:** Co-Principal Investigator

**26. Artemetrx**

**Funding:** 12/2010 – 3/2014, (Talbert)

**Title:** Artemetrx Quality Measurement Tool Enhancement

The project provides development, testing, and implementation of an enhanced set of health care quality tools for the Artemetrx suite of web based utilization and quality monitoring tools.

**Role:** Principal Investigator

**27. Kentuckiana Health Collaborative**

**Funding:** 8/2010 – 7/2013, (Talbert)

**Title:** Kentucky/Indiana Provider Quality Data Aggregation

The project aggregates HEDIS quality measures from all payer sources for Kentucky physicians and generates an overall statewide quality report dashboard.

**Role:** Principal Investigator

**28. NIH/NIDDK-RC4DK089866-01**



**Funding:** 9/15/2010 – 8/31/2013, (Pearce)

**Title:** The Kentucky Diabetes and Obesity Collaborative (KDOC)

The Kentucky Diabetes and Obesity Collaborative (KDOC) will develop a novel and sustainable research infrastructure designed to mitigate the public health burdens of obesity and diabetes in a rural medically underserved population.

**Role:** Co-Investigator

**29. National Association of State Controlled Substances Authorities**

**Funding:** 7/2011 – 12/2011, (Freeman)

**Title:** Pseudoephedrine Precursor Regulations

This project was an evaluation of current pseudoephedrine precursor regulations across state and national agencies.

**Role:** Co-Investigator

**30. Appalachian Regional Commission**

**Funding:** 10/2012 – 9/2014, (Davis)

**Title:** Evaluation of ARC Projects in Appalachia

The purpose of the ARC project is to assess and evaluate the impact of ARC projects in Appalachia.

**Role:** Co-Investigator

**31. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2012 – 6/2014, (Talbert)

**Title:** Mental Health Data Infrastructure and Support Project

This project provides business intelligence analytics and decision support to the Kentucky Department of Behavioral Health, Developmental, and Intellectual Disabilities.

**Role:** Principal Investigator

**32. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2012 – 6/2014, (Talbert)

**Title:** Money Follows the Person Program Implementation and Evaluation

The purpose of the MFP project is to plan and evaluate the relocation of clients in nursing facilities back to a community setting.

**Role:** Principal Investigator

**33. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2013 – 3/2015, (Freeman)

**Title:** Impact of HB1 on Utilization and Effectiveness of the Kentucky All Schedule Prescription Drug Monitoring Program

The purpose of the project is to estimate prescriber perceptions of the effectiveness of HB1, calculate trend models of KASPER utilization and impact, and to identify unintended consequences associated with the enhanced KASPER program.

**Role:** Co-Investigator

**34. Urban Institute/Foundation for a Healthy Kentucky**

**Funding:** 2/1/2012—12/31/2015, (Talbert)

**Title:** Medicaid Managed Care in Kentucky

This project is an evaluation of the Medicaid managed care implementation in Kentucky focused on quality and access to health care.

**Role:** UK Principal Investigator

**35. National Institute of Justice**

**Funding:** 1/2013-12/2015, (Freeman)

**Title:** Optimizing PDMPs to Support Law Enforcement Activities

This project explores the impact of PDMPs to improve law enforcement activity related to reducing prescription drug abuse and diversion.

**Role:** Co-Investigator

**36. Kentucky Lung Cancer Research Fund**

**Funding:** 10/2013 – 9/2015, (Durbin)

**Title:** Automated Identification of Lung Cancer Patients Eligible for Clinical Trial Recruitment

The purpose of the project is to estimate effectiveness of clinical trial identification through use of a centralized data warehouse.

**Role:** Co-Investigator

**37. National Association of State Controlled Substances Authorities**

**Funding:** 7/2014 – 6/2015, (Freeman)

**Title:** Update on Pseudoephedrine Precursor Regulations

This project was an updated state of the literature on current pseudoephedrine precursor regulations across state and national agencies.

**Role:** Co-Investigator

**38. NIH CTSA 1U54RR031263 Kern**

**Funding:** 7/2011-6/2016, (Kern)

**Title:** Kentucky Center for Clinical and Translational Science

The University of Kentucky Center for Clinical and Translational Science (CCTS) is the “academic home” for the discipline of clinical and translational science, dedicated to growing the clinical and translational science research teams of the future, to providing the infrastructure needed to foster collaborations between basic and clinical scientists to facilitate research translation, and to enhancing outreach pathways to confront chronic health issues in rural Appalachia

**Role:** Associate Director, Co-Director for Biomedical Informatics

**39. Kentucky Cabinet for Health and Family Services**

**Funding:** 2/2014 – 6/2016, (Talbert)

**Title:** Medicaid Quality Improvement Project

The purpose of the project is to assist the Cabinet with analytic support to develop and implement an evidence-based quality improvement program, including data integration, data mining, and program analysis and evaluation.

**Role:** Principal Investigator

**40. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2014 – 6/2016, (Talbert)

**Title:** Mental Health Data Infrastructure and Support Project

This project provides business intelligence analytics and decision support to the Kentucky Department of Behavioral Health, Developmental, and Intellectual Disabilities.

**Role:** Principal Investigator

**41. Kentucky Cabinet for Health and Family Services**

**Funding:** 3/2015 – 6/2016, (Talbert)

**Title:** Waiver Assessor Evaluation

This project designs and develops an evaluation of the Home Care Community Waiver program for the Kentucky Department of Medicaid Services.

**Role:** Principal Investigator

**42. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2014 – 6/2016, (Talbert)

**Title:** Money Follows the Person Program Implementation and Evaluation

The purpose of the MFP project is to plan and evaluate the relocation of clients in nursing facilities back to a community setting.

**Role:** Principal Investigator

**43. Kentucky Cabinet for Health and Family Services**

**Funding:** 1/2015 – 12/2015, (Kellen, Talbert)

**Title:** Developing the Kentucky Health Data Trust

The purpose of the project is to assist the Cabinet with development and implementation of an all-payer claims database to support research and quality improvement of health care delivery for all citizens of Kentucky.

**Role:** Co-Principal Investigator

**44. Kentucky Cabinet for Health and Family Services**

**Funding:** 2/2015 – 6/2016, (Talbert)

**Title:** Behavioral Health Initiative 2016

This project designs and develops an evaluation of the expanded behavioral health services provided under the ACA expansion in Kentucky.

**Role:** Principal Investigator

**45. University of Kentucky Center for Clinical and Translational Science**

**Funding:** 1/2015 – 6/2016, (Talbert)

**Title:** Pilot award for the Kentucky – West Virginia Data Sharing Collaborative.

The purpose of the project is to integrate EHR patient data from multiple primary care sources in WV and KY to create a data mart for research and quality improvement.

**Role:** Principal Investigator

**46. Utah Center for Clinical and Translational Science**

**Funding:** 7/2015 – 6/2016, (Talbert)

**Title:** Pilot Award for Feasibility of Establishing an Inter-Institutional Electronic Data Warehouse Cooperative: A Pilot Study to Assess the Quality of Care across Three CTSA Institutions (Utah, Arkansas, Kentucky)

The purpose of the project is to Determine the feasibility of combining data from the Enterprise Data Warehouses (EDWs) of three CTSA institutions for quality evaluation and improvement research.

**Role:** Co-Principal Investigator

**47. Artemetrx Corporation**

**Funding:** 3/2014 – 12/2016, (Talbert)

**Title:** Enhancing Quality Measurement Tools Through Administrative Data

The project provides development, testing, and implementation of an enhanced set of health care quality tools for the Artemetrx suite of web based utilization and quality monitoring tools.

**Role:** Principal Investigator

**48. American Board of Family Medicine**

**Funding:** 7/2014 – 6/2018, (Talbert)

**Title:** ABFM Quality Improvement Evaluation

The project will assist the ABFM with the collection and analysis of quality improvement data for ABFM members and practices.

**Role:** Principal Investigator

**49. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2016 – 6/2018, (Talbert)

**Title:** Medicaid Quality Improvement Project

The purpose of the project is to assist the Cabinet with analytic support to develop and implement an evidence-based quality improvement program, including data integration, data mining, and program analysis and evaluation.

**Role:** Principal Investigator

**50. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2016 – 6/2018, (Talbert)

**Title:** Mental Health Data Infrastructure and Support Project

This project provides business intelligence analytics and decision support to the Kentucky Department of Behavioral Health, Developmental, and Intellectual Disabilities.

**Role:** Principal Investigator

**51. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2016 – 6/2018, (Talbert)

**Title:** Waiver Assessor Evaluation

This project designs and develops an evaluation of the Home Care Community Waiver program for the Kentucky Department of Medicaid Services.

**Role:** Principal Investigator

**52. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2016 – 6/2018, (Talbert)

**Title:** Money Follows the Person Program Implementation and Evaluation

The purpose of the MFP project is to plan and evaluate the relocation of clients in nursing facilities back to a community setting.

**Role:** Principal Investigator

**53. Kentucky Cabinet for Health and Family Services**

**Funding:** 7/2016 – 6/2018, (Talbert)

**Title:** Behavioral Health Initiative

This project designs and develops an evaluation of the expanded behavioral health services provided under the ACA expansion in Kentucky.

**Role:** Principal Investigator

**54. University of Pittsburgh Clinical and Translational Science Institute**

**Funding:** 6/2017–5/2018, (Kern)

**Title:** ACT Network

Support maintenance and updates of the informatics platform and data harmonization schema for the ACT network. Key deliverables include developing an ACT specific data mart, applying required ontologies and terminologies, and providing testing and support to ACT users to assist with feasibility request for potential studies.

**Role:** Co-I

**55. University of Florida, UFDSP00012194**

**Funding:** 07/01/2018-06/30/19, (Kern)

**Title:** Together: Transforming and Translating Discovery to Improve Health. The goal of the project is to map emergent research communities in CTSA hubs and obtain a scientific profile for each hub.

**Role:** Co-I

**56. KY Cabinet for Health and Family Services, PON2 746 1800001770**

**Funding:** 07/01/18-06/30/20, (Talbert)

**Title:** Research Outcomes for Waiver Assessor Tool

This project designs and develops an evaluation of the Home Care Community Waiver program for the Kentucky Department of Medicaid Services.

**Role:** Principal Investigator

**57. KY Cabinet for Health and Family Services, PON2 746 1800001666**

**Funding:** 07/01/18-06/30/20, (Talbert)

**Title:** Research, Data Analytics, & Measurement of Program Outcomes

The purpose of the project is to assist the Cabinet with analytic support to develop and implement an evidence-based quality improvement program, including data integration, data mining, and program analysis and evaluation.

**Role:** Principal Investigator

**58. KY Cabinet for Health and Family Services, PON2 746 1800001768**

**Funding:** 07/01/18-06/30/20, (Talbert)

**Title:** Research Outcomes for Money Follows the Person (MFP)

The purpose of the MFP project is to plan and evaluate the relocation of clients in nursing facilities back to a community setting.

**Role:** Principal Investigator

**59. KY Cabinet for Health and Family Services, PON2 746 1800001769**

**Funding:** 07/01/18-06/30/20, (Talbert)

**Title:** Quality Assurance and Waiver Assurance

The purpose of the Quality Assurance and Waiver Assurance project is to improve the efficiency of the waiver assessment and auditing tools used to administer the waiver assessment and auditing tools within the InterQual application.

**Role:** Principal Investigator

**60. KY Cabinet for Health and Family Services, PON2 746 1800001850**

**Funding:** 07/01/18-06/30/20, (Talbert)

**Title:** Behavioral Health Initiative and Program Evaluation

This project designs and develops an evaluation of the expanded behavioral health services provided under the ACA expansion in Kentucky.

**Role:** Principal Investigator

**61. KY Cabinet for Health and Family Services, PON2 729 1900000707**

**Funding:** 07/01/18-06/30/20, (Talbert)

**Title:** Research and Info Systems for KY Dept DBHDID (IPOP)

This project provides business intelligence analytics and decision support to the Kentucky Department of Behavioral Health, Developmental, and Intellectual Disabilities.

**Role:** Principal Investigator

**62. NIH R01 DA039928-02, NIDA**

**Funding:** 9/2016-8/2020, (Perry)

**Title:** Doctor Shopping for Controlled Substances: Insights from Two-Mode Social Network Analysis

This study will determine the feasibility of applying social network analysis (SNA) and machine learning techniques (MLT) to extant health claims databases to identify doctor shopping and characteristics of patients and targeted prescribers.

**Role:** *Co-I*

**63. NIH CTSA U54 5UL1TR001998 Kern**

**Funding:** 8/2016-6/2021, (Kern)

**Title:** Kentucky Center for Clinical and Translational Science

The University of Kentucky Center for Clinical and Translational Science (CCTS) is the “academic home” for the discipline of clinical and translational science, dedicated to growing the clinical and translational science research teams of the future, to providing the infrastructure needed to foster collaborations between basic and clinical scientists to facilitate research translation.

**Role:** Associate Director, Director for Biomedical Informatics

**Role:** Site PI, Co-I

**64. Urban Institute and Arnold Ventures**

**Funding:** 07/01/2020-08/15/21 (Talbert)

**Title:** State Medicaid Fees for Services Related to Opioid Use Disorder: Building the Evidence-Base to Inform State Policies

This project will develop a state code crosswalk and database of the Medicaid fee schedule for approximately 25 key services related to evidence-based opioid use disorder (OUD) treatment across a variety of settings (e.g., outpatient, inpatient) for each of the 50 states.

**Role:** Principal Investigator

**65. Academy Health and CDC**

**Funding:** 07/01/2020-03/30/21 (Talbert)

**Title:** Sexually Transmitted Disease Testing in Medicaid Populations

This project will develop state-specific analyses of Medicaid data to assess syphilis testing among pregnant Medicaid beneficiaries as well as rates of STI testing of state Medicaid beneficiaries on PrEP.

**Role:** Principal Investigator

**66. University of Pittsburgh (NIDA 1R01DA048029)**

**Funding:** 4/1/2019-9/30/2021, (Donohue)

**Title:** Examining the quality of opioid use disorder treatment in a Medicaid research network

This project will provide a comprehensive assessment of opioid use disorder treatment quality and outcomes in Medicaid and will inform policy decisions on coverage and payment for evidence-based opioid use disorder treatment in Medicaid.

**Role:** Co-I, Site PI

**67. BJA 2017 11447**

**Funding:** 10/2017-10/2021, (Slavova)

**Title:** Data Driven Response to Prescription Drug Misuse in Kentucky

The goal of this project is to expand data-sharing and support decision-making of regulatory and law enforcement agencies and public health officials in their efforts to reduce drug misuse and diversion.

**Role:** Co-I

**68. KY Cabinet for Health & Family Services, PON2 746 2000002194**

**Funding:** 07/01/2020 – 06/30/2022, (Talbert)

**Title:** *Research Outcomes for Waiver Assessment Tool*

This project designs and develops an evaluation of the Home Care Community Waiver program for the Kentucky Department of Medicaid Services.

**Role:** PI

**69. KY Cabinet for Health & Family Services, PON2 721 2000003082**

**Funding:** 07/01/2020 – 06/30/2022 (Talbert)

**Title:** *Research, Data Analytics, & Measurement of Program Outcomes*

The purpose of the project is to assist the Cabinet with analytic support to develop and implement an evidence-based quality improvement program, including data integration, data mining, and program evaluation.

**Role:** PI

**70. KY Cabinet for Health & Family Services, PON2 746 2000002169**

**Funding:** 07/01/2020 – 06/30/2022 (Talbert)

**Title:** *Research Outcomes – Money Follows the Person (MFP)*

The purpose of the MFP project is to plan and evaluate the relocation of clients in nursing facilities back to a community setting.

**Role:** PI

**71. KY Cabinet for Health & Family Services, PON2 746 2000002181**

**Funding:** 07/01/2020 – 06/30/2022 (Talbert)

**Title:** *Quality Assurance and Waiver Assurance*

The purpose of the MFP project is to plan and evaluate the relocation of clients in nursing facilities back to a community setting.

**Role:** PI

**72. KY Cabinet for Health & Family Services, PON2 746 2000002586**

**Funding:** 07/01/2020 – 06/30/2022 (Talbert)

**Title:** *Behavioral Health Initiative and Program Evaluation*

This project designs and develops an evaluation of the expanded behavioral health services provided under the ACA expansion in Kentucky.

**Role:** PI

**73. KY Cabinet for Health & Family Services, PON2 729 2000002761**

**Funding:** 07/01/2020 – 06/30/2022 (Talbert)

**Title:** *Management of Information Research and Data Support*

This project provides business intelligence analytics and decision support to the Kentucky Department of Behavioral Health, Developmental, and Intellectual Disabilities.

**Role:** PI

**74. Academy Health 775.2020.005**

**Funding:** 07/01/2021 – 03/31/2022 (Talbert)

**Title:** *Sexually Transmitted Disease Testing in Medicaid Populations-Project 2*

This project uses state Medicaid analyses of health claims to assess syphilis testing among pregnant Medicaid beneficiaries.

**Role:** PI

**75. MACPAC MACP2125.2021\_2**

**Funding:** 03/01/2021 – 08/31/2022 (Talbert)

**Title:** *Identifying Barriers to Link Justice Involved Individuals to Medicaid Services upon Release*

The goal of this project is to measure state interest and current policy activity related to justice-involved initiatives, understand states' data and infrastructure capacity to suspend and reenroll individuals to Medicaid, and recognize the gaps in implementing such initiatives.

**Role:** PI

**76. University of Michigan 3004700014**

**Funding:** 08/17/2017 – 03/31/2022 (Durbin)

**Title:** *Enhancing EMERSE, the Electronic Medical Record Search Engine*

UK will test and evaluate the EMERSE tool, documenting, and reporting problems, communicate challenges and help UM improve the software and documentation and develop the regulatory/compliance infrastructure including IRB approvals so that the tool can be deployed at multiple sites.

**Role:** Co-Investigator

**77. Northwestern University 19-565-UKRF**

**Funding:** 07/01/2021 – 06/30/2022 (Talbert)

**Title:** *Assessing the Impact of Opioid Prescription Duration Limits*

The proposed study will measure the impact of the Opioid Reduction Act on prescription patterns, health care use, and health outcomes. We will assess both intended and unintended impacts of the policy. We will address this important knowledge gap by using an innovative "dose response" event-study methodology.

**Role:** Co-Investigator

**78. University of Colorado 202203101211**

**Funding:** 08/01/2021 – 06/30/2022 (Talbert)

**Title:** *Covid 19: National Center for Digital Health Informatics Innovation*

This project will enrich our existing N3C data feed with ADT (admission-discharge-transfer) timestamps to indicate inpatient movement to/from the ED, ICU, and floor, add ventilator settings and respiratory support levels for inpatients, and add structured social determinants of health data.

**Role:** PI



**Ongoing Projects**

**79. UL1 TR001998-05A1 (Kern, P.)** 07/30/2022-06/30/2026  
 NIH/NCATS \$16,667,020  
*Kentucky Center for Clinical and Translational Science*  
**Goals:** Provide infrastructure, services, and programs to support clinical and translational investigators, and to foster collaborations that facilitate research translation and team science.  
**Role:** Associate Director, Director Biomedical Informatics

**80. A200049S002 (PI: Lenert)** 08/06/2019 –06/30/2024  
 Medical University of South Carolina \$631,910  
*Enhancing Infrastructure for Clinical and Translational Research to Address the Opioid Epidemic*  
**Goals:** This project involves development and evaluation of data analytic approaches to capture phenotypes of opioid overdose patients presenting to the emergency department from electronic health records.  
**Role:** Co-Investigator, Site PI

**81. UM1 DA049406-02 (PI: Walsh)** 04/17/2019 – 03/31/2024  
 NIH/NIDA \$87,133,542  
*Kentucky CAN HEAL (Communities and Networks Helping End Addiction Long-term)*  
**Goals:** This large-scale, community-based project will leverage evidence-based interventions to reduce overdose, including expanding access to treatment, overdose prevention training, naloxone distribution, improving opioid prescribing practices and safe disposal of opioids.  
**Role:** Co-Director of the Data, Informatics, and Statistics Core

**82. 2U1CRH30041-05 (PI: Borders)** 09/01/2016 – 08/31/2024  
 HRSA \$2,800,000  
*Center for Rural Health Research - Rural Health Research Grant Program Cooperative Agreement*  
**Goals:** Kentucky Center for Rural Health, Sub-project focused on barriers and disparities associated with pneumococcal immunization among rural elderly adults.  
**Role:** Deputy Director

**83. R24 ES030904-01 (PI: Haynes)** 05/06/2020 – 04/30/2025  
 NIH/NIEHS \$1,836,277  
*Retention, Maintenance and Enhancement of the Communities Actively Research Exposure Study (CARES)*  
**Goals:** This award will retain the over 600 child-parent pairs identified in the Communities Actively Researching Exposure Study (CARES), enhance the robust dataset with internal exposure characterization during early childhood development, and build infrastructure needed to share the data within the cohort.  
**Role:** Co-Investigator

**84. Med01121 (PI: Talbert)** 07/01/2021 – 12/31/2024  
 Medimpact Healthcare Systems Incorporated \$300,000/annual  
*IBI: Medicaid Pharmacy Price Transparency*  
**Goals:** The goal of this project is to conduct audits of Medicaid pharmacy claims to assess compliance with pricing transparency regulations for pharmacy benefit managers.  
**Role:** PI

- 85. PON2 746 2000002194 (PI: Talbert)** 07/01/2022 – 06/30/2024  
 KY Cabinet for Health & Family Services \$7,900,798  
*Research Outcomes for Waiver Assessment Tool*  
**Goals:** This project designs and develops an evaluation of the Home Care Community Waiver program for the Kentucky Department of Medicaid Services.  
**Role: PI**
- 86. PON2 721 2000003082 (PI: Talbert)** 07/01/2022 – 06/30/2024  
 KY Cabinet for Health & Family Services \$3,803,332  
*Research, Data Analytics, & Measurement of Program Outcomes*  
**Goals:** The purpose of the project is to assist the Cabinet with analytic support to develop and implement an evidence-based quality improvement program, including data integration, data mining, and program evaluation.  
**Role: PI**
- 87. PON2 746 2000002169 (PI: Talbert)** 07/01/2022 – 06/30/2024  
 KY Cabinet for Health & Family Services \$1,747,596  
*Research Outcomes – Money Follows the Person (MFP)*  
**Goals:** The purpose of the MFP project is to plan and evaluate the relocation of clients in nursing facilities back to a community setting.  
**Role: PI**
- 88. PON2 746 2000002181 (PI: Talbert)** 07/01/2022 – 06/30/2024  
 KY Cabinet for Health & Family Services \$2,600,000  
*Quality Assurance and Waiver Assurance*  
**Goals:** The purpose of the MFP project is to plan and evaluate the relocation of clients in nursing facilities back to a community setting.  
**Role: PI**
- 89. PON2 746 2000002586 (PI: Talbert)** 07/01/2022 – 06/30/2024  
 KY Cabinet for Health & Family Services \$1,852,387  
*Behavioral Health Initiative and Program Evaluation*  
**Goals:** This project designs and develops an evaluation of the expanded behavioral health services provided under the ACA expansion in Kentucky.  
**Role: PI**
- 90. PON2 729 2000002761 (PI: Talbert)** 07/01/2022 – 06/30/2024  
 KY Cabinet for Health & Family Services \$1,935,398  
*Management of Information Research and Data Support*  
**Goals:** This project provides business intelligence analytics and decision support to the Kentucky Department of Behavioral Health, Developmental, and Intellectual Disabilities.  
**Role: PI**
- 91. 1R01DA057605-01 (MPI Slavova and Talbert)** 09/30/2022 – 09/29/2027  
 NIH NIDA \$3,125,771 (3 year budget)  
*The Rapid Actionable Data for Opioid Response in Kentucky (RADOR-KY)*  
**Goals:** This project will establish the Rapid Actionable Data for Opioid Response in Kentucky (RADOR-KY), an integrated, population-based, near-real time statewide surveillance system that will ingest data from multiple state agencies and implement advanced informatics algorithms for fast data processing, data linkage, machine learning and predictive analytics to

shorten the time between data capture and when analytical results are available to support opioid overdose prevention and control.

**Role:** MPI

**92. 2216140 (Talbert)** 10/01/2022 – 09/30/2023  
NSF MRI \$1,136,612

Acquisition of the Kentucky Research Informatics Composable Cloud (KyRICC)

**Goals:** The KyRICC will deploy a dynamically composable cloud infrastructure cluster of peripheral-composable compute nodes.

**Role:** PI

**92. 1R01DA055585-01 (PI-Donohue)** 09/01/2022 – 07/31/2026  
University of Pittsburgh (NIH NIDA) \$444,741

Improving Racial Equity in Opioid Use Disorder Treatment in Medicaid

**Goals:** This project will use the Medicaid Outcomes Distributed Research Network to assess equity in access to opioid use disorder treatment in Medicaid.

**Role:** Co-I, Site PI

**93. RM1DA059365 MPI (Donohue and Barnes)** 09/01/2023 – 08/30/2028  
University of Pittsburgh (NIH NIDA) \$306,710

Improving Quality and Equity of Opioid Use Disorder Treatment Using a Multi-state Medicaid Research Network

**Goals:** To develop, test and implement OUD quality measures that center health equity and are efficient, feasible and sustainable for state Medicaid agencies.

**Role:** Co-I, Site PI

**94. P30ES026529 PI (Bauer)** 04/01/2023 – 03/30/2028  
University of Pittsburgh (NIH NIDA) \$7,650,000

Center for Appalachian Research in Environmental Sciences: Integrated Health Sciences Facility Core.

**Goals:** Our goals are to (a) advance multidisciplinary environmental health science (EHS); (b) analyze organic contaminants and trace-elements; (c) cultivate early-stage stage and established investigators; (d) learn with and from the community, helping to inform and translate our research; and (e) build science communication skills with investigators and community partners to boost research translation.

**Role:** Co-I

#### **PRESENTATIONS/POSTERS**

1. Jones, B., Talbert, J. (1990) Attention and Valence in Agenda Setting. Podium presentation at the Southern Political Science Association
2. Talbert, J. (1992) Congressional Committees and Jurisdictional Dynamics. Podium presentation to the Midwest Political Science Association.
3. Talbert, J. (1993) Mass Media and the Ultimate Technological Fix: Newspaper Coverage of Biotechnology. Podium presentation to the International Communications Conference.
4. Talbert, J. (1994) Processing Health Policy Agendas in Congressional Committees. Podium presentation to the Southern Political Science Association

5. Talbert, J. (1994) Energy Conservation Policy: An Assessment. Podium presentation at the Conference on Energy Use and Sustainable Economic Growth.
6. Talbert, J. (1994) The Rise of Partisanship and the Failure of Health Reform. 1994. Podium presentation to the Tax Foundation public policy conference, Reforming the Health Care System.
7. Talbert, J. (1994) The Legislative Importance of Non-Legislative Hearings. Podium presentation to the Midwest Political Science Association. (Also printed as Working Paper #21 for the Center for Presidential Studies, Texas A&M University.)
8. Talbert, J. (1995) Producing Legislation: An Empirical Assessment of Divided Control in the American National Government. Podium presentation at the American Political Science Association.
9. Talbert, J. (1995) Partisanship and Health Agendas in Congressional Committees. Podium presentation to the Midwest Political Science Association
10. Talbert, J. (1996) Transforming Multidimensional Issues into Unidimensional Decisions: Partisan Change in Congress. Podium presentation at the American Political Science Association.
11. Talbert, J. (1997) A Two Dimensional Framework for Legislative Organization Studies. Podium presentation at the American Political Science Association.
12. Flemming, R., MacLoud M., Talbert, J. (1997) Witnesses at the Confirmations? The Appearance of Organized Interests at Senate Hearings on Federal Judicial Appointments, 1945-1992. Podium presentation at the Midwest Political Science Association.
13. Hager, G., Talbert, J. (1997) Look for the Party Label: Party Influences on Voting in the U.S. Congress. Podium presentation at the Western Political Science Association.
14. Talbert, J. (1998) Are Legislative Outputs Multidimensional? Podium presentation at the Southern Political Science Association.
15. Hager, G., Talbert, J. (1998) Understanding Utilization of A State Medicaid System: Survey Respondents vs. Non-respondents. Podium presentation at the American Political Science Association.
16. Hager, G., Talbert, J. (1998) Look for the Party Label: Party Influences on Voting in the U.S. House. Podium presentation at the Midwest Political Science Association.
17. Talbert, J. (1999) Mapping the Dimensional Structure of Issues through the Legislative Process. Podium presentation at the American Political Science Association.
18. Talbert, J. (1999) Patient Satisfaction with Managed Medicaid: Monitoring the Transition From Fee-For-Service to Managed Care in the Kentucky Medicaid Program. Poster presentation at the Association for Health Services Research.
19. Talbert, J. (1999) Mapping the Dimensional Structure of Issues Through the Legislative Process: The Case of Policy Outputs. Podium presentation at the Midwest Political Science Association.
20. Talbert, J. (2000) Transforming Issue Debates to Policy Decisions. Podium presentation at the Midwest Political Science Association.

21. Talbert, J. (2000) Patient Satisfaction with Managed Medicaid. Podium presentation at the American Society for Public Administration.
22. Potoski, M, Talbert, J. (2001) The Dimensional Structure of Issue Agendas in the House. Podium presentation at the American Political Science Association.
23. Jones, B., Potoski, M., Talbert, J. (2001) Uncertainty and Political Debate: How the Dimensionality of Political Issues Gets Reduced in the Legislative Process. Podium presentation at the Midwest Political Science Association.
24. Potoski, M., Lowry, R, Talbert, J. (2002) Party Campaign Contributions in Us House Elections. Podium presentation at the American Political Science Association.
25. Talbert, J., Wackerbarth, S. (2002) Charting the Type II Diabetes Epidemic: Trends Among Children Receiving Medicaid in Kentucky. Poster presented at the Academy for Health Services Research and Health Policy.
26. Talbert, J. (2003) Cost Effectiveness of the Prior Authorization Process for Pharmaceuticals. Podium presentation at the Southern Economic Association.
27. Talbert, J. (2003) The Impact of Prior Authorization for Zyprexa (Olanzapine) in the Kentucky Medicaid Program. Podium presentation to the Kentucky Medicaid Pharmacy and Therapeutics Advisory Committee.
28. Talbert, J. (2003) Report on Dispensing of Prescription Medications to Persons Eligible Under KRS 205.560. Podium presentation to the Kentucky Medicaid Pharmacy Retrospective Review Committee.
29. Potoski, M., Lowry, R, Talbert, J. (2003) Leadership Pacs and Campaign Contributions in the U.S. House of Representatives. Podium presentation at the American Political Science Association.
30. Potoski, M., Lowry, R, Talbert, J. (2003) Leadership Pacs, Campaign Finance and Congressional Elections. Podium presentation at the Midwest Political Science Association.
31. Hattman, K., Talbert, J. (2003) Is a Cox-II Inhibitor Prior Authorization Worth It? The Case of Kentucky Medicaid. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research.
32. Talbert, J. (2003) Comparison of Non-Steroidal Anti-Inflammatory Drugs (NSAIDS) and Cox-II Inhibitors in the Kentucky Medicaid Program. Podium presentation to the Kentucky Medicaid Pharmacy and Therapeutics Advisory Committee.
33. Talbert, J. (2004) Report on Atypical Antipsychotic Use in the Kentucky Medicaid Program. Podium presentation to the Kentucky Medicaid Pharmacy and Therapeutics Advisory Committee.
34. Talbert, J. (2004) Olanzapine Prescribing for On and Off-label Purposes in Kentucky Medicaid. Podium presentation to the Kentucky Medicaid Pharmacy and Therapeutics Advisory Committee.
35. Lykens, K., Talbert, J. (2006) Comparing the Experiences of Chip and Medicaid Children. Podium presentation at the Association of Policy Analysis and Management.
36. Lykens, K., Talbert, J. (2006) Comparing the Experiences of CHIP and Medicaid Children. Poster presentation at the Academy Health.

37. Talbert, J. (2006) Cost Effectiveness of Atypical Antipsychotics. Poster presented at the Academy Health.
38. Talbert, J. (2006) Should State Medicaid Programs Prior-Authorize Atypical Antipsychotics? Podium presentation to the North Texas Seminar on Health Policy Research, University of Texas at Dallas.
39. Talbert, J. (2007) Cost Effectiveness of Providing Respite for Caregivers of Persons with Alzheimer's Disease. Poster presentation at the Academy Health.
40. Marton, J., Talbert, J. (2007) The Impact of SCHIP Premiums and Health Status on the Insurance Coverage of Children. Podium presentation at the Economic Research Initiative on the Uninsured, University of Michigan.
41. Schetz, J., Talbert, J. (2007) Repurposing Old Drugs for the Treatment of Acute Ischemic Cerebral Stroke: An In Silico Retrospective Analysis in a Human Population. Podium presentation at the International Forensic Science and Medical Science Conference.
42. Smith, K., Talbert, J., Steinke, D. (2008) Design of a Public Health/Pharmaceutical Policy Course for Pharmacy Students. Poster presentation, American Association of Colleges of Pharmacy.
43. Painter, J., Talbert, J. (2008) Risk of Stroke Associated With Antipsychotic Use: A Retrospective Cohort Study. Poster presentation to the American Society of Health-System Pharmacists.
44. Castelvechi, A., Ryan, M., Talbert, J. (2008) Diagnosis and Management of Restless Leg Syndrome in at Risk Populations. Poster presentation to the American Society of Health-System Pharmacists.
45. Marton, J., Talbert, J. (2008) The Impact of SCHIP Premiums and Health Status on the Insurance Coverage of Children. Poster presentation at the Academy Health.
46. Robinson C., Talbert, J. (2008) The Impact of Specialty Care in the Treatment of Major Depression. Poster presentation at the Academy Health.
47. Liu, G., Talbert, J. (2008) Comparing the Effectiveness of Atypical Antipsychotic Drugs: A Retrospective Comparison Using the Proxy of Time to Discontinuation for Effectiveness. Poster presented at the University of Kentucky Spring CCTS Conference.
48. Robinson, C., Talbert, J. (2008) Mental Health Specialist Vs. Non-Mental Health Specialist In the Treatment of Major Depression: Kentucky Medicaid Evaluation. Poster presentation at the American Pharmacist Association.
49. Hitron, A., Steinke D., Sutphin, S., Lawson, A., Talbert, J., Adams, V. (2008) Incidence And Risk Factors of Clinically Significant Chemotherapy Induced Thrombocytopenia In Patients With Solid Tumors. Poster presentation to Hematology Oncology Pharmacy Association.
50. Lanham, K., Steinke, D., Talbert, J., Dunn, S., Wiesner, A., Adams, A., Elayi, C., Macauley, T. (2009) Warfarin Prescribing in Atrial Fibrillation. Poster presentation at American Society of Health-systems Pharmacists 44th Midyear Clinical Meeting.

51. Marton, J., Kenney, J., Baker, E., Costich, J., Talbert, J. (2009) Effects Of Medicaid and Chip Policy Changes on Receipt of Preventive Care Among Children in Idaho and Kentucky. Podium presentation to the Academy Health.
52. Fields, V., Talbert, J., Botts, S., Lane, M., Ryan, M. (2009) Risk of Cerebrovascular Events Associated With Antipsychotic Use. Poster presentation to the American Society of Health-systems Pharmacists.
53. Knight, T., Talbert, J., Steinke, D., Matson, A., Ryan, M. (2009) Impact of Proton Pump Inhibitors on the Clinical Efficacy of Clopidogrel in Secondary Stroke Prevention. Poster presentation to the American Society of Health-Systems Pharmacists.
54. Marton, J., Kenney, J., Talbert, J. (2009) Effects of Medicaid and Chip Policy Changes on Receipt of Well Child and Preventive Dental Visits Among Children in Idaho and Kentucky. Podium presentation to the Association of Public Policy Analysis and Management.
55. Blumenschein, K., Fink, J., Painter, J., Talbert, J. (2009) Pharmaceutical Outcomes and Policy: Issues at the Interface of Public Policy and the Profession of Pharmacy. Podium presentation to the Southeastern Conference on Public Administration.
56. Marton, J., Kenney, J., Costich, J., Talbert, J. (2009) Access to Dental Services for Children in Medicaid: The Impact Of Reimbursement. Poster presentation to the Academy Health.
57. Painter, J., Talbert, J. (2009) Risk of Stroke Associated With Atypical Antipsychotic and Haloperidol Use. Poster presentation to the Academy Health.
58. Botts, S., Liu, G., Conigliaro, J., Talbert, J. (2009) Continuity of Antipsychotic Therapy and Effect on Early Relapse. Poster presentation to NCDEU:New Research Approaches for Mental Health Interventions.
59. Talbert, J. (2009) Data Mining and Public Health Care. Podium presentation to the Kentucky Society of Health-System Pharmacists.
60. Castelvechi, A., Talbert, J., Ryan, M. (2009) Diagnosis and Management of Restless Leg Syndrome in At Risk Populations. Poster presentation at the Kentucky Society of Health-System Pharmacists.
61. Conigliaro, J., Talbert, J. (2009) Using The EMR To Improve Clinical Practice Through Self-Audit And Research. Podium presentation to the Kentucky Ambulatory Network.
62. Borrs, S., Liu, G., Talbert, J. (2009) Comparative Effectiveness of Antipsychotics In Kentucky Medicaid. Podium presentation to the College of Psychiatric and Neurologic Pharmacists.
63. Henry, V., Talbert, J. (2009) The Risk of Cancer In Users Of Regranex (Becaplermin): A Population-Based Cohort Study. Poster presentation at the American Pharmacists Association.
64. Welch, M., Talbert, J., Goken, Y., Ryan, M. (2010) The Impact of a Single and Multiple Generic Substitution of Antiepileptic Drugs on Acute Events. Poster presentation to the: American Society of Health Systems Pharmacists.

65. Painter, J., Talbert, J. (2010) Effect of Practitioner on Chronic Opioid Use in Fibromyalgia Syndrome Patients. Poster presentation to Academy Health.
66. Talbert, J. (2010) Electronic Data Sources For Clinical and Public Health Informatics. Podium presentation to the University of Kentucky Center for Clinical and Translational Science Spring Conference.
67. McIntyre, A., Talbert, J., Lane, M., Goken, Y., Knight, J., Ryan, M. (2010) The Impact of Generic Substitution of Antiepileptic Drugs on Acute Events. Poster presentation to the: American Society of Health- Systems Pharmacists.
68. Kovarik, R., Talbert, J., Mullins, M., Skelton, J., Cecil, J., Ebersole, J. (2010) Characteristics of medicaid dental procedures provided to children in kentucky in 2006-2007. Poster presentation to the American Association for Dental Research.
69. Ogunniyi, A., Talbert, J., Blumenschein, K. (2011) Do Career Paths Differ For Dual Degree Graduates? The University of Kentucky College Of Pharmacy Experience. Poster presentation to the American Society of Health-System Pharmacists.
70. Barcelo, A., Freeman, P., Talbert, J., Blumenschein, K. (2011) Influence of Prescription Drug Monitoring Programs on Acetaminophen-Related Liver Toxicity. Poster presentation to the American Society of Health-System Pharmacists.
71. Farley, J., Freeman, P., Talbert, J., Blumenschein, K. (2011) Influence of Medical Marijuana Programs on Controlled Substance Utilization. Poster presentation to the American Society of Health-System Pharmacists.
72. Lovell, A., Talbert, J. (2011) Psychotropic Medication Use in Kentucky Medicaid-Enrolled Children With Autism. Poster presentation to the American Society of Health-System Pharmacists.
73. Freeman, P., Blumenschein, K., Talbert, J. (2011) White Paper on Methamphetamine Precursor Legislation. Podium presentation (invited) to the National Association of State Controlled Substance Authorities.
74. Talbert, J. (2011) Payment Reform and the Role of the Business Community in Health System Change. Podium presentation (invited) to the Innovations for a Healthy Kentucky Health Policy Forum.
75. Sohn, M., Barrett, H., Talbert, J. (2011) What Makes People Generally Satisfied With Mental Health Services? Poster presentation to the SAMHSA Center for Mental Health Services Data Infrastructure Grant Annual Meeting.
76. Perin, N., Blumenschein, K., Freeman, P., Talbert, J. (2011) Controlled Substance Prescribing and Utilization of Prescription Drug Monitoring Programs. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
77. Mann, J., Talbert, J. (2011) Do Bisphosphonates Cause Atypical Femure Fractures? Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
78. Blumenschein, K., Freeman, P., Talbert, J. (2011) Impact Of Prescription Monitoring Program On Controlled Substance Prescribing Behavior. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.



79. Goodin, A., Blumenschein, K., Freeman, P., Talbert, J. (2011) Prescription Drug Monitoring Programs: The Patient Perspective. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
80. Freeman, P., Talbert, J. (2012) Pseudoephedrine and methamphetamine abuse. Webinar presentation for the National Association of State Controlled Substance Authorities. Web based presentation, invited.
81. Yepes, J., Bush, H., Hsin-Fang, L., Talbert, J., Nash, D. (2012) Antenatal And Intrapartum Risk Factors For Dental Caries: A Population-Based Study, Kentucky 2000-2005. Poster presentation to the American Academy of Pediatric Dentistry.
82. Talbert, J., Blumenschein, K., Burke, A., Freeman, P. (2012) The Relationship Between Pseudoephedrine Sales and Clandestine Methamphetamine Labs. Podium presentation to the International Society of Pharmacoeconomics and Outcomes Research.
83. Wixson, S., Blumenschein, K., Freeman, P., Talbert, J. (2012) Impact of Prescription Monitoring Programs on Pharmacists' Controlled Substance Dispensing Behavior. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
84. Sohn, M., Barrett, H., Talbert, J. (2012) Satisfaction With Mental Health Services. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
85. Talbert, J., Johnson, T., Stromberg, A. (2012) Developing A Tool To Predict 30-Day All Cause Readmission. Podium presentation, and also a Poster Presentation to the American Medical Informatics Association, Clinical Translational Research Meeting.
86. Talbert, J. (2012) Lessons Learned From An Evaluation Of The Kentucky All Schedule Prescription Electronic Reporting (KASPER) Program. Podium presentation (invited) to the Kentucky Prescription Drug Abuse Summit.
87. Talbert, J. (2012) Predicting 30-Day All Cause Hospital Readmission. Podium presentation (invited) to the Saha Cardiovascular Research Center and Gill Heart Institute. University of Kentucky.
88. Freeman, P., Talbert, J. (2012) Impact of State Laws Regulating Pseudoephedrine on Methamphetamine Abuse. Podium presentation (invited) to a joint session of the Kentucky House and Senate Judiciary Committees.
89. Wittmer, D., Freeman PR, Gokun Y, Talbert J, Blumenschein K. (2012) Relationship Between Clandestine Methamphetamine Laboratory Seizures and Burns in Kentucky. Poster presentation to the Association of Health System Pharmacists.
90. Monson, K., Freeman PR, Gokun Y, Talbert J, Blumenschein K. (2012) Kentucky Pharmacists' Opinions of the Potential Reclassification of Pseudoephedrine as a Legend Drug. Poster presentation to the Association of Health System Pharmacists.
91. Freeman, P., Talbert, J. (2012) NASCSA White Paper: Impact of State Laws Regulating Pseudoephedrine on Methamphetamine Trafficking and Abuse. Podium presentation (invited) to the National Association of State Controlled Substance Authorities.
92. Goodin, A, Perin, N., Freeman, PR., Talbert, J., Wittmer, D., Blumenschein, K. (2013)

- The Association of Burn Injuries and Pseudoephedrine Sales. Podium presentation to the International Society of Pharmacoeconomics and Outcomes Research.
93. Sohn, M., Moga, D., Talbert, J. (2013) Mental Comorbidity and In-hospital Mortality Among Patients with Acute Myocardial Infarction. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
  94. Wixson, S., Blumenschein, K., Brouwer, E., Freeman, P., Talbert, J. (2013) Impact of South Carolina's Prescription drug Monitoring Program on the Use of Benzodiazepines in a Commercially Insured Population. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
  95. Goodin, A., Freeman, P., Talbert, J., Monson, K., Blumenschein, K. (2013) Kentucky Physician Opinions of the Potential Reclassification of Pseudoephedrine as a Legend Drug. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
  96. Freeman, P., Twillman, B., Anderson, C., Talbert, J. (2013) Prescription Drug Monitoring Programs: Are We Walking the Tightrope Between Controlled Substance Access and Abuse. Issue Panel podium presentation to the International Society of Pharmacoeconomics and Outcomes Research.
  97. Freeman, P. and Talbert, J. (2013) The Impact of Mandatory Use of Prescription Drug Monitoring Programs on Rural Patients and Providers. Podium presentation to Addiction Health Services Research Conference.
  98. Talbert, J. (2014) Collaborative Teams, Big Data, and Translational Science. Invited podium presentation to the University of North Carolina College of Pharmacy, Chapel Hill, NC.
  99. Pearce, K., Talbert, J., Dignan, M., Bolt, D., Scutchfield, F. (2014) The Kentucky Diabetes and Obesity Collaborative (KDOC). Podium presentation to Preparing Health Professionals for the 21<sup>st</sup> Century Conference. Lexington, KY.
  100. Wixson, S., Blumenschein, K., Goodin, A., Talbert, J., Freeman, P. (2014) Community Pharmacist Characteristics Associated with use of a Prescription Drug Monitoring Program. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
  101. Sohn, M., Talbert, J., Moga, D., Blumenschein, K. (2014) The Risk of Developing Type II Diabetes in Children and Adolescents Using Atypical Antipsychotics. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
  102. Sohn, M., Talbert, J., Moga, D., Blumenschein, K. (2014) Cost-Effectiveness of Atypical antipsychotics in Attention-Deficit/Hyperactivity Disorder After Stimulant Failure: A Decision Analysis. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
  103. Talbert, J., Nagarajan, R. (2014) Social Network Analysis of Prescription Patterns. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research.
  104. Talbert, J. (2014) Building Collaborations to Drive Research and Innovation. Poster presentation to the American Association of Colleges of Pharmacy annual meeting.

105. Talbert, J. (2014) Research Data Warehousing in Outcomes Research. Invited presentation to SAP HANA in Academic Research, University of Kentucky.
106. Freeman, P., Blumenschein, K., Talbert, J. (2014) Impact of Public Policy on Drug Abuse in Kentucky. Presentation to Department of Pharmacy Practice and Science, University of Kentucky.
107. Talbert, J. (2014) Impact of Public Policy on Drug Abuse in Kentucky. Invited Presentation to University of Arkansas College of Pharmacy.
108. Talbert, J. Troske, S., Blumenschein, K., Freeman, PR. (2014) Relationship between Pseudoephedrine Sales and Clandestine Methamphetamine Laboratories: Kentucky, Illinois and Louisiana. Poster presentation to Addiction Health Services Research Meeting.
109. Talbert, J. (2014) NIH BD2K Think Tank on EHR Data Methodologies in Clinical Research, Invited Presentation and Committee Member.
110. Talbert, J. (2015) The Kentucky Enterprise Data Trust. Invited presentation to the UK CCTS Spring Conference, March 25.
111. Troske, S., Freeman, P., Goodin, A., Blumenschein, K., Talbert, J. (2015) The relationship between Pseudoephedrine Sales and Clandestine Methamphetamine Labs. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research, May.
112. Perry, B., Freeman, P., Oser, C., Martel, M., Talbert, J. (2015) Can social network analysis be used to identify doctor shoppers? Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research, May.
113. Herren, C., Brouwer, E., Talbert, J. (2015). Analysis of Kentucky Medicaid Managed Care Versus Fee-For-Service Systems: Medication Adherence In Patients With Essential Hypertension. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research, May.
114. Freeman, P., Troske, S., Goodin, A., Blumenschein, K., Talbert, J. (2015). Impact of Kentucky House Bill 1 on concurrent prescribing of Opioid, Alprazolam, and Carisoprodol. Poster presentation to the International Society of Pharmacoeconomics and Outcomes Research, May.
115. Talbert, J. (2015) Prescription Drug Abuse. Invited presentation to the University of Kentucky Center for Health Services Research, June 2015.
116. Talbert, J. and Freeman, P. (2015) Kentucky House Bill 1 Impact Evaluation. Invited presentation to the Kentucky Recovery Taskforce Meeting, August 26.
117. Talbert, J., Kellen, V. (2015) The Kentucky Health Data Trust Phase 1 Report. Invited presentation to the Kentucky Cabinet for Health and Family Services, September 16.
118. Talbert, J. and Freeman, P. (2015) Kentucky House Bill 1 Impact Evaluation. Invited presentation to the Kentucky Prescription Drug Monitoring Program Training and Technical Assistance Center, September 30.
119. Talbert, J. and Freeman, P. (2015) Kentucky House Bill 1 Impact Evaluation. Invited presentation to the Kentucky Safety and Prevention Alignment Network, October 1.
120. Talbert, J. (2015) The Kentucky APCD: Developing the Kentucky Health Data Trust.

- Invited presentation to the UK College of Public Health, October 9.
121. Talbert, J. Jarrett, T. (2015) The West Virginia-Kentucky Health Research Data Collaborative. Invited Presentation to the West Virginia Appalachian Translational Research Conference, October 14.
  122. Talbert, J., Langefeld, J. (2015) APCD: The Kentucky Health Data Trust. Invited presentation to the Foundation for Healthy Kentucky, October 16.
  123. Kenney, J., Marton, J., Talbert, J. (2015) Evaluation of Medicaid Managed Care Implementation in Kentucky. Invited presentation to the Foundation for Healthy Kentucky, November 10.
  124. Talbert, J. and Freeman, P. (2015) Kentucky House Bill 1 Impact Evaluation. Invited presentation to the KASPER Advisory Council, November 13.
  125. Kenney, J., Marton, J., Talbert, J. (2015) Evaluation of Medicaid Managed Care Implementation in Kentucky. Invited presentation to the Kentucky Legislature Health and Welfare Committee, December 16.
  126. Talbert, J. (2016) Engaging Consumers in Health System Transformation: APCDs and Price Transparency. Invited Presentation to the Kentucky Voices for Health Annual Meeting, February 22.
  127. Rippetoe Freeman, P. E., Goodin, A., Troske, S., Talbert, J., "Impact of Mandatory Query Legislation on Patient Doctor-shopping Behavior," APhA Annual Meeting, APhA, Baltimore, MD, United States. (April 2016).
  128. Talbert, J. (2016) Health System Transformation: Data Transparency and All Payer Claims Databases. Invited presentation to the Kentucky Voices for Health, Health System Transformation Academy. April 27.
  129. Talbert, J., Jarrett, T., Harper, T., Harris, D., Pollard, C., Baus, A. (2016). The West Virginia-Kentucky Health Data Learning Network. Poster presentation to the American Medical Informatics Association, iHealth Annual Meeting, Minneapolis, MN.
  130. Harris, D., Harper, T, Talbert, J. "Using i2b2 to bootstrap rural health analytics and learning networks," International Conference of the IEEE Engineering in Medicine and Biology Society, EMBC. (2016).
  131. Pauly, N., Slavova, S., Freeman, T., Talbert, J. Fifty State Analysis of the Impact of Prescription Drug Monitoring Programs on Rates of Opioid Prescribing in the United States. Academy of Managed Care Pharmacy Annual Meeting, San Francisco, CA, April 2016.
  132. Sohn, M., Moga, D., Blumenschein, K., Talbert, J., "National trends in off-label use of atypical antipsychotics in children and adolescents in the US," International Society for Pharmacoeconomics and Outcomes Research Annual Meeting, Washington DC, United States. (May 2016).
  133. Talbert, J. "Informatics Tools to Support Clinical Research," UK CCTS Spring Meeting, UK CCTS. (2016).
  134. Nathan, P., Josh, B., Talbert, J., "Geographical Disparities of Neonatal Abstinence Syndrome in Kentucky," Appalachian Translational Research Summit, 2016, University of Cincinnati. (2016).

135. Talbert, J. All payer claims database development in KY. Presented to Academy Health State University Partnership annual meeting, Washington DC, December 2016.
136. Talbert, J. Strategies to reduce prescription drug abuse. Presented to Academy Health State University Partnership annual meeting, Washington DC, December 2016.
137. Talbert, J. State and University Collaborations to Improve Population Health, Invited presentation to West Virginia Health Data Symposium, Charleston, WV, April 2017.
138. Pauly, N., Slavova, S., Freeman, T., Talbert, J. The Impact of Prescription Drug Monitoring Program Characteristics on Rates of Opioid-Related Poisonings. International Society for Pharmacoepidemiology Mid Year Meeting, London, UK, April 2017.
139. Talbert, J. Price Transparency for Health Care Consumers. Invited Presentation to the Kentucky Voices for Health Annual Meeting, Frankfort, KY. April 24 2017.
140. Talbert, J., Freeman, T. Disparities Associated with Pneumococcal Immunization among Rural Elderly Adults. 40<sup>th</sup> Annual Rural Health Conference, San Diego, CA, May 2017.
141. Pauly, N., Slavova, S., Freeman, T., Talbert, J. Investigating gabapentin as a drug of abuse: associations between gabapentin prescribing, substance use disorders and opioid related poisonings. Addiction Health Services Research Annual Meeting, Madison, WI, October 2017.
142. El-Refai, S., Black, E., Adams, V., Talbert, J. The Role of Chronic Inflammation as a Response Biomarker to Immune Checkpoint Inhibition in Cancer. Presented to the American Medical Informatics Association annual meeting, Washington DC, November 2017.
143. Abeysinghe, R., Brooks, M., Talbert, J., Cui, L. Quality Assurance of NCI Thesaurus by Mining Structural-Lexical Patterns Presented to the American Medical Informatics Association annual meeting, Washington DC, November 2017.
144. Talbert, J. Linking health data for NAS analysis. Invited presentation to Academy Health State University Partnership annual meeting, Washington DC, December 2017.
145. Talbert, J. State Policy Options for Opioid Use Disorder. Invited presentation to Academy Health National Health Policy Conference, Washington DC, February 2018.
146. Talbert, J. Busting Myths and Sharing Solutions to Address the Opioid Epidemic. Invited presentation to Robert Wood Johnson Sharing Knowledge to Build a Culture of Health Conference, Phoenix AZ, March 2018.
147. Talbert, J. Understanding naloxone access laws: the role of pharmacy-based access. Invited presentation to Indiana University Health Policy Workshop, April 27, 2018.
148. Talbert, J. State policy options to address the opioid crisis. Invited presentation to Indiana University, Addictions Grand Challenge Policy Seminar, April 27, 2018.
149. Talbert, J. State policy options and solutions for opioid use disorder. Invited presentation to 'Developing a research agenda for addressing the opioid epidemic in North Carolina' sponsored by University of North Carolina, NC Department of Health,

- and Duke University. May 16, 2018.
150. Talbert, J. Naloxone access laws and the role of pharmacy providers. Invited presentation to University of North Carolina Injury Prevention Center, May 17, 2018.
  151. Talbert, J., Freeman, P., Hankosky, E., Lofwall, M. Delayed Surge in Naloxone Availability Necessitates Caution When Assessing the Impact of Naloxone Access Laws on the Opioid Crisis. Presentation to Academy Health Annual Research Meeting, Seattle, WA. June 2018.
  152. Doshi, P., Moga, D., Freeman, P., Ashford, K., Talbert, J. Trends and Patterns in Use of Prescription Opioids in Pregnant Women in a Commercially Insured Population in the US. Poster presentation to Academy Health Annual Research Meeting, Seattle, WA. June 2018.
  153. Gouripeddi, R., Deka, R., Reese, T., Butcher, R., Martin, B., Talbert, J., LaSalle, B., Facelli, J., Brixner, D. Reproducibility of Electronic Health Record Research Data Requests. Poster presentation to Translational Science 2018, Washington, DC.
  154. Hankosky, E., Bush, H., Dwoskin, L., Harris, D., Henderson, D., Zhang, G., Freeman, P., Talbert, J. Retrospective analysis of health claims to evaluate pharmacotherapies with potential for repurposing: Association of bupropion and stimulant use disorder remission. Podium presentation at the 2018 AMIA Annual Meeting.
  155. Talbert, J. Evaluating Medicaid SUD Waivers: Important Research Questions, Methodological Approaches, and Early Findings. Urban Institute Medicaid Research Conference. Washington, DC. November 28, 2018.
  156. Talbert, J. State strategies to address the cost of pharmaceuticals for Medicaid. SUPLN Annual Meeting. Washington, DC. November 28, 2018.
  157. Nagarajan, R., Talbert, J. Network Abstractions of Prescription Patterns in a Medicaid Population. AMIA 2019 Informatics Summit, San Francisco, CA. March 25, 2019.
  158. Rutter, C., Talbert, J., Vermuelen, L., Chen, J., Burgess, D. Predicting AKI in Patients Treated with Empiric Antimicrobial Therapy. Poster presentation at the AMIA 2019 Informatics Summit, San Francisco, CA. March 25, 2019.
  159. Freeman, P., Slavova, S., Talbert, J. Making the Most of PDMPs: Lessons Learned from Kentucky's PDMP Enhancements. Rx Drug Abuse and Heroin Summit, Atlanta GA, April 24, 2019.
  160. Oh, Gyeon., Freeman, P., Slavova, S., Bunn, T., Talbert, J. Using PDMP Data to Characterize Gabapentin Use in Kentucky. Poster presentation to Academy Health Annual Research Meeting, Washington, DC. June 2019.
  161. Talbert, J. The Medicaid Outcomes Distributed Research Network (MoDRN): Evaluating Medicaid Policies to Address the Opioid Crisis. Presentation to Academy Health Annual Research Meeting, Washington, DC. June 2019.
  162. Pauly, N., Slavova, S., Delcher, C., Talbert, J. Freeman, P. Trends in Gabapentin Use in a Commercially Insured Population, 2009-2016. Poster presentation to Academy Health Annual Research Meeting, Washington, DC. June 2019.
  163. Pauly, N., Freeman, P., Slavova, S., Lofwall, M., Moga, D., Talbert, J. Associations between Prescription Drug Monitoring Program Features and Trends in Prescription and Illicit Opioid Related Poisonings. Poster presentation to Academy Health Annual

- Research Meeting, Washington, DC. June 2019.
164. Conner, K., Joseph, J., Liu, G., Hollen, A., Talbert, J. Application of a Continuum of Care Model for Claims-Based Analyses of Substance Use Disorder in the Kentucky Medicaid Database. Poster presentation to Academy Health Annual Research Meeting, Washington, DC. June 2019.
  165. Talbert, J. Big data approaches exploring ADHD and substance use disorder. Presentation to College on Problems of Drug Dependence annual meeting, June 2019.
  166. Hankosky, E., Harris, D., Cottler, L., Zhang, G., Bush, H., Freeman, P., Talbert, J., Dwoskin, L. Nested case-control analysis of real-world healthcare data evaluating medications to be repurposed for stimulant use disorders. Poster presentation to College on Problems of Drug Dependence annual meeting, June 2019.
  167. Allen, L., Barnes, A., Burns, M., Clark, S., Cole, E., Crane, D., Cunningham, P., Donohue, J., Idala, D., Jarlenski, M., Junker, S., Kennedy, S., Kim, J., Lanier, P., Mauk, R., Mohamoud, S., Pauly, N., Rose, R., Talbert, J., Taylor, A., Zivin, K. Quality of Opioid Use Disorder Treatment in 8 State Medicaid Programs. Presentation to Addiction Health Services Research Annual Meeting, October, 2019.
  168. Sohn, M., Huang, H., Freeman, P., Perry, B., Oser, C., Talbert, J. Trends in Urine Drug Screening Among Persons Receiving Long-Term Opioid Prescriptions in the US. Presentation to Addiction Health Services Research Annual Meeting, October, 2019.
  169. Hankosky, E., Harris, D., Cottler, L., Zhang, G., Bush, H., Freeman, P., Talbert, J., Dwoskin, L. Testing a Claims-Based Workflow to Evaluate Medications for Repurposing: Applications to Substance Use Disorder. Poster presentation to Addiction Health Services Research Annual Meeting, October 2019.
  170. Talbert, J. The Opioid Epidemic: Using Human Data Science to Address a Complex Epidemic. Presentation to the IQVIA Institute for Human Data Science, Annual Research Forum, October 2019.
  171. Delcher, C., Peterson, L., Talbert, J. Prescribing Opioids in Rural America: High Risk Combinations, Low-Risk Solutions. Presentation to the National Rural Health Association Annual Meeting, June 2020.
  172. Singleton, M., Freeman, P., Davenport, D., Talbert, J. Persistent opioid Use Following Inpatient Surgery in Commercially Insured Adults, 2011-2015. Poster presentation to the Academy Health Annual Research Meeting, July 2020.
  173. Driscoll, D., Gurcan, M., Wells, E., Talbert, J. Developing COVID-19 Intervention Strategies in Rural Appalachia. Presentation to the Appalachian Translational Research Network Annual Health Summit, September 2020.
  174. Talbert, J. Development of an N3C Project: A Case Study. Presentation to the CORES CTSA Consortium Annual Meeting, October 9, 2020.
  175. Talbert, J. Big Data: Ethics, Resources and Potential Collaboration. Presentation to the University of Kentucky Vice President for Research monthly research symposium. February 24, 2021.
  176. Talbert, J. Substance Use Disorder Research: Policy Barriers and Facilitators.

- Presentation to the University of Kentucky Substance Use Disorder Research Event (SURE) annual meeting. March 3, 2021.
177. Talbert, J. Lessons Learned from Healthcare Organizations Contributing Clinical Data to the National COVID Cohort Collaborative (N3C). Presentation to the American Medical Informatics Association Informatics Association Summit. March 2021.
  178. Talbert, J. Claims databases for Drug Repurposing. Presentation to the Joint TO-MCO Retreat: Repurposing Anti-Cancer Agents across the T1-T3 Spectrum, Markey Cancer Center. August 2021.
  179. Henderson, D, Kirakodu M, Aaron J, Harper T, Harris D, Talbert J, Shaddox L. Integrating Medical and Dental Histories for Translational Science. Poster presentation to the American Medical Informatics Association Annual Meeting, San Diego, November 2021.
  180. Fouladvand S, Talbert J, Dwoskin L, Bush H, Meadows A, Peterson L, Kavuluru R, Chen J. Predicting Opioid Use Disorder from Longitudinal Healthcare Data using Multi-stream Transformer. Presentation to the American Medical Informatics Association Annual Meeting, San Diego, November 2021.
  181. Wang J, Doogan N, Bernson D, Talbert J, Thompson K, Villani J, Chandler R, Feaster D, Kline D, White L, Barocas J. Massachusetts prevalence of opioid use disorder estimation revisited: Comparing a bayesian approach to standard capture-recapture methods. Presentation to the American Public Health Association 2021 Annual Meeting.
  182. Hammerslag L, Borders T, Talbert J. Race/ethnicity, urbanization, and unintentional injury death. Poster presentation to the Rural Health Association, May 2022.
  183. Hammerslag L, Youngen K, Borders T, Talbert J. Diabetes Prevalence and Monitoring by Urbanization. Poster presentation to the Rural Health Association, May 2022.
  184. Thomas C, Bohler R, Silwal A, Talbert J, Fanucchi L, Hunt T, Hatcher S, Blevins D, Plouck T, Lowfall M. New Federal Policy Change Intended to Expand Access to Buprenorphine of Opioid Use Disorder May be Limited By State Regulations. Poster presentation to the AcademyHealth Annual Research Meeting, June 2022.
  185. Hammerslag L, Svalova S, Westgate P, Lofwall M, Freeman P, Talbert J. Telemedicine visits support buprenorphine treatment initiation during the Covid-19 pandemic. Poster presentation to the College on Problems of Drug Dependence, June 2022.
  186. Silwal A, Talbert J, Kelsch J, Cook C, Lofwall M. New Federal Guidelines for Buprenorphine DEA-30 Patient Limit Waivers: Will the States Support? Poster presentation to the College on Problems of Drug Dependence, June 2022.
  187. Hammerslag L, Youngen K, Borders T, Hill R, Talbert J. Diabetes Prevalence and Monitoring by Urbanization. Presentation to the Kentucky Rural and Underserved Health Research Center annual meeting, August 26, 2022.
  188. Hammerslag, L, Talbert J. Rural hospitals in Kentucky have lower minimum negotiated prices for common services. Poster presentation to the Appalachian Translational Research Network annual meeting, November 14-15, 2022.



189. Talbert, J. Health for a Change: ACPD - The Big Picture. Presentation to the Foundation for Healthy Kentucky Webinar on APCDs. February 13, 2023.
190. Talbert J. How do people and organizations use APCD data? How we protect the data. Presentation to the Kentucky Legislature Health and Welfare Committee, March 29, 2023.
191. Hammerslag L, Talbert J. Lower Insurance-Negotiated Prices in Rural Hospitals. Poster presentation to the National Rural Health Association Annual Meeting, San Diego, CA. May 16-18, 2023.
192. Freeman P, Hammerslag L, Sharbaugh M, Ahrens K, Austin A, Gordon A, Allen L, Barnes A, Donohue J, Talbert J. Pharmacy-Level Barriers to Buprenorphine Dispensing: Evidence from the Medicaid Distributed Research Network in Five States. Poster presentation to the College on Problems of Drug Dependence, June 2023.
193. Hammerslag L, Slavova S, Lei F, Slade E, Lofwall M, Fanucchi L, Bush H, Freeman P, Walsh S, Talbert J. Opioid-Related Poisoning in Kentucky Medicaid Beneficiaries Receiving Buprenorphine, Methadone or Naltrexone. Poster presentation to the College on Problems of Drug Dependence, June 2023.
194. Silwal A, Talbert J, Cook C, Harris D, Redmond D, Gallivan M, Speer D, Freeman P, Marks K, Fanucchi L, Walsh S, Lofwall M. Policies Relevant to the Healing Communities Study Kentucky Site Implementation. Poster presentation to the College on Problems of Drug Dependence, June 2023.
195. Hammerslag L, Talbert, J. Rural Hospitals Post Lower Gross and Negotiated Prices for Common Services. Poster presentation to the Academy Health Annual Research Meeting, June 2023.
196. Talbert J. The Imperative for an All Payer Claims Database. Presentation to the Kentucky Legislature Banking and Insurance Committee, August 1, 2023.
197. Talbert J. Kentucky Data Systems for Naloxone and Methadone. Presentation to the NIDA Leadership Meeting, August 24, 2023.
198. Talbert J. Augmenting Healthcare and Workforce with AI. Presentation to the Council on Post-Secondary Education HealthCare Workforce Conference, October 2023.
199. Talbert J. Streamlining the Process: Improving Healthcare Licensing. Presentation to the Foundation for Healthy Kentucky Bost Forum, October 2023.
200. Talbert J, Slavova S. Utilization of multiple data sources for predictive analytics to guide drug overdose prevention efforts in Kentucky. Podium presentation to the American Public Health Association Annual Meeting, November 2023.
201. Talbert J, Hammerslag L. Developing a Methadone Central Registry in Kentucky. Presentation to the Academy Health State University Partnership Learning Program Annual Meeting, November 2023.

#### **OTHER ACTIVITIES**

- NIH Proposal Reviewer, Small Business Innovation Research (SBIR) / Small Business Technology Transfer (STTR) awards review panel, 202105 ZRG1 RPHB

Y07. March 2021, July 2021, October 2021, March 2022, July 2022, November 2022, July 2023, October 2023.

- NSF Proposal Reviewer, Office of Advanced Cyberinfrastructure, Advanced Computing Systems and Services: Adapting to the Rapid Evolution of Science and Engineering Research. NSF#23-518, Category I, Capacity Resources, March 2023.
- NIH Proposal Reviewer, CTSA Collaborative and Innovative Acceleration Award (UG3/UH3) Review Panel ZTR1 CI-4, May 2023.
- Fellow, American Medical Informatics Association, 2020.
- Site Visit Review Team for Indiana University Grand Challenge Initiative, November 2019.
- SAS Corporation, Opioid Analytics User Group Advisory Board, 2019-2020.
- AHRQ: HealthCare Cost and Utilization Project, 2018 Outstanding Article of the Year Award, Honorable Mention. For 'Rural and Appalachian Disparities in Neonatal Abstinence Syndrome Incidence and Access to Opioid Abuse Treatment' published in *Journal of Rural Health*.
- Special Recognition Award, UK Center for Clinical and Translational Science 2019, presented for work supporting the development of Biomedical Informatics.
- Program Co-Chair, UK Center for Clinical and Translational Science Annual Research Conference (2019).
- Program Chair, 9<sup>th</sup> Annual Therapeutics Outcomes Discovery & Delivery (TODD) Symposium: Precision Medicine, Genomics, and Big Data. UK College of Pharmacy (2018)
- Site Visit Review Team for University of Texas CCTS PhD program in Translational Science, 2018.
- External Advisory Board Member for University of Illinois Chicago Center for Clinical and Translational Science, 2018-present.
- NIH-NIDA Clinical Trials Network, Protocol Review Board for Predictive modeling, June 2019, 2022.
- NIH-NIDA Proposal Reviewer. "Accelerating the Pace of Drug Abuse Research Using Existing Data" (PAR 18-062). 2018, 2019.
- Southeast Conference Academic Leadership Fellow, University of Kentucky, 2017-18.
- State University Partnership Learning Network, invited member for State of Kentucky, Academy Health. 2014- present.
- Academic Research Fellow, American Association of Colleges of Pharmacy, 2013-14.
- NIH Special Think Tank Panel: BD2K EHR Data Methodologies for Clinical Research, December 11, 2014
- CDC Proposal Reviewer: RFA-CE-14-004: U01 Research on Integration of Injury Prevention in Health Systems, 2014.
- CDC Proposal Reviewer: RFA-CE-14-002 U01 Research to Prevent Prescription Drug Overdoses, 2014.
- Inaugural UK College of Pharmacy best publication award, January 2013, and selected as overall 2013 winner, for paper published in *Journal of the American Medical Association*, 308:15.

- Consultant to Texas Health and Human Service Commission, Division of Medicaid/CHIP Policy (2006-2008).
- Member of the American Political Science Association Dissertation Award Committee for Public Policy (2004-2006).
- Consultant to *Artemetrx*, Pharmaceutical Management Software Developed for Managed Medicaid Programs (2003-2012).
- Consultant to the Kentucky Medicaid Pharmacy and Therapeutics Advisory Committee (2002-2010).
- Member of the *Kentucky Medicaid Quality Information Access Committee*, representing health services research (1999-2003).
- George W. Kunze Prize, an Endowed Graduate Research Fellowship and medal awarded to the Outstanding Graduating PhD student at Texas A&M University, 1995.
- National Science Foundation Dissertation Award-Processing Health Policy Agendas in Congressional Committees. SBR-9320917, 1994.
- Dirksen Congressional Leadership Research Center: Congressional Research Grant-Processing Health Policy Agendas in Congressional Committees. 1993.
- College of Liberal Arts, Texas A&M University, Program for Excellence Grant Award-1993.

**PROFESSIONAL ORGANIZATIONS:**

American Association of Colleges of Pharmacy  
Academy Health  
Academy of Managed Care Pharmacy  
American Medical Informatics Association  
American Public Health Association  
Association for Public Policy Analysis and Management  
International Society for Pharmacoeconomics and Outcomes Research

**COMMITTEE SERVICE:**

**University Committees. \*=active**

HealthCare Excel Committee, Office of the VPR and UKHC, 2023.  
\*University of Kentucky, Office of the VPR. Research Data Computing and Big Data Task Force—Co-Chair (2022).  
University of Kentucky, Office of the VPR. Research Data Computing Task Force—Section Chair (2022).  
University of Kentucky Graduate School, Martin School of Public Policy and Administration External Review Committee—Member (2021).  
Ad Hoc Review Committee for Endowed Chair in Data Analytics, UK College of Business—Member (2020)  
\*Kentucky Injury Prevention Research Center External Review Committee—Chair (2020-present)  
\*UK Markey Cancer Center, Cancer Research Informatics Scientific Review Committee—Chair (2020-present)  
\*UK Information Technology Privacy Committee—Member (2019-present)  
UK Institute for Biomedical Informatics, Search Committee—Co-Chair (2018-2019)  
\*UK HealthCare Research Data Governance Committee—Chair (2017-present)  
UK HealthCare Precision Medicine Advisory Committee—Member (2017-2019)

UK Institute for Biomedical Informatics, Internal Advisory Committee—Member (2015-2019)  
UK HealthCare Enterprise Data Warehouse Committee—Member (2015-2019)  
\*UK Center for Computing Services—Advisory Committee Member (2014-present)  
UK Institute for Biomedical Informatics, Search Committee—Co-Chair (2014-2015)  
Kentucky Injury Prevention Center External Review Committee—Chair (2013)  
UK Center for Health Services Research, Planning Committee—Member (2012-2013)  
UK Center for Health Services Research, Search Committee—Member (2012-2013)  
UK Office of Rural Health Planning Committee—Member (2012-2017)  
UK HealthCare Data Stewardship Committee—Chair (2010-2016)  
\*UK HealthCare Enterprise Data Governance Committee—Member (2010-present)  
UK Academic Computing Committee—Member (2010-2012)  
UK HealthCare Senior Leadership Team for Informatics Development—Member (2008-2010)  
\*UK CCTS Leadership Team—Member (2008-present)

**College and Department Committees** (COP=College of Pharmacy, COM=College of Medicine)

COM Research Vision Committee—Member (2020-present)  
COM AI in Medicine Research Alliance, Co-Chair (2021-present)  
COM Search Committee for COM Vice Dean for Research—Member (2021)  
COM Search Committee for Internal Medicine Vice Chair for Research—Member (2022)  
COP Promotion and Tenure Committee—Chair (2018-2019)  
COP Promotion and Tenure Committee—Member (2017-2018, 2019-2020)  
COP Research Advisory Committee—Member (2014-2020)  
COP Graduate Advisory Committee—Member (2014-2016)  
COP Graduate Education and Research Committee—Chair (2011-2014)  
COP PPS Policy Group Steering Committee—Member (2007-2012)  
COP PPS Executive Committee—Member (2010-2020)  
COP IPOP Research Committee—Chair (2012-2020)  
COP IPOP Faculty Search Committee—Chair (2010, 2011, 2014, 2016, 2018)  
COP PPS Endowed Chair in Pharmaceutical Genomics search committee—Chair, 2016-2017

**Public/State/Service Committees**

Kentucky Cabinet for Health and Family Services, Data Governance Committee for State University Partnership Program, 2020-present  
Kentucky Legislature Health and Welfare Committee, All Payer Claims Database Legislation Development Task Force, Member – 2022-present.  
Academy Health State University Partnership Learning Network, Member 2014-present  
Kentucky Medicaid Quality Analytics Committee-Member 2014-present  
Kentucky DBHDID Data User Group Committee-Member 2010-2016  
Kentucky DBHDID Quality Management Outcomes Team-Member 2010-2016  
Kentucky Medicaid Money Follows the Person Implementation Team-Member 2012-2016  
CMS Medicaid MACPAC Advisory Committee—advisory member for special meeting on Medicaid expansion (2011)

**TEACHING EXPERIENCE:**

**UK College of Pharmacy (2007-present)**

**Semester**

**Contact Hours**

<b>Fall 2007</b>		
	PPS 950: Public Policy and Public Health (PharmD)	10
<b>Spring 2008</b>		
	PA 795: Health Policy Development (Martin School, PhD)	45
<b>Fall 2008</b>		
	PPS 950: Public Policy and Public Health (PharmD)	10
<b>Spring 2009</b>		
	PA 795: Health Policy Development (Martin School, PhD)	45
<b>Fall 2009</b>		
	PPS 950: Public Policy and Public Health (PharmD)	10
	PPS 700: Intro to Pharmaceutical Outcomes and Policy (PhD)	45
<b>Fall 2010</b>		
	PPS 950: Public Policy and Public Health (PharmD)	10
	PPS 700: Intro to Pharmaceutical Outcomes and Policy (PhD)	45
<b>Spring 2011</b>		
	PPS 704: Pharmacy Research Informatics	45
<b>Fall 2011</b>		
	PPS 950: Public Policy and Public Health (PharmD)	10
	PPS 700: Intro to Pharmaceutical Outcomes and Policy (PhD)	45
	CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02
	MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
<b>Spring 2012</b>		
	PPS 796: Ind Study in Policy Process (2 PhD students)	45
<b>Fall 2012</b>		
	PPS 950: Public Policy and Public Health (PharmD)	10
	PPS 704: Pharmacy Research Informatics (PhD)	45
	CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02
	MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
<b>Summer 2013</b>		
	Research Informatics short course	10
<b>Fall 2013</b>		
	PPS 950: Public Policy and Public Health (PharmD)	10
	CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02
	MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
<b>Spring 2014</b>		
	PPS 700 Intro to Pharmaceutical Outcomes and Policy (PhD)	45
<b>Summer 2014</b>		
	Research Informatics short course	10
<b>Fall 2014</b>		
	PPS 700 Intro to Pharmaceutical Outcomes and Policy (PhD)	45
	PPS 950: Public Policy and Public Health (PharmD)	16
	CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02
	MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
<b>Spring 2015</b>		
	PPS 704: Pharmacy Research Informatics (PhD)	45
<b>Fall 2015</b>		
	PPS 700 Intro to Pharmaceutical Outcomes and Policy (PhD)	45
	CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02
	MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02

**Fall 2016**

PPS 700 Intro to Pharmaceutical Outcomes and Policy (PhD)	45
MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02

**Fall 2017**

PPS 700 Intro to Pharmaceutical Outcomes and Policy (PhD)	45
MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02

**Fall 2018**

PPS 700 Intro to Pharmaceutical Outcomes and Policy (PhD)	45
MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02

**Spring 2019**

PPS 704: Pharmacy Research Informatics (PhD)	45
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**Fall 2019**

PPS 700 Intro to Pharmaceutical Outcomes and Policy (PhD)	45
MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02

**Fall 2020**

MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02

**Spring 2021**

PPS 704: Pharmacy Research Informatics (PhD)	45
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**Fall 2021**

PPS 700 Intro to Pharmaceutical Outcomes and Policy (PhD)	45
MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02

**Fall 2022**

MD 820: Intro to Clinical Medicine II (Medicine) Informatics Lecture	02
CDS 660: Research Design and Methods (Dentistry) Informatics Lecture	02

**Spring 2023**

PPS 704: Pharmacy Research Informatics (PhD)	45
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**Fall 2023**

PPS 700 Intro to Pharmaceutical Outcomes and Policy (PhD)	45
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**Other Courses Offered (1995-2006)**

**Masters Courses (all 3 credit hour courses, 45 contact hours)**

Health Informatics and Outcomes Analysis (Health Administration)  
 Health Policy Development (Health Administration, Public Health)

Information Systems in Health Care Organizations (Health Administration)  
Program Evaluation (Public Administration, Health Administration)  
Public Health Capstone (Public Health)  
Quantitative Analysis (Health Administration, Public Administration)

**Doctoral Courses** (all 3 credit hour courses, 45 contact hours)

Health Policy Analysis (Public Policy, Pharmacy Policy)  
Introduction to Pharmaceutical Outcomes and Policy (Pharmacy Policy)  
Pharmacy Research Informatics (Pharmacy Policy)  
Public Policy Formulation (Public Policy and Administration)  
The U.S. Congress (Political Science)  
Interest Group Behavior (Political Science)

**Master Students Advised**

MPH: Advise 3-5 students each year  
MPA, MPP, MS: Advise 3-5 students each year  
Data Science: Advise 2-4 students each year

**Doctoral Students Advised**

Jason Jensen (Policy) 1999—Committee Member  
Douglas Bice (Economics) 1999—Committee Member  
Meagan Jordan (Policy) 1999—Committee Member  
Matthias Udie (Policy) 1999—Committee Member  
Hayden Brown (Economics) 2001—Committee Member  
Edith Aubrey (Policy) 2001—Committee Member  
Gabriela Wolfson (Policy) 2001—Committee Member  
Steven Talbert (Nursing) 2002—Committee Member  
Melissa Taylor (Policy) 2002—Committee Member  
Marjorie Kuezi-Nke (Policy) 2003—Committee Member  
Lukawee Piyabanditkul (Nursing) 2003—Committee Member  
Meg Haist (Policy) 2005—Committee Member  
Nancy York (Nursing) 2006—Committee Member  
Jeffery Fine (Political Science) 2006—Committee Member  
Thad Miller (Public Health) 2007—Committee Member  
Juita-Elena Yusuf (Policy) 2007—Committee Member  
**William Wakefield (Policy) 2008—Committee Chair**  
Miriam Fordham (Policy) 2008—Committee Member  
Sandi Winter (Policy) 2009—Committee Member  
Linda Kimsey (Policy) 2009—Committee Member  
**Ae-Sook Kim (Policy) 2009—Committee Co-Chair**  
Zheng Liu (Agricultural Economics) 2009—Committee Member  
Alison Connell (Nursing) 2010—Committee Member  
Amanda Fallin (Nursing) 2011—Committee Member  
Anna Hitron (Pharmacy-MS) 2011—Committee Member  
**Jacob Painter (Pharmacy) 2012—Committee Chair**  
Tanmoy Bhattacharya (Economics) 2012—Committee Member  
**Juliana Swiney (Pharmacy, MS) 2012—Committee Chair**  
Timothy Crawford (Epidemiology) 2012—Committee Member  
Ken Kennedy (Pharmacy MS) 2012—Committee Member  
Juan Yepes (Dentistry MS) 2012—Committee Member

David Yaskewich (Economics) 2012—Committee Member  
Li Hsin-Fang (Epidemiology) 2013—Committee Member  
**Minji Sohn (Pharmacy) 2014—Committee Chair**  
**Amie Goodin (Policy) 2015—Committee Chair**  
**Sarah Wixson (Pharmacy) 2015—Committee Co-Chair**  
William Cooper (Economics) 2015—Committee Member  
Shana Steinbach-Moore (Policy) 2016—Committee Member  
**Josh Brown (Pharmacy) 2016—Committee Chair**  
**Nathan Pauly (Pharmacy) 2018—Committee Chair**  
**Wilbur Rutter (Pharmacy) 2018—Committee Co-Chair**  
**Sherif M. El-Refai (Pharmacy) 2018—Committee Co-Chair**  
**Jiebing Wen (Policy) 2020—Committee Co-Chair**  
Mudiyanselage Abeysinghe (Computer Science) 2020—Committee Member  
Ningzhou Zeng (Computer Science) 2020—Committee Member  
Sajjad Fouladvand (Computer Science) 2021—Committee Member  
**Kailyn Conner (Pharmacy) 2021—Committee Chair**  
**Joseph Vangelhof (Pharmacy) 2023—Committee Co-Chair**  
June Bae (Pharmacy) 2023—Committee Member  
Cameron Bushling (Biostatistics) 2024—Committee Member  
Kacy Bryant (Nursing) 2024—Committee Member  
**Pratik Doshi (Pharmacy) 2024—Committee Chair**  
**Christian Rhudy (Translational Science) 2024—Committee Chair**  
Darby Todd, (Economics) 2024—Committee Member

#### **Faculty Mentoring**

Melissa Clarkson, Biomedical Informatics, Medicine 2020-  
Meredith Duncan, Biostatistics, Public Health 2020-  
Emily Slade, Biostatistics, Public Health 2019-  
Mary Lacy, Epidemiology, Public Health 2020-  
Mark Ebbert, Biomedical Informatics, Medicine 2021-  
Sasha Jakubek, Biomedical Informatics, Medicine 2022-  
Cody Steely, Biomedical Informatics, Medicine 2022-  
Jayani Jayawardhana, Health Policy and Management, Public Health 2023-