

# Kimberly B. Garza, PharmD, MBA, PhD

(formerly Kimberly Bosworth Blake)

Associate Professor, Department of Health Outcomes Research and Policy  
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## **AREAS OF RESEARCH FOCUS**

Cardiovascular Disease Risk  
Behavioral Economics in Healthcare  
Incentives for Health Behavior  
Use of Virtual Reality for Health Behavior Change

## **EDUCATION**

**Doctor of Philosophy**, West Virginia University, Morgantown, West Virginia, 2010

Major: Health Outcomes Research

Dissertation Title: Assessing the Influence of Coronary Heart Disease (CHD) Knowledge, Perception of Personal Risk, and Delay Discounting of Future Health on Diet and Physical Activity Behaviors

Major Advisor: Carole V. Harris, PhD

**Masters of Business Administration**, West Virginia University, Morgantown, West Virginia, 2006

Major: Business Administration

**Pharmacy Practice Residency**, Erlanger Health System, Chattanooga, Tennessee, 2000

**Doctor of Pharmacy**, Auburn University School of Pharmacy, Auburn, Alabama, 1999

Major: Pharmacy (magna cum laude)

**Bachelor of Science**, Auburn University School of Science and Mathematics, Auburn, Alabama, 1998

Major: Pharmacy (cum laude)

## **PROFESSIONAL AND ACADEMIC EXPERIENCE**

2018-present	Associate Professor Department of Health Outcomes Research and Policy, Auburn University Harrison School of Pharmacy, Auburn, Alabama
2011-2018	Assistant Professor Department of Health Outcomes Research and Policy, Auburn University Harrison School of Pharmacy, Auburn, Alabama
2008-2010	Graduate Research Assistant Health Research Center, West Virginia University School of Medicine, Morgantown, West Virginia
2006-2008	Graduate Teaching Assistant Pharmaceutical Systems and Policy, West Virginia University School of Pharmacy, Morgantown, West Virginia
2006-2010	Consultant Pharmacist HealthSouth Mountainview Regional Rehabilitation Hospital, Morgantown, West Virginia
2005-2006	Director of Pharmacy Cornerstone Hospital of Huntington, Huntington, West Virginia
2003-2005	Director of Pharmacy Services Pharmacy Associates, Inc., Huntington, West Virginia
2002-2004	Staff Pharmacist/IV Room Project Leader St. Mary's Medical Center, Huntington, West Virginia
2001-2002	Clinical/Staff Pharmacist Memorial Health Care Systems, Chattanooga, Tennessee
2001	Clinical Pharmacy Specialist Baptist Health System-Montclair, Birmingham, Alabama

## 2 | Kimberly Bosworth Garza, PharmD, MBA, PhD

2000 Clinical Pharmacist  
Carraway Methodist Medical Center, Birmingham, Alabama  
1999-2000 Pharmacy Practice Resident  
Erlanger Health System, Chattanooga, Tennessee

### **AWARDS AND HONORS**

American Foundation for Pharmaceutical Education (AFPE) 2019 William M. Heller Mentor of the Year Award  
Auburn University Harrison School of Pharmacy 2019 (Inaugural) Dr. Lucinda Maine Pharmacy Education Fellow  
American Association of Colleges of Pharmacy Social and Administrative Sciences Section 2018 Best Poster Award  
Auburn University 2017-2018 Outstanding Graduate Mentor Award  
Auburn University Center for Health Ecology and Equity Research (CHEER) 2017 Health Equity Course Redesign Award  
Auburn University Harrison School of Pharmacy 2016-2017 Faculty Research Excellence Award  
Auburn University Harrison School of Pharmacy Fall 2016 Curriculum Star Award  
West Virginia University School of Pharmacy 2010 Graduate Student Outstanding Achievement Award  
E.J. Van Liere Convocation and Research Day 2010 Second Place Oral Presentation  
CVS Caremark – AFPE Pre-Doctoral Fellowship in Pharmaceutical Science 2009-2010  
International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 2009 Distinguished Service Award  
West Virginia University School of Pharmacy 2009 Graduate Student Research Award  
Robert E. Stitzel 2008 Graduate Student Support Award – Professional Development Award  
American Association of Colleges of Pharmacy 2007 Walmart Annual Conference Scholarship  
Rho Chi Society – Alpha Mu Chapter  
International Honor Society Beta Gamma Sigma  
Honor Society of Phi Kappa Phi  
Alpha Lambda Delta National Honor Society for First Year Students  
Phi Eta Sigma Honor Society

### **STUDENT AWARDS AND HONORS**

Faculty Mentor for Brandy Davis – AFPE Pre-Doctoral Fellowship in Health Outcome Disparities 2020-2021  
Faculty Mentor for Brandy Davis – American Association of Colleges of Pharmacy 2019 Walmart Annual Conference Scholarship  
Faculty Mentor for Brandy Davis – UAB Center for Clinical and Translational Science Pre-Doctoral Research Training Program (TL1) 2019-2020  
Faculty Mentor for Emily Peel – AACP-AFPE Gateway Award 2019-2020  
Faculty Mentor for Natalie Hohmann – AFPE Pre-Doctoral Fellowship in Pharmaceutical Science 2018-2019  
Faculty Mentor for Justin K. Owensby - American Association of Colleges of Pharmacy 2016 Walmart Annual Conference Scholarship  
Faculty Mentor for Justin K. Owensby – AFPE Pre-Doctoral Fellowship in Pharmaceutical Science 2015-2016  
Faculty Mentor for Benjamin S. Teeter – American Association of Colleges of Pharmacy 2013 Walmart Annual Conference Scholarship

### **PEER-REVIEWED PUBLICATIONS**

1. Rahman MM, Howard G, Qian J, **Garza K**, Abebe A, Hansen R. Disparities in cognitive impairment with anticholinergic drug use: A population-based study. *Neurol Clin Pract* 2020. In press.
2. Davis B, Qian J, Ngorsuraches S, Jeminiwa R, **Garza KB**. What Are The Effects Of Pharmacists In Mental Health Collaboration Teams? A Systematic Review. *J Am Pharm Assoc* 2020. In press.
3. Rahman MM, Howard G, Qian J, **Garza K**, Abebe A, Hansen R. Disparities in the appropriateness of medication use: Analysis of the REasons for Geographic and Racial Differences in Stroke (REGARDS) population-based cohort study. *Res Social Adm Pharm* 2020. Epub ahead of print.

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4. **Garza KB**, Hohmann NS, Kavookjian J, Kleppinger EL. Assessment of student performance on a mock new prescription counseling session and an objective structured clinical examination. *Curr Pharm Teach Learn* 2020;12(9):1046-55.
5. Hastings TJ, Hohmann LA, Huston SA, Ha D, Westrick SC, **Garza KB**. Enhancing pharmacy personnel immunization-related confidence, perceived barriers, and perceived influence: The We Immunize Program. *J Am Pharm Assoc* 2020;60(2):344-51.
6. Hohmann NS, **Garza KB**, Surry D, Hansen RA, Harris I, Kiptanui Z, Oguntimein O, Frost MM, Qian J. Healthcare provider opinions about a generic drug educational newsletter: A pilot cross-sectional survey. *Res Social Adm Pharm* 2019. Epub ahead of print.
7. Ford C, **Garza K**, Kavookjian J, Kleppinger E. Assessing student pharmacist communication skills: Development and Implementation of a Communication Rubric. *Curr Pharm Teach Learn* 2019;11(11):1123-31.
8. Hohmann LA, Hastings TJ, Ha DR, **Garza KB**, Huston SA, Chen L, Westrick SC. Impact of a multi-component immunization intervention on pneumococcal and herpes zoster vaccinations: A randomized controlled trial of community pharmacies in 2 states. *Res Social Adm Pharm* 2019;15(12):1453-63.
9. Huston SA, Ha DR, Hohmann LA, Hastings TJ, **Garza KB**, Westrick SC. Qualitative Investigation of Community Pharmacy Immunization Enhancement Program Implementation. *J Pharm Technol* 2019;35(5):208-18.
10. Jeminiwa R, Hohmann L, Qian J, **Garza K**, Hansen R, Fox BI. Impact of eHealth on medication adherence among patients with asthma: A systematic review and meta-analysis. *Respir Med* 2019;149:59-68.
11. Hohmann NS, **Garza KB**, Surry D, Hansen RA, Harris I, Kiptanui Z, Oguntimein O, Frost MM, Qian J. Communicating benefits and risks of generic drugs to consumers: Patient and caregiver opinions of two FDA-developed educational materials. *Res Social Adm Pharm* 2019;15(12):1489-93.
12. **Garza KB**, Datubo-Brown C, Gaillard P, Jeminiwa R. Delay discounting and its association with food purchasing considerations and food availability in the home in south-east Alabama, USA. *Public Health Nutr* 2019;22(2):287-94.
13. Hohmann N, Hansen R, **Garza KB**, Harris I, Kiptanui Z, Qian J. Association between higher generic drug use and Medicare Part D star ratings: An observational analysis. *Value in Health* 2018;21(10):1186-91.
14. Sonawane Deshmukh KB, Qian J, **Garza KB**, Wright BM, Zeng P, Ganduglia Cazaban CM, Hansen RA. Health care costs associated with addition, titration, and switching antihypertensive medications after first-line treatment: results from a commercially insured sample. *J Manag Care Pharm* 2017;23(6):691-699.
15. **Garza KB**, Owensby JK, Braxton Lloyd K, Wood EA, Hansen RA. Pilot study to test the effectiveness of different financial incentives to improve medication adherence. *Ann Pharmacother* 2016;50(1):32-8.
16. **Garza KB**, Ding M, Owensby JK, Zizza CA. Impulsivity and fast food consumption: a cross-sectional study among working adults. *J Acad Nutr Diet* 2016;116(1):61-8.
17. Teeter BS, Fox BI, **Garza KB**, Harris SG, Nau DP, Owensby JK, Westrick SC. Community pharmacy owners' views of star ratings and performance measurement: In-depth interviews. *J Am Pharm Assoc* 2016;56(5):549-54.
18. Sonawane KB, Qian J, **Garza KB**, Wright BM, Peng Z, Ganduglia-Cazaban CM, Hansen RA. Achieving adherence after first-line antihypertensive treatment: Should fixed dose combinations receive priority? *J Clin Hypertens* 2016;18(9):934-41.

19. Durham SH, **Garza KB**, Eiland LS. Relationship between vancomycin dosage and serum trough vancomycin concentrations in pediatric patients with cystic fibrosis. *Am J Health Syst Pharm* 2016;73(13):969-74.
20. Sonawane KB, Qian J, **Garza KB**, Wright BM, Peng Z, Ganduglia-Cazaban CM, Hansen RA. Patterns of treatment modifications among newly treated hypertensive patients: does choice of modification strategy affect likelihood of treatment discontinuation? *J Hypertens* 2016;(34(3):548-57.
21. Pickover A, Messina B, Correia C, **Garza K**, Murphy JG. A behavioral economic analysis of the nonmedical use of prescription drugs among young adults. *Exp Clin Psychopharmacol* 2016;24(1):38-47.
22. Eiland LS, **Garza KB**, Hester EK, Carroll DG, Kelley KW. Student perspectives and learning outcomes with implementation of team-based learning into a videoconferenced elective. *Curr Pharmacy Teach Learn* 2016;8(2):164-172.
23. Messina BG, Dutta NM, Silvestri MM, Diulio AR, **Garza KB**, Murphy JG, Correia CJ. Modeling motivations for non-medical use of prescription drugs. *Addict Behav* 2016;52:46-51.
24. **Garza KB**, Williamson M, Stevenson TL, Teeter BS, Zeek ML, Savoie M, Westrick SC. Patient vaccination education program through an introductory pharmacy practice experience. *Curr Pharmacy Teach Learn* 2015;7(6):764-70.
25. Ding M, Keiley MK, **Garza KB**, Duffy PA, Zizza CA. Food insecurity is associated with poor sleep outcomes among U.S. adults. *J Nutr* 2015;145(3):615-21.
26. Messina BG, Silvestri MM, Diulio AR, Murphy JG, **Garza KB**, Correia CJ. Alcohol use, impulsivity, and the non-medical use of prescription stimulants among college students. *Addict Behav* 2014;39(12):1798-803.
27. Teeter BS, **Garza KB**, Stevenson TL, Williamson MA, Zeek ML, Westrick SC. Factors associated with herpes zoster vaccination status and acceptance of vaccine recommendation in community pharmacies. *Vaccine* 2014; 32(43):5749-54.
28. Ding M, Wilson NLW, **Garza KB**, Zizza CA. Undiagnosed prediabetes among food insecure adults. *Am J Health Behav* 2014;38(2):225-33.
29. Westrick SC, **Garza KB**, Stevenson TL, Oliver WD. Association of blood pressure with sodium-related knowledge and behaviors in adults with hypertension. *J Am Pharm Assoc* 2014; 54(2):154-8.
30. **Garza KB**, Westrick SC, Teeter BS, Stevenson TL. Incorporating hypertensive patient education on salt intake into an introductory pharmacy practice experience. *Am J Pharm Educ* 2013; 77(9): Article199.
31. Wittayanukorn S, Westrick SC, Hansen RA, Billor N, Braxton-Lloyd K, Fox BI, **Garza KB**. Evaluation of medication therapy management services for patients with cardiovascular disease in a self-insured employer health plan. *J Manag Care Pharm* 2013; 19(5):385-95.
32. **Garza KB**, Harris CV, Bolding MS. Examination of value of the future and health beliefs to explain dietary and physical activity behaviors. *Res Social Adm Pharm* 2013; 9(6):851-62.
33. **Blake KB**, Shankar A, Madhavan S, Ducatman A. Associations among cardiometabolic risk factor clustering, weight status and cardiovascular disease in an Appalachian population. *J Clin Hypertens* 2010; 12(12): 964-72.
34. **Blake KB**, Madhavan SS. Perceived barriers to provision of medication therapy management services (MTMS) and the likelihood of a pharmacist to work in a pharmacy that provides MTMS. *Annals of Pharmacotherapy* 2010; 44(3): 424-31. Epub 2010 Feb 23.

35. **Blake KB**, Madhavan SS, Scott VG, Meredith Elswick BL. Medication therapy management services in West Virginia: Pharmacists' perceptions of educational and training needs. *Res Social Adm Pharm* 2009; 5(2): 182-8. Epub 2009 Jan 21.

### OTHER PUBLICATIONS

**Garza KB**. How do we close the intention-behavior gap? *J A Pharm Assoc* 2018;58:239-43.

### CONTRIBUTED RESEARCH PRESENTATIONS – INTERNATIONAL AND NATIONAL

1. Davis B, McDaniel C, **Garza K**. Psychotropic stigma among pharmacy students. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 2020, delivered virtually.
2. Jeminiwa RN, Banjara B, Rahman MM, **Garza KB**, Chou C, Franco-Watkins AM, Fox BI. What does it mean to live with asthma as a young adult? Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 2020, delivered virtually.
3. Hohmann LA, Fox BI, **Garza KB**, Wang C, Scott DB, Correia C, Curran GM, Westrick SC. Factors motivating pharmacist participation in community pharmacy-based naloxone services in the deep South. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 2020, delivered virtually.
4. Hohmann NS, Qian J, Westrick S, Hunt C, Hincapie A, **Garza KB**. Older adults' preferences for features of community-based fall prevention programs: A discrete choice experiment. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 2020, delivered virtually.
5. Sewell J, Kleppinger EL, Astle KN, Hutchison AM, **Garza KB**, Ford CR. Development of a self-assessment instrument to evaluate qualities and behaviors associated with pharmacist practice-readiness. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 2020, delivered virtually.
6. Hohmann NS, Qian J, Westrick SC, Hunt C, Hincapie AL, **Garza KB**. Older Adults' Preferences for Features of Community-based Fall Prevention Programs: A Discrete Choice Experiment. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 2020, delivered virtually.
7. Huo N, Chou C, **Garza KB**, Zeng P, Qian J. Clinical outcomes associated with comorbid asthma among prostate cancer patients in the United States. Poster presentation at the ISPOR Annual Meeting, May 2020, delivered virtually.
8. Hohmann NS, Qian J, Westrick S, Hunt C, Hincapie A, **Garza KB**. Older adults' perceived barriers to participating in community-based fall prevention programs. Poster presentation at the American Pharmacists Association (APhA) Annual Meeting, March, 2020, delivered virtually.
9. Prather CS, **Garza KB**, Abernathy CQ, Lloyd KB. Patient perceptions of tobacco use in healthcare providers compared to healthcare students' perceptions. Residents and Fellows Research Poster Presentation at the American College of Clinical Pharmacy Annual Meeting, October 2019, New York, NY.
10. Huo N, Chou C, **Garza KB**, Zeng P, Qian J. Trends and Factors Associated With Asthma Among U.S. Prostate Cancer Patients In 2007-2014. Poster Presentation at the 35th ICPE: International Conference on Pharmacoepidemiology & Therapeutic Risk Management. August 2019, Philadelphia, PA.
11. Hohmann NS, Qian J, Westrick SC, Hunt C, Hincapie AL, **Garza KB**. Interviews to Assess Older Adults' Preferences for Features of a Community-based Fall Prevention Program. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting, July, 2019, Chicago, IL.

12. Davis BR, **Garza KB**. What Are The Perceptions Of Pharmacists Collaborating On Mental Healthcare Teams? A Systematic Review. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting, July, 2019, Chicago, IL.
13. Crosby C, **Garza KB**. Associations between Food Purchasing Decisions and Weight Status among College Students. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting, July, 2019, Chicago, IL.
14. Hohmann LA, Fox BI, **Garza KB**, Wang CH, Scott DB, Correia C, Curran GM, Westrick SC. A Randomized Controlled Trial Evaluating the Impact of a Community Pharmacy-Based Naloxone Education Program. Poster Presentation at the American Association of Colleges of Pharmacy Annual Meeting, July, 2019, Chicago, IL.
15. Poudel N, Ngorsuraches S, Qian J, **Garza KB**. Methodological Variations among Health State Valuation Studies Using EQ-5D-5L: A Systematic Review. Poster presentation at the ISPOR Annual Meeting, May 2019, New Orleans, LA.
16. Li C, **Garza KB**, Ngorsuraches S, Qian J. Risk Factors of Fluoropyrimidine-Induced Cardiotoxicity among Cancer Survivors: A Systematic Review. Poster presentation at the ISPOR Annual Meeting, May 2019, New Orleans, LA.
17. Rahman M, Howard G, Qian J, **Garza KB**, Abebe A, Hansen RA. Disparities in Cognitive Impairment with Anticholinergic Drug Use: Analysis of the Reasons for Geographic and Racial Differences in Stroke (REGARDS) Study. Poster presentation at the ISPOR Annual Meeting, May 2019, New Orleans, LA.
18. Davis BR, Qian J, **Garza KB**, Ngorsuraches S. What Is the Effectiveness of Including Pharmacists in Collaborative Care Programs for Mental Health Treatment? A Systematic Review. Poster presentation at the ISPOR Annual Meeting, May 2019, New Orleans, LA.
19. Crosby C, Qian J, **Garza KB**, Ngorsuraches S. The Impact of Pharmacist-Delivered Medication Therapy Management (MTM) on Outcomes for Patients with Diabetes: A Systematic Review. Poster presentation at the ISPOR Annual Meeting, May 2019, New Orleans, LA.
20. **Garza KB**, Briggs K, Sanderson B, Durham S, Okerberg C, Peel E, Poudel N. Utilization of a brief delay discounting task to assess time preference at the point-of-care. Poster presentation at the Society of Behavioral Medicine Annual Meeting, March 8, 2019, Washington, DC.
21. Hohmann LA, Diggs K, Fox BI, **Garza KB**, Wang CH, Curran GM, Westrick SC. Empowering Community Pharmacists to Prevent Opioid Overdose Deaths: A Qualitative Study Exploring Pharmacists' Needs, Attitudes, Barriers, and Implementation Strategies Regarding Pharmacy-Based Naloxone Services. Podium presentation at the American Pharmacists Association (APhA) Annual Meeting, March 2019, Seattle, WA.
22. Hohmann NS; Qian J; Westrick S; Hunt C; Hincapie A; **Garza KB**. Patient Preferences for Features of Community-based Fall Prevention Programs: a Systematic Literature Review and Qualitative Meta-Synthesis. Podium presentation at the American Pharmacists Association (APhA) Annual Meeting, March 2019, Seattle, WA.
23. Boyle K, Gamston CE, Schaefer M, **Garza KB**, Lloyd KB. Evaluation of the factors that predict non-participation in a diabetes prevention program. Poster Presentation at the American Society of Health-System Pharmacists (ASHP) Midyear Meeting – Resident Poster Presentations, December 2018, Anaheim, CA.
24. Jeminiwa R, Hohmann N, Hastings T, Qian J, Hansen R, **Garza KB**. Association between adherence and number of prescribed medications with preference for incentives. Poster presentation at the Academy of Managed Care Pharmacy (AMCP) Nexus, October 2018, Orlando, Florida.
25. **Garza KB**. Incorporating behavioral economics for health behavior change into patient-centered care. Break-out session at the American Association of Cardiovascular and Pulmonary Rehabilitation Annual Meeting, September 14, 2018, Louisville, KY.

26. Aref H, **Garza KB**, Westrick S, Chou CE, Worthington D, Kam F. Effects of online video and text educational material on knowledge, perceptions, and intention of Men B vaccination among college students. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 23, 2018, Boston, MA.
27. Aref H, **Garza KB**, Chou CE, Fox B, Hester K. Social marketing in human immunodeficiency virus pre-exposure prophylaxis literature. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 23, 2018, Boston, MA.
28. **Garza KB**, Fowlin J, Ford CR, Wright B, Slater N. Preparing Practice-ready Graduates: An Integrated Approach to Health Systems Sciences. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 23, 2018, Boston, MA.
29. Owensby JK, **Garza KB**, Hansen RA, Fox BI, Franco-Watkins A, Hollingsworth JC. Defining and exploring the role of social incentives for health behavior change including medication adherence. Focus groups and poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 23, 2018, Boston, MA.
30. Hastings T, Hohmann L, **Garza K**, Huston S, Ha David, Westrick S. Enhancing pharmacy personnel immunization-related confidence, perceived barriers, and perceived influence. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 23, 2018, Boston, MA.
31. Hastings T, Hohmann N, Jeminiwa R, Hansen R, Qian J, **Garza KB**. Perceived appropriateness of medication adherence incentives. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 23, 2018, Boston, MA.
32. Hohmann N, Surry D, **Garza KB**, Hohmann L, Mishuk AU, Hansen R, Harris I, Kiptanui Z, Qian J. Improving Patient Educational Materials Regarding Generic Drugs: A Qualitative Study. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 23, 2018, Boston, MA.
33. Hohmann N, Hastings T, Jeminiwa R, Qian J, Hansen R, **Garza KB**. Patient preferences for social incentives for medication adherence: A discrete choice experiment. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research Annual Meeting, May 2018, Baltimore, MD.
34. Alatawi YM, Qian J, **Garza KB**, Hansen RA. Efficacy comparison between dipeptidyl peptidase-4 inhibitors on add-on therapy to metformin for patients with diabetes mellitus type 2: A network meta-analysis. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research Annual Meeting, May 2018, Baltimore, MD.
35. Huo N, Li C, Chou C, **Garza KB**, Qian J. Trends and factors associated with respiratory allergy conditions among U.S. prostate cancer patients in 2007-2016. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research Annual Meeting, May 2018, Baltimore, MD.
36. Aref H, **Garza KB**. An Analysis of Meningitis B Vaccine Internet-Based Media Messages Using the Health Belief Model. Poster presentation at the American Pharmacists Association (APhA) Annual Meeting, March 17, 2018, Nashville, TN.
37. Hohmann L, Hastings T, **Garza KB**, Huston S, Ha D, Westrick S. Impact of a Multicomponent Immunization Intervention on Pneumococcal and Herpes Zoster Vaccinations: A Randomized Controlled Trial of Community Pharmacies in 2 States. Poster presentation at the American Pharmacists Association (APhA) Annual Meeting, March 17, 2018, Nashville, TN.
38. Hohmann N, Hastings T, Jeminiwa R, Qian J, Hansen R, **Garza K**. Relationship between Perceived Medication Adherence Barriers and Incentive Preference. Poster presentation at the American Pharmacists Association (APhA) Annual Meeting, March 17, 2018, Nashville, TN.

39. Okerberg C, Payne H, Elston R, Durham S, **Garza KB**. Using the Three-option Adaptive Discounting measure (ToAD) to assess correlations between impulsivity and medication adherence: A pilot study. Poster presentation at the American Society of Health-System Pharmacists Midyear Meeting, December 2017, Orlando, FL.
40. Fever J, Gamston CE, Gray W, **Garza KB**, Braxton Lloyd K. Evaluation of the factors that predict non-participation in a diabetes prevention program: Project in Progress. Poster presentation at the American Society of Health-System Pharmacists Midyear Meeting, December 2017, Orlando, FL.
41. Hohmann N, Hastings T, Jeminiwa R, **Garza KB**, Qian J, Hansen R. Patient Preferences for Financial Versus Social Incentives for Medication Adherence in Chronic Conditions. Oral poster presentation at the 39th Annual Meeting of the Society for Medical Decision Making (SMDM), October 2017, Pittsburgh, PA.
42. Hastings T, Hohmann L, McFarland S, **Garza K**, Ha D, Huston S, Westrick S. Integration of multi-disciplinary concepts to enhance non-seasonal vaccinations: We Immunize Training Program. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 17, 2017, Nashville, TN.
43. Owensby J, **Garza KB**, Hansen R, Fox B, Franco-Watkins A. Leveraging behavioral economics-based interventions to improve medication adherence. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 17, 2017, Nashville, TN.
44. Lisenby KM, **Garza KB**, Andrus MR. Development and validation of a pre- and post-exam with self-directed activities for primary care advanced pharmacy practice experiences (APPEs). Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 16, 2017, Nashville, TN.
45. Hastings TJ, Hansen RA, **Garza KB**, Qian J, Westrick SC. Completeness of immunization information system vaccine information: a systematic review. Podium presentation at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 22<sup>nd</sup> Annual International Meeting, May 22, 2017, Boston, MA.
46. Mishuk AU, Qian J, **Garza KB**, Hansen RA. Impact of health insurance benefit design on generic drug use in the United States: a systematic review. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 22<sup>nd</sup> Annual International Meeting, May 22, 2017, Boston, MA.
47. Huo N, Qian J, Hansen RA, **Garza KB**. Association between asthma and risk of prostate cancer – a systematic review and meta-analysis. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 22<sup>nd</sup> Annual International Meeting, May 22, 2017, Boston, MA.
48. Hohmann N, **Garza KB**, Qian J, Hansen RA. Association of sedative hypnotics and fall risk in community-dwelling older adults with chronic conditions: a systematic literature review. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 22<sup>nd</sup> Annual International Meeting, May 23, 2017, Boston, MA.
49. Hohmann LA, Qian J, **Garza KB**, Hansen RA, Westrick SC. Comparative effectiveness of opioid abuse treatments: a systematic review. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 22<sup>nd</sup> Annual International Meeting, May 23, 2017, Boston, MA.
50. Jeminiwa RN, Qian J, Hansen RA, **Garza KB**, Fox BI. The use of e-health to improve medication adherence among patients with asthma: a systematic review and meta-analysis. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 22<sup>nd</sup> Annual International Meeting, May 23, 2017, Boston, MA.
51. **Garza KB**, Brown CD, Gaillard P, Jeminiwa R. Impulsivity and its association with food purchasing behaviors and the home food environment in southeast Alabama. Poster presentation at the Society of Behavioral Medicine 38<sup>th</sup> Annual Meeting and Scientific Sessions, March 31, 2017, San Diego, CA.



52. Amirian I, Huston S, Ha D, **Garza K**, Hohmann L, Hastings T, McFarland S, Westrick S. Results of immunization delivery enhancement intervention on pneumococcal and herpes zoster immunization planning in Alabama and California Community Pharmacies. Poster presentation at the American Pharmacists Association Annual Meeting and Exposition, March 25, 2017, San Francisco, CA.
53. Hastings T, McFarland S, Hohmann L, **Garza K**, Westrick S, Huston S, Ha D. Recruiting community pharmacies in intervention research: participation decisions and lessons learned. Poster presentation at the American Pharmacists Association Annual Meeting and Exposition, March 25, 2017, San Francisco, CA.
54. **Garza KB**, Kleppinger E, Hohmann N, Kavookjian J. Evolution and outcomes of a patient counseling training module for first-year student pharmacists. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 25, 2016, Anaheim, CA.
55. Hohmann L, **Garza KB**. The moderating power of impulsivity: a systematic literature review examining the theory of planned behavior. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 25, 2016, Anaheim, CA.
56. **Garza KB**, Owensby J, Braxton Lloyd K, Wood EA, Hansen RA. Effectiveness of different financial incentives to improve medication adherence. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 12, 2015, Washington, DC.
57. Durham SH, **Garza KB**, Eiland LS. Vancomycin Dosing and Serum Trough Concentrations in Cystic Fibrosis Patients: Is the Relationship Predictable? Poster presentation presented at the Pediatric Pharmacy Advocacy Group Annual Meeting, May 1, 2015, Minneapolis, MN.
58. Sonawane KB, Qian J, **Garza KB**, Wright BM, Zeng P, Ganduglia Cazaban CM, Hansen RA. Patterns of treatment modifications in newly treated hypertensive patients: does choice of modification strategy affect likelihood of treatment discontinuation? Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 20th Annual International Meeting, May 19, 2015, Philadelphia, PA.
59. **Garza KB**, Owensby J, Hansen R, Braxton Lloyd K. Comparison of usual care with different financial incentives to improve medication adherence. Poster presentation at the Society of Behavioral Medicine 36<sup>th</sup> Annual Meeting and Scientific Sessions, April 22, 2015, San Antonio, TX.
60. Dutta NM, Messina B, Silvestri M, Diulio A, **Garza KB**, Murphy JG, Correia CJ. Modeling functional, recreational, and mixed motivations for non-medical use of prescription drugs. Poster presentation at the annual meeting of the Association for Behavioral and Cognitive Therapies, November 21, 2014, Philadelphia, PA.
61. **Garza KB**, Savoie M, Zeek M, Teeter BS, Williamson M, Stevenson TL, Westrick S. Student and preceptor perceptions of a vaccination education service learning activity. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 28, 2014, Grapevine, TX.
62. Teeter BS, Westrick SC, **Garza KB**, Stevenson TL, Williamson MA. Factors associated with vaccination status and likelihood to accept vaccine recommendation of zoster vaccine in community pharmacies. Poster presentation at the American Pharmacists Association Annual Meeting and Exposition, March 29, 2014, Orlando, FL.
63. Coleman MJ, Wright BM, Phillippe H, Andrus M, **Garza KB**. Patient perception of pharmacist involvement in direct care in university-affiliated outpatient clinics. Poster presentation at the American Society of Hospital Pharmacists Midyear Clinical Meeting, December 9, 2013, Orlando, FL.
64. Messina BG, Silvestri MM, Diulio AR, **Garza KB**, Murphy JG, Correia CJ. Examination of drinking habits and impulsivity among non-medical prescription drug users across three different drug classes. Poster presentation at the annual meeting of the Association for Behavioral and Cognitive Therapies. November 23, 2013, Nashville, TN.

65. Messina BG, Diulio AR, Silvestri MM, **Garza KB**, Murphy JG, Correia CJ. Non-medical use of prescription drugs use among college students: Prevalence and motives for use. Poster presentation at the annual meeting of the Association for Behavioral and Cognitive Therapies. November 23, 2013, Nashville, TN.
66. Eiland LS, Kelley K, **Garza KB**. Incorporating team-based learning into topic discussions in a drugs in pregnancy elective. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 14, 2013, Chicago, IL.
67. Westrick SC, Stevenson TL, **Garza KB**, Teeter BS. Providing salt education to hypertensive patients through an introductory pharmacy practice experience in community pharmacy. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 15, 2013, Chicago, IL.
68. **Blake KB**, Hill S, Kavookjian J. How pharmacy students value the future and its association with intended health behavior change. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 15, 2012, Kissimmee, FL.
69. Diulio A, McMurray M, **Blake, KB**, Murphy J, Correia C. Protective behavioral strategies mediate relationship between impulsivity and negative outcomes in college student drinking game participants. Poster presentation at the Research Society on Alcoholism 35<sup>th</sup> Annual Scientific Meeting, June 27, 2012, San Francisco, CA.
70. Matthews-Ewald M, Harris CV, Berner A, Eubank S, Penwell L, Bradlyn AS, Frost SS, Kennedy K, Blower K, Coffman J, **Blake KB**. Media outlets and utilization in rural areas. Podium presentation at the American Public Health Association 139<sup>th</sup> Annual Meeting and Exposition, November 1, 2011, Washington, DC.
71. Frost SS, Harris CV, Bradlyn AS, Matthews-Ewald M, Blower K, Kennedy K, Moore LC, **Blake KB**, Coffman J, Penwell L. Using trails to enhance connectivity and physical activity in rural areas. Podium presentation at the American Public Health Association 139<sup>th</sup> Annual Meeting and Exposition, November 1, 2011, Washington, DC.
72. Frost SS, **Blake KB**, Matthews-Ewald M, Harris CV, Bradlyn AS, Moore LC, Coffman J, Wittberg RA. Communities putting prevention to work: Documenting the food environment and improving access to fresh fruits and vegetables. Podium presentation at the American Public Health Association 139<sup>th</sup> Annual Meeting and Exposition, October 31, 2011, Washington, DC.
73. **Blake KB**, Harris CV. Assessing the influence of delay discounting of future health on diet and physical activity behaviors: does it differ by body mass index category? Poster presentation at the Society for Medical Decision Making 33<sup>rd</sup> Annual Meeting, October 24, 2011, Chicago, IL.
74. **Blake KB**, Harris CV. Assessing the influence of delay discounting of future health and perception of personal risk of heart disease on diet and physical activity behaviors. Poster presentation at the Society of Behavioral Medicine 32<sup>nd</sup> Annual Meeting, April 27, 2011, Washington, DC.
75. Matthews MR, Harris CV, Moore LC, Bradlyn AS, Purkey M, Kennedy K, Blower K, Wood MB, **Blake KB**, Frost SS, Coffman J, O'Hara-Tompkins N. Parental reports of weight-based teasing and weight-control practices among their children. Poster presentation at the Society of Behavioral Medicine 32<sup>nd</sup> Annual Meeting, April 27, 2011, Washington, DC.
76. Moore LC, Bradlyn AS, Harris CV, Kennedy K, Blower K, Purkey M, Wood MB, Frost SS, Coffman J, **Blake KB**, Tompkins NO. Exploring the factors that influence child and adolescent weight concern. Poster presentation at the Society of Behavioral Medicine 32<sup>nd</sup> Annual Meeting, April 27, 2011, Washington, DC.
77. Penwell L, Moore LC, Harris CV, Bradlyn AS, Blower K, Purkey M, Kennedy K, Wood MB, Coffman JW, Frost SS, **Blake KB**. Family nutrition and physical activity environments predict child health behaviors. Poster presentation to the Society of Behavioral Medicine 32<sup>nd</sup> Annual Meeting, April 27, 2011, Washington, DC.

78. Matthews-Ewald M, Harris CV, Berner A, Eubank S, Penwell L, Bradlyn AS, Frost SS, Kennedy K, Blower K, Coffman J, **Blake KB**. Media outlets and utilization in rural areas. Poster presentation at the American Public Health Association 139<sup>th</sup> Annual Meeting and Exposition, November 1, 2011, Washington, DC.
79. **Blake KB**, Bradlyn AS, Harris CV, Moore LC, Frost SS, Goff RJ, Wood M, Chapman D, Purkey M, Kennedy K, Blower K, Coffman J. Marketing of foods and beverages in schools: state-level policies to reduce the impact on childhood obesity. Poster presentation at the American Public Health Association 138<sup>th</sup> Annual Meeting and Exposition, November 8, 2010, Denver, CO.
80. Bradlyn AS, Harris CV, Goff RJ, Wood M, Moore LC, Chapman D, Kennedy K, Purkey M, Blower K, **Blake KB**, Frost SS, Coffman J. Impact of the West Virginia school nutrition policies on vending machine revenues. Poster presentation at the American Public Health Association 138<sup>th</sup> Annual Meeting and Exposition, November 8, 2010, Denver, CO.
81. Frost SS, Harris CV, Bradlyn AS, Tompkins NO, Coffman J, Moore LC, **Blake KB**, Purkey M, Chapman D, Kennedy K, Blower K. Policies, programs, and physical environment: School-based opportunities for physical activity in West Virginia schools. Poster presentation at the American Public Health Association 138<sup>th</sup> Annual Meeting and Exposition. November 8, 2010, Denver, CO.
82. Harris CV, Bradlyn AS, Tompkins NO, Moore LC, Purkey M, Chapman D, Kennedy K, Blower K, Frost SS, **Blake KB**, Coffman J. Implementation of legislative mandates to address childhood obesity: challenges for schools. Podium presentation at the American Public Health Association 138<sup>th</sup> Annual Meeting and Exposition. November 8, 2010, Denver, CO.
83. **Blake KB**, Harris CV. Association of coronary heart disease (CHD) knowledge, perceived risk, diet and physical activity behaviors. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 12, 2010, Seattle, WA.
84. **Blake KB**, Halverson J. Health disparities in modifiable risk factors for coronary heart disease: a comparison of Appalachian to non-Appalachian portions of Appalachian states. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 15<sup>th</sup> Annual International Meeting, May 19, 2010, Atlanta, GA.
85. Bradlyn AS, Harris CV, Goff R, Wood M, Chapman D, Kennedy K, Blower K, Purkey M, Tompkins NO, Moore L, **Blake KB**, Frost S. Implementation and impact of IOM school nutrition guidelines: West Virginia Standards for School Nutrition. Poster presentation at the Society for Behavioral Medicine 31<sup>st</sup> Annual Meeting, April 7, 2010, Seattle, WA.
86. **Blake KB**, Harris CV, Bradlyn AS, O'Hara Tompkins N, Kelly GA, Moore LC, Abildso L, Coffman J, Purkey M, Chapman D, Kennedy K, Blower K. Weight status, current eating habits, and intention to change in West Virginia parents and adolescents. Podium presentation at the American Public Health Association 137<sup>th</sup> Annual Meeting and Exposition, November 11, 2009, Philadelphia, PA.
87. **Blake KB**, Harris CV, Bradlyn AS, Gunel E. Using a pictorial body size guide to assess women's perceptions of ideal body size and associations with weight-related health beliefs. Poster presentation at the Society for Medical Decision Making 31<sup>st</sup> Annual Meeting, October 20, 2009, Hollywood, CA.
88. **Blake KB**, Harris CV, Bradlyn AS, Abildso L, Coffman J, O'Hara Tompkins N, Purkey M, Chapman D, Kennedy K, Blower K. Revenues from vended beverages in West Virginia public schools. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 14<sup>th</sup> Annual International Meeting, May 19, 2009, Orlando, FL.
89. **Blake KB**, Harris CV, Bradlyn AS, Abildso L, Coffman J, Purkey M, Chapman D, Kennedy K, Blower K, O'Hara Tompkins N. Availability of healthy and unhealthy beverages in vending machines in West Virginia schools. Podium presentation at the National Conference on Chronic Disease Prevention and Control, February 23, 2009, National Harbor, MD.

90. Keller LA, Slain D, Moffett ML, **Blake KB**. Assessment of empiric and directed fluconazole and caspofungin usage patterns in patients with candidemia. Poster presentation at the American College of Clinical Pharmacy 2008 Annual Meeting, October 20, 2008, Louisville, KY.
91. **Blake KB**, Madhavan SS, Moffett ML, Scott V, Elswick BM. How do pharmacists choose an employer? Factor analysis of pharmacists' perceived barriers to provision of medication therapy management services (MTMS) in West Virginia. Poster presentation at the International Society for Pharmacoeconomics and Outcomes Research (ISPOR) 13<sup>th</sup> Annual International Meeting, May 5, 2008, Toronto, ON, Canada.
92. **Blake KB**, Madhavan SS, Scott V. Medication therapy management services (MTMS) in West Virginia: a needs assessment of community pharmacies and pharmacists. Poster presentation at the American Association of Colleges of Pharmacy Annual Meeting, July 16, 2007, Orlando, FL.
93. **Blake KB**, Chicella MF, Mancao MY. Drug allergy or drug side effect? Stepwise procedure for interpreting patient-reported drug allergies. Poster presentation at the American Society of Health-Systems Pharmacists Midyear Clinical Meeting, December 7, 1999, Orlando, FL.

#### **CONTRIBUTED RESEARCH PRESENTATIONS – REGIONAL**

1. Hohmann N, Surry D, **Garza KB**, Hohmann L, Mishuk AU, Hansen R, Harris I, Kiptanui Z, Qian J. Improving Patient Educational Materials Regarding Generic Drugs: A Qualitative Study. Podium presentation at the Southern Pharmacy Administration Conference, June 2018, Auburn, AL.
2. Prather CS, **Garza KB**, Correia CJ, Braxton Lloyd K. Pharmacy and nursing student perceptions of smoking in healthcare providers. Poster presentation at the Alabama Society of Health-System Pharmacists Summer Meeting, June 12, 2017, Destin, FL.
3. Owensby JK, **Garza KB**, Hansen RA, Fox, BI, Franco-Watkins AM. Leveraging Behavioral Economics-Based Interventions to Improve Medication Adherence. Podium presentation at the Southern Pharmacy Administration Conference, June 25, 2016, Oxford, MS.
4. Hohmann L, **Garza KB**. The moderating power of impulsivity: a systematic literature review examining the theory of planned behavior. Poster presentation at the Southern Pharmacy Administration Conference, June 25, 2016, Oxford, MS.
5. Hohmann N, Hastings T, Jeminiwa R, **Garza KB**, Qian J, Hansen R. Proposal for a cross-sectional survey to explore preferences for and perceptions of medication adherence incentives among patients taking medication for a chronic disease. Poster presentation at the Southern Pharmacy Administration Conference, June 25, 2016, Oxford, MS.
6. Durham SH, **Garza KB**, Eiland LS. Vancomycin dosing and serum trough concentrations in cystic fibrosis patients: Is the relationship predictable? Poster presentation at the Alabama Society of Health Systems Pharmacists meeting. June 1, 2015, Pensacola Beach, FL.
7. Owensby J, Qian J, Hansen R, **Garza K**. Reinforcing medication adherence with financial or material incentives. Poster presentation at the Southern Pharmacy Administration Conference, June 21, 2014, Oklahoma City, OK.
8. **Blake KB**. Expansion of an existing intravenous-to-oral antibiotic conversion program. Podium presentation at the Southeastern Residency Conference, April 28, 2000, Athens, GA.

#### **CONTRIBUTED RESEARCH PRESENTATIONS – LOCAL**

1. Tanni KA, **Garza KB**. Association of Depressive Symptoms and Suicidal Ideation with Impulsive Choice: Findings from Nationally Representative Survey. Poster Presentation at the Auburn University Center for Neuroscience Initiative Inaugural Retreat, March 2020, Auburn, AL.

2. Hohmann NS, Qian J, Westrick S, Hunt C, Hincapie A, **Garza KB**. Patient Preferences for Features of Community-based Fall Prevention Programs: a Systematic Literature Review and Qualitative Meta-Synthesis. Podium Presentation at the Auburn University This is Research Student Symposium, April 2019, Auburn, AL.
3. Li C, **Garza KB**, Ngorsuraches S, Qian J. Risk Factors of Fluoropyrimidine-Induced Cardiotoxicity among Cancer Survivors: A Systematic Review. Podium Presentation at the Auburn University This is Research Student Symposium, April 2019, Auburn, AL.
4. Qian J, Hohmann N, Surry D, **Garza KB**, Hohmann L, Mishuk AU, Hansen R, Harris I, Kiptanui Z. Infographics for healthcare providers and policymakers: A collaboration between Auburn University, IMPAQ International, and the FDA. Auburn University (AU) Showcase, September 2018, Auburn, AL.
5. Hohmann N, Hastings T, Jeminiwa R, Qian J, Hansen R, **Garza KB**. Patient preferences for financial versus social incentives for medication adherence in chronic conditions. Poster presentation at the Auburn University This is Research: Student Forum, March 26, 2018, Auburn, AL.
6. Aref H, **Garza K**, Westrick S, Chou E, Worthington D, Kam F. Effects of online video and text educational material on knowledge, perceptions, and intentions of Men B vaccination among young adults. Poster presentation at the Auburn University This is Research: Student Forum, March 26, 2018, Auburn, AL.
7. Peel E, Mehringer S, **Garza K**. Patient satisfaction with pharmacist-delivered disease state management in a heart failure clinic. Poster presentation at the Auburn University This is Research: Student Forum, March 26, 2018, Auburn, AL.
8. Hohmann N, Hastings T, Jeminiwa R, Qian J, Hansen R, **Garza KB (presenter)**. Patient Preferences for and Perceptions of Incentives for Medication Adherence. Poster presentation at the Auburn University This is Research: Faculty Symposium. September 22, 2017, Auburn, AL.
9. Aref HA, **Garza K**. Assessing inclusion of Health Belief Model constructs in mass media messages targeting meningitis B vaccination in college students. Poster presentation at the Auburn University This is Research: Student Symposium. April 13, 2017, Auburn, AL.
10. Hastings T, McFarland S, Hohmann L, **Garza K**, Westrick S, Huston S, Ha D. Recruiting community pharmacies in intervention research: participation decisions and lessons learned. Poster presentation at the Auburn University This is Research: Student Symposium. April 13, 2017, Auburn, AL.
11. Hohmann N, **Garza KB**, Qian J, Hansen RA. Association of sedative hypnotics and fall risk in community-dwelling older adults with chronic conditions: a systematic literature review. Poster presentation at the Auburn University This is Research: Student Symposium. April 13, 2017, Auburn, AL.
12. Owensby JK, **Garza K**, Hansen R, Fox B, Franco-Watkins A. Leveraging behavioral economics-based interventions to improve medication adherence. Poster presentation at the Auburn University This is Research: Student Symposium. April 13, 2017, Auburn, AL.
13. Prather CS, **Garza KB**, Correia CJ, Braxton Lloyd K. Pharmacy and nursing student perceptions of smoking in healthcare providers. Poster presentation at the Auburn University This is Research: Student Symposium. April 13, 2017, Auburn, AL.
14. **Garza KB** on behalf of the Auburn University Obesity Working Group. Bridging interdisciplinary research and communities to address the obesity epidemic in Alabama. Poster presentation at the State of Healthcare in Alabama, Alabama-Germany Partnership Business Seminar, March 3, 2017, Auburn, AL.
15. Hohmann L, **Garza KB**. The moderating power of impulsivity: a thorough literature review examining the theory of planned behavior. Poster presentation at the Auburn University 4th Annual Harrison School of Pharmacy Research Symposium, April 13, 2016, Auburn, AL.

16. Hohmann L, **Garza KB**. The moderating power of impulsivity: a thorough literature review examining the theory of planned behavior. Poster presentation at the Auburn University This is Research: Student Symposium. April 8, 2016, Auburn, AL.
17. **Garza KB**. The association between body weight, value of the future, and dietary behaviors. Poster presentation at the Auburn University Research Week, Tuesday, April 2, 2013, Auburn, AL.
18. **Blake KB**, Harris CV. Assessing the influence of coronary heart disease (CHD) knowledge, perception of personal risk, and delay discounting of future health on diet and physical activity behaviors. Invited podium presentation at the West Virginia University School of Pharmacy Research Day, October 1, 2010, Morgantown, WV.
19. **Blake KB**, Shankar A, Madhavan SS, Ducatman A. Association among cardiometabolic risk factor clustering, weight status and cardiovascular disease in an Appalachian population. Poster presentation at the West Virginia University E.J. Van Liere Memorial Research Convocation and Research Day, April 21, 2010, Morgantown, WV.
20. **Blake KB**, Shankar A, Madhavan SS, Ducatman A. Prevalence of obesity and other cardiac risk factors in an Appalachian region: association of cardiometabolic risk factor clustering and weight status. Invited poster presentation at the West Virginia University School of Dentistry 16<sup>th</sup> Annual Research Day, February 2, 2010, Morgantown, WV.
21. **Blake KB**, Shankar A, Madhavan SS, Ducatman A. Prevalence of obesity and other cardiac risk factors in an Appalachian region: association of cardiometabolic risk factor clustering and weight status. Poster presentation at the West Virginia University E.J. Van Liere Memorial Research Convocation and Research Day, April 29, 2009, Morgantown, WV.
22. **Blake KB**, Madhavan SS, Moffett ML, Scott V, Elswick BM. How do pharmacists choose an employer? Factor analysis of pharmacists' perceived barriers to provision of medication therapy management services (MTMS) in West Virginia. Poster presentation at the West Virginia University E.J. Van Liere Convocation and Research Day, April 22, 2008, Morgantown, WV.
23. **Blake KB**, Madhavan SS, Scott V. Medication therapy management services (MTMS) in West Virginia: a needs assessment of community pharmacies and pharmacists. Poster presentation at the West Virginia University School of Dentistry 14<sup>th</sup> Annual Research Day, February 5, 2008, Morgantown, WV.

## **GRANTS**

**Garza (PI)**

4/1/2019-3/31/2020

Auburn University Augmented Reality/Virtual Reality Grants Program

Pilot study to test feasibility and guide development of an immersive VR experience to change health perceptions and behaviors in patients with rheumatoid arthritis

The objective of this proposal was to assess patient acceptance of using a virtual reality headset in an immersive virtual experience to inform the development of an experience designed to shift patient orientation to a more future-focus, increasing patient engagement in protective health behaviors.

Role: PI

Funded for \$3,528

Jingjing Qian (co-PI) and Ilene Harris (co-PI)

9/1/2016-8/31/2018

Food and Drug Administration (5U01FD005476-02)

Educating groups influencing generic drug use

The objective of this proposal is to understand roles of key groups and the extent of their influence on generic drug use in order to provide additional and effective outreach to meet their informational needs.

Role: Co-Investigator

Funded for \$499,847

**Garza (PI)** 5/1/2016-4/30/2018  
Auburn University Intramural Grants Program  
Patient preferences for and perceptions of medication adherence incentives  
The objective of this proposal was to explore perceptions and preferences for medication adherence incentives among a nationally representative sample of adults with chronic conditions, and to explore the association between these preferences, perceived barriers to medication adherence, and patient characteristics.  
Role: PI  
Funded for \$8,975

**Westrick (PI)** 9/1/2015-8/31/2017  
Merck Investigator Studies Program  
Impact of a multicomponent immunization intervention on pneumococcal and herpes zoster vaccinations: A randomized controlled trial of community pharmacies in two states  
The objective of this proposal is to increase the current level of pharmacy-based immunization delivery of pneumococcal vaccine and herpes zoster vaccine and foster practice change to sustain the intervention effect.  
Role: Co-Investigator  
Funded for \$199,999

**Garza (PI)** 1/1/2014-12/31/2014  
American Association of Colleges of Pharmacy New Investigator Award  
Effectiveness of different financial incentives to improve medication adherence  
The objective of this proposal was to determine the relative effectiveness of interventions for medication adherence that use frequent feedback and incentives, based on concepts from behavioral economics.  
Role: PI  
Funded for \$11,000

**Blake (PI)** 2/1/2012-1/31/2013  
Auburn University Intramural Grants Program  
The association between body weight, value of the future and dietary behaviors  
The objective of this proposal was to evaluate the association between value of the future and dietary behaviors in underweight/healthy weight individuals compared to overweight/obese individuals.  
Role: PI  
Funded for \$4,000

### **TEACHING EXPERIENCE**

**PYPD 9370: Longitudinal 6 (2020 to present)** – 3 credit hour required course in the “Practice Ready Graduate” Doctor of Pharmacy curriculum, average enrollment 150 first-year pharmacy students. Serve as instructor in Unit 1, delivering content for a session on Practice-Based Evidence in Pharmacy Practice – Antimicrobial Stewardship Services.

**PYPD 9350: Longitudinal 4 (2019 to present)** – 3 credit hour required course in the “Practice Ready Graduate” Doctor of Pharmacy curriculum, average enrollment 150 first-year pharmacy students. Serve as instructor in Unit 1, delivering content for a session on Financial Management and Accounting.

**PYPD 9340: Longitudinal 3 (2018 to present)** – 3 credit hour required course in the “Practice Ready Graduate” Doctor of Pharmacy curriculum, average enrollment 150 first-year pharmacy students. Serve as instructor in Units 3 and 4, delivering content for sessions on Extended Marketing Principles, Budget Development, and Break-Even Analysis.

**PYPD 9320: Longitudinal I (2017 to present)** – 3 credit hour required course in the “Practice Ready Graduate” Doctor of Pharmacy curriculum, average enrollment 150 first-year pharmacy students. Serve as both instructor and Learning Experience Coordinator for the course, delivering content for sessions on Barriers to Care, Patient Needs Assessment, Patient Care Resources, Patient Satisfaction, and Health-related Quality of Life.

**PYPD 9200: Integrated Learning Experience I (2017)** – 6 credit hour required course in the “Practice Ready Graduate” Doctor of Pharmacy curriculum, average enrollment 150 first-year pharmacy students. Served as both instructor and Unit 3 liaison in the first year, delivering content for sessions on Patient Counseling and Adherence in Diabetes and Obesity. Now serve solely as Unit 3 Liaison.

**BIOL 4980 / PSYC3940: Undergraduate Research Experience in Health Behavior (2016 to 2017)** – 2 or 3 credit hour elective undergraduate course, average enrollment 1 student. Serve as course coordinator and sole instructor.

**PYDI 9010: Patient Centered Skills (2011 to 2016)** – 3 credit hour required professional course, average enrollment 150 first-year pharmacy students. Serve as an instructor in this course, delivering content for lectures on Behavioral Economics and New Prescription Counseling, and coordinating the New Prescription Counseling video assignment.

**PYDI 9210: Pharmacy Practice Management, Development, and Evaluation I (2013 to 2017)** – 3 credit hour required professional course, average enrollment 150 second-year pharmacy students. Serve as an instructor in this course, delivering content for a lecture on Principles of Management.

**PYDI 9310: Pharmacy Practice Management, Development, and Evaluation II (2012 to 2018)** – 3 credit hour required professional course, average enrollment 150 second-year pharmacy students. Serve as an instructor in this course, delivering content for lectures on Financial Statements and Financial Analysis.

**HORP 7510: Health Services Delivery and Evaluation (2011 to 2017)** – 3 credit hour required graduate course, average enrollment 7 students. Serve as an instructor in this course, delivering content for lectures on Validity and Reliability, Detecting, Interpreting and Analyzing Program Effects, and Bias in Alternative Designs.

**HORP 7520: Social and Behavioral Theory in Health (2012 to present)** – 3 credit hour required graduate course, average enrollment 7 students. This was a new course that I helped to develop. Serve as course coordinator and instructor in this course, delivering content for lectures on Introduction to Behavioral Theory, Behavioral Economics and Health Behavior Change, Precaution/Adoption Process Model, Social Marketing and Ecological Models and coordinating the research proposal assignment.

**HORP 7530: Pharmaceutical Economics, Outcomes, and Policy (2012 to 2018)** – 3 credit hour required graduate course, average enrollment 7 students. Serve as an instructor in this course, delivering content for lectures on Cost Utility Analysis, Health Outcomes Measurement, Health Related Quality of Life, and Patient Satisfaction.

### **INVITED LECTURES**

1. Rogers S, Eiland L, DeRuiter J, Kleppinger E, **Garza KB**. HSOP Faculty Panel Discussion. Invited panel discussion via videoconference at the Auburn University Harrison School of Pharmacy SoTL Day, June 19, 2020.
2. **Garza KB**, Coop A, Axon R, Hohmann N. Imagining Creative Pathways to your Future Career. Invited professional development webinar at the American Association of Pharmaceutical Sciences Career Planning Workshop: Navigating the Job Market Today, June 6, 2020.
3. Hohmann N, **Garza KB**, Hastings T, Davis B, Masamha P, Rabionet S. How to Get the Most Out of Mentoring: Tips for Graduate Students and New Faculty. Invited educational webinar for the American Association of Colleges of Pharmacy/American Pharmacists Association, February 3, 2020.
4. **Garza KB**, Cummins B. Tools and Tricks for Medication Adherence in Cardiac and Pulmonary Rehabilitation. Invited educational webinar for the American Association of Cardiovascular and Pulmonary Rehabilitation, September 25, 2019.
5. **Garza KB**. Heart Health . . . Back to the Future. Invited presentation at the Southern Association for Cardiovascular and Pulmonary Rehabilitation Annual Conference, April 5, 2019, Montgomery, AL.



6. **Garza KB.** Heart Health . . . Back to the Future. Invited presentation at the Alabama State Obesity Task Force Quarterly Meeting, March 1, 2019, Opelika, AL.
7. **Garza KB.** Heart Health . . . Back to the Future. Work in Progress presentation at University of Alabama Birmingham Center for Outcomes and Effectiveness Research and Education, January 31, 2019, Birmingham, AL.
8. **Garza KB,** Chiney M, Vaillancourt R, Poston P, Gannett P, Johnson L. Is Pharmaceutical Sciences Right for Me? Six Degrees of Separation. A panel discussion at the Society for Advancement of Chicanos/Hispanics and Native Americans in Science Annual Conference, October 12, 2018, San Antonio, TX.
9. **Garza KB.** Incorporating behavioral economics for health behavior change into patient-centered care. Workshop delivered to Cardiac Rehabilitation Program Staff at East Alabama Medical Center, August 30, 2018, Opelika, AL.
10. **Garza, KB.** Building a multidisciplinary, multi-institutional research working group. Invited as a round table speaker at the American Pharmacists Association – Academy of Pharmaceutical Research and Science Roundtable Breakfast at the APhA Annual Meeting and Exposition, March 17, 2018, Nashville, TN.
11. **Garza, KB.** P4P4P: What is it and how can it improve the quality of healthcare? Presentation to the Auburn University Student Chapter of the Academy of Managed Care Pharmacy, April 14, 2017, Auburn, AL.
12. **Garza KB** on behalf of the Auburn University Obesity Working Group. Bridging interdisciplinary research and communities to address the obesity epidemic in Alabama. Invited presentation at the Alabama Obesity Task Force Quarterly Meeting, February 19, 2017, Montgomery, AL.
13. **Garza KB.** Applying Behavioral Economics to Interventions for Health Behavior Change. Presentation to the University of Houston Department of Pharmaceutical Outcomes and Policy Graduate Seminar, October 11, 2016, via videoconference to Houston, TX.
14. **Garza KB.** Owensby JK. Incorporating Behavioral Economics for Health Behavior Change into the Pharmacy Curriculum. Social and Administrative Sciences Section “Emerging Topics in the Social and Administrative Sciences: Roundtable Discussions,” at the American Association of Colleges of Pharmacy Annual Meeting, July 26, 2016, Anaheim, CA.
15. **Garza KB.** Applying Behavioral Economics to Interventions for Health Behavior Change. Skills Development Mini-Course at the Southern Pharmacy Administration Conference, June 25, 2016, Oxford, MS.
16. **Garza KB.** Behavioral Economics in Healthcare. Topic discussion delivered to the Auburn University Pharmaceutical Care Center pharmacy residents, November 16, 2015, Auburn, AL.
17. **Garza KB.** Research in behaviors to prevent heart disease and obesity. Presentation delivered to the Auburn University APhA-ASP Student Chapter, February 6, 2015, Auburn, AL.
18. **Garza KB.** Behavioral economics: application to health behavior change. Presentation delivered to Dr. Claire Zizza’s undergraduate course in nutrition education at Auburn University, September 29, 2014, Auburn, AL.
19. **Garza KB.** Delay discounting and preventive health behaviors. Presentation delivered to Dr. Joseph Buckhalt’s graduate seminar in counseling psychology at Auburn University, March 5, 2014, Auburn, AL.
20. **Blake KB,** Shankar A, Madhavan SS, Ducatman A. Association among cardiometabolic risk factor clustering, weight status and cardiovascular disease in an Appalachian population. Oral presentation at the West Virginia University E.J. Van Liere Memorial Research Convocation and Research Day, April 20, 2010, Morgantown, WV.

21. **Blake KB**, Harris CV, Bradlyn AS, Moore, LC, Abildso L, Coffman J, Purkey M, Chapman D, Kennedy K, Blower K, O'Hara Tompkins N. Evaluation of the school-based components of the WV Healthy Lifestyles Act: physical education/ physical activity findings – Year 1. Keynote Presentation at the West Virginia Health and Physical Education Leadership Academy, March 27, 2009, Shepherdstown, WV.

**GRADUATE STUDENT SUPERVISION AS MAJOR ADVISOR**

- 2018-present Brandy Davis, PharmD, PhD Student
- 2016-2019 Natalie Hohmann, PharmD, PhD Candidate  
Dissertation Title: Incorporating Patient Input into Value-based Community Fall Prevention for Older Adults: Evaluating Patient Preferences and Willingness to Pay  
First Position after Graduation: Assistant Professor of Pharmacy Practice, Auburn University Harrison School of Pharmacy
- 2016-2018 Heba Aref, MS  
Thesis Title: Comparative Effectiveness of Two Educational Health Mass Media Messages Different in Format  
First Position after Graduation: Graduate Research Assistant, University of Alberta Faculty of Pharmacy and Pharmaceutical Sciences
- 2013-2015 Thanasak Lertpichitkul, MS  
Thesis Title: Analyzing the Association between Impulsivity, Diabetes, Eating Behavior, Physical Activity Behavior and Medication Adherence  
First Position after Graduation: Pharmacist Practitioner Level, Thai Food and Drug Administration
- 2012-2017 Justin Owensby, PharmD, PhD  
Dissertation Title: Leveraging Behavioral Economics-Based Interventions to Improve Medication Adherence  
First Position after Graduation: Post-Doctoral Fellow, University of Alabama at Birmingham Division of Rheumatology

**GRADUATE STUDENT SUPERVISION AS COMMITTEE MEMBER**

- 2020-present Bidur Banjara, PhD Student  
Role: Advisory Committee Member
- 2019-present Yi Zhao, PhD Student  
Role: Advisory Committee Member
- 2019-present Cassidi McDaniel, PhD Student  
Role: Advisory Committee Member
- 2019-present Kameron Suire, PhD Student  
Role: Dissertation Committee Member
- 2018-present Nabin Poudel, PhD Student  
Role: Advisory Committee Member
- 2018 Md. Motiur Rahman, PhD  
Role: Dissertation Committee Member
- 2017-2019 Lindsey Hohmann, PharmD, PhD Candidate  
Role: Dissertation Committee Member

## 19 | Kimberly Bosworth Garza, PharmD, MBA, PhD

2017-2019	Nan Huo, PhD Candidate Role: Dissertation Committee Member
2016-2020	Ruth Jeminiwa, PhD Student Role: Dissertation Committee Member
2016-2018	Ning Cheng, PhD Candidate Role: Advisory Committee Member
2013-2016	Joshua Hollingsworth, PharmD, PhD Role: Dissertation Committee Member
2013-2015	Benjamin Teeter, PhD Role: Dissertation Committee Member
2013-2015	Kalyani Sonawane, PhD Role: Dissertation Committee Member
2013-2015	Gladys Ekong, PhD Role: Advisory Committee Member
2013-2014	Kerri Carr, PhD Student Role: Advisory Committee Member
2012-2013	David Elmer, PhD Role: Dissertation Committee Member
2011-2012	Meng Ding, MS Role: Thesis Committee Member
2011-2012	Saranrat Wittayanukorn, MS Role: Thesis Committee Member

### **EDITORIAL ACTIVITIES AS PEER REVIEWER**

2020-present	Eating Behaviors
2019-present	Translational Behavioral Medicine
2019-present	Journal of Applied Health Economics
2018-present	Behavioral Sciences
2018-present	American Journal of Pharmaceutical Education
2017-present	Journal of Cardiopulmonary Rehabilitation and Prevention
2017-present	Nutrients
2016-present	Appetite
2016-present	Journal of Pharmaceutical and Health Services Research
2016-present	Pharmacoepidemiology and Drug Safety
2016-present	Currents in Pharmacy Teaching and Learning
2015-present	Maternal and Child Health Journal
2014-present	Health Psychology
2013-present	Research in Social and Administrative Pharmacy
2012-present	Journal of the American Pharmacists Association
2011-present	Health Education and Behavior
2011-present	American Journal of Managed Care
1999-present	Annals of Pharmacotherapy

**LEADERSHIP ROLES**

2020-2021	American Association of Colleges of Pharmacy Research and Graduate Affairs Committee Chair
2019-present	Harrison School of Pharmacy Learning Experience Coordinator for P1 Fall Longitudinal
2019-present	American Association of Colleges of Pharmacy Graduate Education SIG Chair
2018-2019	American Association of Colleges of Pharmacy Graduate Education SIG Chair Elect
2017-present	Harrison School of Pharmacy Department of Health Outcomes Research and Policy Graduate Program Officer
2017-present	Department of Health Outcomes Research and Policy representative to Faculty Senate
2017-2019	American Association of Colleges of Pharmacy Social and Administrative Sciences Section Graduate Programs Committee Chair
2017-2018	American Association of Colleges of Pharmacy Graduate Education SIG Planning and Outreach Committee Chair
2016-2018	Auburn University Food Systems Institute Obesity Working Group Leader
2013-2014	American Association of Colleges of Pharmacy Auburn University Harrison School of Pharmacy Faculty Delegate
2011-2014	Harrison School of Pharmacy Department of Health Outcomes Research and Policy Graduate Program Officer
2009	West Virginia University Health Sciences Center Student Advisory Board Vice-Chair
2008-2009	West Virginia University Student Chapter of the International Society for Pharmacoeconomics and Outcomes Research President
2007-2008	West Virginia University Student Chapter of the International Society for Pharmacoeconomics and Outcomes Research Vice-president

**HARRISON SCHOOL OF PHARMACY COMMITTEES/ROLES**

2018-present	Professional Education Committee (PEC)
2018-2019	ACPE Self-Study Team 6 Reader
2017-present	Learning Progression Team for Communication
2017-present	Graduate Programs Committee
2017	Health Outcomes Research and Policy Department Head Search Committee
2017	Faculty Awards Committee
2016-present	Learning Community 1
2015-2019	Faculty Advisor for the Harrison School of Pharmacy Student Chapter of the Academy of Managed Care Pharmacy
2015-2017	Assessment Committee
2015	Professional Education Subcommittee IV (Postgraduate Education)
2017-2018	PharmD-PhD Steering Committee
2014	PharmD-PhD Steering Committee
2012-2013	Pharmacy Practice IPPE Faculty Search Committee
2012-2013	Dean's Budget Advisory Committee
2011-2017	Faculty Advisor for the Auburn University Student Chapter of the International Society for Pharmacoeconomics and Outcomes Research
2011-2014	Office of Teaching, Learning, and Assessment Advisory Committee
2011-2014	Graduate Programs Committee

**AUBURN UNIVERSITY COMMITTEES/ROLES**

2017	Completed Auburn University Assessment Certificate Program
2015	Assessment Quality Working Group Member; participated in the development of the University's Quality of Assessment Rubric

**COMMITTEES/ROLES EXTERNAL TO AUBURN UNIVERSITY****American Association of Colleges of Pharmacy (AACP):**

2017-present	AACP Auburn University Harrison School of Pharmacy Brand Ambassador (2017-present)
2015-2017	AACP Graduate Education SIG Outreach Committee
2015-2016	AACP Graduate Education SIG Scholarship Committee
2011-present	AACP Social and Administrative Sciences Section Graduate Program Committee
2007-2008	AACP Graduate Student Programming Committee

Alabama Obesity Task Force (AOTF):

2018-present AOTF State Physical Activity Plan Writing Group  
2015-2019 AOTF Community Committee Member  
2011-2013 AOTF Data Committee Member

Other:

2016-2019 Journal of the American Pharmacists Association, Editorial Advisory Board member  
2010 West Virginia University Health Sciences Center Strategic Planning Committee Research Working Group  
2009-2010 West Virginia University School of Pharmacy Self-Study Steering Committee  
2008-2009 West Virginia University School of Pharmacy Graduate Research Advisory Committee  
2008-2009 International Society for Pharmacoeconomics and Outcomes Research Student Network Education Committee  
2007-2010 West Virginia University Health Sciences Center Student Advisory Board Representative

**PROFESSIONAL AFFILIATIONS**

International Society for Pharmacoeconomics and Outcomes Research  
American Association of Colleges of Pharmacy  
Society for Medical Decision Making  
American Pharmacists Association  
Society of Behavioral Medicine  
American Association of Cardiovascular and Pulmonary Rehabilitation  
American Heart Association