

# Brandy Robyn Davis, Pharm.D.

Auburn University Harrison College of Pharmacy  
Health Outcomes Research and Policy  
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## OVERVIEW

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- Research interests:
  - Mental health with an emphasis in health disparities in rural settings
  - Improving mental health outcomes in children and adolescents
  - Increasing access to mental health care in rural settings
  - Addressing and improving health disparities
  - Researching ways pharmacists can increase their impact

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## EDUCATION

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**Auburn University Harrison College of Pharmacy, Auburn, AL**  
**Health Outcomes Research and Policy (HORP)**

PhD Candidate: **GPA - 3.8**

Expected graduation: August 2023

**Auburn University Harrison College of Pharmacy, Auburn, AL**

Doctor of Pharmacy

August 2013- May 2017

**Auburn University, Auburn, AL**

Pre-pharmacy Curriculum

Major: Pre-pharmacy concentration

August 2008- May 2013

**Enterprise State Community College, Enterprise, AL**

Associates of Art

August 2006- July 2008

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## PROFESSIONAL WORK EXPERIENCE

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### ADJUNCT PHARMACY LAW INSTRUCTOR

Spring 2021, Spring 2022

Auburn University Harrison College of Pharmacy, Auburn, AL

- Organized content, presented material, and created test questions for federal and state level pharmacy law course.

### GRADUATE RESEARCH ASSISTANT

August 2022-current

Auburn University Harrison College of Pharmacy, Auburn, AL

Preceptor: Kimberly Garza, MBA, PharmD, PhD

- Managed consenting and screening for VR empathy project looking at the change in empathy for pharmacy students using a VR activity.

### GRADUATE RESEARCH ASSISTANT

August 2020-2021

Auburn University Harrison College of Pharmacy, Auburn, AL

Preceptor: Natalie Hohmann, PharmD, PhD

- Worked on survey development and analysis for a project determining psychosocial factors affecting genetic testing decisions in cancer.

### CENTER FOR CLINICAL TRANSLATIONAL RESEARCH (CCTS) TL1 FELLOW

July 2019-June 2020

University of Alabama at Birmingham (UAB) and Auburn University

Mentor: Kimberly B. Garza, MBA, PharmD, PhD

- Stipend received for 20 hours a week of work on personal research. Research involved qualitative research to gain an understanding of barriers and solutions rural adolescents face in obtaining access to mental health treatment.

### GRADUATE TEACHING ASSISTANT

August 2017-2019

Auburn University Harrison College of Pharmacy, Auburn, AL

Preceptor: Channing Ford, PhD

- Reviewed and developed cases for Objective Structured Clinical Examinations (OSCEs). Created rubrics and trained actors for OSCEs. Graded OSCE stations in a systematic and standardized way. Responsible for data management by entering objectives, competencies, grades, into Examsoft.

### PHARMACY INTERN

July 2016-March 2018

Health Information Designs, Auburn, AL

Manager: Scott Donald, PharmD

- Conducted retrospective drug utilization reviews for Medicaid patients and reviewed prior authorization requests through third parties to ensure quality control on approvals and denials

**PHARMACOKINETICS TEST GRADER**

**August 2016-2017**

**Auburn University Harrison College of Pharmacy, Auburn, AL**

Preceptor: Susie Thomas, PharmD, BCPS

- Assisted with grading pharmacokinetics exams by making sure assigned exams are graded in a timely manner along with performing calculations for individual exams to make sure students have correct answers.

**RESEARCH ASSISTANT**

**June 2016-September 2016**

**Auburn University Harrison College of Pharmacy, Auburn, AL**

Advisor: Richard Hansen, PhD

- Assisted with analyzing data; summarizing results, discussion and introduction sections; performed literature reviews; and prepared articles and posters for presentations.

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**GRANTS and AWARDS**

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| 2021-2023        | AFPE Pre-Doctoral Fellowship in Pharmaceutical Science, American Foundation for Pharmaceutical Education |
| 2020-2021        | AFPE Pre-Doctoral Fellowship in Pharmaceutical Science, American Foundation for Pharmaceutical Education |
| 2019, 2020, 2022 | Dean’s Graduate Travel Award, Auburn University  |
| 2019-2020        | UAB Center for Clinical and Translational Science Pre-Doctoral Research Training Program (TL1)           |
| 2019             | American Association of Colleges of Pharmacy 2019 Walmart Scholars Award                                 |

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**PEER-REVIEWED PUBLICATIONS**

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**Davis B, McDaniel CC, Wang CH, Garza KB. Mental Health and Psychotropic Stigma Among Student Pharmacists. Front Public Health. 2022 Mar 28;10:818034. doi: 10.3389/fpubh.2022.818034. PMID: 35419335; PMCID: PMC8995784**

Aref HAT, Wright BM, **Davis BR**, Fowlin JM. High-level curricular integration in pharmacy schools: A systematic literature review. *Curr Pharm Teach Learn* [Internet]. 2021 Dec;13(12):1724–34. Available from: <http://dx.doi.org/10.1016/j.cptl.2021.09.046>

**Davis B**, Qian J, Ngorsuraches S, Jeminiwa R, Garza KB. The clinical impact of pharmacist services on mental health collaborative teams: A systematic review. *J Am Pharm Assoc*. 2020;60(5):S44-S53. doi:10.1016/j.japh.2020.05.006

Hansen RA, Williamson M, Stevenson L, **Davis BR**, Evans RL. Disseminating Comparative Effectiveness Research Through Community-based Experiential Learning. *American Journal of Pharmaceutical Education*. 2017;81(1):9. doi:10.5688/ajpe8119.

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## **PRESENTATIONS**

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### INVITED

**Davis BR**, Masahmha C, Rabionet S. **“How to Get the Most Out of Mentoring: Tips for Grad Students and New Faculty.”** Oral. Joint webinar hosted by AACP and APhA. Presented February 3, 2020.

**Davis BR**, Hohmann N. **“Cross Cultural Leadership and Development (CCLD) presentation.”** Auburn University College of Pharmacy. Auburn, AL. Seminar. November 2019. Seminar for drug discovery and health outcomes PhD students.

### CONTRIBUTED

**Davis BR**, Garza KB, Westrick S, Chou E. Understanding barriers and solutions towards access to mental health among rural adolescents. Auburn Student Symposium; March 29-April 2, 2021; Auburn University.

**Davis BR**, Fowlin J, Wright B, Aref H. Understanding pharmacy schools’ experiences with the highest levels of curricular integration: A mixed methods study. Virtual Pharmacy Education 2020 of the American Association of Colleges of Pharmacy (AACP); July 13- July 31, 2020.

**Davis BR**, McDaniel CC, Gray WN, Garza KB. Psychotropic Stigma Among Pharmacy Students. Poster presented at: Virtual Pharmacy Education 2020 of the American Association of Colleges of Pharmacy (AACP); July 13- July 31, 2020.

**Davis BR, Garza KB, Westrick S, Chou E.** Understanding barriers and solutions towards access to mental health among rural adolescents. Translational Science 2020... Virtually of the Association for Clinical and Translational Science (ACTS); April 2020; Washington DC.

**Davis BR, Garza KB.** What Are The Perceptions Of Pharmacists Collaborating On Mental Healthcare Teams? A Systematic Review. 20th Annual Meeting of the American Association of Colleges of Pharmacy (AACP), Chicago, Illinois, July 2019. American Journal of Pharmaceutical Education. Poster.

**Davis BR, Qian J, Garza KB, Ngorsuraches S, Jeminiwa R.** What Are The Effects Of Pharmacists In Mental Health Collaboration Teams? A Systematic Review. International Society of Pharmacoeconomics and Outcomes Research (ISPOR) 2019, New Orleans, Louisiana, May 2019. Poster.

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## RESEARCH EXPERIENCE

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### ONGOING RESEARCH

**Training Rural Pharmacists to Implement Depression Screening Services.** July 2019-Current. Mentor: Kimberly B. Garza, PharmD, MBA, PhD. Auburn University - Health Outcomes Research and Policy. – Translational and implementation research training pharmacists on barriers, facilitators, and practical solutions to implementing a depression screening service. Aim 2 (participant recruitment) in progress.

**Using Virtual Reality to Increase Empathy in Student Pharmacists.** August 2022- Current. Mentor: Kimberly B. Garza, Pharmd, MBA, PhD. Auburn University - Health Outcomes Research and Policy. – Student pharmacists were given a low fidelity activity (for arthritis) and a VR activity (for color blindness). They were asked to fill out a questionnaire on empathy both before and after activities. Manuscript development in progress.

**Exploring curricular integration in pharmacy schools.** November 2018-Current. Mentor: Julaine Fowlin, BEd, MEd, PhD. Auburn University - Harrison College of Pharmacy. - Mixed methods research that surveyed and interviewed pharmacists heading school curriculum changes to gain information about curriculum integration in pharmacy schools. Manuscript development in progress.

### COMPLETED RESEARCH

**Safety Reporting of Essure Medical Device: A Qualitative Assessment on the FDA Manufacturer and User Facility Device Experience Database in 2018.** November 2022-January 2023. Retrospective analysis using the FDA MAUDE reports between January 1, 2018 - October 31, 2018. A total of 4,982 eligible reports were analyzed, including seven death reports. Under Review by BJOG: An International Journal of Obstetrics & Gynaecology.

**Activities to Promote Empathy for Patients among Pharmacy Learners: A Scoping Review.** December 2020-January 2023. Scoping review of activities pharmacy schools and other organizations have done to promote and measure empathy with student pharmacists. Reviewed 89 full text articles. Under Review by Currents in Pharmacy Teaching and Learning.

**High-level curricular integration in pharmacy schools: A Systematic literature review.** August 2019 – October 2020. Mentor: Julaine Fowlin, PhD. Auburn University – Pharmacy Practice. Published: PubMed PMID – 34895685. Reviewed literature on organizational threads, pedagogies used, evaluation strategies, and barriers for curricular integration in pharmacy schools.

**Mental Health Stigma in Student Pharmacists.** May 2018-current. Mentor: Kimberly Garza, PharmD, MBA, PhD. Auburn University – Health Outcomes Research and Policy. Published: PubMed PMID – 35419335. Survey conducted in Fall 2019 to assess mental health and psychotropic stigma of student pharmacists.

**What are the effects of using pharmacists in collaborative care programs for mental health treatment? A systematic review.** August 2018-September 2019. Mentor: Jingjing Qian, PhD. Auburn University – Health Outcomes Research and Policy (HORP). Published: PubMed PMID – 32600986. Reviewed literature of the effects pharmacists have in collaborative care programs for the treatment of mental health.

**What are the perceptions of using pharmacists in collaborative care programs for mental health treatment? A systematic review.** November 2018-September 2019. Mentor: Kimberly B. Garza, PharmD., MBA, PhD. Auburn University – Health Outcomes Research and Policy (HORP). Submitted Poster – AJPE. Reviewed literature about perceptions of pharmacists participating in collaborative care programs for treatment of mental health.

**Patient satisfaction towards diabetes self-management education programs.** January 2019-August 2019. Mentor: Jan Kavookjian, PhD. Auburn University - Health Outcomes Research and

Policy (HORP). – Developed, validated, and administered a questionnaire on patients' satisfaction toward diabetes self-management education programs.

**Disseminating Comparative Effectiveness Research Through Community-based Experiential Learning.** June 2016-August 2016. Mentor: Richard Hansen. Auburn University – Health Outcomes Research and Policy. Published: PubMed PMID: 28289299. Looked at comparative effectiveness research using patient care teams led by pharmacy students at Auburn University.

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## LICENSURE AND CERTIFICATIONS

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| <b>Introduction to the Psychology of Decision Making Certificate</b><br>Society for Medical Decision Making (SMDM) certificate of completion | <b>October 2019</b> |
| <b>Introduction to Shared Decision Making</b><br>Society for Medical Decision Making (SMDM) certificate of completion                        | <b>October 2019</b> |
| <b>CITI Training</b><br>Protection of Human Subjects Training - Social and Behavioral Emphasis   | <b>2017-Present</b> |
| <b>Medicare Counselor Certification</b><br>State Health Insurance Assistance Program   | <b>2013-Present</b> |
| <b>Certified in Pharmacy-Based Immunization Delivery</b><br>American Pharmacists Association   | <b>2013-Present</b> |
| <b>Basic Life Support for Healthcare Providers (CPR and AED)</b><br>American Heart Association (AHA)   | <b>2013-Present</b> |
| <b>Blood Borne Pathogen Training</b>   | <b>2013-Present</b> |
| <b>HIPPA &amp; Privacy Training</b>  | <b>2013-Present</b> |
| <b>Motivational Interviewing Certification</b>   | <b>2013-Present</b> |

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## OUTREACH AND SERVICE

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2019 **Committee member.** AU College of Pharmacy Cross Cultural Leadership and Development (CCLD) Planning Committee

2018 **Committee member.** Southern Pharmacy Administration Conference (SPAC) planning committee

2017 **Pharmacist Volunteer.** MAO HIV clinic

2016 **Committee member.** All In, All Pink Breast Cancer Awareness Event

2015 Beat Bama Canned Food Drive Fundraiser

2015 **Committee member.** Christmas Toy Drive Fundraiser

2015 **Committee member.** All In, All Pink Breast Cancer Awareness Event

2015 Beat Bama Canned Food Drive Fundraiser

2014 **Committee member.** Christmas Pictures with the Dean – St. Jude’s Fundraiser

2014-2018 Lee County Humane Society Foster Volunteer

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**PROFESSIONAL ACTIVITIES**

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2019 International Society for Pharmacoeconomic and Outcomes Research (ISPOR) Annual Meeting

2019 American Association of Colleges of Pharmacy (AACP) Annual Meeting

2016 ASHP Midyear Clinical Meeting

2015 Alabama Society of Health-System Pharmacists’ Residency Showcase

2015 Faculty Retreat

2015 Black History Lecture: Phyllis Gosa ’76 – first African-American female graduate of Harrison College of Pharmacy

2019-present Society of Behavior Medicine (SBMS) member

2018-present AACP member

2014-present American Pharmacists Association

2013-Present Phi Delta Chi Fraternity. (Class Treasurer:2015)

2012-present Alabama Pharmacists Association (APA). (Legislative Day:2013-2015)

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**References available upon request.**