Hanxi (Molly) Zhang

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EDUCATION

Health Outcomes Division, College of Pharmacy, **University of Texas at Austin**, Austin, Texas
Ph.D. in Health Outcomes   May 2022
M.S. in Health Outcomes   May 2020
Co-supervisors: Jamie C. Barner, Ph.D. and Leticia R. Moczygemba, Pharm.D., Ph.D.

School of Pharmacy, **Fudan University**, Shanghai, China   Jun 2017
B.S. in Pharmaceutical Sciences

PROFESSIONAL EXPERIENCE

Postdoctoral Researcher, University of Pennsylvania, School of Medicine
Philadelphia, Pennsylvania   Jun 2022–

Graduate Analyst, Sendero Health Plans
Austin, Texas   Nov 2021–May 2022
- Developed a dashboard monitoring health care service utilization using Tableau, SQL, and SAS

Graduate Research Assistant, University of Texas at Austin, College of Pharmacy, Texas Center for Health Outcomes Research & Education (TxCORE)
Austin, Texas   Jun 2020, May–Nov 2021
- Assisted with creating reports on the budget impacts of pipeline specialty drugs for payers

Graduate Research Assistant, University of Texas at Austin, College of Pharmacy
Austin, Texas   Jun 2021
- Assisted with generating reports assessing medication therapy management and diabetes self-management education services training in Texas Colleges/Schools of Pharmacy

Graduate Teaching Assistant, University of Texas at Austin, College of Pharmacy
Austin, Texas   Fall & Spring 2017–2020, Spring 2021
- Personnel Management and Patient Behavior Laboratory, Basic Intravenous Admixtures Laboratory, and Pharmaceutics Laboratory

Graduate Intern, Global Health Outcomes Research, Biogen
Virtual   Jul–Dec 2020
- Performed global real-world data mapping and fit-for-purpose evaluations for Alzheimer's disease research
- Performed costing exercise based on the reference costs published by the UK National Health Service
- Created a user-friendly interface for a large database repository to facilitate efficient database identification

Undergraduate Intern, Boehringer Ingelheim Shanghai Pharmaceuticals Co., Ltd.
Shanghai, China   Jul–Aug 2016
- Assisted with preparing quality assurance documentation to ensure compliance with the Good Manufacturing Practice regulation

Undergraduate Intern, Shanghai Jiaofu Biomed Illustrations
Shanghai, China   Mar 2016–May 2016
- Conducted systematic literature search, study screening, and data extraction for a network meta-analysis of efficacy of migraine medications under supervision

AWARDS & HONORS

2022	**Outstanding Graduate Student Award**
	Texas Center for Health Outcomes Research & Education (TxCORE)
2022	**Professional Development Award**
	The University of Texas at Austin Graduate School
2021&2022	**Pharmacy Graduate Students Association Travel Scholarship**
	The University of Texas at Austin
2021	**Predoctoral Fellowship in Health Outcomes Research**
	Pharmaceutical Research and Manufacturers of America (PhRMA) Foundation
2021	**Pharmacy Administration Endowed Scholarship**
	The University of Texas at Austin
2021	**College of Pharmacy's Nominee, UT Outstanding Master's Thesis Award**
	The University of Texas at Austin
2020	**College of Pharmacy Endowed Fellowship**
	The University of Texas at Austin

MANUSCRIPTS

1. **Zhang H**, Barner JC, Moczygemba LR, Rascati KL, Park C, Kodali D. Neoadjuvant chemotherapy use trends among older women with breast cancer: 2010–2017. [published online ahead of print, 2022 Apr 21]. *Breast Cancer Res Treat*. 2022. doi:10.1007/s10549-022-06604-5

2. **Zhang H**, Barner JC, Moczygemba LR, Rascati KL. Assessment of basal insulin adherence using two methodologies among Texas Medicaid enrollees with type 2 diabetes. *Journal of Managed Care & Specialty Pharmacy*. 2020;26(11):1434-1444. doi:10.18553/jmcp.2020.26.11.1434

3. Hong L, **Zhang H**, Ye H. Enlightenment of practical training system for pharmacy students of some developed countries to China. *Chinese Pharmaceutical Affairs*. 2018; 32(02): 190-194.

CONFERENCE PRESENTATIONS

1. **Zhang H**, Barner JC, Moczygemba LR, Rascati K, Park C, Kodali D. 2010–2017 Trends of Neoadjuvant Chemotherapy Use Among Older Women with Breast Cancer: A SEER-Medicare Analysis. International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Annual International Meeting, Washington, DC, May 15-18, 2022. (Poster)

2. Chen S, **Zhang H**, Zhang S, Barner JC. Antipsychotic Adherence and Persistence Among Patients with Schizophrenia Receiving Long-Acting Injectables Versus Oral Formulations: A Systematic Review. ISPOR Annual International Meeting, Washington, DC, May 15-18, 2022. (Poster)

3. **Zhang H**, Zhang S, Chen S, Barner JC, Moczygemba LR. Patient-Provider Cost Discussions and out-of-Pocket Costs Among Cancer Survivors with Varying Levels of Cancer-Related Financial Hardships. ISPOR Annual International Meeting, Virtual, May 17-20, 2021. (Podium)

4. Zhang S, **Zhang H**, Chen S, Rascati K. Assessment of Healthcare Utilization and Costs in Patients with Hepatic Encephalopathy (HE). ISPOR Annual International Meeting, Virtual, May 17-20, 2021. (Poster)

5. Zhang S, **Zhang H**, Rascati K. Assessment of Adherence and Healthcare Utilization for Patients with Hepatic encephalopathy (HE). Academy of Managed Care Pharmacy (AMCP) Annual Meeting, Virtual, April 13-16, 2021. (Podium; Platinum Award)

6. **Zhang H**, Barner JC, Moczygemba LR, Rascati KL. Measuring insulin adherence using adjusted medication possession ratio: An examination of the methodology. ISPOR Annual International Meeting, Virtual, May 16-20, 2020. (Poster)

7. **Zhang H**, Barner JC, Moczygemba LR, Rascati KL. Comparison of methods to assess basal insulin adherence among Texas Medicaid enrollees with type 2 diabetes. American Pharmacists Association (APhA) Annual Meeting and Exposition, Virtual, March 20-23, 2020. (Poster)

8. Xue L, **Zhang H**, Yuan M, Liang H. Impact of WeChat use among cancer patients' informal caregivers: An exploratory intervention study in China. Forty-seventh Southeast Decision Sciences Institute (SEDSI) annual meeting, Charleston, SC, February 22-24, 2017.

RESEARCH EXPERIENCE

University of Texas at Austin, Austin, Texas   Sep 2017–May 2022

- **Doctoral dissertation: Comparison of neoadjuvant and adjuvant chemotherapy**
  - To compare neoadjuvant versus adjuvant chemotherapy among older women with breast cancer in survival, health care utilization, and costs, using the Surveillance, Epidemiology, and End results (SEER)–Medicare data

- **Master's thesis: Medication adherence among type 2 diabetes patients enrolled in Texas Medicaid using basal insulin**
  - Compared adherence by insulin type and examined factors associated with adherence in Texas Medicaid
  - Compared two measures of insulin adherence and discussed methodological considerations

- **Perceived financial hardships of patients with cancer and the effect of patient-provider cost discussion on out-of-pocket spending**
  - Using the nationally representative Medical Expenditure Panel Survey (MEPS) data, showed that patient-provider cost-discussion is associated with reduced out-of-pocket costs, independent of the financial hardship intensity perceived by the patients with cancer

- **The impact of continuous glucose monitoring on patient-reported outcomes in pediatric patients with diabetes**
  - Systematically reviewed the impact of continuous glucose monitoring on outcomes such as quality of life (QoL), fear of hypoglycemia, and treatment satisfaction

- **The Impact of colon cancer on spouses' employment status**
  - Quantified the change in probability of employment attributable to colon cancer for spouses of patients using the MEPS data and examined if the impact differed by gender

- **Effect of biologics on QoL in patients with inflammatory bowel disease**
  - Conducted a meta-analysis employing both fixed- and mixed-effects models using R

Fudan University, Shanghai, China   Sep 2015–Jun 2016

- **Impact of patient support delivered via a social media application among cancer patients' informal caregivers**
  - Coordinated a 10-week online intervention for 20 caregivers that included patient education, physician counseling, and peer support
  - Conducted 2 rounds of online interviews to understand social media use patterns and their impact

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PROFESSIONAL SKILLS

SAS, R, SQL, Tableau, Power BI

REVIEWER EXPERIENCE

Journal of Managed Care & Specialty Pharmacy
AMCP NEXUS abstracts
ISPOR abstracts

OTHER ACTIVITIES

Graduate student mentor, Health Outcomes Division, Austin, Texas   Aug 2021–May 2022
Advanced Course in Pharmacoeconomic Modeling, Austin, Texas   Jan 2020
Treasurer, UT ISPOR, Austin, Texas   Sep 2020–Aug 2021

PROFESSIONAL MEMBERSHIP

ISPOR   2017–Present