

Ziyan Chen *PhD Student*

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Education:

August 2018 ~ present	PhD in Pharmaceutical Outcomes and Policy <i>University of Florida, USA</i>
August 2016 ~ May 2018	MS in Pharmaceutical Outcomes and Policy <i>University of Florida, USA</i>
August 2014 ~ December 2015	MS in Stem Cell and Regenerative Medicine <i>University of Southern California, USA</i>
September 2010 ~ Jun 2014	BS in Bioscience <i>Sun Yat-sen University, China</i>

Professional Experiences:

Aug 2018-present	Research Assistant, Department of Pharmaceutical Outcomes and Policy, College of Pharmacy, University of Florida
Aug 2019-Dec 2019	Teaching Assistant (Principle of Pharmacoeconomics), Department of Pharmaceutical Outcomes and Policy, College of Pharmacy, University of Florida
Jan 2018-May 2018	Teaching Assistant (Evidence-based Pharmacy), Department of Pharmaceutical Outcomes and Policy, College of Pharmacy, University of Florida

Honour and Awards

Conference/Competition

2018-2019	Graduate School Fellowship	University of Florida
2019	Charlotte Liberty Grad Program Scholarship	University of Florida

Peer-Reviewed Publications

Manuscripts under Review:

1. Diaby V, **Chen Z**, Sanogo V, Nelson D, Xiao H. Healthcare resource use and clinical outcomes in hospitalized patients with hepatic encephalopathy in the US from 2010 to 2015.
2. **Chen Z**, Cheng Y, DeRemer D, Diaby V. Cost-effectiveness of immunotherapy agents for hematologic malignancies: a systematic review.

Manuscript in Development:

1. **Chen Z**, Wu B, Diaby V. Real-world treatment pattern in premenopausal women with HR+/HER2- metastatic breast cancer.

Poster Presentations:

1. **Chen Z**, Xiao H, Diaby V. A value-based pricing study of inotuzumab ozogamicin for B-cell precursor acute lymphoblastic leukemia. International Society for Pharmacoeconomics & Outcomes Research Europe, Barcelona, Spain, November 10-14, 2018.
2. Diaby V, **Chen Z**, Sanogo V, Nelson D, Xiao H. Healthcare resource use and clinical outcomes in hospitalized patients with hepatic encephalopathy in the US from 2010 to 2015. International Society for Pharmacoeconomics & Outcomes Research 2019, New Orleans, US, May 18-22, 2019.
3. Sanogo V, **Chen Z**, Xiao H, Diaby V. Healthcare resource utilization and clinical outcomes in hospitalized patients with Alzheimer's disease and related dementias in the United States: a nationwide retrospective cohort study. International Society for Pharmacoeconomics & Outcomes Research 2019, New Orleans, US, May 18-22, 2019.

Key Research Experiences

1. Project Title: Real-world treatment pattern and adherence to CDK4/6 inhibitors in premenopausal women with HR+/HER2- metastatic breast cancer. Oct 2019-present
Data used: IBM MarketScan Research Database
Role: Proposal writing, Data analyst manuscript writing
2. Project Title: Healthcare resource utilization and clinical outcomes in hospitalized patients with hepatic encephalopathy in the United States from 2010 to 2015 Mar 2019- Nov 2019
Data used: HCUP National Readmission Data
Role: Study Design, Data analyst, Manuscript writing
Method: Generalized linear mixed model, Tweedie regression model, Logistic regression model
3. Project Title: Cost-effectiveness of immunotherapy in hematologic malignancies: A systematic review May 2018- Mar 2019
Role: Literature search, Paper selection, Data synthesis, Manuscript writing
4. Project Title: A value-based pricing study of inotuzumab ozogamicin for B-cell precursor acute lymphoblastic leukemia (B-cell ALL) Jan 2018- May 2018
Role: Literature review, Study design, Data analysis, Manuscript writing
Method: Markov model, Cost-effectiveness analysis, Value-based pricing strategy, Individual patient data (IPD) reconstruction, Kaplan-Meier survival analysis
5. Project Title: Impact of treatment for depression on health related quality of life-mental component summary score (QoL-MCS) among adults with COPD and depression. Sep 2017- Dec 2017
Data used: Medical Expenditure Panel Survey (MEPS).
Role: Proposal writing, Data analyst, Manuscript writing
Method: Logistic Regression, Multiple regression

Service to the Profession/ Leadership

Professional Associations

President of University of Florida Student Chapter for International Society for Pharmacoeconomics and Outcomes Research (ISPOR) *Aug 2019 – present*

Vice President of University of Florida Student Chapter for International Society for Pharmacoeconomics and Outcomes Research (ISPOR) *Aug 2018 – Aug 2019*

Member International Society for Pharmacoepidemiology (ISPE) *Aug 2018 – present*

Key Skills:

- Health care utilization and disease burden
- Comparative effectiveness analysis
- Survival analysis
- Econometrics
- Cost-effectiveness evaluation, Cost minimization analysis
- Data analyst, experienced in working with large databases (e.g. MarketScan, HCUP, MEPS, NHANES)
- Markov model, Decision tree
- Programmer, SAS, Stata, R, SQL
- Epidemiologic research methods (Cohort study, Case-control study)