

# ISPOR 2024

May 5-8, 2024 | Atlanta, Georgia  
Student & Faculty Presentations



Department of  
Pharmaceutical Health  
Outcomes and Policy  

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College of Pharmacy



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## Monday, May 6

### Poster Session 1

Health Care Resource Utilization, Total and out of Pocket Expenditures Among Adults with Rheumatoid Arthritis: Medical Expenditure Panel Survey Study  
Bazzazzadehgan S<sup>1</sup>, **Li J**<sup>2</sup>, Arabshomali A<sup>1</sup>, Huang Y<sup>1</sup>  
<sup>1</sup>Department of Pharmacy Administration, University of Mississippi School of Pharmacy, Oxford, MS, USA  
<sup>2</sup>Pharmaceutical Health Outcomes and Policy, University of Houston College of Pharmacy, Houston, TX, USA

Impact of Telehealth on Health-Related Quality of Life in Depression: A Medical Expenditure Panel Survey Study

**Ganna S, Khalid J, Aparasu RR**

University of Houston, College of Pharmacy, Houston, TX, USA

### Poster Session 2

Adherence Trajectories in Medicaid Drug-Naïve Type 2 Diabetes Patients: A Comparative Study between Initial Combination Therapy and Step-Therapy Approaches

**Fatima B, Majd Z, Abughosh S**

University of Houston, College of Pharmacy, Houston, TX, USA

Buprenorphine Adherence Trajectories, Persistence, and Healthcare Expenditures Among Commercially Insured Patients with Opioid Use Disorder

**Olajumoke O**<sup>1,2</sup>, **Thornton JD**<sup>1,2</sup>

<sup>1</sup>University of Houston, The Prescription Drug Misuse and Education Center, Houston, TX, USA

<sup>2</sup>University of Houston, College of Pharmacy, Houston, TX, USA

Validation of the Sensal Health Smart Dock™ Medication Adherence Device

**Ganna S, Wallace D, Aparasu RR**

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## Tuesday, May 7

### Poster Session 3

Group-Based Trajectory Modeling to Identify Longitudinal Patterns of Adherence to Oral Antidiabetic Medication in Older Adults on Concomitant Triple Therapy (Oral Antidiabetics, Ras Antagonists, Statins)

**Cheruvu SS, Fatima B, Abughosh SM**

College of Pharmacy, University of Houston, Department of Pharmaceutical Health Outcomes and Policy, Houston, TX, USA

Work Productivity Loss among Adults Aged 18–64 Years with Osteoarthritis in the United States: 2016-2020

**Khalid J, Aparasu RR**

University of Houston, College of Pharmacy, Houston, TX, USA

Factors influencing the use of second-generation antipsychotics in patients with autism spectrum disorder

**Daggolu J, Zeng Z, Hua C**

University of Houston, College of Pharmacy, Houston, TX, USA

Self-Reported Pain Severity and Opioid Utilization in Adult Patients with Spine-Related Problems

**Okeke CM, Khalid J, Thornton D, Aparasu RR**

University of Houston, College of Pharmacy, Houston, TX, USA

Evaluation of Machine Learning Approaches in Predicting the Initial Treatment Strategy in Patients with Multiple Sclerosis

**Li J**<sup>1</sup>, Lin Y<sup>2</sup>, **Huang Y**<sup>1</sup>, **Aparasu RR**<sup>1</sup>

<sup>1</sup>University of Houston, College of Pharmacy, Houston, TX, USA

<sup>2</sup>University of Houston, Cullen College of Engineering, Houston, TX, USA

Risk of Venous Thromboembolism with Janus Kinase Inhibitors in Rheumatoid Arthritis: A Systematic Review

Baek J<sup>1</sup>, Huang Y<sup>2</sup>, **Aparasu RR**<sup>1</sup>, **Li J**<sup>1</sup>

<sup>1</sup>University of Houston College of Pharmacy, Houston, TX, USA

<sup>2</sup>Department of Pharmacy Administration, University of Mississippi School of Pharmacy, Oxford, MS, USA

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## Poster Session 4

Cost-Effectiveness Analysis of Nivolumab Versus Docetaxel for the Treatment of Advanced Non-squamous NSCLC Including Pd-L1 Testing in the United States

**Zeng Z, Chen H<sup>1</sup>**, Smith A<sup>2</sup>

<sup>1</sup>University of Houston, College of Pharmacy, Houston, TX, USA

<sup>2</sup>Division of Pharmaceutical Evaluation and Policy, Department of Pharmacy Practice, University of Arkansas for Medical Sciences, Little Rock, AR, USA

Age-Related Trends of Blood Glucose, Hyperglycemia, and Type 2 Diabetes in Youth-Prescribed Second-Generation Antipsychotic Medications

**Zeng Z, Lyu N, Chen H**

University of Houston, College of Pharmacy, Houston, TX, USA

Impact of Mandated Use of the Texas Prescription Monitoring Program on Carisoprodol Dispensing in Texas

**Zeng Z, Temedie-Asogwa T, Olateju O, Varisco T, Thornton JD**

University of Houston, College of Pharmacy, Houston, TX, USA

Visual Impairment and its Impact on Health-Related Quality of Life in Adults with Glaucoma: Analysis of National Survey Data

**Chi W, Khalid J, Varisco T, Aparasu RR**

University of Houston, College of Pharmacy, Houston, TX, USA

'It Is Not in Stock': Identifying Determinants of Patient Deception in Community Pharmacies

Song J<sup>1,2</sup>, **Chi W<sup>1,3</sup>**, **Sullivan M<sup>3</sup>**, Lake Q<sup>1</sup>, **Varisco TJ<sup>1,3</sup>**

<sup>1</sup>The Prescription Drug Misuse Education and Research Center, College of Pharmacy, University of Houston, Houston, TX

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<sup>3</sup>Department of Pharmaceutical Health Outcomes and Policy, College of Pharmacy, University of Houston, Houston, TX

## Wednesday, May 8

### Poster Session 5

Medication Adherence to Direct Acting Anti-viral Agents among Hepatitis C Virus Infected Patients in the United States

**Khalid J, Li J, Aparasu RR**

University of Houston, College of Pharmacy, Houston, TX, USA

Impact of Real-Time Containment Measures on COVID-19 Pandemic Outcomes in African Countries

**Mgbere O, Temedie-Asogwa T<sup>1</sup>**, Adepaju O<sup>2</sup>, Liaw W<sup>2</sup>, Darkoh C<sup>3</sup>, **Essien EJ<sup>1</sup>**

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<sup>3</sup>University of Texas Health Science Center at Houston, TX, USA

Predictors of Annual Eyewear Expenditures in the United States

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# Ph.D. in Pharmaceutical Health Outcomes and Policy

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