

UNIVERSITY of **HOUSTON**

PHARMACEUTICAL HEALTH OUTCOMES AND POLICY

Student and Faculty Presentations at ISPOR 2022
May 15-18, 2022 • Washington, D.C. & Virtual Meeting



Tuesday, May 10 | On-Demand Podium Session

P76: Comparative Adherence Trajectories across Oral Disease-Modifying Agents in Multiple Sclerosis

Earla JR¹, Hutton GJ², **Aparasu RR¹**

¹University of Houston, College of Pharmacy, Houston, TX, USA, ²Baylor College of Medicine Medical Center, McNair Campus, Houston, TX, USA

Monday, May 16 | Session III Podiums

P20: Risk of Antimuscarinic Initiation with Cholinesterase Inhibitor Use in Patients with Alzheimer's Disease

Chikermane S¹, Holmes HM², Sherer JT¹, **Aparasu RR¹**

¹University of Houston, College of Pharmacy, Houston, TX, USA, ²University of Texas Health Science Center, Houston, TX, USA

Tuesday, May 17 | Session IV Podiums

P23: Machine Learning Approaches to Evaluate Treatment Switching in Patients with Multiple Sclerosis: Analyses of Electronic Medical Records

Li J, Huang Y, Aparasu RR

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

Monday, May 16 | Session I Posters

EPH20: Does a Mother's Previous Experience with COVID-19 Infection Change Her Intention to Vaccinate Her Children

Zakeri M, Li J, Essien EJ, Sansgiry SS

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

EPH32: Perceived Risk of COVID-19 and Its Association with Preparedness and Preventive Practices: A Latent Class Segmentation Analysis

Mgbere O¹, Iloanusi S¹, Yunusa I², Iloanusi NJR³, **Gohil S¹, Essien EJ¹**

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HSD24: Barriers and Facilitators of Reporting Adverse Drug Reaction Among Hospital Pharmacists in Nigeria and USA

Temedie-Asogwa T, Khalid J, Zakeri M, Sansgiry SS

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

HSD13: Factors Associated with Prescribing of Teriflunomide and Dimethyl Fumarate Versus Fingolimod in Multiple Sclerosis

Earla JR¹, Hutton GJ², **Aparasu RR¹**

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McNair Campus, Houston, TX, USA

HSD6: Comparing Change in Medical Expenditure for Type 2 Diabetes Mellitus Patients with High Versus Low Adherence to Treatment Guidelines: A Retrospective Longitudinal Propensity Score-Matched Analysis

Lewing B¹, Zakeri M¹, Contreras J², **Sansgiry SS¹**

¹University of Houston, College of Pharmacy, Houston, TX, USA, ²University of Maryland Baltimore, Baltimore, MD, USA

RWD18: Sex-Based Differences in Risk of Serious Events with Individual Cholinesterase Inhibitors Use in Older Adults with Dementia: A Medicare Study

Masurkar P, Chatterjee S, Sherer JT, Chen H,

Johnson ML, Aparasu RR

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

Session II Posters

EE156: Marginal Health Care Expenditure of Patients with Non-Hodgkin Lymphoma: 2014-2019

Zakeri M, Li J, Sansgiry SS, Aparasu RR

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

EPH69: Cancers Treatment from Their Perspective: A Qualitative Pilot Study Exploring the Knowledge Attitude and Practice of Folk Medicine Practitioners in a Low-and-Middle-Income-Country

Temedie-Asogwa T¹, Ayinde B²

¹University of Houston, College of Pharmacy, Houston, TX, USA, ²University of Benin, Benin City, Edo State, Nigeria

OP3: Adverse Drug Reaction Reporting Issues for Hospital Pharmacists in Pakistan Vs. USA: A Pilot Study

Khalid J, Temedie-Asogwa T, Zakeri M, Sansgiry SS

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

Tuesday, May 17 | Session III Posters

EPH99: Antipsychotic Initiation Among Older Alzheimer's Disease Patients Using Cholinesterase Inhibitors and/or Antimuscarinics

Chikermane S¹, Holmes HM², Sherer JT¹, **Aparasu RR¹**

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HSD80: Evaluation of Methotrexate Based Combinations in Rheumatoid Arthritis Patients: Results from a U.S. Administrative Claims Database

Huang Y¹, Agarwal S², **Chen H¹, Johnson ML¹, Chatterjee S³, Aparasu RR¹**

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USA, ³Boehringer-Ingelheim, Ridgefield, CT, USA

HPR41: Did Affordable Care Act Decrease the Uninsured Rate Among Hispanic Patients Newly Diagnosed with Cancer in Texas?

Zakeri M, Sansgiry SS, Thornton JD

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

MSR32: Data Sampling Methods for Imbalanced Classification: A Random Forest Study for Predicting Treatment Switching in Multiple Sclerosis

Li J, Huang Y, Aparasu RR

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

PCR109: Improving ACEI/ARB Adherence Among Nonadherent Patients Using Motivational Interviewing Intervention

Mohan A¹, Majd Z¹, Johnson ML¹, Essien EJ¹, Barner JC², Serna O³, Gallardo E³, Fleming M⁴, Ordóñez N¹, Holstad M⁵, Abughosh SM¹

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RWD78: Factors Associated with Cumulative Anticholinergic Burden in Older Adults with Dementia

Masurkar P, Aparasu RR

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

Session IV Posters

CO118: Prevalence of Immunotherapy Use and Survival Disparities By Racial Groups in Patients with Non-Small Cell Lung Cancer in Texas

Olateju OA, Zeng Z, Sansgiry SS

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

EE320: Budget Impact Analysis of Implementing a 23-Valent Pneumococcal Polysaccharide Vaccine in the Brazilian National Immunization Program for Adults 60 Years Old

Salgado Riveros B¹, Parellada C², Moreira TNF², Deb A³, Owusu-Edusei K³, Yande S⁴, Chitale R³, Johnson KD³

¹MSD Brazil, Sao Paulo, Brazil, ²MSD Brazil, São Paulo, SP, Brazil, ³Merck & Co., Inc, Kenilworth, NJ, USA, ⁴Merck & Co., Inc, Houston, TX, USA

EPH110: Endocrine Therapy and Risk of Dementia in Patients with Breast Cancer: A Systematic Review

Christensen B, Talwar A, Aparasu RR

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

HSD103: Prescribing Patterns and Predictors of Opioid Prescription Among Outpatients with Osteoarthritis in the United States

Gohil S¹, Deyhim N², Mgbere O¹, Essien EJ¹

¹University of Houston, Houston, TX, USA, ²Houston Methodist Hospital, Houston, TX, USA

PCR113: Depression Fallout from the Pandemic in a Sample of the Middle Eastern and North African (MENA) Community in Houston Texas, USA

Fatima B, Majd Z, Zeidat S, Atrooz F, Alrousan G, Abughosh S, Salim S

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

Wednesday, May 18 | Session V Posters

EPH167: Recursive Partitioning Analysis of COVID-19 Risk and Behavioral Measures in an Urban Setting

Mgbere O¹, Iloanusi S¹, Yunusa I², Iloanusi NJR³, Gohil S¹, Essien EJ¹

¹University of Houston, Houston, TX, USA, ²University of South Carolina, Columbia, SC, USA, ³General Hospital, Onitsha, Anambra State, Nigeria

EPH163: Risk of Memantine Initiation with Use of Antimuscarinics and/or Cholinesterase Inhibitors in Older Adults with Alzheimer's Disease

Chikermane S¹, Sherer JT¹, Holmes HM², Aparasu RR¹

¹University of Houston, College of Pharmacy, Houston, TX, USA, ²University of Texas Health Science Center, Houston, TX, USA

HSD133: Factors Influencing Selection of First Add-on Disease-Modifying Therapy for Rheumatoid Arthritis after Starting Methotrexate

Huang Y¹, Agarwal S², Chen H¹, Johnson ML¹, Chatterjee S³, Aparasu RR¹

¹University of Houston, College of Pharmacy, Houston, TX, USA, ²Baylor College of Medicine, Houston, TX, USA, ³Boehringer-Ingelheim, Ridgefield, CT, USA

MSR65: Comparison of Machine Learning Approach with Traditional Method to Predict Risk of Serious Events Associated with Individual Cholinesterase Inhibitors Use in Older Adults with Dementia

Masurkar P, Chatterjee S, Sherer JT, Chen H, Johnson ML, Aparasu RR

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

PCR162: Health-Related Quality of Life of Patients with Multiple Sclerosis: Analysis of Ten Years of National Data

Li J, Zakeri M, Aparasu RR

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Ph.D. in Pharmaceutical Health Outcomes and Policy

Real-Time Curriculum, Real-Life Experiences, Real-World Evidence

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