

ISPOR 2024 POSTER/PODIUM PRESENTATION SCHEDULE

Poster Presentation	Summary	Date and Time
Enhancing Oncology Model: Discordance Among Patients Using Intravenous Iron in the US	This study aimed to evaluate incomplete treatment among intravenous iron products in patients with iron-deficiency anemia and Enhancing Oncology Model tumor types using Komodo Health's claims database.	Monday, May 6 10:30 a.m-1:30 p.m.
Poster Code: RWD20		
Suresh Ratnam		
Texas Oncology—McAllen		
Michael Polson (Presenting Author) Pharmacosmos Therapeutics Inc.		
First-Generation Antipsychotic Shortages in the United States: Analysis of Switching and Utilization Patterns	Treatment of schizophrenia and other psychotic disorders requires an individualized approach, often requiring use of antipsychotic medication to treat symptoms and prevent functional decline. Shortages and manufacturer	Monday, May 6 10:30 a.m1:30 p.m.
Poster Code: HSD4 Ashley Tabah (Presenting Author), Clayton D. English University of Washington	discontinuations of antipsychotic medications place patients in vulnerable scenarios if medication cannot be accessed, leaving prescribers to alter therapy without guarantee of a sustained response to the new treatment. Our observational analysis aims to describe antipsychotic switches and utilization after a drug shortage or discontinuation is declared.	
Real-World Treatment Patterns in Adults With Pemphigus Foliaceus in the United States	We evaluated treatment patterns in patients with pemphigus foliaceus in the U.S. using Komodo Health's claims database.	Monday, May 6 10:30 a.m1:30 p.m.
Poster Code: HSD5		
Cecile Blein (Presenting Author), Francesca Barion, Olga Ostrovskaya, Glenn Phillips Argenx		
Tharun Balaji Suthagar, Vasanth Radhakrishnan, Rucha Kulkarni, Amit Goyal ZS Associates		

Burden of Illness for Adults With Chronic Inflammatory Demyelinating Polyneuropathy in the United States Poster Code: EE18 Cecile Blein (Presenting Author), Clémence Arvin-Berod, Jeffrey Guptill, Deborah Gelinas, Sergio Barrera-Sierra Argenx Hashmath Ulla, Eric Splan, Mai Sato, Amit Goyal	This study aimed to evaluate the cost and healthcare resource utilization burden of adults with chronic inflammatory demyelinating polyneuropathy in the U.S. overall and based on treatment patterns.	Monday, May 6 10:30 a.m1:30 p.m.
ZS Associates		
Comparison of Patient Identification Methodologies in Chronic Inflammatory Demyelinating Polyneuropathy Using United States Administrative Claims Data Poster Code: EPH8 Cecile Blein (Presenting Author), Clémence Arvin-Berod, Deborah Gelinas, Sergio Barrera-Sierra argenx Hashmath Ulla, Charlotte Ward, Mai Sato, Amit Goyal ZS Associates	Complexities of diagnosing chronic inflammatory demyelinating polyneuropathy (CIDP) experienced in clinical practice is also reflected in real-world data. Relying solely on diagnostic codes for patient selection may lead to misrepresentative cohort selection. This study aimed to explore patient identification methods for CIDP in claims data to better align with diagnostic processes in clinical practice.	Monday, May 6 10:30 a.m1:30 p.m.
Characterizing the Prevalence of Metabolic Dysfunction-Associated Steatohepatitis (MASH) Among Adults ≥65 Years of Age in the United States (US) Using Three Real-World Cohorts Poster Code: EPH50 Yestle Kim (Presenting Author), Jesse Fishman Madrigal Pharmaceuticals Hannah Rochon, Christina Qian, Shelagh M. Szabo, Rosie Sun Broadstreet HEOR	Prevalence estimates of MASH (formerly NASH, non-alcoholic steatohepatitis) range from 115-506 cases per 100,000 adults. MASH is considered common among people ≥65 years of age, but the exact prevalence is unknown. This analysis characterized the epidemiology of MASH among older U.S. adults using Medicare 100% fee-for-service claims from Optum's de-identified Clinformatics Data Mart Database and Veradigm's electronic health records linked to Komodo Health's claims database.	Monday, May 6 10:30 a.m1:30 p.m.



Alina Bogdanov, Ni Zeng, Mac Bonafede Veradigm		
Matthew Davis, Dominic Nunag Medicus Economics		
Changes in Neutropenia Outcomes Following Implementation of the Clozapine Risk Evaluation and Mitigation Strategy Update	Clozapine Risk Evaluation and Mitigation Strategy (REMS) was originally introduced in October 2015 by the FDA as a drug safety program to mitigate clozapine-induced neutropenia risk. It was updated in February 2019 to require	Monday, May 6 12:30-1:30 p.m.
Poster Code: EPH16 Jane Huang (Presenting Author), Jana Chang,	prescriber and pharmacy certifications before prescribing or dispensing clozapine. This study examined the impact of the Clozapine REMS update on neutropenia outcomes among clozapine users.	
Ken Taylor, Yuqin Wei Komodo Health	<u>'</u>	
Top 5% finalist for the ISPOR 2024 Research Presentation Awards		
Real-World Clinical Burden of Friedreich	Friedreich ataxia (FA) is a rare, inherited neurodegenerative	Monday, May 6
Ataxia in the United States	progressive disorder that leads to loss of ambulation, multisystem involvement, poor quality of life, and, ultimately,	3:30-6:30 p.m.
Poster Code: RWD46	premature death. This study assessed the real-world clinical	
Hongbo Yang, Su Zhang, Anya Jiang, Qi Hua Analysis Group	burden of FA in the U.S. using Komodo Health claims data.	
Richard Lawson (Presenting Author), Juliana Setyawan, Seemi Khan, Abhishek Bajaj, Robert Jaramillo Reata/Biogen		
David Lynch University of Pennsylvania		
Susan Perlman Ronald Reagan UCLA Medical Center		
Healthcare Resource Utilization of Patients With Short Bowel Syndrome With Intestinal Failure (SBS-IF): A Retrospective Claims Analysis	Short bowel syndrome with intestinal failure is a rare, chronic, debilitating malabsorptive condition often caused by massive resection of the small intestine that leads to lifetime dependence on parenteral support (PS). This study aimed to quantify patients' healthcare resource utilization, frequency	Monday, May 6 3:30-6:30 p.m.
Poster Code: EE147	of disease-related symptoms, comorbidities, and PS-specific complications.	



Ahan Ali, Mark Gallivan, Aishwarya M. Kulkarni, Trinity Life Sciences		
Gail Mitchell (Presenting Author), Jeff Henderson VectivBio AG		
Dejan Micic University of Chicago Medical Center		
Burden of Illness for Adults Living With	Primary immune thrombocytopenia (ITP), a rare autoimmune	Monday, May 6
Primary Chronic Immune Thrombocytopenia in the United States	platelet disorder, presents a multifaceted challenge owing to its diverse treatment approaches. The objective of this study was to assess healthcare resource utilization and cost	3:30-6:30 p.m.
Poster Code: EE133	among adults with primary chronic ITP in the U.S. and any disparities observed based on their treatment strategies.	
Cecile Blein (Presenting Author), Syed Raza, Clémence Arvin-Berod, Mickael Yeakey, Arash Mahajerin argenx		
Dakshinamoorthy Amirthaganesan, Eric Splan, Mai Sato, Amit Goyal ZS Associates		
Real-World Treatment Patterns in Adults With Pemphigus Vulgaris in the United States	To evaluate treatment patterns in patients with pemphigus vulgaris in the U.S. using Komodo Health's claims database.	Monday, May 6 3:30-6:30 p.m.
Poster Code: EPH60		·
Cecile Blein (Presenting Author), Francesca Barion, Olga Ostrovskaya, Glenn Phillips argenx		
Tharun Balaji Suthagar, Vasanth Radhakrishnan, Rucha Kulkarni, Amit Goyal ZS Associates		
Depression Severity Among Pregnant	Poor depression management has been associated with	Monday, May 6
Patients by Antidepressant Use During Pregnancy	adverse pregnancy outcomes, with more severe depression having higher risks. Given the broad exclusion of pregnant patients from clinical trials, limited evidence exists on the	4-5 p.m.
Poster Code: PCR86	efficacy of antidepressant treatments (ADTs) during pregnancy. This study aimed to describe maternal patient	
Yuqin Wei (Presenting Author), Francesca Devine, Lyuba Popadic	characteristics and depression severity among women with depression or anxiety based on whether ADT use was	



Komodo Health	discontinued vs. maintained during pregnancy.	
Enhancing BMI Data Accuracy: A Comparison Of Claims And Electronic Health Records (EHR) Database Poster Code: EPH54 Queeny Ip (Presenting Author), Ahmed Noman, Pam Kumparatana Komodo Health	Obesity is an important indicator of health status and a risk factor for numerous chronic diseases. ICD-10-CM codes found in administrative claims data are often used to assess obesity incidence. This study evaluated the ability to enhance the assessment and tracking of obesity by integrating electronic health record (EHR)-derived BMI data with administrative claims data.	Monday, May 6 4-5 p.m.
Validation of an Algorithm to Identify HR+/HER2- Metastatic Breast Cancer in Claims Data Poster Code: EPH56 Queeny Ip (Presenting Author), Andi Chin, Xiyuan Wu Komodo Health Derek Lyle NeoGenomics	For therapeutic areas without a specific corresponding ICD-10-CM code, identification of patient populations can be challenging in administrative claims databases. This study aimed to validate an existing claims-based algorithm used to identify HR+/HER2- metastatic breast cancer patients, the most common breast cancer subtype.	Monday, May 6 4:00 - 5:00 p.m.
Validating Gestational Age ICD-10 Codes in Claims Data With Physician-Reported Gestational Age on Non-Invasive Prenatal Screening Poster Code: SA14 Claire Miller (Presenting Author), Devika Chawla Myriad Genetics, Inc.	Real-world evidence studies on pregnancy often rely on insurance claims data, yet the accuracy of ICD-10 diagnostic codes for estimating gestational age (GA) remains unclear. Estimating GA is crucial for accurate categorization of pregnancy outcomes such as miscarriage and stillbirth. This study investigated concordance between Z3A diagnostic codes and physician-reported GA using a linked dataset of clinical and insurance claims data.	Tuesday, May 7 10:30 a.m1:30 p.m.



Real-World Treatment Patterns in Adults A retrospective cohort study using Komodo's U.S. claims Tuesday, May 7 With Chronic Inflammatory Demyelinating database was conducted to evaluate treatment patterns in 10:30 a.m.-1:30 p.m. Polyneuropathy in the United States patients with chronic inflammatory demyelinating polyneuropathy. Poster Code: RWD83 Cecile Blein (Presenting Author), Jeffrey Guptill, Sergio Barrera, Deborah Gelinas, Clémence Arvin-Berod, argenx Hashmath Ulla, Eric Splan, Mai Sato, Amit Goyal **ZS Associates** Top 5% finalist for the ISPOR 2024 Research Presentation Awards **Real-World Treatment Patterns in Adults** Diverse treatment strategies can be utilized for patients Tuesday, May 7 **Living With Primary Chronic Immune** living with primary immune thrombocytopenia (ITP), a rare 10:30 a.m.-1:30 p.m. Thrombocytopenia in the United States autoimmune platelet disorder. The objective of this study was to assess common treatment patterns in the chronic Poster Code: EPH110 phase among adults with primary ITP using a Komodo's U.S. claims database. Cecile Blein (Presenting Author), Mickael Yeakey, Clémence Arvin-Berod, Syed Raza, Arash Mahajerin, argenx Hashmath Ulla, Eric Splan, Mai Sato, Amit Goyal **ZS Associates Comparative Analysis of Vaping Use Disorder** Vaping is associated with various medical consequences, Tuesday, May 7 (VUD) and CDC Proxy Codes: A Demographic including e-cigarette or vaping-associated lung injury (EVALI). 12:30-1:30 p.m. **Perspective** In 2019, the CDC introduced coding guidance to proxy EVALI in an attempt to capture and track patients with this rapidly Poster Code: RWD113 evolving disease. Subsequently, an emergency code for vaping use disorder (VUD) was introduced to enhance the Usha Periyanayagam characterization of these injuries. This study aimed to Komodo Health compare and profile the population of patients using the VUD and CDC proxy codes.



Breast Cancer-Related Healthcare Resource Care for breast cancer has varied by race, and Black women Tuesday, May 7 **Utilization and Staging Before and After the** have higher mortality rates than White women. This study 12:30-1:30 p.m. sought to analyze whether the COVID-19 pandemic, which **COVID-19 Pandemic Among White and Black Patients With Newly Diagnosed Breast Cancer** highlighted racial disparities in general healthcare access and outcomes, impacted breast cancer staging and Poster Code: HPR73 healthcare resource utilization, exacerbating inequities in breast cancer care. Francesca Devine (Presenting Author), Christine Kim, Ethan Yung, Lyuba Popadic Komodo Health Limited research has evaluated the prescribing behavior, **Comparing Compliance by Race and Ethnicity** Tuesday, May 7 for Schizophrenia Patients on Oral or adherence and persistence rate of oral antipsychotics and 12:30-1:30 p.m. long-acting injectable antipsychotics for schizophrenia **Long-Acting Injectable Antipsychotics** patients by race/ethnicity. This study analyzed therapies Poster Code: PCR163 prescribed, adherence, and persistence among populations defined by race and ethnicity for these two most common Jack McLean (Presenting Author), Yuqin Wei forms of treatment. Komodo Health **Assessing the Value of Linking Abstracted** Bladder cancer is the sixth most common cancer in the U.S., Tuesday, May 7 **Medical Record Data With Administrative** and 75% to 80% of cases are non-muscle invasive bladder 3:30-6:30 p.m. Claims Data to Study Patients With High-Risk cancer (NMIBC). As the NMIBC treatment landscape evolves, Non-Muscle Invasive Bladder Cancer in the particularly for high-risk (HR) NMIBC, it is necessary to **United States** understand current real-world treatment patterns and their clinical implications among HR NMIBC patients. Poster Code: SA75 This study described the process of linking abstracted medical records data with administrative claims and Rituparna Bhattacharya (Presenting Author), quantified the information added to the study of HR NMIBC Vladimir Turzhitsky, Haojie Li by linking these data sources — all in an effort to overcome Merck & Co., Inc. the challenges of data completeness for capturing healthcare Julia Ward, Alex Perlmutter, Matthew Phelan utilization and long-term outcomes. **Target RWE Healthcare Resource Utilization Following 6** Long-term pharmacotherapy is recommended for treating Tuesday, May 7 **Months of Treatment With** schizophrenia (SZ) and bipolar I disorder (BD-I), but adverse 3:30-6:30 p.m. Olanzapine/Samidorphan: Real-World effects of atypical antipsychotic medications, such as weight **Assessment of Patients With Schizophrenia** gain, contribute to suboptimal treatment adherence. The or Bipolar I Disorder combination of olanzapine and samidorphan (OLZ/SAM) provides the established antipsychotic efficacy of olanzapine Poster Code: RWD194 while mitigating olanzapine-associated weight gain. In real-world settings, treatment with OLZ/SAM may be Alejandro G. Hughes, Noah S. Webb associated with reductions in healthcare resource utilization



Optum, Inc. Hemangi Panchmatia (Presenting Author), Michael J.J. Doane Alkermes, Inc. Rakesh Jain Texas Tech University School of Medicine Andrew J. Cutler SUNY Upstate Medical University	(HCRU). This study examined the impact of initiating treatment with OLZ/SAM on HCRU among patients with SZ or BD-I.	
Validation of Treatment Patterns in Adults With Chronic Inflammatory Demyelinating Polyneuropathy in the United States Using Administrative Claims Datasets Poster Code: RWD124 Cecile Blein (Presenting Author), Jeffrey Guptill, Sergio Barrera, Deborah Gelinas, Clémence Arvin-Berod, argenx Hashmath Ulla, Charlotte Ward, Mai Sato, Amit Goyal ZS Associates	In the U.S., representation of payers (Commercial, Medicaid, Medicare, etc.) can differ across claims databases depending on their data source, potentially impacting real-world estimates such as treatment usage. To evaluate the external validity of treatment pattern results among patients with chronic inflammatory demyelinating polyneuropathy across 2 US. claims datasets — Komodo Health's Healthcare Map and Optum's Market Clarity.	Tuesday, May 7 3:30-6:30 p.m.
Best of Both Worlds: Enhancing Claims Data With Lab Results in Real-World Evidence Generation Poster Code: RWD153 Jane Huang (Presenting Author), Xinshuo Ma, Francesca Devine Komodo Health	Health insurance claims data is the mainstream foundation for real-world evidence generation, but it lacks the clinical details needed to assess and track health outcomes. This study explored integrating administrative claims and lab results data to further contextualize patient health and increase the granularity of outcomes assessments.	Tuesday, May 7 4-5 p.m.
Evaluating Risk of Complications in CAR-T Cell Therapy Among Patients With Acute Lymphocytic Leukemia Poster Code: CO159 Christine Kim (Presenting Author), Raquel Freeman, Anna Druet	CAR-T cell therapy is a potentially life-saving final treatment option for patients with treatment-resistant acute lymphocytic leukemia (ALL). However, this therapy does not come without consequences: Patients who undergo CAR-T are at risk for major health complications. This study integrated administrative claims and lab data to investigate differences in biochemical lab data among patients treated with CAR-T from those treated with standard chemotherapy	Tuesday, May 7 4-5 p.m.



Komodo Health	to identify the risk of complications.	
Characterization of Chronic Kidney Disease Patients by eGFR Status Using Health Insurance Claims Linked to Lab Testing Data Poster Code: RWD146 Reyn Kenyon (Presenting Author), Sara Auran Komodo Health	Linking health insurance (administrative) claims to specialty data sources enables greater contextualization of the patient journey. This study integrated lab and administrative claims data to surface more granular insights into patients with chronic kidney disease (CKD) by stage. The National Kidney Foundation's five stages of CKD (based on estimated glomerular filtration rate status) were observed and the distribution of patients for each stage was reported by gender and race/ethnicity.	Tuesday, May 7 4-5 p.m.
Identifying Prediabetic Patients Using Administrative Claims Linked With Lab Data to Assess Progression to Type 2 Diabetes Poster Code: EPH227 Queeny Ip (Presenting Author), Zoe Wu, Andi Chin, Ngan Pham Komodo Health Rehan Waheed Quest Diagnostics	Prediabetes is currently identified in administrative claims data by one ICD-10-CM diagnosis code, which calls into question the accuracy of properly identifying prediabetes patients. This study sought to compare three approaches to assessing the incidence of prediabetes and its progression: the use of the singular ICD-10-CM code for prediabetes; lab results; and a combination of the two.	Wednesday, May 8 9-10 a.m.
Clinical and Healthcare Resource Burden of Disease in Patients With Lennox-Gastaut Syndrome (LGS): Results From a U.S. Claims Matched-Control Analysis Poster Code: EE484 Mei Lu (Presenting Author), Satish Rao Takeda Xinshuo Ma, Queeny Ip, Ethan Yung, Ahmed Noman, Yuqin Wei Komodo Health	Lennox-Gastaut syndrome, a type of epilepsy, often impacts quality of life and leads to greater healthcare resource utilization (HCRU). This study aimed to assess and characterize clinical outcomes and HCRU burden using seven years (2016-2022) of longitudinal administrative claims data.	Wednesday, May 8 9-10 a.m.
Reductions in Real-World Healthcare Resource Utilization Among United States Hereditary Angioedema (HAE) Patients Following Berotralstat Initiation Poster Code: EE477	This study aimed to evaluate angioedema-related healthcare resource utilization before and after initiation of berotralstat for long-term prophylaxis of hereditary angioedema in U.S. patients	Wednesday, May 8 9-11:30 a.m.



Sean D. MacKnight, François Laliberte, Colleen Spencer Groupe d'analyse Lorena Lopez-Gonzalez (Presenting Author), Sandra Nestler-Parr, Douglas Johnston, Patrick Gillard BioCryst Pharmaceuticals		
Sandra Christiansen University of California–San Diego		
Bruce Zuraw Veterans Administration Healthcare		
Association Between Routine Colorectal Cancer Screening and the Risk of Colorectal Cancer Diagnosed at Advanced Stage and Total Cost of Care Among U.S. Adults Poster Code: HSD109	Colorectal cancer (CRC) screening helps reduce incidence, mortality, and total cost of care by alleviating the proportion of people diagnosed with advanced-stage CRC. This study examined the association between CRC screening and the prevalence of advanced-stage CRC and total cost of care among U.S. adults.	Wednesday, May 8 9-11:30 a.m.
Tiffany Lee (Presenting Author), Angela Inneh, Duy Do, Urvashi Patel Evernorth Research Institute		
Impact of COVID-19 Pandemic on IV Iron (IVI) Cost and Utilization in Commercially Insured Patients With Iron-Deficiency Anemia (IDA)	The goal was to understand the impact of the COVID-19 pandemic on IV iron cost and utilization in commercially insured iron-deficiency anemia patients.	Wednesday, May 8 9-11:30 a.m.
Poster Code: EE486		
Michael Polson (Presenting Author) Magellan Rx Management		
Bradley Winegar American Oncology Network Pharmacy		
Susan Kidd CONE Health		
Characterization of Adult Patients With Primary Chronic Immune Thrombocytopenia Using U.S. Administrative Claims Data	Immune thrombocytopenia (ITP), a rare autoimmune platelet disorder, presents varying unmet needs based on 2 key factors: whether presenting as primary (idiopathic) or secondary (comorbid/underlying conditions); and disease	Wednesday, May 8 9-11:30 a.m.



Poster Code: EPH197 phase (newly diagnosed, persistent, or chronic). The objective of this study was to characterize adults with primary chronic Cecile Blein (Presenting Author), Clémence ITP using Komodo's U.S. claims database. Arvin-Berod, Syed Raza, Mickael Yeakey, Arash Mahajerin argenx Dakshinamoorthy Amirthaganesan, Charlotte Ward, Mai Sato, Amit Goyal **ZS Associates Evaluating Dynamic Treatment Using a Target** For patients with pulmonary arterial hypertension (PAH), Wednesday, May 8 **Trial: the Real-World Effectiveness of Adding** selexipag is often added several months after initiating 10:45 a.m. Oral Selexipag to a Double Oral Therapy for double oral therapy (DOT) with an endothelin receptor the Treatment of Patients With Pulmonary antagonist and phosphodiesterase type 5 inhibitor. To Podium Presentation:-**Arterial Hypertension** appropriately assess the effectiveness of escalation to triple **Healthcare Simulation** oral therapy vs. DOT, it is critical to account for the DOT Modeling in HEOR Poster Code: P60 Theater 2, Exhibit Hall duration prior to selexipag initiation. This study, using a Hall A1, Level 1 target trial design, compared the effectiveness of adding Wenze Tang (Presenting Author), Sumeet selexipag within 3, 6, and 12 months to DOT vs. DOT alone Panjabi for risk of hospitalization and PAH-related disease Janssen/Johnson & Johnson progression. Charles D. Burger **Mayo Clinic** Top 5% finalist for the ISPOR 2024 Research **Presentation Awards**

