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The Global Home for the Science of Real-World Evidence

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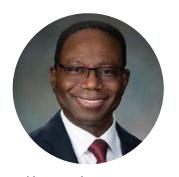
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SECOND PLACE

Máté Szilcz

Use of Cholinesterase Inhibitors and Non-Steroidal Anti-Inflammatory Drugs and the Risk of Peptic Ulcers: A Population-based Self-Controlled Case Series Study

THIRD PLACE

Dana Alsugeir

Risk of Osteoporotic Fractures in Menopausal Women with Common Mental Health Problems Using SSRI/ SNRI Antidepressants: Cohort Study

MOST HIGHLY RATED METHODS ABSTRACT SUBMITTED BY A STUDENT

Saad Abbasi

Sequential Safety Monitoring of Rofecoxib for Cardiovascular Adverse Effects

MOST HIGHLY RATED ABSTRACT SUBMITTED BY A STUDENT IN THE DRUG UTILIZATION RESEARCH CATEGORYY

Katherine Callaway Kim

Impact of the COVID-19 Pandemic on Drug Shortage Incidence in the United States

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Event Icon

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Browse the event information and create a personal schedule by tapping on the star next to presentation titles.



1 PM

2 PM

3 PM

4 PM

5 PM

6 PM

TUESDAY, AUGUST 22

9 AM

10 AM

11 AM

12 PM

8 AM

7 AM

							2 PM - 6 PM	Speaker R	eady Room – 4 PM - 6 PM Registratio Convention Pre-Functio	M on – Hall		
W E D	8 AM	9 AM	10 AM	ST 23	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	P. 25
		actation Roo 8:30 AM - 1 PRE-CONF Introduction Real-World Describe an Pharmacoe Professiona Pharmacog for Pharmac Practical Sk Statistical A to Studies G Principles o Pharmacoe Regulatory Pharmacoe Using Pharm	m - MR505 2:30 PM ERENCE COU In to DUR: The Drug Utilization of Compare - M pidemiologist' I Empowerme enomics & Precoepidemiologistills in Protocol analytic Progra Generating RW f pidemiology -	Conduct of on Studies: MR 106/107 s Toolbox for on t – Argyle 1 cision Medicin jists – MR201 Writing and umming Releva E – MR202 Argyle 2 MR501/502	12:3 Lun You	80 PM - 2 PM ch on r Own	Cancer Phai What You Sh Precision Me Intermediate Approaches Methods an Pragmatic T Pediatric Ph Adapting Ph Studies of th Propensity S Pharmacoel RWE Genera Developmer Using Field S Pharmacoel	rmacoepidem nould Know ir edicine – <i>MRS</i> e Pharmacoe et to Unmeasur d New Appropriates – <i>MR20</i> frials – <i>MR20</i> frarmacoepidene Pediatric P Gcores in pidemiology - etion for Rare	pidemiology: red Confounde aches in emiology: emiologic Prin opulation – MH - Argyle 2 Disease Drug n Drug Approviue–Add in - MR202	er – Argyle 1 ciples to		
		Drug Safety	Research – Ar	gyle 3		1 PM - 5 PN ISPE Board MR604	The Science Assessment	and Method in Drug Deve	s of Benefit-Ri lopment – <i>Arg</i>			

P.25

7 PM

THURSDAY, AUGUST 24

P. 27

 7 AM
 8 AM
 9 AM
 10 AM
 11 AM
 12 PM
 1 PM
 2 PM
 3 PM
 4 PM
 5 PM
 6 PM
 7 PM

7:30 AM - 6 PM Speaker Ready Room - MR102

7:30 AM - 6 PM Registration - Convention Hall Pre-Function

7:30 AM - 6 PM Lactation Room - MR505

8:30 AM - 12:30 PM PRE-CONFERENCE COURSES

Adherence to Medication – MR202

Advanced DUR: The Conduct of Real-World

Drug Utilization Studies – *MR106/107*

Advanced Methods I: Evidence Synthesis Methods, Living Methods, and Applied Examples in Healthcare Research – *Argyle 1*

Applied Sensitivity Analyses in Pharmacoepidemiology Database St.

Pharmacoepidemiology Database Studies - Argyle 2

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Foundations in Causal Inference - MR201

Introduction to Machine Learning for Pharmacoepidemiologists – *Argyle 3*

Medical Device Epidemiology - MR605

New Frontiers for Pharmacoepidemiology: Using New and Mixed Methods for Data Collection – *MR501/502* 12:30 PM - 2 PM Lunch on Your Own

> 12:45 PM -2 PM New Memb

New Member & Early Stage Investigator Lunch – Ballroom Salon

By invitation only; registration required. 2:00 PM - 6 PM PRE-CONFERENCE COURSES

Advanced Methods II: How to Make Sure Immortal Time Never Happens – *Argyle 1*

How to Design a Real-World Study of Biologics Including Biosimilars – *MR106/107*

Intermediate / Advanced Topics in Vaccine Safety and Effectiveness – *MR202*

Modern Pregnancy Pharmacoepidemiology: Non-Live Birth Outcomes – *Argyle 2*

Pharmacoepidemiologic Approaches to Studying Drug-Drug Interactions – *MR201*

Pharmacovigilance and Signal Detection - MR605

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Risk Minimization and Communication: Effective Interventions for the Safe Use of Medicinal Products – *Argyle 3*

6:00 PM - 7:30 PM Welcome Reception & Academic Showcase Convention Hall & Argyle Pre-Function

Our mission is to improve health care delivery and population health through research and education, in partnership with health plans, delivery systems, and public health agencies. Partner with us We're the home of the Join our team Sentinel Operations Center and the Analytic Center for the Reagan-Udall We have opportunities for: Foundation Innovation in Medical Faculty Evidence and Development · Research Scientists/Epidemiologists Surveillance (IMEDS) program · Postdoctoral Fellows · Research Analysts Our team has extensive experience in Program Managers postmarket safety and effectiveness studies DEPARTMENT OF POPULATION MEDICINE Let's talk about our research and Harvard Pilgrim Health Care Institute HARVARD opportunities for collaboration!

FRIDAY, AUGUST 25

P.29

7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM
7 AM - 6 PM 7 AM - 6 PM	Speaker Re Registratio Lactation R	ady Room – <i>N</i> n – <i>Convention</i> Room – <i>MR505</i> 1 Exhibits/Po	MR 102 n Hall Pre-Function		12 - 1:30 PM Lunch Ballroom 12 - 1:30 PM COMMITTE MEETINGS Finance MR603/604 Public Polic MR605 History & Archives MR606 Membership MR607 Open to all participants,	1:30- ORAI PRES Applie for Eva Effecti Due Be During Pregna Effecti of Antico Therap Effecti of Anti Treati Health Resear What's Choice It Start	1:30 - 3 PM ORAL PRESENTATIONS Applied Methods for Evaluating Effectiveness - Argyle 1 Due Before, During, and After Pregnancy - Argyle 2 Effectiveness of Anticoagulant Therapy - Argyle 3 Effectiveness of Antidiabetic Treatments - MR 109 Health Outcomes Research: What's in a Choice? - MR201 It Starts at the Very		3:30 - 5 PM SYMPOSIA & WORKSHOPS Designing ECA Studies to Contextualize Effectiveness in Single-Arm Clinical Trials – Argyle 1 Integration of Systems Biology and Pharmacoepidemiology for Drug Repurposing Research: DREAM Study Lessons – Argyle 2 Introducing CoLab: The Evolution of U.S Canada International Collaboration on		5:15-6:45 PM ORAL PRESENTATIONS Fear Not; Get the Shot – Argyle 1 Finding Balance in the Rising Tides of Drug Safety in Older Adults: A Global Perspective – Argyle 2 Lightning Session 1 – Argyle 3 Vaccine Potpourri – MR109 Mixing Up the Methods in Drug Utilization Research – MR201 COVID	
			Solution RWD A Collab Challe Oppor Ready Come Emerg Causal	Access and oration:	12:15- 1:15 PM Spotlight Poster Session A Conventio Hall	Beginn t	s at the very	Effecti Argyle Levera World Inform Follow and G Thera Sustai Drug L Pharm iologis Addre Enviro Impac	ging Real- Insights to Long-Term Insights to Long-Term Insights to Long-Term Insights to Long-Term Insights to I cong-Term Insights to I cong-Term Insights to I cong-Term Insights Ins	9 PM al Board - 11 PM ents/Early er Profession the Greet	10 PM	Pharmaco- epidemiology MR615 Genomics & Precision Medicine Argyle 3 Geriatric Epi Argyle 2 Health Equity MR612/613 Medications in Pregnancy & Lactation MR109 Pediatric MR103 Rare Disease Argyle 1 RWE Collaborative MR202 Vaccines MR201

SATURDAY, AUGUST 26

P.39

7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PN	1	3 PM	4 PM	5 PM	6 PM	7 PM
7 AM - 6 PM 7 AM - 6 PM 7 AM - 6 PM 7 - 8 AM Coffee with Exhibitors Convention Hall 7 - 8 AM African RIG MR604 Open to all participants. 7 - 8 AM Latin America RIG MR612/613 Open to all participants. 7 - 8 AM Poster Session B	PM Speaker Ready Room – MR? PM Registration – Convention H. 8 AM – 6 PM Lactation Room 8 AM – 6 PM Exhibits/Poster 8 – 9:30 AM 10 RAL PL SPRESENTATIONS A Tour of Informatics: from Prediction to Prevalence – Argyle 1 Brainstorm NS Treatments/ Exposure – Argyle 2 Don't Lose Heart – Argyle 3 Let Us Give it a Trial: Methods in PE – MR109 Liver and Pregnancy Research Gone Viral – MR201 13 With Whom Do We Compare? – MR202	MR102 ion Hall Pre-Fu Room – MR50s	nnction 5 n B – Conven M 11:3 Lunc Ballr 11:3 COM MEE Glob Deve MR6 Educ MR6 Sust MR6 Open partic lunch	tion Hall D AM - 1 PM th - coom D AM - 1 PM IMITTEE TINGS al elopment 04 cation 05 ainability 12/613 to all ipants, available 1:45 AM - 2:45 PM potlight oster ession B	1-2:30 PM ORAL PRESENTAT Lightning Session 2 – Arg Risky Business Argyle 2 Safety in Numt a Potpourri – Ar The "Sea" of Cancer – MR10 Vaccines: Boos Confidence – Ar Drug Safety in	ORAL PRESENTATIONS Lightning Session 2 – Argyle 1 Risky Business – Argyle 2 Safety in Numbers: a Potpourri – Argyle 3		- PM ual ting PE sbers vards mony oom	4:15 - 5:4 SYMPOS WORKSH Building Co on RWE Eva Standardize Assessing V RWE studie From Classis Cutting Edg Addressing Quality Cha in Electronii Record Data Person-Gen Health Data Is Pharmaco iology Read This New Fr Argyle 3 Sharing is C A Symposiu Code Sharin Pharmacoe iology – MR. Translating RWE and O'	15 PM SIA & HOPS Insensus Iduation: Ed Tool for (alidity in s - Argyle 1 c to ge: Data Illenges c Health a - Argyle 2 Interated it copidem- ly for contier? - Caring? Im on ing in pidem- 201	6-7 PM COUNCIL MEETINGS Industry/ Svc Provider Argyle 2 Student MR612/613 Open to all participants.	7 PM	
				P S C	oster				7 PM	Translating	ther pidem- search to Policy I	10 PM	11 PM
									Socia	- 11:30 PM al Evening at atown Compl		Connor	

SUNDAY, AUGUST 27

P.50

7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	
7 AM - 3:30 P	PM Speaker Ready Room – MR102											
7 AM - 4:30 P	10 PM Registration – Convention Hall Pre-Function											
7 AM - 4:30 P	PM Lactation	Room – MR50	05									
7:15 - 8:15 AM 2024 Scientific Program Committe MR605 Open to ISPE members.	e											
7 - 8 AM Coffee with			– Convention H Session C – Cor									
Exhibitors Convention					12 - 1:30 DM	1:30	- 3 DM	3:15 - 4:4	IS DM 1:	45 -		
7 - 8 AM Poster	ORAL PRESE	8:30 - 10 AM ORAL PRESENTATIONS Beyond the Beaver	12 PM SYMPOSIA &		M Lunch POSIA & Ballroom		ORA PRES	1:30 - 3 PM ORAL PRESENTATIONS Hali-FACTS:	HOT TOP SESSION Ballroom	PIC 5: I TI Fi	30 PM he nal	
Session C Set-Up Convention Hall	Taíl in Clinical Epidemiology – Argyle 1 Pharmacoepi Toolbox for Confounding Control – Argyle 2 Pharmacovigilance: Follow the Evidence – Argyle 3 Mapping the Road to Health Equity/		by CO' Relate Disrup	Bias Introduced by COVID-19 Related Healthcare Disruptions in Safety		of Risk D Makin	ating Benefit- ecision- g with Argyle 1			Word Ballroom		
7-8 AM			and Effectiveness Studies – Argyle 1 Deep Learning for Pharmacoepidemiologists: An Accessible Introduction to		yle 1 MR604		iing n 3 – <i>Argyle 2</i>)				
SIG MEETINGS Cancer					1:15 PM							
Argyle 1		ntrolled and	Neural Argyle	l Networks – 2			hing – <i>MR109</i> ve					
Environ- mental Pharmacoep- idemiology MR201	Other Methods Stuff – MR201 Tracking Trends Around The World – MR202	ther Methods Emulation of a Target ruff – MR201 Trial in Pregnancy: Learning from the Chronic			Conventio Hall	What (- <i>MR201</i> Can Be ed from nes - <i>MR202</i>					
MILLOT				ancy (CHAP) A <i>rgyle 3</i>								
			Off-La Use: C	oeutic on-Making for bel Medicines hallenges pportunities –								
			Genera Regula	g-up RWE ation for ators in Europe: IN EU – <i>MR202</i>								



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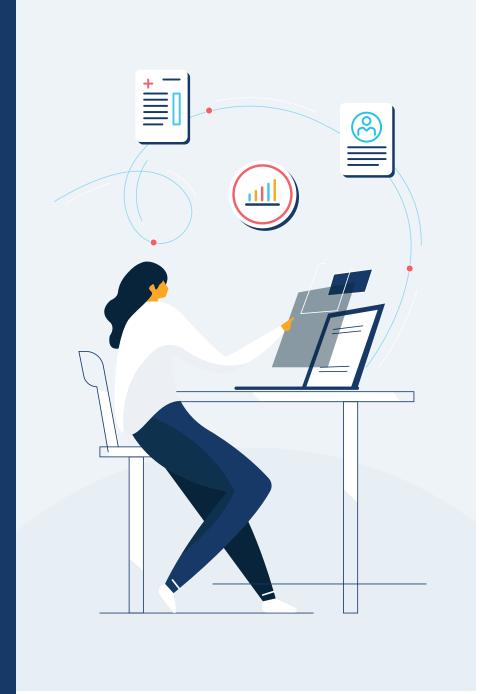
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RE-CONFERENCE Program Schedule

G 2

2:00 - 6:00 PM

SPEAKER READY ROOM - MR102

Only required if you need to upload your presentation, or update/replace an already-uploaded presentation. Please complete uploads 24-hours in advance of your session.

4:00 - 6:00 PM

REGISTRATION – CONVENTION HALL PRE-FUNCTION

If you plan to attend a course on Wednesday morning, it is strongly recommended that you register Tuesday evening to avoid delavs.

PRE-CONFERENCE Program Schedule

3

7:30 AM - 6:00 PM

SPEAKER READY ROOM - MR102

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7:30 AM - 6:00 PM

REGISTRATION - CONVENTION HALL PRE-FUNCTION

7:30 AM - 6:00 PM

LACTATION ROOM - MR505

Sponsored by EPI Excellence, LLC

8:30 AM - 12:30 PM

EDUCATIONAL SESSIONS

HALF-DAY MORNING COURSES

Prepurchase required.

Introduction to Drug Utilization Research: The Conduct of Real-World Drug Utilization Studies -Describe and Compare – MR106/107

Petra Denig, FISPE | Lotte Rasmussen | Mina Tadrous, FISPE Lisa Pont, FISPE | Björn Wettermark

Pharmacoepidemiologist's Toolbox for Professional Empowerment – Argyle 1

Caitlin Knox, FISPE | Juan Hincapie Castillo | Vin Lo Re, FISPE Mary Beth Ritchey, FISPE | Robert Platt, FISPE

PRE-CONFERENCE Program Schedule

Pharmacogenomics & Precision Medicine for Pharmacoepidemiologists - MR201

Amalia Issa, FISPE | Gillian Bartlett-Esquilant, FISPE Stephen Kimmel, FISPE | Bruce Carleton, FISPE Anke-Hilse Maitland-van der Zee, FISPE

Practical Skills In Protocol Writing and Statistical Analytic Programming Relevant to Studies Generating Real-World Evidence (RWE) - MR202

Natasha Pratt | Christian Hampp, FISPE | Jessica Jalbert Ximena Camacho | Soko Setoguchi, FISPE

Principles of Pharmacoepidemiology – Argyle 2

Tobias Gerhard, FISPE | Almut Winterstein, FISPE | Tania Schink

Regulatory Pharmacoepidemiology - MR501/502

Danica Marinac-Dabic, FISPE | Katherine Donegan

Using Pharmacoepidemiology Database Resources to Address Drug Safety Research - Argyle 3

Kevin Haynes | Rosa Gini | Matthew Reynolds, FISPE Daniel Beachler | Sudha Raman

12:30 - 2:00 PM

LUNCH ON YOUR OWN

The convention centre is located in a busy downtown area with several nearby dining options.

1:00 - 5:00 PM

ISPE BOARD OF DIRECTORS' MEETING - MR604

Open to all ISPE members; please contact info@pharmacoepi.org if you are interested in attending this meeting.

2:00 - 6:00 PM

EDUCATIONAL SESSIONS

HALF-DAY AFTERNOON COURSES

Prepurchase required.

Cancer Pharmacoepidemiology and Genomics: What You Should Know in the Era of Precision Medicine - MR501/502

Andrew Freedman, FISPE | Bruce Carleton, FISPE Donna Rivera, FISPE | Wei Zhou, FISPE | Geoffrey Liu

Intermediate Pharmacoepidemiology: Approaches to Unmeasured Confounder – Argyle 1

Michele Jonsson Funk, FISPE | Jennifer Lund, FISPE Sudha Raman | Muqdha Gokhale Til Stürmer, FISPE | Jessica Young

Methods and New Approaches in Pragmatic Trials - MR201

Jennifer Christian | Priscilla Velentgas Cynthia Girman, FISPE | Anne Trontell

Pediatric Pharmacoepidemiology: Adapting Pharmacoepidemiologic Principles to Studies of the Pediatric Population – MR106/107

Jenny Sun | Tamar Lasky, FISPE | Daniel Horton, FISPE Mehmet Burcu | Ann McMahon, FISPE

Propensity Scores in Pharmacoepidemiology – Argyle 2

John Seeger, FISPE | Jeremy Rassen, FISPE

Real-World Evidence (RWE) Generation for Rare Disease Drug Development and Orphan Drug Approvals – MR605

Emily Bratton | Laura Hester | Xabier Garcia de Albeniz Martinez

Using Field Studies to Value-Add in Pharmacoepidemiology - MR202

Katja Taxis, FISPE | Lisa Pont, FISPE | Jennifer Isenor

Weighting the Benefits & Risks: The Science and Methods of Benefit-Risk Assessment in Drug Development - Argyle 3

Alicia Gilsenan, FISPE | Tarek Hammad, FISPE Juhaeri Juhaeri | Bennett Levitan | Carol Mansfield

RE-CONFERENCE Program Schedule

S D A Y,

7:30 AM - 6:00 PM

SPEAKER READY ROOM - MR102

Please arrive 24 hours before your presentation start time to upload or check your presentation.

7:30 AM - 6:00 PM

REGISTRATION - CONVENTION HALL PRE-FUNCTION

7:30 AM - 6:00 PM

LACTATION ROOM - MR505

Sponsored by EPI Excellence, LLC

8:30 AM - 12:30 PM

EDUCATIONAL SESSIONS

HALF-DAY MORNING COURSES

Prepurchase required.

Adherence to Medication – MR202

Jacqueline Hugtenburg | Julie Lauffenburger Robert Gross, FISPE

Advanced Drug Utilization Research -

The Conduct of Real-World Drug Utilization Studies: Development And Evaluation of Interventions to Improve the Quality of Medication Use – MR106/107

Petra Denig, FISPE | Katja Taxis, FISPE Mina Tadrous, FISPE | Lotte Rasmussen

Advanced Methods I: Evidence Synthesis Methods, Living Methods, and Applied Examples in Healthcare Research - Argyle 1

Nivantha Naidoo | Deborah Layton, FISPE Samantha Lane | Tzuyung Douglas Kou

Applied Sensitivity Analyses in Pharmacoepidemiology Database Studies - Argyle 2

Sebastian Schneeweiss, FISPE | Jeremy Rassen, FISPE

Richard Wyss | Elizabeth Garry

Foundations in Causal Inference - MR201

Geetha lyer | Joshua Gagne, FISPE

Introduction to Machine Learning for Pharmacoepidemiologists – Argyle 3

Harriet Dickinson | Dana Yael Teltsch | Victoria Strauss Orla Doyle | Kathryn Rough

Medical Device Epidemiology – MR605

Mary Beth Ritchey, FISPE | Christina Mack, FISPE Mackenzie Herzog | David Maislin | Paul Coplan, FISPE

New Frontiers for Pharmacoepidemiology: Using New and Mixed Methods for Data Collection - MR501/502

Nancy Dreyer, FISPE | Christina Mack, FISPE Will Dixon | Nabarun Dasgupta

12:30 - 2:00 PM

LUNCH ON YOUR OWN

The convention centre is located in a busy downtown area with several nearby dining options.

12:45 - 2:00 PM

NEW MEMBER & EARLY-STAGE INVESTIGATOR LUNCH - BALLROOM SALON

By invitation only; registration required.

2:00 - 6:00 PM

EDUCATIONAL SESSIONS

HALF-DAY AFTERNOON COURSES

Prepurchase required.

Advanced Methods II: How to Make Sure Immortal Time Never Happens – Argyle 1

Miguel Hernan | Deborah Layton, FISPE Xabier Garcia de Albeniz Martinez

How to Design a Real-World Study of Biologics Including Biosimilars – MR106/107

Jaclyn Bosco, FISPE | Rohini Hernandez Natasha Pratt | Ylenia Ingrasciotta

Intermediate / Advanced Topics in Vaccine Safety and Effectiveness – MR202

Jennifer Gerber | Morgan Marks | Hector Izurieta Robert Chen, FISPE | Joanne (Juan) Wu | Cindy Ke Zhou Deshayne Fell | Annette Regan | Leah McGrath

Modern Pregnancy Pharmacoepidemiology: Non-Live Birth Outcomes – Argyle 2

Andrea Margulis, FISPE | Brian Bateman Sonia Hernandez-Diaz, FISPE | Krista Huybrechts, FISPE

PRE-CONFERENCE

Program Schedule

Pharmacoepidemiologic Approaches to Studying Drug-Drug Interactions – *MR201*

Katsiaryna Bykov | Todd Miano | Antonios Douros

Pharmacovigilance and Signal Detection – MR605

Judith Maro | Monica Munoz | G. Niklas Norén | Greg Powell

Risk Minimization and Communication: Science-Based Approaches and Case Studies for Designing and Evaluating Effective Interventions for the Safe Use of Medicinal Products – *Argyle 3*

Priya Bahri | Meredith Smith, FISPE | Peter Mol Elaine Morrato, FISPE | Amir Sarayani | Rania Mouchantaf

6:00 - 7:30 PM

WELCOME RECEPTION
ROGERS SQUARE

Tobias Gerhard, FISPE ISPE President

Robert Platt, FISPE, Chair
ICPE 2023 Scientific Program Committee

ACADEMIC SHOWCASE

Division of Pharmacoepidemiology & Pharmacoeconomics, Brigham & Women's Hospital & Harvard Medical School

Harvard School of Public Health & Medical School

ISPE Mentorship Program

ISPE Student Council

Johns Hopkins Center for Drug Safety and Effectiveness

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marianne.cunnington@analysisgroup.com

Maral DerSarkissian, Ph.D.

Vice President maral.dersarkissian@analysisgroup.com

G 2

7:00 AM - 6:00 PM

SPEAKER READY ROOM - MR102

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7:00 AM - 6:00 PM

REGISTRATION – CONVENTION HALL PRE-FUNCTION

7:30 AM - 6:00 PM

LACTATION ROOM - MR505

Sponsored by EPI Excellence, LLC

7:00 - 8:00 AM

CONTINENTAL BREAKFAST - CONVENTION HALL

7:00 - 8:00 AM

POSTER SESSION SET-UP - CONVENTION HALL

8:00 AM - 6:00 PM

EXHIBITS / POSTER SESSION A - CONVENTION HALL

8:00 - 8:15 AM

WELCOME / BALLROOM

Tobias Gerhard, FISPE

ISPE President

Robert Platt, FISPE, Chair

ICPE 2023 Scientific Program Committee

8:15 - 10:00 AM PLENARY SESSION

Town Hall: Global Regulatory Forum on Real-World Evidence Sponsored by ISPE's RWE Collaborative SIG - Ballroom

This session provides a novel opportunity for ISPE membership to interact with international regulators on scientific initiatives and current approaches around the use of Real-World Data and Real-World Evidence to inform regulatory decision making as it pertains to pharmacoepidemiology. The new town hall format invites officials from Health Canada and the U.S. FDA to set the stage with a fireside chat to discuss key issues facing the field. The international discussion continues with applied RWD examples within specific therapeutic areas including oncology, rare diseases, and infectious diseases, concluding with an interactive panel discussion among global regulators moderated by the FDA Commissioner.

The objective is to facilitate an engaging discussion between ISPE and global regulatory agencies on high impact RWD topics that are at the intersection of regulatory science and pharmacoepidemiology.

LEARNING OBJECTIVES

- 1. Provide a collaborative forum to hear an exchange of ideas among regulatory agencies, academia, industry, and other stakeholders.
- 2. Illustrate examples of use of RWD and current RWE initiatives by global regulatory agencies.
- 3. Explore opportunities and challenges using RWD to support global regulatory science research and regulatory decision-making.

SESSION CHAIR

Donna Rivera PharmD., MSc.

Oncology Center of Excellence, U.S. Food and Drug Administration

Fireside Chat

Robert Califf, MD, Commissioner, US Food and Drug Administration

Pamela Aung-Thin, Assistant Deputy Minister, Health Canada

MODERATOR

Brian Strom, MD, MPH

Chancellor, Rutgers Biomedical and Health Sciences, Rutgers University

Panel

Donna Rivera PharmD., MSc.

Oncology Center of Excellence, U.S. Food and Drug Administration

Melissa Kampman, PhD.,

Manager, Data Analytics and Real-world Evidence Division, Health Canada

Yoshi Uyama, PhD.

Director, Office of Epidemiology, Japan Pharmaceuticals and Medical Devices Agency

Michal Hirsh-Vexberg, MD Head of the Drug Registration. Israeli Ministry of Health

Patrice Verpillat

Health of Real-World Evidence, European Medicines Agency

Katherine Donegan, PhD

Head of Epidemiology, Medicines and Healthcare Products Regulatory Agency, UK

MODERATOR Robert Califf, MD

Commissioner,

US Food and Drug Administration

10:00 - 10:30 AM

BREAK - CONVENTION HALL

10:30 AM - 12:00 PM

CONCURRENT SESSIONS

SYMPOSIA & WORKSHOPS

Curriculum in Pharmacoepidemiology Training and Alignment with Updated Core Competencies: State of the Field and Educational Needs Assessment [31] - Argyle 1

Amie Goodin | Vicki Osborne | Deborah Layton | Daniela Moga Almut Winterstein | Andrew Bate | Catherine Cohet | Lisa Pont David Moeny | Olaf Klungel | Simone Pinheiro | John Seeger K. Arnold Chan | Joshua Brown | Stanley Edlavitch | Hugh Tilson

Data to Action: Leveraging Drug Utilization Research to Shift Clinical Practice and Health Policy [32] - Argyle 2

Mina Tadrous | Lotte Rasmussen | Juan Hincapie-Castillo Gillian Caughey

Developing Code Lists for Pharmacoepidemiology: The How and Why? [33] - Argyle 3

Sina Noshad | Vincent Lo Re | Tzuyung Douglas Kou Asieh Golozar | Susan Oliveria

Privacy-Preserving Solutions for Real-World Data (RWD) Access and Collaboration: Challenges and Opportunities [34] – MR201

Echo Wang | Mehmet Burcu | Jeremy Rassen | Randi Foraker Lucy Mosquera | Patrice Verpillat

Ready or Not, Here Come Estimands! The Emerging Attention to Causal Estimands in Real-World Evidence Studies [35] – MR202

Xabier Garcia de Albeniz Martinez | Costel Chirila Miguel Hernan | Daniel Morales Leaver

12:00 - 1:30 PM

LUNCH - BALLROOM

12:00 - 1:30 PM

POSTER SESSION A/EXHIBITS - CONVENTION HALL

12:00 - 1:30 PM

ISPE COMMITTEE MEETINGS

Open to all attendees; lunch available.

Finance - MR603/604 History & Archives - MR606

Public Policy – MR605 Membership - MR607

28 | ICPE 2023 | Halifax, Nova Scotia, Canada _

12:15 - 1:15 PM

SPOTLIGHT POSTER SESSION A

CONVENTION HALL

Health Equity

Medical Devices

Medications in Pregnancy and Lactation

Pediatrics

Rare Diseases

RWE Collaborative

Vaccines

1:30 - 3:00 PM

CONCURRENT SESSIONS

ORAL PRESENTATIONS

Applied Methods for Evaluating Effectiveness - Argyle 1

MODERATORS: Mugdha Gokhale | Kenneth Man

1:30 PM

The Augmentation Therapy and Suicide Risk in Patients with Treatment-Resistant Depression Using Target Trial Emulation Framework [36]

Daniel Hsiang-Te Tsai | Avery Shuei He Yang | Zi Xuan Wong Edward Chia-Cheng Lai (Taiwan)

1:45 PM

Long-Term Effects of Intra-Articular Corticosteroid Injections Among Knee Osteoarthritis Patients: An Instrumental Variable and Propensity Score Analysis [37]

Samuel Hawley | Albert Prats-Uribe | Gulrai Matharu Antonella Delmestri | Daniel Prieto-Alhambra | Andrew Judge Michael Whitehouse (United Kingdom)

2:00 PM

Combining Randomized Trials and Observational Studies Data for Comparison of Treatment Effects: An Application to Disease Modifying Therapies for Multiple Sclerosis [38]

Erwan Muros-Le Rouzic | Yanic Heer | Sean Yiu | Viola Tozzi Stefan Braune | Philip van Hövell | Arnfin Bergmann Corrado Bernasconi | Fabian Model | Licinio Craveiro (Switzerland)

2:15 PM

Comparative Effectiveness of Generic Versus Brand-Name Fluticasone-Salmeterol Dry Powder Inhalers to Treat COPD [39]

William Feldman | Aaron Kesselheim | Jerry Avorn Massimiliano Russo | Shirley Wang (United States)

2:30 PM

Cardiovascular Outcomes with SGLT2 Inhibitors Versus DPP4 Inhibitors and GLP-1 Receptor Agonists in Patients with Heart Failure with Reduced and Preserved Ejection Fraction [40]

Chintan Dave | Jimmy Gonzalez | Benjamin Bates Soko Setoguchi | Tobias Gerhard (United States)

Assessing Comparability of Osteoporosis Treatment Groups Using Real World Healthcare Data from the U.K. and Denmark: Evaluating Propensity Score and Negative Control Outcome Methods to Address Confounding by Indication [41]

Eng Hooi (Cheryl) Tan | Trishna Rathod-Mistry | Victoria Strauss James O'Kelly | Francesco Giorgianni | Richard Baxter Alma Pedersen | Vera Ehrenstein Daniel Prieto-Alhambra (United Kingdom)

Due Before, During, and After Pregnancy - Argyle 2

MODERATORS: Ursula Kirchmayer | Srikanth Siddalingegowda

Drug Utilisation of Valproate-Containing Medicinal Products in Women of Childbearing Potential in 5 European Countries: A Population-Based Network Cohort Study Part of DARWIN EU® [42]

Albert Prats-Uribe | Martí Català Sabaté | Katia Verhamme Maria de Ridder | Carlen Reyes Reyes | Talita Duarte-Salles Peter Rijnbeek | Edward Burn | Daniel Prieto-Alhambra Annika Jödicke (United Kingdom)

Determinants of Non-Compliance with the Pregnancy Prevention Program in Women Initiating Oral Isotretinoin Therapy: A Cohort Study from the French Nationwide Claims Database [43]

Anaïs Havet | Clara Bouvard | Aurélie Moskal | Marc Chanelière Jérôme Massardier | Bénédicte Lebrun-Vignes Annie Pierre Jonville-Bera | Cécile Payet | Marie Viprey (France)

2:00 PM

Use of Oral Preventive and Emergency Hormonal Contraceptives: Recent Trends and Response to the U.S. Supreme Court's Dobbs Decision [44]

Dima Qato | Jenny Guadamuz | Andrew Shooshtari G. Caleb Alexander (United States)

2:15 PM

New Long-Acting Reversible Contraceptive Insertions More Than Doubled Among a Commercially Insured, U.S.-Based Outpatient Population from 2010 to 2020 [45]

Chase Latour | Clara Busse | Mekhala Dissanayake | Sara Dejene Andrea Knittel | Mollie Wood | Alan Kinlaw (United States)

2:30 PM

Antithyroid Drug Use Before and During Pregnancy: Assessment of Switching Patterns and Changes Over Time [46]

Tania Schink | Bianca Kollhorst | Ulrike Haug (Germany)

Lithium in Pregnancy:

A Utilization Study in the Five Nordic Countries [47]

Felix Wittström | Carolyn Cesta | Jacqueline Cohen | Marie Bendix Mette Bliddal | Mika Gissler | Maarit Leinonen | Laura Pazzagli Lotte Rasmussen | Helga Zoega | Johan Reutfors (Sweden)

Effectiveness of Anticoagulant Therapy - Argyle 3

MODERATORS: Xiaojuan Li | Ya-Hui Yu

1:30 PM

Comparative Effectiveness and Safety of Clopidogrel Versus Aspirin in Patients with Acute Ischemic Stroke: A Nationwide Population-Based Study [48]

Hsin-Yi Huang | Chi-Chuan Wang | Chung-Hsuen Wu (Taiwan)

Effectiveness and Safety of Apixaban, Rivaroxaban and Warfarin in Patients with Advanced Kidney Disease and Atrial Fibrillation: A Nationwide U.S. Cohort Study [49]

Edouard Fu | Rishi Desai | Julie Paik | Dae Kim | Yichi Zhang Julianna Mastrorilli | Alexander Cervone Kueiyu Joshua Lin (United States)

Emulating Randomized Controlled Trials of Non-Vitamin K Antagonist Oral Anticoagulants in Patients with Venous Thromboembolism [50]

Dongwon Yoon | Han Eol Jeong | Sohee Park | Seng Chan You Soo-Mee Bang | Ju-Young Shin (Republic of Korea)

Framework for Assessing the Reproducibility of Observational Comparative Effectiveness Research: Direct Oral Anticoagulants and Ischemic or Hemorrhagic Events Case Study [51]

Asieh Golozar | Martin Lavallee | Anna Ostropolets M. Ines Neves | Priyamvada Desai | Thomas Falconer Scott DuVall | Michael Matheny | Marc Suchard Christian Reich (United States)

The Comparative Effectiveness and Safety of Warfarin, Rivaroxaban, and Apixaban in Patients with Venous Thromboembolism: An Analysis of Three Real-World U.S. Healthcare Databases [52]

Geetha lyer | Helen Tesfaye | Gregory Brill | Heidi Zakoul Sebastian Schneeweiss | Katsiaryna Bykov (United States)

2:45 PM

Effectiveness and Safety of Reduced Dose Prasugrel Versus Standard Dose Ticagrelor in East Asian Patients with Acute Coronary Syndrome Undergoing Percutaneous Coronary Intervention [53]

Hsin-Yi Huang | Chi-Chuan Wang | Yee-Jen Wu Chien-Chih Wu | Ling-Ya Huang (*Taiwan*)

Effectiveness of Antidiabetic Treatments – MR109

MODERATORS: Cynthia Girman | Edward Chia-Cheng Lai

1:30 PM

Heterogenous Effects of Sodium-Glucose Cotransporter-2 Inhibitors on Nephrolithiasisin Older Adults with Type 2 Diabetes [54]

Yujia Li | Hui Shao | Yi Guo | Yongkang Zhang | Vivian Fonseca Lizheng Shi | Jiang Bian | Almut Winterstein Serena Jingchuan Guo *(United States)*

1:45 PM

Dipeptidyl Peptidase-4 Inhibitors and the Risk of Skin Cancer Among Patients with Type 2 Diabetes: Population-Based Cohort Study [55]

Richeek Pradhan | Laurent Azoulay | Robert Platt | Oriana Yu (Canada)

2:00 PM

Healthcare utilization and cost associated with Empagliflozin in Older Adults with Type 2 Diabetes: Results from the EMPRISE Study [56]

Phyo Than Htoo | Helen Tesfaye | Sebastian Schneeweiss Deborah Wexler | Robert Glynn | Niklas Schmedt Anouk Déruaz-Luyet | Lisette Koeneman | Julie Paik Elisabetta Patorno (United States)

2:15 PM

SGLT2 Inhibitors Associated with Decreased Risk of Nephrolithiasis Compared to GLP-1 Receptor Agonists: An Active Comparator, New User Cohort Study [57] Adrian Martinez-De la Torre | Andrea Burden | Anton Pottegård Lars Christian Lund (Switzerland)

2:30 PM

Sodium-Glucose Cotransporter-2 Inhibitors, and Glucagon-Like Peptide-1 Receptor Agonists, and the Risk of Macrovascular, and Microvascular Complications Among Patients with Type 2 Diabetes and Non-Alcoholic Fatty Liver Disease [58]

Sungho Bea | Kristian Filion | Ju-Young Shin (Republic of Korea)

2:45 PM

Empagliflozin on the Risk of Retinopathy in Patients with Type 2 Diabetes: Results from the EMPRISE Study [59]

Helen Tesfaye | Phyo Than Htoo | Julie Paik | Heidi Zakoul Niklas Schmedt | Anouk Déruaz-Luyet | Lisette Koeneman Deborah Wexler | Elisabetta Patorno (United States)

Health Outcomes Research: What's in a Choice? – MR201

MODERATORS: Danica Marinac-Dabic | Susana Perez-Gutthann

1:30 PM

Association Between Angiotensin Receptor Blocker Drug Recalls and Adverse Clinical Outcomes in Patients with Heart Failure [60]

Katie Suda | Joshua Devine | Mina Tadrous Nandita Mukhopadhyay | Inmaculada Hernandez Scott Rothenberger | Katherine Callaway Kim (United States)

1:45 PM

Regulatory and Health Technology Assessment of Cell and Gene Therapies in Europe: Convergence or Divergence? [61]

Lourens Bloem | Mark Hoogendoorn | Babs Fabriek (Netherlands)

2:00 PM

Using a Target Trial Framework to Compare the Effect of High/Low Opioid Dosing Strategies at Post-Surgical Discharge on Newly Developed Opioid Use Disorder [62] Yu-Chia Hsu | Hezkiel Nanda | Paul Drawz | Genevieve Melton Christopher Tignanelli | Bronwyn Southwell | Wendy St. Peter (United States)

2:15 PM

Novel Uses of Adaptive Designs to Guide provider Engagement in Electronic Health Records (NUDGE-EHR): A Pragmatic Adaptive Database-Randomized Trial [63]

Julie Lauffenburger | Lorenzo Trippa | Robert Glynn Massimiliano Russo | Punam Keller | Ted Robertson Kaitlin Hanken | Nancy Haff | Niteesh Choudhry (United States)

2:30 PM

Personalizing Communication To Improve Medication Adherence Using Reinforcement Learning: A Pragmatic Randomized Trial [64]

Julie Lauffenburger | Elad Yom-Tov | Punam Keller Marie McDonnell | Katherine Crum | Gauri Bhatkhande Kaitlin Hanken | Nancy Haff | Niteesh Choudhry (United States)

2:45 PM

Treatment Effectiveness of Oral Disease-Modifying Agent in Multiple Sclerosis Adjusting for Adherence Trajectories [65]

Jagadeswara Earla | Jieni Li | George Hutton | Rajender Aparasu (United States)

It Starts at The Very Beginning – MR202

MODERATORS: Susan dosReis | Daniel Horton

1:30 PM

Health Canada Advisory Impact on the Prevalence and Trends of Oral Codeine Use in The Pediatric Canadian Population: A Comparative Study Across Provinces [66] Odile Sheehy | Sherif Eltonsy | Steven Hawken | Padma Kaul Brandace Winquist | Olesya Barrett | Anamaria Savu Roxana Dragan | Michael Pugliese | Sasha Bernatsky Jessica Gorgui | Anick Bérard (Canada)

1:45 PM

The use of ADHD Medication and the Risk of Suicide Attempt: A Multinational Population-Based Self-Controlled Case Series Study [67]

Adrienne Chan | Amy Chan | Edward Chia-Cheng Lai | Sohee Park Chin-Yao Shen | Ju-Young Shin | Li Wei | Kenneth Man lan Wong (Hong Kong)

2:00 PM

Antidepressant Treatment Initiation Among Children with Long COVID [68]

Phuong Tran | Alejandro Amill-Rosario | Susan dos Reis (United States)

2:15 PM

The Comparative Effectiveness and Safety of Amoxicillin Alone Versus Amoxicillin/Clavulanate for the Outpatient Treatment of Acute Sinusitis in Children [69]

Timothy Savage | Matthew Kronman Sushama Kattinakere Sreedhara | Su Been Lee | Theresa Oduol Krista Huybrechts (United States)

2:30 PM

Early-Life Cancer Risk Among Children Conceived by Assisted Reproductive Technology: A Comparative Nationwide Cohort Study from the French National Mother-Child Register "EPI-MERES" [70]

Paula Rios | Philippe Herlemont | Patricia Faugue | Brigitte Lacour Pierre Jouannet | Alain Weill | Mahmoud Zureik Jacqueline Clavel | Rosemary Dray-Spira (France)

Performance of Different Computable Phenotypes for the Identification of Opioid-Exposed Infants in the Electronic Health Record [71]

Andrew Wiese | Julia Phillippi | Alexandra Muhar Aleksandra Polic | Ge Liu | Sarah Loch | Henry Ong Wu-Chen Su | Wei-Qi Wei | Stephen Patrick (United States)

3:00 - 3:30 PM

BREAK / POSTERS / EXHIBITS - CONVENTION HALL

3:30 - 5:00 PM

CONCURRENT SESSIONS

SYMPOSIA & WORKSHOPS

Evaluating Challenges in Designing External Control Arm (ECA) Studies to Contextualize Effectiveness in Single-Arm Clinical Trials: A Case in Hematologic Malignancies [72] - Argyle 1

Wenzhen Ge | Christian Hampp | Bingcao Wu | Paul Spin K. Arnold Chan | Catherine Lerro

Integration of Systems Biology and Pharmacoepidemiology for Drug Repurposing Research: Lessons From the Drug Repurposing for Effective Alzheimer's Medicines (DREAM) Study [73] - Argyle 2

Rishi Desai | Tobias Gerhard | Jodi Segal | Madhav Thambisetty

Introducing CoLab: The Evolution of U.S.-Canada International Collaboration on Drug Safety and Effectiveness [74] - Argyle 3

Judith Maro | Tarry Ahuja | Melissa Kampman David Moeny | Kristian Filion

Leveraging Real-World Insights to Inform Long-term Follow-up for Cell and Gene Therapies: Opportunities for Pharmacoepidemiologists [75] - MR201

Jamie Geier | Kui Huang | Emily Bratton | Peter Mol Quazi Ataher | Rosa Gini

Sustainable Drug Use: Role of Pharmacoepidemiologists and Their Tools Addressing Environmental Impact of Drug Utilization [76] – MR202

Björn Wettermark | Elisabetta Poluzzi | Ana Tomas Elkanah Linder | Soko Setoguchi | Johanna Villén

5:00 - 5:15 PM

BREAK

5:15 - 6:45 PM

CONCURRENT SESSIONS

ORAL PRESENTATIONS

Fear Not; Get the Shot – Argyle 1

MODERATORS: Deborah Layton | Jaclyn Bosco

5:15 PM

Reporting Adverse Events Following Immunization in Ghana - Health Care Workers Experiences [77]

Nana Ansah | Daniel Weibel | Samuel Oladokun | Enyonam Duah Patrick Ansah | Abraham Oduro | Miriam Sturkenboom *(Ghana)*

5:30 PM

Concordance Between Analyses from the Moderna Global Safety Database (GSD) and a U.S. Population-Based Study for COVID-19 Vaccine, mRNA-1273 [78]

Priyadarshani Dharia | Samantha St. Laurent | Vaishali Khamamkar Walter Straus | Veronica Urdaneta | Magalie Emilebacker Katherine Mues | Christopher Bush | Neloufar Rahai | David Martin Daina Esposito (United States)

5:45 PM

Active Vaccine Safety Surveillance Utilizing Administrative Data: Evaluating the Use of Open and Closed Claims Vs. Closed Claims Alone [79]

Deesha Patel | Victoria Cooley | Christopher Bush Neloufar Rahai | Katherine Mues | Rebecca Taylor | Sahar Syed Shaina Desai | Pippa Hodgkins | Brent Arakaki

Priyadarshani Dharia | David Martin | Daina Esposito (United States)

6:00 PM

Myocarditis Risk Following Immunization with Spikevax Primary Series and Booster Doses in a U.S. Administrative Database [80]

Daina Esposito | Christopher Bush | Neloufar Rahai Katherine Mues | Deesha Patel | Victoria Cooley | Sahar Syed Shaina Desai | Brent Arakaki | Priyadarshani Dharia David Martin (United States)

6:15 PM

Evaluation of Potential Adverse Events Following COVID-19 mRNA Vaccination Among Adults Aged 65 Years and Older: A Self-Controlled Study in the U.S. [81]

Hui-Lee Wong | Azadeh Shoaibi | Patricia Lloyd Tainya Clarke Yoganand Chillarige | Rose Do | Mao Hu | Yixin Jiao Andrew Kwist | Arnstein Lindaas | Rowan McEvoy Michelle Ondari | Shruti Parulekar | Xiangyu Shi | Jing Wang Kathryn Matuska | Yun Lu | Joyce Obidi | Cindy Zhou Jeffery Kelman | Richard Forshee | Steven Anderson (United States)

6:30 PM

Safety of Concomitant Administration of 23-Valent Polysaccharide Pneumococcal Vaccine and Influenza Vaccine Among the Elderly [82]

Heehyun Won | Jeong Ah Kim | Na-Young Jeong Nam-Kyong Choi (Republic of Korea)

Finding Balance in the Rising Tides of Drug Safety in Older Adults: A Global Perspective – *Argyle 2*

MODERATORS: Jennifer Lund | Shanna Trenaman

5:15 PM

Use of Cholinesterase Inhibitors and Non-Steroidal Anti-Inflammatory Drugs and the Risk of Peptic Ulcers: A Population-Based Self-Controlled Case Series Study [83] Máté Szilcz | Jonas Wastesson | Amaia Calderón-Larrañaga Daniel Prieto-Alhambra | Pierre-Olivier Blotiere | Géric Maura

Kristina Johnell (Sweden)

5:30 PM

Association of Anticholinergic Burden and Risk of Pneumonia in Aged People [84]

Avery Shuei He Yang | Xin-Yu Fan Jiang | Daniel Hsiang-Te Tsai Edward Chia-Cheng Lai (*Taiwan*)

5:45 PM

National Surveillance Using a Clinical Quality Indicator for Prolonged Antipsychotic Use Among Older Australians Living with Dementia Who Access Aged Care Services [85] Janet Sluggett | Tracy Air | Maria Inacio | Catherine Lang

Stephanie Ward | Susannah Ahern | Xiaoping Lin | Kasey Wallis Gillian Caughey (Australia)

6:00 PM

Effect of Non-benzodiazepine Hypnotics on Motor Vehicle Crashes Among Older Adults: A Sequential Target Trial Emulation [86]

Andrew Zullo | Marzan Khan | Melissa Pfeiffer | Seth Margolis Brian Ott | Allison Curry | Nina Joyce (United States)

6:15 PM

Association Between Antihypertensive Medication Initiation and Risk of Fractures Among Older Adults in VA Long-Term Care Facilities [87]

Chintan Dave | Yongmei Li | Michelle Odden (United States)

6:30 PM

Cumulative Sodium-Glucose Cotransporter 2 Inhibitor Exposure and Incident Dementia: A Population-Based Cohort Analysis [88]

Che-Yuan (Joey) Wu | Carina Iskander | Christa Wang Lisa Xiong Baiju Shah | Jodi Edwards | Moira Kapral Nathan Herrmann | Krista Lanctôt | Hugo Cogo-Moreira Bradley MacIntosh | Jennifer Rabin | Sandra Black | Refik Saskin Walter Swardfager *(Canada)*

5:15 - 6:45 PM

LIGHTNING FORUM SESSION 1 ARGYLE 3

Polypharm

MODERATORS

Helga Gardarsdottir | Christopher Rentsch

5:15 PM

Trends in Psychotropic Polypharmacy Among Medicaid-Enrolled Youths in One U.S. State, 2015-2020 [89]

Yueh-Yi Chiang | Alejandro Amill-Rosario | Haeyoung Lee Phuong Tran | Susan dosReis (United States)

5:20 PM

Contribution of Incident Potentially Inappropriate Medications to Polypharmacy-Associated Mortality in Individuals 41-64 Years of Age [90]

Jordan Guillot | Amy Justice | Kirsha Gordon | Melissa Skanderson Antoine Pariente | Julien Bezin | Christopher Rentsch (France)

5:25 PM

Ten-Year Trajectories of Multimorbidity and Impact on Polypharmacy in Older People [91]

Marc Simard | Elham Rahme | Marjolaine Dubé Véronique Boiteau | Denis Talbot | Caroline Sirois (Canada)

5:30 PM

Depressive Symptoms and Polypharmacy Among Adults: A Population-Based Analysis Using National Health and Nutrition Examination Survey (NHANES) Data [92]

Elyse Miller | Michele Jonsson Funk (United States)

5:35 PM

Polypharm Panel Discussion

Carelon Research powerful data and real-world insights

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Maternal health research including integrated infant data



Vaccine research incorporating state registry data



Advanced algorithm development and validation



Pregnancy

MODERATORS

Marleen Van Gelder | Helga Gardarsdottir

Characterizing Medication Use Patterns Among Pregnant and Non-Pregnant Patients with COVID-19 in the Sentinel System [93]

Mayura Shinde | Austin Cosgrove | Jolene Mosley Maria Kempner Jennifer Lyons | Elizabeth Messenger-Jones | Emma Hoffman José Hernández-Muñoz | Danijela Stojanovic | Ben Wong Leyla Sahin | Yueqin Zhao Susan Andrade | Darren Toh Wei Hua (United States)

Disorders of Glycemic Control in Child Following Exposure to Antibiotics: A Nationwide Cohort Study [94]

Eun-Young Choi | Sungho Bea | Ju-Young Shin (Republic of Korea)

5:55 PM

Differences in Urinary Tract Infection Incidence During Pregnancy by Racial and Ethnic Group in an Integrated Health System in the U.S., 2010-2022 [95]

Paige Wartko | Sharon Fuller | Anne Butler | Susan Shortreed Michael Durkin | Sarah Osmundson | Katelin Nickel Sandra McAteer | Robin Garcia | Sascha Dublin (United States)

Prescription Medication Use During Pregnancy in the United States from 2011 to 2019 [96]

Omar Mansour | Rienna Russo | Loreen Straub Krista Huybrechts | Sonia Hernandez-Diaz (United States)

Pregnancy Panel Discussion

Trends

MODERATORS

Helga Gardarsdottir | Lawrence Rasouliyan

6:15 PM

Urinary Escherichia Coli Antimicrobial-Resistance Trends and Antibiotic Use in Australian Residential Aged Care from 2016-2018: An Ecological Study [97]

Chloe Smit | Lisa Pont | Hamish Robertson | Katja Taxis Kris Rogers | Caitlin Keighley | Spiros Miyakis (Australia)

Trends and Inequalities in Statin Use for the Primary and Secondary Prevention of Cardiovascular Disease [98]

Rutendo Muzambi | Krishnan Bhaskaran | Emily Herrett (United Kingdom)

6:25 PM

Increase in Mental Health Conditions and Psychotropic Prescribing in Teenage Girls During the COVID-19 Pandemic in the U.S. [99]

Loreen Straub | Brian Bateman | Krista Huybrechts | Seanna Vine (United States)

6:30 PM

Non-Antibiotic Prescription Drug Use Among Danish Children and Adolescents 2005-2021 [100]

Helene Kildegaard | Morten Olesen | Lotte Rasmussen (Denmark)

6:35 PM

Trends Panel Discussion

Vaccine Potpourri – MR109

MODERATORS: Nkuchia M'ikanatha | Morgan Marks

5:15 PM

The Contribution of Immunization Information System Data to Claims-Based Capture of Vaccines Used to Prevent Mpox and Implications for Claims-Based Mpox Surveillance [101]

Lauren Peetluk | Michael Wilkinson | Wafa Tarazi | Tainya Clarke Joann Gruber | Alexandra Stone | Grace Yang | Kandace Amend Patricia Lloyd | Azadeh Shoaibi | Richard Forshee Steven Anderson | John Seeger | Elizabeth Bell (United States)

5:30 PM

High-Dose Influenza Vaccine Receipt: Geographic Variation in Racial Health Disparities [102] Joe Silva | Chanelle Howe | John Jackson | Melissa Riester Barbara Bardenheier | Liou Xu | Gary Puckrein | Robertus van Aalst Matthew Loiacono | Andrew Zullo (United States)

5:45 PM

Effectiveness of Recombinant Zoster Vaccine Against Herpes Zoster in a Real-World Setting. The Vaccine Safety Datalink [103]

Ousseny Zerbo | Joan Bartlett | Bruce Fireman | Ned Lewis Kristin Goddard | Kathleen Dooling | Jonathan Duffy | Jason Glanz Allison Naleway | James Donahue | Nicola Klein (United States)

6:00 PM

Comparing Vaccination Timeliness Among U.S. Children in the 2019 and 2021 National Immunization Survey-Child [104] Sophia Newcomer | Sarah Michels | Alexandria Albers Rain Freeman | Christina Clarke | Matthew Daley | Jason Glanz (United States)

Statins May Modulate the Effectiveness of the Flu Vaccine According to the Type of Respiratory Outcome: Results from the Statin Treatment Options During Vaccination Against inFLUenza (STOPFlu) Study [105]

William Henley | Adam Streeter (United Kingdom)

6:30 PM

Assessment of Neurological and Immunological Adverse Events Following Childhood Pneumococcal Vaccination: A Population-Based Self-Controlled Risk Interval Analysis [106]

Ju Hwan Kim | Dongwon Yoon | Hyesung Lee | Ju-Young Shin (Republic of Korea)

Mixing Up the Methods in Drug **Utilization Research - MR201**

MODERATORS: Andrea Burden | Petra Denia

5:15 PM

Approach to Standardised Drug Utilisation Analyses in DARWIN EU© [107]

Annika Jödicke | Albert Prats-Uribe | Martí Català Sabaté Edward Burn | Maria de Ridder | Peter Riinbeek | Katia Verhamme Daniel Prieto-Alhambra (United Kingdom)

5:30 PM

Using Day-Level Registry Data to Assess Heterogeneous and Time-Varying Medication Exposure Patterns in Patients Receiving Long-Term Outpatient Antibiotic Therapy, 2015-2022 [108]

Madison Ponder | Renae Boerneke | Asher Schranz Michael Swartwood | Claire Farel | Alan Kinlaw (United States)

5:45 PM

Projected Impact of Weight-Loss Medication Use on Racial-Ethnic Disparities in Adolescent Obesity [109]

Mary Ellen Vairavelu | Patricia Chu | David Frank | Ravy Vairavelu (United States)

6:00 PM

Approaches to the Description of Patterns of Care After Colitis Diagnosis in Melanoma Patients Treated with Immune Checkpoint Inhibitors (ICIs) [110]

Xianying Pan | Vishal Kulkarni | Raminder Pathak | Stefano Monda Imran Hasan (United States)

6:15 PM

Characteristics of U.S. Middle-Aged Adults with Polypharmacy: An Unsupervised Machine Learning Approach [111]

Michael Munsell | April Duddy | Matthew Lucci Tiffany Woodworth (United States)

Assessing the Performance of Group-Based Trajectory Modelling Method to Discover Patterns of Medication Adherence [112]

Alind Gupta | Awa Diop Iouis Dron | Sabrina Mueller | Gerald Smith (Canada)

COVID Consequences - MR202

MODERATORS: Alec Walker | Debabrata Roy

5:15 PM

Association between COVID-19 Vaccination and Healthcare Contacts for Menstrual Disturbance and Pre- and Post-Menopausal Bleeding - A Nationwide Cohort Study of 3 Million Swedish Women [113]

Yiyi Xu | Rickard Ljung | Anders Sundström | Susannah Leach Ebba Hallberg | Maria Bygdell | Maria Larsson | Veronica Arthurson Magnus Gisslen | Rolf Gedeborg | Fredrik Nyberg (Sweden)

Stroke, Myocardial Infarction, and Pulmonary Embolism after COVID-19 mRNA bivalent booster in People Aged 50 Years or Older [114]

Marie-Joelle Jabagi | Marion Bertrand | Jérémie Botton Stéphane Le Vu | Jérôme Drouin | Alain Weill Rosemary Dray-Spira | Mahmoud Zureik (France)

5:45 PM

Myocarditis Associated with Sars-Cov-2 Vaccines by Dose and Brand in Three European Countries Using Large Electronic Health Care Data Sources: A Self-Controlled Risk Interval Study in the COVID-19 Vaccine Monitor Study [115] Carlos Durán | Svetlana Belitser | Sophie Bots | Fabio Riefolo Davide Messina | Rosa Gini | Patricia García-Poza Mar Martín Pérez | Juan José Carreras | Elisa Correcher-Martínez Arantxa Urchueguía | Patrick Souverein | Felipe Villalobos Judit Riera-Arnau | Anna Schultze | Ian Douglas | Olaf Klungel Miriam Sturkenboom (Netherlands)

6:00 PM

Cerebral Venous Sinus Thrombosis without Thrombocytopenia After ChAdOx1 nCoV-19 Vaccination [116]

Mi-Sook Kim | Jeong Pil Choi | Eunsil Yoon | Joongyub Lee Joung-Ho Rha (Republic of Korea)

Effect of COVID-19 Vaccination on Thromboembolic and Cardiovascular Complications Following SARS-CoV-2 Infection [117]

Núria Mercadé Besora | Annika Jödicke | Elena Roel Antonella Delmestri | Clara Prats | Daniel Prieto-Alhambra Martí Català Sabaté (Spain)

6:30 PM

Risk of Guillain-Barré Syndrome Following COVID-19 Vaccines: A Nationwide Self-Controlled Case Series Study [118]

Jérémie Botton | Stéphane Le Vu | Jérôme Drouin Marion Bertrand Marie-Joelle Jabagi | Laura Semenzato Alain Weill | Rosemary Dray-Spira | Mahmoud Zureik (France)

7:00 - 8:00 PM

ISPE SPECIAL INTEREST GROUP MEETINGS

Open to all attendees.

Adherence - MR 606

AsPEN - MR603/604

Cell & Gene Therapy - MR607

CER - MR614

Database - MR608/609

Digital Epidemiology - MR611

Drug-Drug Interaction - MR602

Drug Utilization Research (DUR) - Ballroom

Environmental Pharmacoepidemiology – MR615

Genomics & Precision Medicine --- Argyle 3

Geriatric Pharmacoepidemiology – Argyle 2

Health Equity - MR612/613

Medications in Pregnancy & Lactation – MR109

Pediatric - MR103

Rare Disease - Argyle 1

RWE Collaborative - MR202

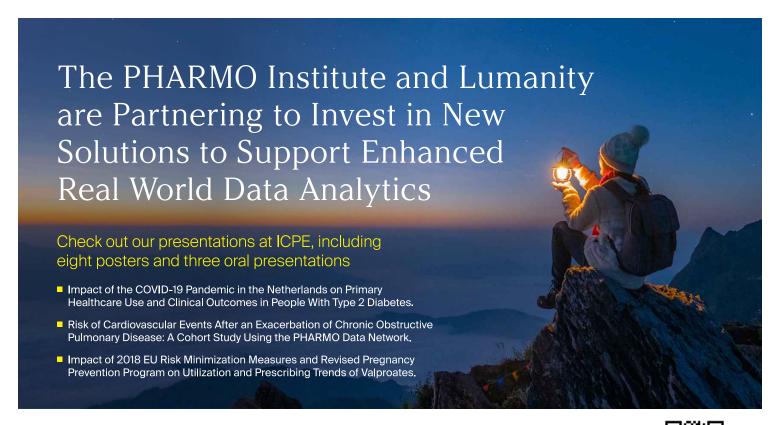
Vaccines - MR201

8:30 - 11 PM

STUDENTS/EARLY CAREER PROFESSIONALS MEET & GREET

Hosted by the ISPE Student Council

Roxbury Urban Dive Bar, Grafton Connor Downtown Complex







Working together to address global use cases in pharmacoepidemiology and HEOR to help optimize patient access to care.



CONFERENCE Program Schedule

G

7:00 AM - 6:00 PM

SPEAKER READY ROOM - MR102

Only required if you need to upload your presentation, or update/replace an already-uploaded presentation. Please complete uploads 24-hours in advance of your session.

7:00 AM - 6:00 PM

REGISTRATION – CONVENTION HALL PRE-FUNCTION

7:30 AM - 6:00 PM

LACTATION ROOM - MR505

Sponsored by EPI Excellence, LLC

7:00 - 8:00 AM

CONTINENTAL BREAKFAST - CONVENTION HALL

7:00 - 8:00 AM

ISPE REGIONAL INTEREST GROUP **MEETINGS**

Open to all attendees.

Africa - MR604

Latin America – MR612/613

7:00 - 8:00 AM

POSTER SESSION B SET-UP - CONVENTION HALL

8:00 AM - 6:00 PM

EXHIBITS / POSTER SESSION B - CONVENTION HALL

8:00 - 9:30 AM

CONCURRENT SESSIONS:

ORAL PRESENTATIONS

A Tour of Informatics:

From Prediction to Prevalence - Argyle 1

MODERATORS: Julie Lauffenburger | Rosa Gini

Breast Cancer Cohort Comparison Among Four Real-World Databases [119]

Xinvue Liu | Golnoosh Alipour Haris | Changxia Shao Mehmet Burcu | Edward Bortnichak | Sarah Markt | Thao Vo Chu-Ling Yu (United States)

8:15 AM

Comparison of EHR Data-Completeness in Patients with Different Types of Medical Insurance Coverage in the United States [120]

Priyanka Anand | Yichi Zhang | David Merola | Yinzhu Jin Shirley Wang | Joyce Lii | Jun Liu | Kueiyu Joshua Lin (United States)

Variation in Mother-Infant Linkage Rates by Jurisdiction in U.S. Medicaid Data [121]

Bradley Hammill | Michael Stagner | Judith Maro | Sarah Dutcher David Moeny | Robert Rosofsky | Daniel Kiernan | Laura Shockro Alexander Mai | Jessica Pritchard | Steven Lippmann Pratap Adhikari (United States)

8:45 AM

Developing Clinically Interpretable Machine Learning Algorithms for Pressure Injury Safety Surveillance with Explainable Al [122]

Andy Wilson | Jenny Alderden | Jace Johnny (United States)

9:00 AM

Brain Metastasis Prediction in Patients with Metastatic Breast Cancer using a U.S. Nationwide Clinico-genomic Database [123]

Yunru Huang | Tianyi Sun | Thibaut Sanglier | Chiara Lambertini Adam Knott | Yolande Du Toit | Raf Poppe | Eleonora Restuccia Sanne de Haas | Patricia Luhn (United States)

9:15 AM

Prevalence of Probable Alzheimer's Disease in Veteran Patients Based on Clinical Notes from Electronic Health Records [124]

Donald Miller | Guneet Jasuja | Byron Aguilar | Xuyang Li Ekaterina Shishova | Dan Berlowitz | Peter Morin Maureen O'Conner | Andrew Nguyen | Cindy Christiansen Raymond Zhang | Amir Abbas Tahami Monfared | Quanwu Zhang Weiming Xia (United States)

Brainstorm NS Treatments/Exposure - Argyle 2

MODERATORS: Ian Douglas | Kristian Filion

8:00 AM

Methotrexate and the Risk of Alzheimer's Disease Among U.S. Patients with Rheumatoid Arthritis [125]

Caitlin Dodd | Elsie Divinagracia | Gally Reznor | Michael Munsell (Netherlands)

8:15 AM

Association Between Gabapentinoids and the Risk of Severe Exacerbations in Patients with Chronic Obstructive Pulmonary Disease [126]

Alvi Rahman | Sophie Dell'Aniello | Erica Moodie Madeleine Durand | Janie Coulombe | Jean-François Boivin Pierre Ernst | Christel Renoux (Canada)

8:30 AM

Comparative Safety of Alprazolam Versus Other Benzodiazepines and Buspirone and Risk of Suicidal Behavior [127]

Jill Lavigne | Kwan Hur | J. John Mann | Robert Gibbons (United States)

8:45 AM

Use of Hypnotic-Sedative Medication and Risk of Falls and Fractures in Danish Adults: A Self-Controlled Time-Series Study [128]

Merete Osler | Maarten Pieter Rozing | Marie Kim Wium-Andersen Ida Kim Wium-Andersen | Terese Sara Høj Jørgensen Martin Jørgensen (Denmark)

9:00 AM

Risk of Osteoporotic Fractures in Menopausal Women with Common Mental Health Problems Using SSRI/SNRI antidepressants: Cohort Study [129]

Dana Alsugeir | Li Wei | Matthew Adesuyan | Vikram Talaulikar Ruth Brauer (Saudi Arabia)

Risk of Opioid Overdose with Concomitant Use of Oxycodone and Selective Serotonin Reuptake Inhibitors [130]

Katsiaryna Bykov | C. Andrew Basham | Nazleen Khan Seanna Vine | Heba Edrees | Julianna Mastrorilli | Brian Bateman Robert Glynn | Krista Huybrechts (United States)

Don't Lose Heart - Argyle 3

MODERATORS: Elena Rivero-Ferrer | Elizabeth Bell

8:00 AM

Signal Evaluation Using Observational Databases to Examine Methylphenidate Use and the Risk of Epistaxis [131]

David Kern | Steven Smugar | Azza Shoaibi | Patrina Muller Anthony Sena | Martijn Schuemie | James Gilbert Mitchell Conover | Patrick Ryan (United States)

8:15 AM

Statin Use and the Risk of Cancer in Patients with Heart Failure: A Target Trial Emulation [132]

Chengsheng Ju | Wallis Lau | Li Wei (United Kingdom)

8:30 AM

Sequential Safety Monitoring of Rofecoxib for Cardiovascular Adverse Effects [133]

Saad Abbasi | Lars Christian Lund | Jesper Hallas Martin Thomsen Ernst | Anton Pottegård (Denmark)

8:45 AM

Impact of Beta-Blockers on Mortality and Cardiovascular Disease Outcomes in Patients with Obstructive Sleep Apnoea: A Target Trial Emulation Study [134] Anthony Chen | Chengsheng Ju | Isla Mackenzie | Allan Struthers Li Wei | Kenneth Man (United Kingdom)

9:00 AM

Cardiovascular Safety of Ibuprofen Use for Acute Pericarditis: A Danish Population-Based Cohort Study [135]

Kasper Bonnesen | Morten Schmidt Jakob Kjølby Eika Vera Ehrenstein | Henrik Toft Sørensen (Denmark)

9:15 AM

Sclerostin Inhibition, Cardiovascular Biomarkers, Risk Factors, and Clinical Outcomes: A Mendelian Randomisation Analysis Using U.K. Biobank Data [136]

Marta Alcalde-Herraiz | Junging Xie | Danielle Newby | Clara Prats Dipender Gill | Daniel Prieto-Alhambra | Albert Prats-Uribe Martí Català Sabaté (United Kingdom)

Let Us Give it a Trial: Methods in PE – MR109

MODERATORS: Jessica Franklin | Soko Setoguchi

8:00 AM

Conditions for Unbiased Complete Case Analysis in External Control Arms: A Simulation Study [137]

Michael Webster-Clark | Jessie Edwards | Rachael Ross (Canada)

8:15 AM

Large-Scale Empirical Identification of Candidate Comparators for Pharmacoepidemiological Studies [138]

Justin Bohn | James Gilbert | Christopher Knoll | David Kern Patrick Ryan (United States)

A Meta-Analysis of Bias in Non-Small Cell Lung Cancer External Control Validation Studies Using PFS and Real-World PFS Endpoints [139]

Michael Bretscher | Sanaa Bahmane | Chris Harbron Devin Incerti (Switzerland)

8:45 AM

Evaluation of Methods for Building a Hybrid Real-World (RW) Control Arm for Baricitinib Phase IIB Randomized Controlled Trial (RCT) in Patients with Rheumatoid Arthritis (RA) [140]

Heather Litman | Oksana Pugach | Kristin Sheffield Anita Loughlin | Mingyang Shan | Douglas Faries Carla Roberts-Toler | Paul Lakin | Zhanglin Cui | Leslie Harrold (United States)

9:00 AM

A Bayesian Framework to Summarize Negative Control Outcome Models Assessing the Comparability of Patients Initiating Migraine Preventive Medications [141]

Shia Kent | David Pritchard | Sam Oh | Robert Urman Paul Muntner | Rohini Hernandez | M. Alan Brookhart (United States)

Using Negative Control Outcomes to Identify Unmeasured Confounding in a Self-Controlled Risk Interval Study Evaluating the COVID-19 Vaccine Myocarditis Safety Signal [142]

Sophie Bots | Svetlana Belitser | Carlos Durán | Judit Riera-Arnau Anna Schultze | Davide Messina | Elena Segundo | Ian Douglas Juan José Carreras | Patricia García-Poza | Rosa Gini Consuelo Huerta | Mar Martín-Perez | Ivonne Martin Olga Paoletti | Carlo Alberto Bissacco | Elisa Correcher-Martínez Patrick Souverein | Arantxa Urchueguía | Felipe Villalobos Miriam Sturkenboom | Olaf Klungel (Netherlands)

Liver and Pregnancy Research Gone Viral – MR201

MODERATORS: Emily Brouwer | Jacinthe Leclerc

8:00 AM

Comparative Effectiveness and Safety of Apixaban and Rivaroxaban in Cirrhosis and Atrial Fibrillation [143]

Kueiyu Joshua Lin | Tracey Simon | Yichi Zhang Julianna Mastrorilli | Alexander Cervone (United States)

8:15 AM

Comparative Effectiveness of Non-Selective Beta Blockers in Cirrhosis [144]

Kueiyu Joshua Lin | Tracey Simon | Yichi Zhang Julianna Mastrorilli | Alexander Cervone (United States)

8:30 AM

Sodium-Glucose Cotransporter-2 Inhibitors and Risk of Hepatocellular Carcinoma Among Patients with Type 2 Diabetes: A Population-Based Cohort Study [145] Sungho Bea | Han Eol Jeong | Yunha Noh | Sohee Park Dong Hyun Sinn | Jae Hyeon Kim | Oriana Yu | Laurent Azoulay

8:45 AM

Ju-Young Shin (Republic of Korea)

Association of Oral Direct-Acting Antiviral Therapy with Development of Parkinson's Disease in Patients with Chronic Hepatitis Virus [146]

Pilar Hernandez-Con | Raj Desai | Haesuk Park (United States)

Comparative Effectiveness of the Levonorgestrel (LNG) Implant and Depot Medroxyprogesterone Acetate (DMPA) Injectable for Prevention of Pregnancy Among Women Living with HIV on Efavirenz [147]

Katie Mollan | Daniel Westreich | Brian Pence | Agatha Bula Clara Lemani | John Chapola | Jennifer Winston | Karen Diepstra Jill Hagey | Sam Phiri | Jane Chiwoko | Mina Hosseinipour Michael Hudgens | Mackenzie Cottrell | Jennifer Tang (United States)

9:15 AM

Treating Genital Herpes Infection During Pregnancy to Reduce the Risk of Preeclampsia: A Prospective Cohort Study of more than 89,000 Pregnant Women [148]

De-Kun Li | Jeannette Ferber (United States)

With Whom Do We Compare? – MR202

MODERATORS: Stanley Edlavitch | Anick Bérard

8:00 AM

Case Validation in Electronic Health Records linked with a Disease-Specific Clinical Database: Use Case in Pulmonary Arterial Hypertension [149]

Eva-Maria Didden | Di Lu | Haley Hedlin | Andrew Hsi Monika Brand | Roham Zamanian (Switzerland)

8:15 AM

Does Misclassification Due to Electronic Health Record Discontinuity Cause Biased Effect Estimates in Comparative Effectiveness Research? [150]

Yinzhu Jin | Richard Wyss | Shirley Wang | Rishi Desai Kueiyu Joshua Lin (United States)

8:30 AM

International Classification of Diseases (ICD-10) Code Identification of Lab-Confirmed SARS-CoV-2 within Electronic Health Data [151]

Sasha Bernatsky | Marina Birck | Autumn Neville | Louise Pilote Erik Youngson | James King | Anick Bérard | Sherif Eltonsy Cristiano Moura *(Canada)*

8:45 AM

Using Tree-Based Scan Statistics for Signal Identification: Screening for Elevated Congenital Malformation Risk Following Prenatal Antipsychotic Exposure [152]

Loreen Straub | Shirley Wang | Sonia Hernandez-Diaz Seanna Vine | Massimiliano Russo | Brian Bateman | Yanmin Zhu Krista Huybrechts *(United States)*

9:00 AM

How to Underpower Your Real-World Data Study: Examples and Ways to Avoid Them Using Quantitative Bias Analysis [153]

Sudhir Venkatesan | Christen Gray (United Kingdom)

9:15 AM

A Methodology Study to Evaluate External Comparator Arm Study Results Versus Randomised Controlled Trial Results: Metastatic Hormone-Sensitive Prostate Cancer Case Study [154]

Wilhelmina Hoogendoorn | Héctor Sanz | Chantal Quinten Joan Largent | Gerd Rippin (Netherlands)

9:30 - 10:00 AM

BREAK / POSTERS / EXHIBITS - CONVENTION HALL

10:00 - 11:30 AM

PLENARY SESSION

Patient Involvement in the Development and Safe Use of Medicines – *Ballroom*

Regional authorities worldwide have called for greater patient involvement in the development and safe use of medicines, including:

- IMI-Prefer (EU) for obtaining patient preferences in medical product decision making
- U.S. FDA Patient-Focused Drug Development (PDUFA VII Commitment) for capturing meaningful incorporation of patient voice into drug development and evaluation
- EMA Good Pharmacovigilance Practice (GVP Module XVI, Rev 3) for patient engagement concerning additional risk minimization measures, including selection of tools and effectiveness indicators.

The 2022 Report from the Working Group XI Council for International Organizations of Medical Sciences (CIOMS) advanced the global importance of systematically involving patients throughout a medicine's life – from its early development through the regulatory process to ongoing monitoring and safe use in everyday healthcare.

ISPE member feedback indicates interest in simple, pragmatic approaches for engaging patients in routine drug safety research and emerging regulatory and scientific guidance.

Priya Bahri, PhD, RPh

Senior Lead

(Pharmacovigilance and Risk Management Guidance and Policy), European Medicines Agency

Stella Blackburn, MB BS, MA, MSc, FRCP (Edin) FISPE, FFPM, DLSHTM, Dip Pharm Med

Vice President.

Global Head of Early Access and Risk Management, RWES, IQVIA

Michael Wolf, PhD, MPH

Associate Vice Chair for Research, Institute for Public Health and Medicine

MODERATOR

Elaine Morrato, DrPH, MPH, FISPE

Dean and Professor,

Parkinson School of Health Sciences and Public Health, Loyola University Chicago

11:30 AM - 1:00 PM

LUNCH – BALLROOM

11:30 AM - 1:00 PM

POSTER SESSION B / EXHIBITS - CONVENTION HALL



RWE solutions backed by principled epidemiology

From your first hypothesis to a secondary indication and long-term safety-monitoring, Aetion's software and services advance and systemize the science of real-world evidence. Working with the world's life sciences developers, regulators, and payers - we recognize, demonstrate, and disseminate how medical innovations work.

To find out more about how Aetion can help you with your most critical safety decisions, visit us at Booth 801.



www.aetion.com sales@aetion.com



11:30 AM - 1:00 PM

ISPE COMMITTEE MEETINGS

Open to all attendees; lunch available

Global Development - MR604

Education - MR605

Sustainability - MR612/613

11:45 AM - 12:45 PM

SPOTLIGHT POSTER SESSION B

CONVENTION HALL

Adherence

ASPEN

Biologics

BRACE

Cancer

Cell & Gene Therapy

Comparative Effectiveness Research

1:00 - 2:30 PM

LIGHTNING FORUM SESSION 2

ARGYLE 1

Equity

MODERATORS

Mary Beth Ritchey | Leo Russo

1:00 PM

Genetic Variants and Social Benefit Use in Premenopausal Breast Cancer Patients Treated with Docetaxel: A Danish Population-Based Cohort Study [155]

Julie Schmidt | Cathrine Hjorth | Dóra Farkas | Per Damkier Søren Feddersen | Stephen Hamilton-Dutoit | Bent Ejlertsen Timothy Lash | Henrik Toft Sørensen | Deirdre Cronin-Fenton (Denmark)

1:05 PM

Structural Racism and Inequities in Real-World Treatment and Survival Among Patients with Four Solid-Tumor Cancers [156]

Harlan Pittell | Jenny Guadamuz | Amy Pierre | Cleo Ryals Gregory Calip (United States)

1:10 PM

Patient Diversity and Personalized Treatment of Non-Small Cell Lung Cancer [157]

Carla Vossen | Jessica Albano (Netherlands)

1:15 PM

Pharmacist Prescribing in Nova Scotia:
Uptake and Adaptation to Policy-Related Changes [158]
Jennifer Isenor | Amy Grant | Alice Bruce | Judith Fisher
Katelyn Frizzell | Elizabeth Jeffers | Rebecca Lawrence | Lihui Liu
Andrea Murphy | Ingrid Sketris | Samuel Stewart
Shanna Trenaman | Lisa Woodill (Canada)

1:20 PM

Equity Panel Discussion

Target Trials/Causal

MODERATORS

Robert Platt | Mary Beth Ritchey

1:30 PM

Emulated Target Trial Assessing the Effect of Empiric Potassium Supplementation on All-Cause Mortality Among Furosemide Initiators [159]

Todd Miano | Thanh Phuong Pham Nguyen | Sean Hennessy Colleen Brensinger | Warren Bilker | Laura Dember | Allison Willis Charles Leonard (United States)

1:35 PM

Effects of SGLT2 Inhibitors on Anemia in Patients with Diabetes and Chronic Kidney Disease: A Population-Based Cohort Study Using Target Trial Emulation Framework [160]

Jia-Chian Hu | Shih-Chieh Shao | Daniel Hsiang-Te Tsai Albert Tzu-Ming Chuang | Kuan-Hung Liu Edward Chia-Cheng Lai *(Taiwan)*

1:40 PM

Risk of Stroke with Various Types of Menopausal Hormone Therapy: A Swedish Nationwide Register-Based Emulated Target Trial [161]

Therese Johansson | Philip Fowler | Alkistis Skalkidou Weronica Ek | Torqny Karlsson | Åsa Johansson *(Sweden)*

1:45 PM

A Causal Inference Approach to Evaluate the Effect of Comprehensive Medication Reviews on All-Cause Mortality Among Medicare Beneficiaries [162]

Daniela Moga | Ximena Gonzalez | Erin Abner Anna Kucharska-Newton | Patricia Freeman David Fardo (United States)

1:50 PM

Target Trials/Causal Panel Discussion

Vaccines-COVID

MODERATORS

Jessica Jalbert | Mary Beth Ritchey

The EU Vaccine Monitoring Platform: A New Framework Leveraging European Union Pharmacoepidemiological Expertise and Data Sources to Monitor the Effectiveness and Safety of Vaccines [163]

Catherine Cohet | Luca Giraldi | Manuela Mura | Lorna Leal Kate Olsson | Karam Adel | Kim Brolin | Piotr Kramarz Sabrina Bacci | Marco Cavaleri | Karl Ekdahl Peter Arlett (Netherlands)

VAC4EU Study Tracking Post-Authorization Safety of mRNA-1273 in Five European Countries:

How to Overcome the Methodological Challenges [164]

Brianna Goodale | Wout Aarts | Jungyeon Choi | Debabrata Roy Catherine Fry | Samantha Lane | Rosa Gini | Anna Girardi Olga Paoletti | Felipe Villalobos | Carlo Alberto Bissacco Elena Segundo | Angela Lupattelli | Jing Zhao | Daniel Weibel Daina Esposito | David Martin | Samantha St. Laurent Magalie Emilebacker | Vera Ehrenstein | Signe Sørup (Netherlands)

The Contribution of Immunization Information System Data to Claims-Based Vaccine Administration Capture Over Time and Implications for Claims-Based COVID-19 Vaccine Studies [165]

Lauren Peetluk | Michael Wilkinson | Alexandra Stone Tainya Clarke | Wafa Tarazi | Grace Yang | Patricia Lloyd Hui-Lee Wong | Azadeh Shoaibi | Richard Forshee Steven Anderson | Kandace Amend | John Seeger Elizabeth Bell (United States)

2:15 PM

Interpretating Relative Vaccine Effectiveness: Challenges and Real Examples from the REFORCO-Brazil Study on COVID-19 Vaccines [166]

Sylvia Taylor | Wilhelmine Meeraus | Christen Gray Eduardo Conde-Sousa | Andrew Lee | Abigail Postema Andre Santa Maria | Bárbara Emoingt Furtado | Claudia Corte Mario Ouwens (United Kingdom)

2:20 PM

Vaccines-COVID Panel Discussion

1:00 - 2:30 PM

CONCURRENT SESSIONS:

ORAL PRESENTATIONS

Risky Business... - Argyle 2

MODERATORS: Alys Havard | Leyla Sahin

Benzodiazepine Use Early in Pregnancy and Risk of Congenital Malformations [167]

Ayesha Sujan | Brian Bateman | Loreen Straub Sonia Hernandez-Diaz | Yanmin Zhu | Gregory Brill Krista Huybrechts (United States)

1:15 PM

Risk of Preterm Birth Associated with ADHD Medication Use in Pregnancy [168]

Chaitra Srinivas | Øystein Karlstad | Hein Stigum | Kari Furu Carolyn Cesta | Johan Reutfors | Jennifer Hutcheon Jacqueline Cohen (Norway)

1:30 PM

Prenatal Exposure to Selective Serotonin Reuptake Inhibitors and Risk of Disorders of Gut-Brain Interaction in the Offspring [169]

Helene Kildegaard | Mette Bliddal | Martin Thomsen Ernst Rikke Wesselhoeft | Anton Pottegård | Kara Margolis Ardesheer Talati (Denmark)

1:45 PM

Antiseizure Medication During Pregnancy and Offspring Neurodevelopmental Outcomes: A Study of Two Cohorts from the U.K. and Sweden [170]

Viktor Ahlqvist | Paul Madley-Dowd | Harriet Forbes | Jessica Rast Caichen Zhong | Michael Lundberg | Ciarrah-Jane Barry Florence Martin | Lars Torbjorn Tomson | Daniel Berglind Neil Davies | Kristen Lyall | Dheeraj Rai | Cecilia Magnusson Brian Lee (Sweden)

2:00 PM

Comparing Long-Term Neurodevelopmental Outcomes in Children with Prenatal Exposure to Buprenorphine and Methadone: A Population-based Study [171]

Mennatullah Hasan | Todd Brothers | Kristina Ward Xuerong Wen (United States)

2:15 PM

Fetal and Early Life Exposure to Antibiotics and the Risk of Neurodevelopmental Disorders: A Nationwide Population-Based Cohort Study with Sibling Analysis [172]

Ahhyung Choi | Hyesung Lee | Han Eol Jeong Ju-Young Shin (South Korea)

Safety in Numbers: A Potpourri – Argyle 3

MODERATORS: Antonios Douros | Tania Schink

1:00 PM

Use of Proton Pump Inhibitors and Risk of Severe COVID-19: A Case-Control Study in U.S. Medicare Beneficiaries [173]

Michael Wernecke | Andrew Mosholder | Hector Izurieta Rongmei Zhang | Shanlai Shangguan | Yun Lu Sandia Akhtar Jiwei He | Yoganand Chillarige | Yuhui Feng Armen Avagyan | Kira Leishear | Richard Forshee Thomas MaCurdy | Jeffery Kelman | David Graham (United States)

1:15 PM

The Risk of Acute Transverse Myelitis after COVID-19 Vaccination: Self-Controlled Case Series Study [174]

Eunsun Lim | Yoo Hwan Kim | Na-Young Jeong | Jong-Seok Bae Nam-Kyong Choi (Republic of Korea)

1:30 PM

Comparative Safety of Antibiotics for the Treatment of Outpatient Community-Acquired Pneumonia [175]

Anne Butler | Katelin Nickel | John Sahrmann | Margaret Olsen Elizabeth Neuner | Michael Durkin (United States)

1:45 PM

Comparative Risk of Hepatitis C Virus Infection in Patients with Rheumatoid Arthritis Receiving Target-Synthetic Disease-Modified Anti-Rheumatic Drugs (tsDMARDs) Vs. Biological DMARDs (bDMARDs): A Population-Based Study [176]

Albert Tzu-Ming Chuang | Chih-Ying Tsai | Hsun-Yin Liang Chih-Wan Lin | Wei-I Huang | Pi-Hui Chao | Wen-Wen Chen Meng-Yu Weng | Edward Chia-Cheng Lai (Taiwan)

Potential Drug-Drug Interactions Among U.S. Adults Treated with Nirmatrelvir/Ritonavir (Paxlovid): A Cross-sectional Study of the National COVID Cohort Collaborative (N3C) [177]

Xuya (Rayna) Xiao | Hemalkumar Mehta | Jill Curran Brian Garibaldi | G. Caleb Alexander (United States)

Real-World Data to Evaluate Severe Acute Liver Injury After Outpatient Initiation of Potentially Hepatotoxic Medications: A Series of Nationwide Cohort Studies [178]

Vincent Lo Re | Jessie Torgersen | Alyssa Mezochow Craig Newcomb | Dena Carbonari | Sean Hennessy Christopher Rentsch | Lesley Park | Janet Tate | Norbert Bräu Debika Bhattacharya | Joseph Lim | Jason Roy | Tamar Taddei Amy Justice (United States)

The "Sea" of Cancer – MR109

MODERATORS: Donna Rivera | Tzuyung Douglas Kou

1:00 PM

Trajectories of Antidepressant Adherence Before Tamoxifen Initiation Among U.S. Women with Breast Cancer [179] Oluwadamilola Onasanya | Susan dosReis | Udim Damachi Eberechukwu Onukwugha | Zafar Zafari | Paula Rosenblatt Wendy Camelo Castillo (United States)

The Association Between Pre-Existing Type 2 Diabetes on Breast Cancer-Related and Overall Mortality Among Women with Breast Cancer [180]

Kristina Parsons | Hui Yin | Oriana Yu | Farzin Khosrow-Khavar Laurent Azoulay (Canada)

1:30 PM

Risk of Childhood Leukemia and Lymphoma after In-utero Exposure to Maternal Diabetes and Antidiabetics – A Nordic Population-Based Study [181]

Maarit Leinonen | Laura Seppälä | Justine Benevent Marie Hargreave | Caroline Hemmingsen | Sarah Hjorth Susanne Kjaer | Lina Mørch | Ulrika Nörby Hedvig Nordeng (Finland)

1:45 PM

Incidence of Second Primary Malignancies (SPMs) in Patients in the U.S. with Triple-Class-Exposed (TCE) Relapsed or Refractory Multiple Myeloma (RRMM) [182] Wenzhen Ge | Alexi Archambault | Thomas Delea Karen Rodriguez Lorenc | James Harnett | Aaron Moynahan

Derek Weycker | Yariv Houvras | Glenn Kroog | Ning Wu Christian Hampp | Qiufei Ma | Sikander Ailawadhi (United States)

Maintenance Proton Pump Inhibitor Usage and Risk of Colorectal Cancer: A Population-Based Swedish Cohort Study [183]

Qing Liu | Xinchen Wang | Lars Engstrand | Omid Sadr-Azodi Katja Fall | Nele Brusselaers (China)

2:15 PM

Multiple Models to Evaluate the Prognostic Factors of Disease Progression After R0 Esophagectomy for Chinese Patients with Squamous Cell Carcinoma [184]

Qingqing Hu | Yuqin Cao | Yuan Zhou | Chengqiang Li Yajie Zhang | Yongjing Zhang | Hong Qiu | Hecheng Li (China)

Vaccines: Boosting Confidence – MR201

MODERATORS: Priscilla Velentgas | Leah McGrath

1:00 PM

Effectiveness of BNT162b2 COVID-19 Vaccine in U.S. Children Aged 5-17 Years [185]

Rachel Ogilvie | J. Bradley Layton | Hui-Lee Wong | Yixin Jiao Ron Parambi | Jie Deng | Michael Miller | Jennifer Song Patricia Lloyd | Lisa Weatherby | Lauren Peetluk | Elizabeth Bell Grace Yang | Kandace Amend | Alison Kawai | An-Chi Lo Kathryn Matuska | Michael Wernecke | Joann Gruber Tainya Clarke | Richard Forshee | Steven Anderson Mary Anthony | Yoganand Chillarige | John Seeger Azadeh Shoaibi (United States)

1:15 PM

Short-Term Effectiveness of Bivalent COVID-19 mRNA Booster Vaccinations in the Veterans Health Administration Using Self-Controlled Risk Interval and Test-Negative Case-Control Designs [186]

Caroline Korves | Hector Izurieta | Abirami Balajee | Gabrielle Zwain Jeremy Smith | David Graham | Yinong Young-Xu (United States)

1:30 PM

COVID-19 Vaccine Effectiveness Against Post COVID-19 Condition – A Register-Based Cohort Study Among 589,722 Individuals In Sweden [187]

Lisa Lundberg | Susannah Leach | Yiyi Xu | Jari Martikainen Ailiana Santosa | Magnus Gisslen | Huiqi Li | Fredrik Nyberg Maria Bygdell (Sweden)

Risk of Breakthrough SARS-CoV-2 Infection and Clinical Outcomes Among Patients with Type 2 Diabetes [188]

Sungho Bea | Ahhyung Choi | Jae Hyeon Kim | Young Min Cho Won Suk Choi | Jaehun Jung | Ju-Young Shin (Republic of Korea)

2:00 PM

Associations Between HLA Variations and Serological Response to COVID-19 vaccination: An Analysis of U.K. Biobank Antibody Survey Data [189] Junging Xie | Beatriz Mothe | Daniel Prieto-Alhambra (United Kingdom)

2:15 PM

The Impact of HLA-DQB1*06 alleles on COVID-19 Vaccine Effectiveness: An Analysis of SARS-CoV-2 Antibodies and Breakthrough Infections Based on U.K. Biobank [190] Junging Xie | Beatriz Mothe | Daniel Prieto-Alhambra (United Kingdom)

Drug Safety in Diabetes - MR202

MODERATORS: Almut Winterstein | Christian Hampp

1:00 PM

Sodium-Glucose Cotransporter 2 Inhibitors and Risk of Fractures in Postmenopausal Women with Type 2 Diabetes: A Nationwide Cohort Study [191]

Hwa Yeon Ko | Sungho Bea | Han Eol Jeong | Sohee Park Ju-Young Shin (Republic of Korea)

1:15 PM

Risk of Acute Pancreatitis Among New Users of Empagliflozin Compared to Sulfonylureas in Patients with Type 2 Diabetes: A Post-Authorization Safety Study [192] Soulmaz Fazeli Farsani | Kristy Iglay | Ling Zhang Christian Niyonkuru | Laurieann Nessralla | Cynthia Girman

(Germany)

Insulin Use in Type 2 Diabetes and the Risk of Dementia: A Comparative Population-Based Cohort Study [193] Wajd Alkabbani | Colleen Maxwell | Ruth Ann Marrie Suzanne Tyas | Iliana Lega | John-Michael Gamble (Canada)

1:45 PM

Fluoroguinolones and the Risk of Severe Hypoglycemia Among Sulfonylurea Users [194]

Dimakos Jenny | Ying Cui | Kristian Filion | Christel Renoux Robert Platt | Antonios Douros (Canada)

2:00 PM

Dipeptidyl Peptidase-4 Inhibitors and the Risk of Biliary Tract Diseases Among Patients with Type 2 Diabetes [195] Samantha Shapiro | Hui Yin | Oriana Yu | Laurent Azoulay (Canada)

Ambient Heat, Exogenous Insulin, and Risk of Hypoglycemia Among Older Medicare Beneficiaries with Diabetes [196] Aayush Visaria | Soko Setoguchi (United States)

2:40 - 3:50 PM

ANNUAL MEETING OF ISPE MEMBERS & AWARDS CEREMONY

BALLROOM

Call to Order & President's Address

Tobias Gerhard, FISPE, ISPE President

Financial Report

Caitlin Knox, FISPE, Vice President/Finance

Strategic Plan 2020-2024 Update

Lisa Pont, FISPE, Chair, Strategic Planning Committee

New Business

Awards Ceremony

ISPE Board Transition

RETIRING BOARD MEMBERS & OFFICERS

Vincent Lo Re, FISPE | Tomoko Kobayashi Montserrat Soriano Gabarro, FISPE | Shirley Wang, FISPE

INDUCTION OF NEW & RE-ELECTED DIRECTORS

Keiko Asao, Industry/Service Provider (Asia/Pacific)

Marianne Cunnington, Industry/Service Provider (Europe/Africa)

Mette Norgaard, Academic (Europe/Africa)

Elisabetta Patorno, FISPE, Academic (Americas)

Jeremy Rassen, FISPE, Industry/Service Provider (Americas)

INSTALLATION OF 2023-2024 OFFICERS

Lisa Pont, FISPE, President

Caitlin Knox, FISPE, Vice President/Finance

Jennifer Christian, FISPE, Vice President/Finance-Elect

Tobias Gerhard, FISPE, Immediate Past President

Mary Beth Ritchey, FISPE, President-Elect

Passing of the Gavel

A better way to optimize real-world evidence

Don't miss our ICPE symposium

'Developing Code Lists for Pharmacoepidemiology: The How and Why?' 10:30 ADT, Friday 25 Aug.

Supporting your evidence needs with scientific rigor and fit-for-purpose data.

Where some providers are limited by the datasets they use, our data-agnostic approach means we consider the best available data to develop impactful evidence.

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- > Comparative effectiveness and safety studies
- > External control arms and label expansions
- Drug utilization and treatment patterns
- > Fit-for-purpose data assessments
- > RWE dashboards and visualizations
- Post-marketing requirements, commitments, and PASS
- > Systematic literature reviews and meta-analyses
- > RWE regulatory strategy

Scan to
Arrange a
meeting



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3:50 - 4:15 PM

BREAK / POSTERS / EXHIBITS - CONVENTION HALL

4:15 - 5:45 PM

CONCURRENT SESSIONS

SYMPOSIA & WORKSHOPS

Jennifer Lund | Elisabetta Patorno

Building Consensus on RWE Evaluation: Standardized Tool for Assessing Validity in RWE Studies of Medication Safety and Effectiveness [197] - Argyle 1 Katsiarvna Bykov | Jessica Franklin | Cynthia Girman

From Classic to Cutting Edge: Addressing Data Quality Challenges in Electronic Health Record Data [198] – Argyle 2

Michele Jonsson Funk | Hythem Sidky Anne-Marie Meyer | Jennifer Fusco

Person-generated Health Data: Is Pharmacoepidemiology Ready for this New Frontier? [199] - Argyle 3

Darmendra Ramcharran | Mary Beth Ritchey | Paul Coplan Robert Platt | Will Dixon

Sharing is Caring? A Symposium on Code Sharing in Pharmacoepidemiology [200] - MR201

Anna Schultze | John Tazare | Katherine Donegan Sebastian Schneeweiss | Rosa Gini | Ian Douglas Daniel Prieto-Alhambra | Shirley Wang | Caroline Morton John Logie | Jennifer Popovic | Daniel Morales Leaver

Translating Real-World Evidence and Other Pharmacoepidemiological Research Findings into Policy and Clinical Practice: How Well are We Doing and What are the Opportunities for Improvement? [201] - MR202 Meredith Smith | Vincent Lo Re | Donna Rivera | Tobias Gerhard



6:00 - 7:00 PM ISPE COUNCIL MEETINGS

Open to all attendees.

Industry/Service Provider - Argyle 2 Student - MR612/613

7:00 - 11:00 PM Social Evening at the Grafton Connor **Downtown Complex**

SUNDAY, AUGUST 27

7:00 AM - 3:30 PM

SPEAKER READY ROOM – MR102

Only required if you need to upload your presentation, or update/replace an already-uploaded presentation. Please complete uploads 24-hours in advance of your session.

7:00 AM - 4:30 PM

REGISTRATION - CONVENTION HALL PRE-FUNCTION

7:30 AM - 4:30 PM

LACTATION ROOM - MR505

Sponsored by EPI Excellence, LLC

7:15 - 8:15 AM

2024 SCIENTIFIC PROGRAM COMMITTEE - MR605

Open to all attendees.

7:00 - 8:00 AM

CONTINENTAL BREAKFAST - CONVENTION HALL

7:00 - 8:00 AM

POSTER SESSION C SET-UP - CONVENTION HALL

7:00 - 8:00 AM

ISPE SPECIAL INTEREST GROUP MEETINGS

Open to all attendees.

Cancer – Argyle 1

Environmental Pharmacoepidemiology – MR201

8:00 AM - 1:30 PM

EXHIBITS / POSTER SESSION C - CONVENTION HALL

8:30 - 10:00 AM

CONCURRENT SESSIONS:

ORAL PRESENTATIONS

Beyond the Beaver Tail in Clinical Epidemiology – *Argyle 1*

MODERATORS: Vincent Lo Re | Patrice Verpillat

8:30 AM

Association between Dietary Supplement Use and Mortality Among U.S. Adults with Diabetes: A Longitudinal Cohort Study [202]

Rong Hua | Chun Sing Lam | Natural Chu | Aimin Yang Elaine Chow | Yin Ting Cheung (Hong Kong)

8:45 AM

Frequency of Vaso-Occlusive Crises Among Patients with Severe Sickle Cell Disease Receiving Standard-of-Care Treatment [203]

Katherine Ender | Lina Titievsky | Janna Manjelievskaia Daoyuan Shi Timothy Lillehaugen | Timothy Beukelman (*United States*)

9:00 AM

Sickle Cell Disease Acute Event Frequencies in the United States – A Retrospective Cohort Study Using Optum Electronic Health Records [204]

Xunming Sun | Yun Gu | Steven Arkin | Stephen Schachterle Xiaofeng Zhou | Thomas Edwards | Shannon Marraffino (United States)

9:15 AM

Likelihood of Antimicrobial Resistance in Urinary E. coli Isolates Comparing Female Patients with Recurrent Versus Non-recurrent Uncomplicated Urinary Tract Infection in the United States [205]

Fanny Mitrani-Gold | Debra Fromer | Wendy Cheng | Chi Gao Malena Mahendran | Annalise Hilts | Mei Sheng Duh | Ashish Joshi Aruni Mulgirigama (United States)

9:30 AM

Risk of Cardiovascular Events After an Exacerbation of Chronic Obstructive Pulmonary Disease:
A Cohort Study Using the PHARMO Data Network [206]

Karin Swart | Brenda Baak | Louise Lemmens Fernie Penning-van Beest | Camilla Bengtsson | Muriel Lobier Fabian Hoti | Dina Vojinovic | Lindy van Burk | Kirsty Rhodes Sami Simons | Clementine Nordon | Ron Herings (Netherlands)

9:45 AM

Trends in Prescribing Preferences for Anticoagulants Among Non-Valvular Atrial Fibrillation Patients in the U.K. with and without Chronic Kidney Disease, 2010-2020 [207]

Julia Liaw | Chintan Dave | Deborah Liaw (United States)

Pharmacoepi Toolbox for Confounding Control - Argyle 2

MODERATORS: Jesper Hallas | Sophie Bots

Principled Approaches to Handle Partially Observed Confounder Data from Electronic Health Records: A Plasmode Simulation Study [208]

Janick Weberpals | Sudha Raman | Pamela Shaw | Hana Lee Bradley Hammill | Darren Toh | John Connolly | Kimberly Dandreo Luke Zabotka | Fang Tian | Wei Liu | Jie Li José Hernández-Muñoz | Robert Glynn | Rishi Desai (United States)

8:45 AM

Accounting for Treatment Switching by Pairwise Censoring: Is This Needed, Sufficient to Mitigate Attrition Bias, or Should More Advanced Methodology Be Used? [209] Sudhir Venkatesan | Jonatan Hedberg | Carla Talarico

9:00 AM

Mario Ouwens (United Kingdom)

Orthogonalized Regression for Causal Inference: A Pharmacoepidemiologist's Dream? [210]

Nuvan Rathnayaka | Kathleen Hurwitz (United States)

9:15 AM

Use of Standardization to Increase the Precision of Site-Specific Estimates in Multi-Site Studies and Distributed Networks [211]

Michael Webster-Clark | Kristian Filion | Robert Platt (Canada)

Nonparametric Assignment of Stratum Membership to Achieve Covariate Balance in Small Cohorts [212] Alec Walker | Massimiliano Russo | Maria Schneeweiss (United States)

Using Inverse Odds Weights to Separate Modification from Better Confounding Control When Restricting on Covariates [213]

Michael Webster-Clark | Jennifer Lund | Qoua Her | Charles Poole Kenneth Rothman | Robert Glynn | Til Stürmer (Canada)

Pharmacovigilance: Follow the Evidence – Argyle 3

MODERATORS: Nelson Pace | Caitlin Knox

8:30 AM

On the Use of Different Reference Sets in Data Mining Spontaneous Reports for Pharmacovigilance [214] Christopher Gravel | Antonios Douros (Canada)

8:45 AM

Statistical Outlier Detection to Identify Uncoded High-Dose Case Reports in VigiBase for Medication Error Signals [215]

Eva-Lisa Meldau | Alem Zekarias | Sara Hedfors Vidlin Ingrid Lönnstedt | Ghita Benabdallah | Loubna Ali Houda Sefiani (Sweden)

9:00 AM

Development and Evaluation of Phenotype Algorithms for the European Medicines Agency Designated Medical Events in a Network of Real-World Data [216]

Azza Shoaibi | Gowtham Rao | Joel Swerdel | Ruth Namuyinga Santhi Mantravadi | Brigitte Schaufelberger | Nancy Parker Eva De la Torre | Susan Sabol | Evan Minty | Dmytro Dymshyts Amy Purrington | Patrick Ryan (United States)

9:15 AM

Application of New Signal Detection Methods to EUROmediCAT Data: Bayesian Confidence Propagation Neural Network-Biclustering (BCPNN-Bic) and BCPNN-Bicluster-Bayesian Hierarchical Modelling (BBBHM) [217] Hannah Johnson | Joan Morris (United Kingdom)

Signal Detection Using Longitudinal Healthcare Claims Data: A Pilot Study Using Lantus As Case Drug [218] Lockwood Taylor | Marie-Laure Kürzinger | Ruben Hermans Bernadette Dwan | Priyanka Chhikara | Xinyu Li Sreenivas Thummisetti | Sandrine Colas | Marielle Duverne Juhaeri Juhaeri (United States)

Investigating Potential Differences in the Safety Profiles of Biosimilars relative to Originator Products using a Tree-Based Scan Statistic [219]

José Hernández-Muñoz | Mallika Mundkur | Monica Munoz Qin Ryan | Rosanna Setse | Sarah Dutcher | Meredith Epperson Laura Hou | James Marshall | Elizabeth Sirasonian | Emma Whited Michael Blum | Judith Maro (United States)

Mapping the Road to Health Equity/Equality – MR109

MODERATORS: Macarius Donneyong | Eileen Ming

8:30 AM

Disparities in the Uptake of Newer Second-Line Antidiabetic Therapies Among Medicare Beneficiaries [220]

Chintan Dave | Eric Wang | Elisabetta Patorno Stephen Crystal (United States)

8:45 AM

Socioeconomic Position and Adherence to Adjuvant Endocrine Therapy in Premenopausal Breast Cancer Patients – A Danish Population-Based Cohort Study [221]

Julie Schmidt | Kirsten Woolpert | Cathrine Hjorth | Dóra Farkas Bent Ejlertsen | Henrik Toft Sørensen | Deirdre Cronin-Fenton (Denmark)

9:00 AM

A Pan-Formulary Analysis of the Association Between Community Pharmacy Dispensations with Local Area-Level Deprivation in England [222]

Florence Ma | Natalie Tikhonovsky | Danielle Robinson Jonathan Pearson-Stuttard | Benjamin Bray (United Kingdom)

8:30 AM

Regional Deprivation and Stocking of Meningococcal Vaccines in the United States: Does Locati on Matter? [223] Christopher Prener | Eva Jodar | Jessica Presa | Sarah Willis

9:30 AM

Katharina Schley (United States)

Racial Disparities in Paxlovid Use Treating for High Risk COVID-19 Patients – A Large Population Based Study Using U.S. Claim Data [224]

Xiaofeng Zhou | Ling Li | Scott Kelly | Heidi Leister-Tebbe Steven Terra | Rongjun Shen | Mark Cullen | Michael Gaffney Leo Russo (United States)

9:45 AM

Mediators of Racial/Ethnic Inequities in Clinical Trial Participation Among U.S. Patients with Cancer, 2011-2022 [225]

Gregory Calip | Jenny Guadamuz | Xiaoliang Wang lvy Altomare (United States)

Self-Controlled and Other Methods Stuff – MR201

MODERATORS: Olaf Klungel | Hiraku Kumamaru

8:30 AM

Hypersensitivity of Self-Controlled Designs Towards Exposure Misclassification When There is Abundant Chronic Use – A Simulation Study [226]

Jesper Hallasl | Malcolm Maclurel | Suzanne Cadarette Joseph Delaneyl | Heather Whitakerl | Nicole Pratt Lars Christian Lund *(Denmark)*

8:45 AM

Real World Evidence BRIDGE (BRing Intelligence about Data to Generation of Evidence): A Method to Connect Protocol with Programming Practice [227]

Albert Cid-Royol | Roel Elbersl | Ema Alsinal | Vjola Hoxhaj Contanza Andaur Navarrol | Fariba Ahmadizarl | Carlos Durán Daniel Weibell | Rosa Ginil | Miriam Sturkenboom Tiago Andres Vaz (Netherlands)

9:00 AM

Diagnosing Informative Left Truncation Due to Delayed Cohort Entry in Clinico-Genomic Real-World Data [228] Jonas Walheiml | Nives Rombinil | Kim Van Naarden Braun (Switzerland)

9:15 AM

An Analytic Method to Weight Longitudinal Treatment Patterns for Visualization with Sankey Diagrams [229]

Catherine Wienerl | M. Alan Brookhart (United States)

9:30 AM

Adjusting for Unmeasured Confounding Bias in the Statin Treatment OPtions During Vaccination Against Flu (STOPFlu) Study: An Application of the Prior Event Rate Ratio Pairwise Method [230]

Adam Streeterl | William Henley (Germany)

9:45 AM

Is the Sequence Ratio an Unbiased Estimate of the Incidence Rate Ratio? A Simulation Study [231]

Lars Christian Lundl | Thomas Delvinl | Sofie Egsgaard Helene Kildegaardl | Martin Torp Rahbek (Denmark)

Tracking Trends Around The World – MR202

MODERATORS: Jason Simeone | Gabriel Sanfelix

8:30 AM

Gabapentinoid Consumption In 65 Countries and Regions From 2008 to 2018: A Longitudinal Study [232]

Siu Chung | Andrew Yuen | Adrienne Chan | Wallis Lau Li Wei | Kenneth Man (Hong Kong)

8:45 AM

Is Zolpidem Still the Top Medication Used for Insomnia? Trends in Dispensing of Zolpidem and Low-Dose Trazodone for New and Continued Use Among Commercially Insured U.S. Adults, 2011-2021 [233]

Jenna Wong | Suzanne Bertisch | Darren Toh (United States)

National Trends in Antidepressant Utilisation within Australian Residential Aged Care Facilities, 2006-2019 [234] Georgina Hughes | Maria Inacio | Debra Rowett | Catherine Lang Robert Jorissen | Megan Corlis | Janet Sluggett (Australia)

9:15 AM

The Risk of Serious Opioid-Related Harms Associated with Discharge Opioid and Non-Opioid Analgesic Regimens Among Patients Hospitalized with Long-Bone Fracture [235]

Kyle Hart | Ashley Leech | Avirath Vaidya | Stacie Dusetzina Andrew Medvecz | Andrew Wiese (United States)

Prescribing of Opioid Analgesics in Germany: Opposite Trends When Different Quantification Measures are Used [236]

Oliver Scholle | Kathrin Jobski | Jost Viebrock Ulrike Haug (Germany)

9:45 AM

Tramadol Use in the United States, 2004-2021 [237] C. Andrew Basham | Catherine Hwang | Heba Edrees

Krista Huybrechts | Katsiaryna Bykov (United States)

10:00 - 10:30 AM

BREAK / POSTERS / EXHIBITS - CONVENTION HALL

10:30 AM - 12:00 PM

CONCURRENT SESSIONS

SYMPOSIA & WORKSHOPS

Bias Introduced by COVID-19 Related Healthcare Disruptions in Safety and Effectiveness Studies: Proposing Methodological Solutions [238] – Argyle 1

Kieran Rothnie | Mei Sheng Duh | Catherine Cohet Melissa Van Dyke | Marianne Cunnington | Ian Douglas

Deep Learning for Pharmacoepidemiologists: An Accessible Introduction to Neural Networks [239] - Argyle 2

Kathryn Rough | Harriet Dickinson | Orla Doyle Dana Teltsch | Christina Mack

Emulation of a Target Trial in Pregnancy: Learning from the Chronic Hypertension and Pregnancy (CHAP) Trial [240] - Argyle 3

Gretchen Bandoli | Erin Delker | Mollie Wood Sascha Dublin | Sarah Osmundson

Optimizing Therapeutic Decision-Making for Off-Label Medicines Use: Challenges and Opportunities for Improving Practice and Research in the Age of Real-World Evidence (RWE) [241] - MR201

Madlen Gazarian | Daniel Horton | Bruce Carleton Greta Bushnell | Emily Gorman | Lina Titievsky Jonathan Slaughter | Susan dosReis

Scaling-up Real-World Evidence Generation for Regulators in Europe: DARWIN EU [242] – MR202

Daniel Prieto-Alhambra | Katia Verhamme | Edward Burn Daniel Morales Leaver | Andrej Segec | Patrick Ryan | Robert Platt Peter Rijnbeek | Patrice Verpillat | Gianmario Candore

12:30 - 1:30 PM

LUNCH – BALLROOM

12:30 - 1:30 PM

POSTER SESSION C / EXHIBITS - CONVENTION HALL

12:30 - 1:30 PM

ISPE BOARD OF DIRECTORS' LUNCH - MR604

Open to all ISPE members: please contact info@pharmacoepi.org if you are interested in attending this meeting.

12:15 - 1:15 PM

SPOTLIGHT POSTER SESSION C CONVENTION HALL

Databases

Digital Epidemiology

Drug Utilization Research

Drug-Drug Interaction

Environmental Pharmacoepidemiology

Genomics

Geriatrics

1:30 - 3:00 PM

CONCURRENT SESSIONS:

ORAL PRESENTATIONS

Hali-FACTS: Navigating Benefit-Risk Decision-Making with RWE (sponsored by BRACE SIG) – *Argyle 1*

MODERATORS: Kenneth Hornbuckle | Marie Louise De Bruin

1:30 PM

Benefit-Risk Assessment to Support the FDA's Decision on Vaccines for SARS-CoV-2 [243]

Hong Yang (United States)

1:45 PM

Rethinking Survey Samples in Patient Preference Studies: A First-Degree Relative Sample Versus a General Public Proxy Sample in Rheumatoid Arthritis Prevention [244]

Rachael DiSantostefano | Gwenda Simons | Matthias Englbrecht Jennifer Humphreys | Ian Bruce | Karin Schölin Bywall Christine Radawski | Karim Raza | Marie Falahee | Jorien Veldwijk (United States)

2:00 PM

Impact of 2018 EU Risk Minimisation Measures and Revised Pregnancy Prevention Programme on Utilisation and Prescribing Trends of Valproates [245]

Shahab Abtahi | Romin Pajouheshnia | Carlos Durán Judit Riera-Arnau | Miriam Sturkenboom | Olaf Klungel (Netherlands)

2:15 PM

Prenatal Exposure to Valproic Acid in the United States [246]
Nicole Smolinski | Amir Sarayani | Thuy Thai | Sebastian Jugl
Celeste Ewig | Almut Winterstein (United States)

2:30 PM

Assessment of the Effectiveness of Risk Evaluation and Mitigation Strategy for the Prevention of Fetal Exposure to Phentermine-Topiramate Using Two Large Nationwide Cohorts [247]

Yanmin Zhu | Sonia Hernandez-Diaz | Priyanka Anand Katsiaryna Bykov | Ameet Sarpatwari | Mufaddal Mahesri Elyse Dicesare | Seanna Vine | Helen Mogun | Krista Huybrechts (United States)

2:45 PM

A Descriptive Observational Cohort Study to Assess Effectiveness of Risk Minimization Activities in Baricitinib Incident Users Treated for Rheumatoid Arthritis in Nordic Countries [248]

Marius Flege | Mikkel Ankarfeldt | Aleksander Søltoft-Jensen Karoline Doser | Eero Pukkala | Kristian Bolin | Janne Petersen Espen Jimenez-Solem *(Denmark)*

1:30 - 3:00 PM

LIGHTNING FORUM SESSION 3 ARGYLE 2

Cancer

MODERATORS
Rachel Sobel | Lisa Pont

1:30 PM

Comparative Cardiovascular Risk Associated with Enzalutamide and Abiraterone Use in Patients with Metastatic Castration-Resistant Prostate Cancer [249]
Yue Cheng | Chris Delcher | Daniela Moga | Bin Huang

Val Adams (United States)

1:35 PM

Cardiovascular Risks in Prostate Cancer Patients Undergoing Androgen Deprivation Therapy Among the Southern Chinese: A Population-Based Cohort Study [250]

Tung Hiu Li | Vincent Ka Chun Yan | Wei Kang | Xuxiao Ye Aya El Helali | Shing Fung Lee | Jessica Shami | Xue Li Hei Hang Edmund Yiu | Ian Wong | Esther Wai Yin Chan (Hong Kong)

1:40 PM

Risk of Thyroid Cancer Associated with Incretin-Based Drugs Among Patients with Type 2 Diabetes [251]

Sungho Bea | Heejun Son | Jae Hyun Bae | Sun Wook Cho Ju-Young Shin | Young Min Cho (Republic of Korea)

1:45 PM

Comparison of Tisagenlecleucel with Historical Treatments for Relapsed or Refractory Diffuse Large B-cell Lymphoma: A Retrospective Study Using External Comparator from the Korean Lymphoma Registry Data [252]

Ju Hwan Kim | Sohee Park | Songhee Kim | Seok Jin Kim Ju-Young Shin *(Republic of Korea)*

1:50 PM

Cancer Panel Discussion



COVID Safety

MODERATORS J. Bradley Layton | Lisa Pont

2:00 PM

COVID-19 Vaccination and the Risk of Abnormal Uterine Bleeding: A Population-Based Self-Controlled Case Series Study [253]

Na-Young Jeong | SiHyun Cho | Jung Ryeol Lee | JaeYen Song Eunsun Lim | Joong Shin Park | Nam-Kyong Choi (Republic of Korea)

2:05 PM

Incidence of Diabetes Following COVID-19 Vaccination and SARS-CoV-2 Infection: A Population-Based Cohort Study [254]

Xi Xiong | David Tak Wai Lui | Matthew Shing Hin Chung Ivan Chi Ho Au | Francisco Tsz Tsun Lai | Eric Yuk Fai Wan Celine Sze Ling Chui | Xue Li | Franco Wing Tak Cheng Ching-Lung Cheung | Esther Wai Yin Chan | Chi Ho Lee Yu Cho Woo | Kathryn Choon Beng Tan | Carlos King Ho Wong lan Wong (Hong Kong)

Safety Monitoring of BNT162b2 (Pfizer-BioNTech) COVID-19 Vaccines in U.S. Children Aged 5-17 years [255]

Patricia Lloyd | Mao Hu | Hui-Lee Wong | Yuhui Feng Elizabeth Smith | Kandace Amend | Daniel Beachler Joann Gruber | Mahasweta Mitra | John Seeger | Alex Secora Joyce Obidi | Jing Wang | Jennifer Song Cheryl McMahill-Walraven | Djeneba Audrey Djibo | Rowan McEvoy Rose Do | Yoganand Chillarige | Robin Clifford | Azadeh Shoaibi Richard Forshee | Steven Anderson (United States)

2:15 PM

Safety of COVID-19 mRNA Vaccination Among Young Children in the Vaccine Safety Datalink [256]

Kristin Goddard | James Donahue | Ned Lewis | Kayla Hanson Bruce Fireman | Nicola Klein (United States)

2:20 PM

COVID Safety Panel Discussion

Policy

MODERATORS
Kourtney Davis | Lisa Pont

2:30 PM

Quantifying the Impact of Novel Metastatic Cancer Therapies on Health Disparities in Survival Outcomes Based on Published Aggregate Data [257]

Koen Degeling | Karolina Zebrowska | Rosa Banuelos Evelyn Rizzo | Kathy Belk | Gary Schneider (United Kingdom)

2:35 PM

Enhancing Clinical Trials by Linking Them to Real-World Data [258]

Mehdi NajafZadeh | Akiko Shimamura | Ben McConnochie Jimmy Polewaczyk | Sevtap Demirci | Aniketh Talwai Amir Ahmed *(United States)*

2:40 PM

Using Real-World Data to Evaluate Trends in Female Elective Contraception Procedures Among Women of Childbearing Age Surrounding Key Legal and Policy Events from 2008 to 2022 [259]

Djeneba Audrey Djibo | Jennifer Pigoga | Patricia Shuminski Cheryl McMahill-Walraven (United States)

2:45 PM

Use of Antiepileptic Drugs During Pregnancy in France between 2010 and 2021 [260]

Pouneh Shahriari | Jérôme Drouin | Rosemary Dray-Spira (France)

2:50 PM

Policy Panel Discussion

The COVID-19 Lobster Trap – Argyle 3

MODERATORS: Daniel Prieto-Alhambra | Daniela Moga

1:30 PM

Impact of the COVID-19 Pandemic in the Netherlands on Primary Healthcare Use and Clinical Outcomes in People with Type 2 Diabetes [261]

Jesse van den Berg | Marieke Blom | Karin Swart Jetty Overbeek | Sharon Remmelzwaal | Petra Elders Ron Herings *(Netherlands)*

1:45 PM

Impact of COVID-19 Pandemic Restrictions on Diagnosis and Treatment of Hypertension in the United Kingdom [262]

Kyle Johnson | Sarah Beradid | James Brophy | Robert Platt Christel Renoux (Canada)

2:00 PM

Impact of the COVID-19 Pandemic on Drug Shortage Incidence in the United States [263]

Katherine Callaway Kim | Scott Rothenberger | Mina Tadrous Inmaculada Hernandez | Walid Gellad | Lisa Maillart | Katie Suda (United States)

2:15 PM

A Dynamic Prognostic Model for Identifying Vulnerable COVID-19 Patients at High Risk of Rapid Deterioration [264] Priyanka Anand | Elvira D'Andrea | William Feldman | Shirley Wang Rishi Desai | Jun Liu | Gregory Brill | Elyse Dicesare

Kueiyu Joshua Lin (United States)

2:30 PM

Hospitalized Arterial and Venous Thrombotic Events in Patients Diagnosed in the Ambulatory Setting with COVID-19 Compared to Influenza [265]

Noelle Cocoros | Sarah Dutcher | John Connolly Silvia Perez-Vilar | Dena Carbonari | Terese DeFor Djeneba Audrey Djibo | Laura Harrington | Laura Hou Sean Hennessy | Rebecca Hubbard | Maria Kempner Jennifer Kuntz | Cheryl McMahill-Walraven | Jolene Mosley Pamala Pawloski | Andrew Petrone | Allyson Pishko Meighan Rogers Driscoll | Claudia Steiner | Yunping Zhou Vincent Lo Re (United States)

2:45 PM

Defining Post-COVID Conditions Using Changes in Symptomatology in Electronic Health Record Data from the United States [266]

Kathleen Andersen | Farid Khan | Peter Park | Timothy Wiemken Birol Emir | Deepa Malhotra | Tuka Alhanai | Mohammad Ghassemi Leah McGrath (United States)

Timing is Everything - MR109

MODERATORS: Andrea Margulis | Mollie Wood

1:30 PM

Are Major Congenital Malformations (MCMs) Identifiable Among Claims for Non-Live Births? [267]

Elizabeth Bell | Michael Doherty | Rishav Singla | John Seeger (United States)

1:45 PM

Validity of Algorithms for Congenital Malformations in United States Claims, Registry, and Surveillance Databases: A Systematic Literature Review [268]

Mengying Li | Megan Farris | Sophie Jacobovitz | Laura Walsh Shangzhi Gao | Sarah Irvin | Camelia Graham (United States)

2:00 PM

Identifying Pediatric Patients for an External Control Arm for a Set of Rare Disease Trials Using Multiple Administrative Healthcare Data Sources: Lessons from the Road [269]

Sarah Hoffman | Francesca Kolitsopoulos | Aziza Jamal-Allial Keith Wilner | Cynthia Senerchia | Daina Esposito | James Harnett (United States)

2:15 PM

Triple Challenges – Small Sample Sizes in Both Exposure and Control Groups When Scanning Rare Maternal Outcomes in Signal Identification: A Simulation Study [270]

Thuy Thai | Almut Winterstein | Elizabeth Suarez | Jiwei He Yueqin Zhao | Di Zhang | Danijela Stojanovic | Jane Liedtka Abby Anderson | José Hernández-Muñoz | Monica Munoz Wei Liu | Inna Dashevsky | Elizabeth Messenger-Jones Elizabeth Siranosian | Judith Maro (United States)

2:30 PM

Factors Associated with Abortion of Women with Systemic Lupus Erythematosus (SLE): Using a National Claims Database in Korea [271]

Yu-Seon Jung | Yeo-Jin Song | Jihyun Keum | Soo-Kyung Cho Yoon-Kyoung Sung | Sun-Young Jung (Republic of Korea)

2:45 PM

No Time to Lose - Prenatal Exposure to Teratogenic Medications and New Abortion Laws in the United States [272]

Almut Winterstein | Yanning Wang | Nicole Smolinski | Thuy Thai Celeste Ewig | Sonja Rasmussen (United States)

Massive Mabs - MR201

MODERATORS: Mina Tadrous | Chioma Eiekam

1:30 PM

Longitudinal Associations Between Body Mass Index and Disease Activity, and Radiographic Progression in Rheumatoid Arthritis Patients Receiving Infliximab [273]

Theresa Burkard | Enriqueta Valleio-Yaqüe | Kim Lauper Axel Finckh | Thomas Hügle | Andrea Burden (United Kingdom)

A Pilot Evaluation of Switchback from Biosimilars to Originator-Biologics in the Veterans Affairs Population: A Signal of Biosimilar Failure? [274]

Kelly Bryan | Qoua Her | Diane Dong | Rong Jiang Jennifer Martin | Fran Cunningham (United States)

2:00 PM

Decreased Discontinuation and Switching of b/tsDMARDs in RA When Treatment Aligns with Molecular Signature Response Classifier Results: An Analysis from the Study to Accelerate Information of Molecular Signatures (AIMS) [275]

Jeffrey Curtis | Lixia Zhang | Johanna Withers | Sam Asgarian (United States)

Trends in Initiation Patterns of Disease-Modifying Therapies for Multiple Sclerosis Among Commercially Insured Adults and Children in the United States, 2001-2020 [276]

Chintan Dave | Mackenzie Henderson | Daniel Horton Vikram Bhise | Gian Pal | Greta Bushnell (United States)

2:30 PM

Integration of Immuno-oncology (IO) Treatments into Routine Clinical Practice for the Treatment of Patients with Advanced or Metastatic Cancers: Analysis of the England National Cancer Registry [277] Hamid Mahmoudpour | Craig Knott | Amerah Amin Emmanuelle Boutmy | Patrice Verpillat (Germany)

The Use Of Denosumab and the Risk of Incidence of Diabetes in Patients with Osteoporosis [278] Albert Tzu-Ming Chuang | Huei-Kai Huang | Tzu-Chi Liao Peter Pin-Sung Liu | Shih-Chieh Shao | Edward Chia-Cheng Lai

What Can be Learned from Machines - MR202

MODERATORS: Jeremy Rassen | Katia Verhamme

1:30 PM

Opportunities and Challenges Surrounding the Incorporation of Laboratory Test-Result Information within High-Dimensional Confounder Adjustment Procedures [279] John Tazare | Jeremy Brown | Daniel Morales | Elizabeth Williamson lan Douglas (United Kingdom)

1:45 PM

Comparison of Stable Balancing Weights Vs. Propensity Score Weighting for RWE or External Clinical Study Comparison Arms to Single Arm Clinical Trials [280] Stephen Johnston | Pranjal Tewari | Paul Coplan (United States)

2:00 PM

Standardization Over Disease Risk Score Versus Propensity Score for Confounding Control When Using Random Forests for Model Fitting [281]

Yi Li | Tibor Schuster | Kazuki Yoshida | Robert Platt (Canada)

High-dimensional Iterative Causal Forest (hdiCF): A Novel Algorithm for Subgroup Identification in Claims Data [282] Tiansheng Wang | Virginia Pate | John Buse | Richard Wyss Til Stürmer (United States)

2:30 PM

Can Machine Learning Approaches Help Accelerating Rare Diseases Diagnosis? The Acromegaly Case Study [283] Salvatore Crisafulli | Luca L'Abbate | Andrea Fontana Giacomo Vitturi | Daniele Gianfrilli | Alessia Cozzolino Maria Cristina De Martino | Gianluca Trifirò (Italy)

2:45 PM

Severity Score Extraction from Clinical Notes Using Natural Language Processing: Applications to Dermatology [284]

Vikas Kumar | Lawrence Rasouliyan | Amanda Althoff Stella Chang | Stacey Long (United States)

3:00 - 3:15 PM

BREAK

3:15 - 4:45 PM

HOT TOPIC SESSION

Health Equity and Diversity in Pharmacoepidemiology Research: Making Change Happen – *Ballroom*

Health equity and health disparities have become familiar terms, particularly as the SARS-Cov2 pandemic exposed longstanding racial, ethnic, socio-economic, and geographic inequities in health. However, years of research have shown that even though we are more familiar with these terms, actively measuring, addressing, and dismantling unfair differences in health remains difficult. As a field that studies the effects of both diseases and their treatment in plarge groups of people, pharmacoepidemiology can play an important role in ensuring the health of real-world populations. The question is, how can pharmacoepidemiologists put health equity into practice? In this session, we will first define important concepts in Health Equity Research and consider these terms in the broader context research and healthcare. Next, we will discuss how to apply/adapt methods in pharmacoepidemiology research to measure health disparities. We will learn from the experiences of researchers in other fields of public health as well as from colleagues in pharmacoepidemiology in industry and academia. Attendees will leave the session with an understanding of what information and resources are needed to begin to put knowledge to practice.

Paula Braveman, MD, MPH

Professor, Family Community Medicine, University of California San Francisco

Stephen Thomas, PhD

Professor, Health Policy and Management, University of Maryland School of Public Health

Sieta de Vries, PhD

Researcher, Department of Clinical Pharmacy and Pharmacology, University Medical Centre Groningen 4:45 - 5:30 PM

THE FINAL WORD - BALLROOM

- 39th ICPE Awards

Robert Platt, FISPE Chair, ICPE 2023 Scientific Program Committee

Spotlight Poster Awards

FUTURE MEETINGS

15th Asian Conference on Pharmacoepidemiology (ACPE)

Bengaluru, India | October 26-28, 2023 Soto Setoguchi, FISPE

Program Chair

Mid-Year Meeting

Orlando, Florida, U.S.A. | April 14-16, 2024 Almut Winterstein, FISPE Program Chair

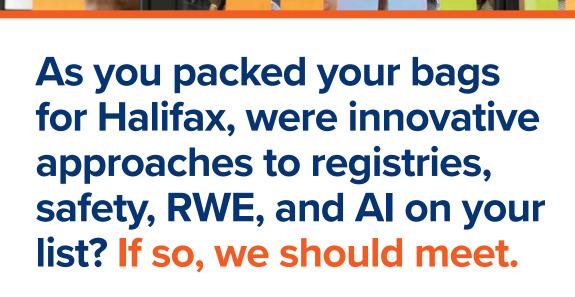
40th ICPE

Berlin, Germany | August 24-28, 2024 Andrea Margulis, FISPE Chair, ICPE 2024 Scientific Program Committee

ADJOURNMENT OF ICPE 2023

Robert Platt, FISPE

Chair, ICPE 2023 Scientific Program Committee









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OVERVIEW

Poster sessions are intended to give presenters an opportunity to discuss informally their research with colleagues interested in their research. The purpose of the posters is to visually stimulate interest in the research, to present sufficient information for viewers to understand the methods, results, and significance of the research, and to promote conversations and networking among conference participants.

Neither ISPE nor the Halifax Convention Centre will be responsible for any material left on display overnight or is lost or damaged.

POSTER SESSIONS EXPLAINED

The Spotlight and General poster sessions are separated, but hosted in the same function space, the Convention Hall. Each day is allocated a session and scheduled at the following times:

Session A: Friday, August 25 | 8:00 AM - 6:00 PM

Session B: Saturday, August 26 | 8:00 AM - 6:00 PM

Session C: Sunday, August 27 | 8:00 AM - 1:30 PM

SETUP/TAKE DOWN

7:00-8:00am; all posters must be in place by 8:00am. The poster area must be cleared of tubes, obstacles, trip hazards, and other materials.

All posters for a specific day's session must be removed at the end the session, by 6:30pm on Friday and Saturday, and by 2:00pm on Sunday. Posters not removed by these times will be assumed to be abandoned and will be discarded.

DISCUSSION TIME

General Session

Presenting Authors must be at their posters at the following times for discussion:

Friday - Session A: 12:00 - 1:30 PM

Saturday - Session B: 11:30 AM - 1:00 PM

Sunday - Session C: 12:00 - 1:30 PM

Spotlight Poster

Presenting Authors must be at their posters at the following times for discussion:

Friday - Session A: 12:15 - 1:15 PM

Saturday - Session B: 11:45 AM - 12:45 PM

Sunday - Session C: 12:15 - 1:15 PM

Spotlight Sessions

Organized by ISPE Special Interest Groups (SIGs). Spotlight sessions showcase select posters and give presenters the opportunity to share and discuss their work with an audience. When the spotlight session chair and audience stop at your poster, please give a brief, 3-minute, presentation and be prepared to answer questions about your research.

Spotlight posters are organized in the following topic areas:

Friday – Session A

Health Equity | Medical Devices

Medications in Pregnancy and Lactation | Pediatrics Rare Diseases | RWE Collaborative | Vaccines

Saturday - Session B

Adherence | ASPEN | Biologics | BRACE | Cancer Cell & Gene Therapy | Comparative Effectiveness Research

Sunday - Session C

Databases | Digital Epidemiology

Drug Utilization Research | Drug-Drug Interaction

Environmental Pharmacoepidemiology

Genomics | Geriatrics

Spotlight Session Prizes

A group of judges will select the best posters of each Spotlight Session. The best presenters will receive an invitation to display their posters for the duration of the conference. The winners will be announced at The Final Word session on Sunday, August 27.

Numbering System

Each poster board will be numbered. Presenters should attach their posters to the board number corresponding to the number assigned to their poster listed in this program. The poster board number is the first number listed. The publication number, for use in locating abstracts in the program book, is listed after the abstract title.

Example

97 – Characteristics of Patients with Depression Who Initiate Antidepressant and Benzodiazepine Therapy Simultaneously, Compared with Antidepressant Monotherapy [176]

Greta A. Bushnell | Alice White | Til Stürmer | Bradley Gaynes Virginia Pate | Deborah Azrael | Matthew Miller (United States)

Key: 97 - Poster Board Number [176] - Publication Number

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SPOTLIGHT POSTERS

HEALTH EQUITY

A01 – Disparities in Guideline-Recommended Pharmacotherapy for Prevention of Atherosclerotic Cardiovascular Disease by Race, Ethnicity, and Sex: A Nationally Representative Cross-Sectional Analysis of Adults in the United States [285]

David Frank | Amber Johnson | Leslie Hausmann Walid Gellad | Eric Roberts | Ravy Vajravelu

A02 – Ethnic Differences in the Indirect Impacts of the COVID-19 Pandemic on Hospitalisations for Non-COVID Conditions in England: An Observational Cohort Study Using OpenSAFELY [286]

Ruth Costello | John Tazare | Dominik Piehlmaier Emily Herrett | Laurie Tomlinson Sinéad Langan | Rohini Mathur

A03 – Ethnicity Differences in Risk of Cardiovascular Events in COVID-19: An England-Wide Population Analysis [287]

Marta Pineda-Moncusí | Freya Allery | Antonella Delmestri Laura Coates | Irene Petersen | Gary Collins Kamlesh Khunti | Daniel Prieto-Alhambra | Sara Khalid

A04 – Representation of Patients of Minority Race and Ethnicity in Real-World Databases and Tumor Registries of Patients with Breast Cancer 12881

Yoojin Jung | Lauren Stevens | Alexander Davies James Glenister | Scott Pohlman | Jessica Paulus A05 – Social Determinants of Health and Disparities in T2DM Severity in the United States [289]

Yaa Ababio | Adina Lemeshow | Xiaofeng Zhou Chunyang Feng | John Ryan | Brett South Leo Russo | Mark Cullen

A06 - The Impact of Contextual-Level Social Determinants of Health on Heart Failure Readmission and Mortality in Patients Hospitalized for Heart Failure [290]

Wenxi Huang | Stephen Kimmel | Mustafa Ahmed Steven Smith | Md Mahmudul Hasan | Masoud Rouhizadeh Jiang Bian | Serena Jingchuan Guo

A07 – The Use of Computational Phenotypes within Electronic Healthcare Data to Identify Transgender People: A Narrative Review [291]

Theo Beltran | Elle Lett | Tonia Poteat | Kathleen Thomas Brian Pence | Erin Carey | Juan Hincapie-Castillo

A08 – Using Real-World Data to Support Clinical Trial Diversity and Inclusion Strategies: A Case Study of Cancer of the Cervix [292]

Brenna Brady | Liisa Palmer

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A09 – Clinical Validation Studies for SARS-CoV-2 Diagnostic Tests in a Real-World Setting [293]

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A10 – Continuous Glucose Monitoring in Diabetes Patients with Cognitive Impairment [294]

Pareeta Kotecha | Wei-Han Chen | Yujia Li William Troy Donahoo | Jiang Bian | Serena Jingchuan Guo

A11 – COVID-RED: A Randomized Trial Demonstrating Earlier COVID-19 Remote Detection Using Wearable Technology and Artificial Intelligence [295]

Timo Brakenhoff | Brianna Goodale | Duco Veen Vladimir Kovacevic | Andjela Markovic | Marianna Mitratza Santiago Montes | Marcel Van Willigen | Serkan Korkmaz Xi Bai | Billy Franks | Kirsten Grossman | Weideli Ornella Janneke Van De Wijgert | Eskild Fredslund | Jakob Kjellberg Theo Rispens | Lorenz Risch | Martin Risch | David Conen Ariel Dowling | Amos Folarin | Richard Dobson Diederick Grobbee

A13 – Robot-Assisted Surgery and Racial and Ethnic Disparities in Post-prostatectomy Outcomes Among Prostate Cancer Patients [296]

Jialin Mao | Jeanine Genkinger | Andrew Rundle Jason Wright | Parisa Tehranifar

A14 – Systematic Review and Meta-Analysis of Clinical Outcomes of Bone Grafting/Reconstruction Following Segmental Long Bone Defects Treated by Induced Membrane Technique [297]

Zihe Zheng | Phyo Than Htoo | Lexi Rene | Sashi Yadalam Michael Luedtke | Alex Wu | Scott Larsen | Kris Kita Paul Coplan | Shumin Zhang

A15 – Temporal Trends in Using Catheter Ablation as First-Line Therapy in Patients Diagnosed with Paroxysmal Atrial Fibrillation in the United States [298] Shumin Zhang | Lee Ming Boo | Paul Coplan

A16 - Trends in the Cost of Total Knee Arthroplasty -A U.S. Hospital Database Analysis, 2000-2021 [299] Yifan Zhang | Jill Ruppenkamp | Anshu Gupta | Chantal Holy

MEDICATIONS IN PREGNANCY & LACTATION

A17 – Antidepressant Utilization Before and After Initiation of Prenatal Care Among Commercially Insured Pregnant Women in the United States [300]

Oluwasolape Olawore | Elizabeth Simmons | Virginia Pate John Buse | Til Stürmer | Mollie Wood

A18 – Maternal Exposure of Benzodiazepine Receptor Agonists and Increased Risk of Neurodevelopmental Disorders in Offspring in Taiwan [301]

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A19 – Maternal Prescribed Opioid Analgesic Use During Pregnancy and Associations with Neurodevelopmental Disorders in Offspring [302]

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A21 - Topical Azole Treatments During Pregnancy: Are There Risks for the Pregnant Mother and the Fetus? A comparative Study in the EFEMERIS Database [304]

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A22 – Utilization of Antihypertensives Before, During, and After Pregnancy [305]

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A23 - Utilization Patterns of Antidepressants in Pregnant Women: An Interrupted Time Series Analysis [306]

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A24 – Validation Study of an ASA Prophylaxis Variable for Preeclampsia Prevention [307]

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A28 - Metrics of Antibiotic Use in Neonatal Intensive Care Units [311]

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Hui Li | Huijie Li | Jing Song | Jian Gong



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JOB POSTING



ABOUT US

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23 – Systematic Evaluation and Meta-Analysis on the Treatment of Moderate and Severe Cancer Pain in Cancer Patients with Traditional Chinese Medicine Combined with Three-Step Analgesic Method [361]

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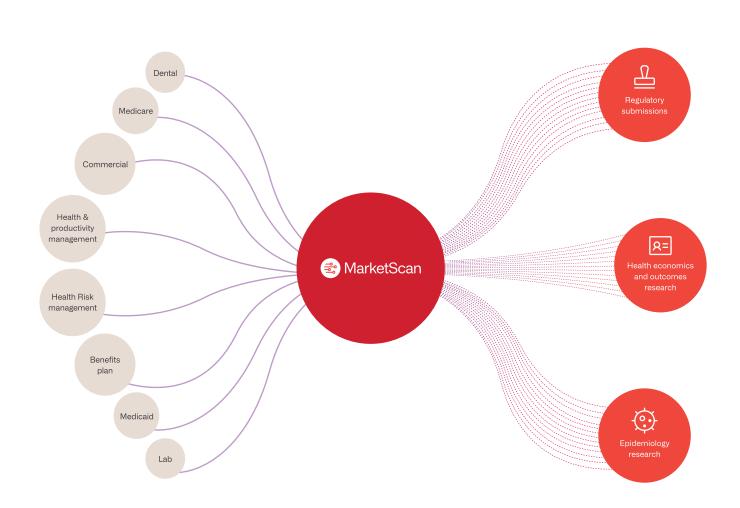
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loin our Team! Use the OR code for more details and come visit us at our booth.



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Our experts will be available to discuss their presentation topics, including:

- Pharmacoepidemiology
- External control arms
- Clinical endpoints for real-world studies
- Pediatric EU PAS studies

- Lactation studies
- Pregnancy surveillance
- Immunocompromised conditions
- Long-term effectiveness

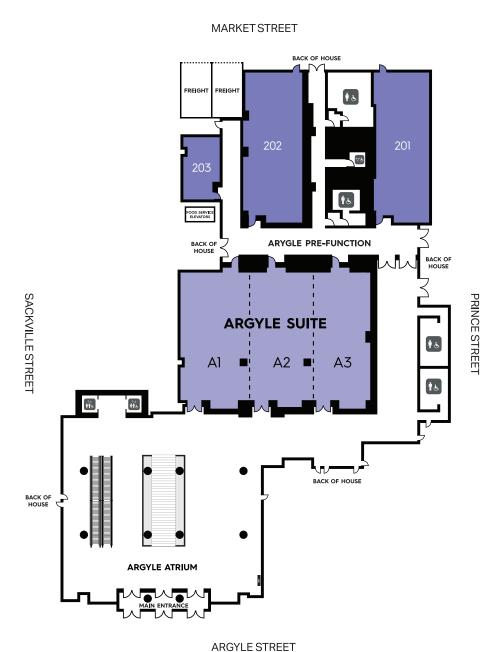


CONVENTION HALL LEVEL



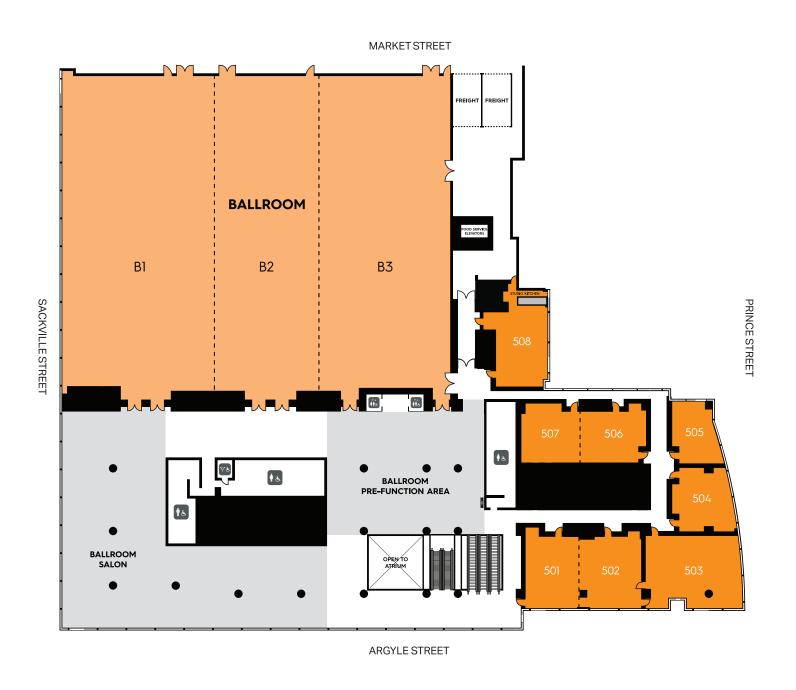
ARGYLE STREET

ARGYLE LEVEL & ATRIUM



/ INCITED TIMEET

BALLROOM LEVEL

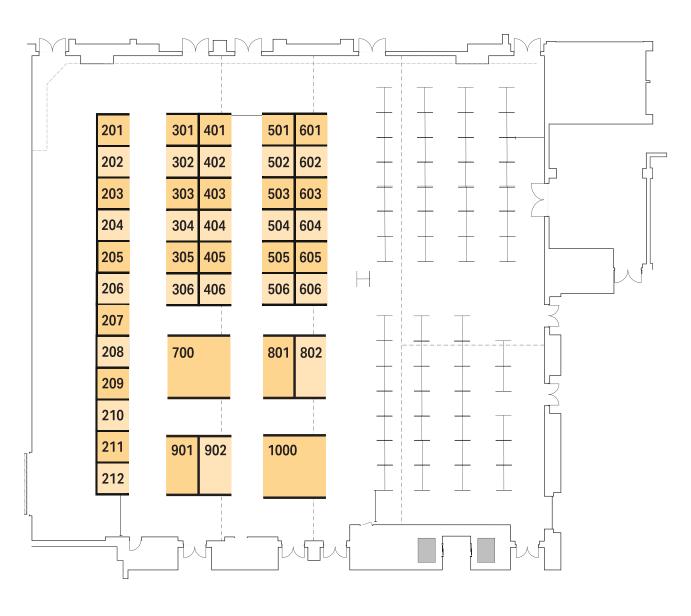


SUMMIT LEVEL

SACKVILLE STREET



Exhibit Hall Floor Plan



207	Certara	306	Evidera PPD	603	Northeastern University
208	VAccination Collaboration for Europe	401	Food and Drug Administration	604	Optum
209	OXON EPIDEMIOLOGY	402	HealthVerity	605	Optum
210	PicnicHealth	405	Verantos	606	P95 BV
211	AstraZeneca	406	Analysis Group	801	Aetion
212	MarketScan by Merative	501	Drug Safety Research Unit	802	Carelon Research
301	Boehringer Ingelheim International GmbH	505	Veradigm	901	OM1
302	Exponent	506	PHARMO Institute	902	IQVIA
304	IHME Client Services	601	Panalgo	1000	RTI Health Solutions
305	Heva	602	Inspire		

What science can do



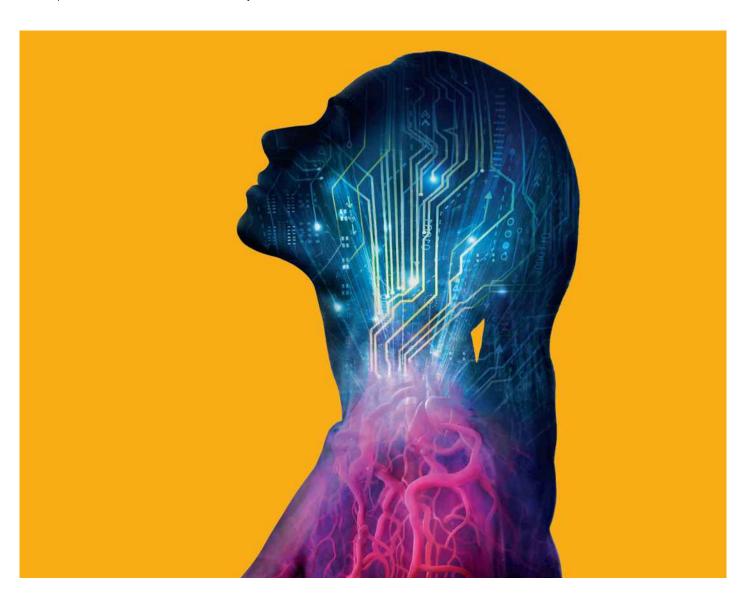
Generating Impactful Evidence

We ensure the right evidence is delivered at the right time, to the right stakeholders.

Across all of our disease areas, we have an ambitious team of pharmacoepidemiologists, aspiring to be trusted leaders in generating real world evidence on our products and the disease areas that they serve.

We shape the Evidence strategy and deliver high-quality studies across the globe in partnership with colleagues, from clinical development through launch and beyond.

Find out more about opportunities in our expanding epidemiology and Evidence teams by visiting us in Booth 211 in the exhibit hall.





40 Years of Real-World Evidence Science

International Conference on Pharmacoepidemiology & Therapeutic Risk Management

August 24-28, 2024

Estrel Hotel & Congress Center | Berlin, Germany

The essential pharmacoepidemiology annual scientific conference is scheduled for Berlin, August 24-28, 2024. Berlin's glamour, grit, culture, architecture, food, and history await you.

KEY DATES

Sep 2023: Call for plenary session proposals opens

Oct 1, 2023:

Submission deadline for plenary session proposals

Dec 2023:

Call for abstracts opens

Feb 15, 2024:

Abstracts submission deadline

Mar 2024:

Abstracts reviewed by ISPE's Scientific Program Committee

May 2024:

Acceptance notifications issued

Jun 2024:

ICPE registration opens