

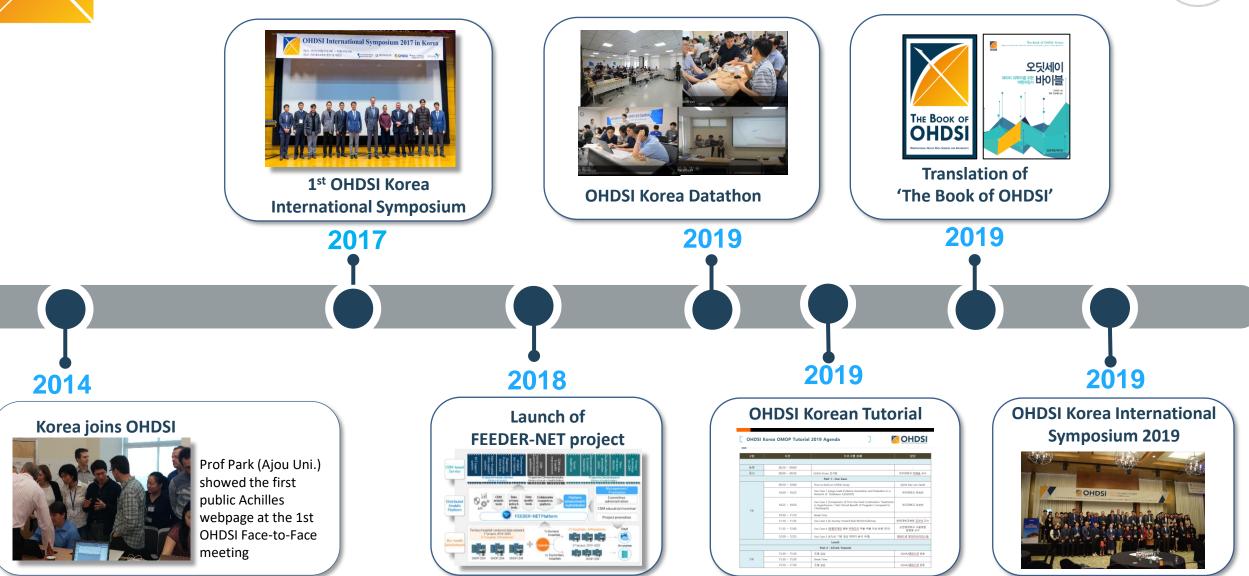
OHDSI APAC State of Community 2022

Mui Van Zandt VP/GM, Real World Data & Technology, IQVIA OHDSI APAC Leader

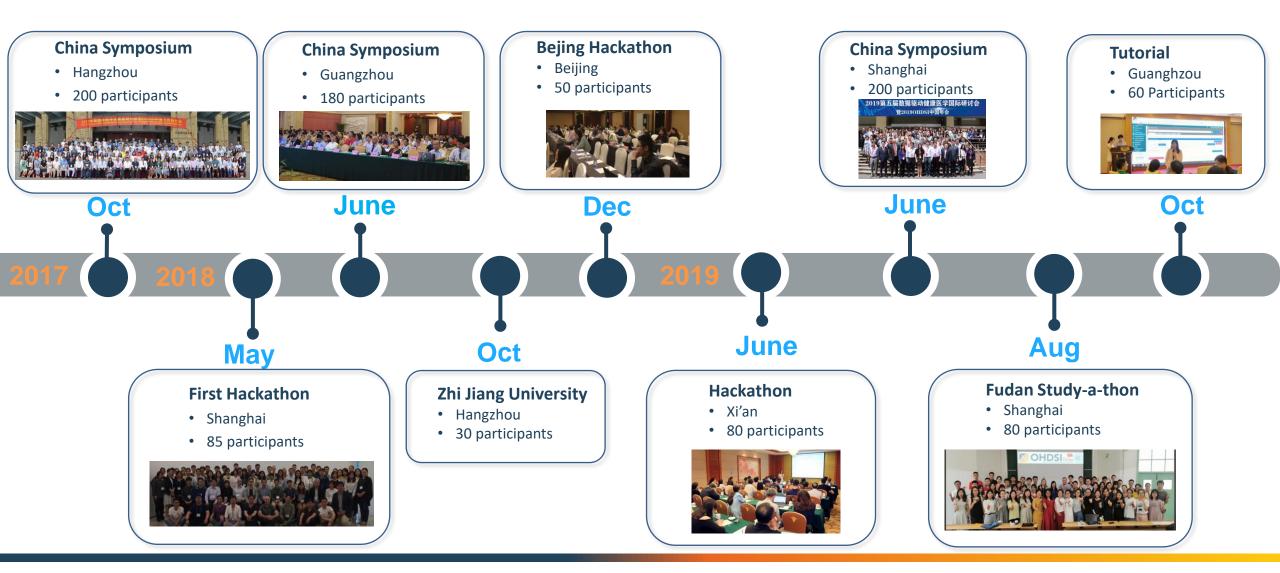


Journey of OHDSI Korea



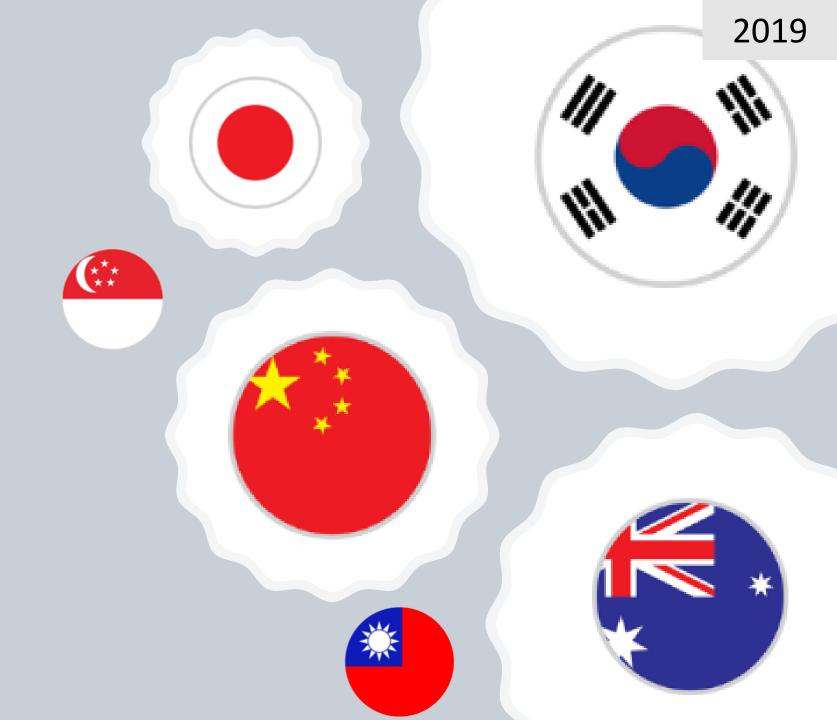


Journey of OHDSI China



OHDSI APAC Formation







Our journey begins

1st APAC Symposium



110+ **Attendees**

1st APAC Tutorial



CDM & Vocabulary



. . .

Data Quality

OMOP Ecosystem

2 x APAC Studies

CORAZON study

Comparative effectiveness and safety of direct oral anticoagulants in patients with atrial fibrillation.



2020

LEGEND study

Comparative effectiveness and safety of second-line antihypertensive agents



https://www.ohdsi.org/events/2020-apac-ohdsi-symposium/? ga=2.253239753.1500976604.1667796417-337476248.1642645249

Training Technical Expertise

1322185

1st APAC ETL Workshop

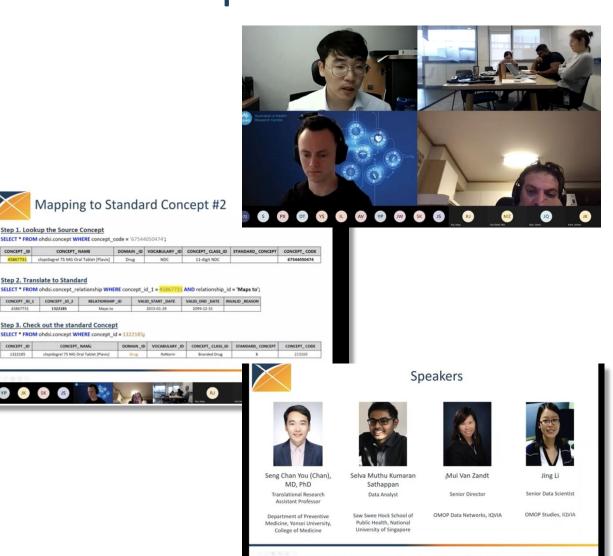
Day 1 (Aug 12)

- Introduction to ETL
- Agile methodology •
- Source Data Analysis .
- Vocabulary Mapping ٠
- **ETL Specification Writing**

Day 2 (Aug 13)

- Common issues in ETL Conversion
- OMOP ETL Development
- Data Quality Checks





2021





Bi-weekly APAC Community Calls



Bridging the gap across APAC

+ Sept. 23, 2021 - Introducing The OHDSI Center at the Roux Institute
+ Sept. 9, 2021 - Workgroup Updates (Oncology, Psychiatry, UK Biobank/Registry, EHR)
+ August 26, 2021 - Network Studies
+ August 12, 2021 - Global Symposium Preview
+ July 29, 2021 - EUMAEUS (Evaluating Use of Methods for Adverse Event Under Surveillance)
+ July 15, 2021 - Introduction to the OMOP Oncolody Module / How To Do A Network Study
+ July 1, 2021 - Regional Updates / Mid-Year Review
+ June 17, 2021 - OMOP Project: Applying the OMOP CDM to Hepatobiliary Clinical Research Database at Zhongshan
+ June 3, 2021 - APAC Network Research
+ May 22, 2021 - 10-Minute Tutorials
+ May 8, 2021 - Collaborator Presentations
+ Apr. 22, 2021 - Regional Updates
+ Apr. 8, 2021 - OMOP Projects (Presentations by Yuan Lu and Namki Hong)
+ Mar. 25, 2021 - OHDSI APAC Network Research (Presentation by Lei Feng)
+ Mar. 11, 2021 - Collaborator Showcase (Presentations by Ty Stanford and Jason Hsu)

- + Feb. 25, 2021 Welcome To The Journey (Helping Our OHDSI Newcomers Get Started)
- + Jan. 28, 2021 APAC Community Kickoff Call









Research Initiatives



Seng Chan You

Characterization of Health by OHDSI AP chapter to identify Temporal Effect of the Pandemic (CHAPTER)



Celine Chui and team

Comparison of mortality, morbidities & healthcare resources utilisation between patients with and without a diagnosis of COVID-19



Nicole Pratt

Treatment, utilisation and safety of medicines for Multiple Sclerosis (TELEMUS)



2022

Chungsoo Kim

Data quality of OHDSI APAC: CDM Inspection study



APAC Multi-center Publications

Network Open..

6

Original Investigation | Cardiology Analysis of Dual Combination Therapies Used in Treatment of Hypertension in a Multinational Cohort

Yuan Lu, ScD; Mul Van Zandt, BS; Yun Liu, PhD; Jing Li, MS; Xialin Wang, MS; Yong Chen, PhD; Zhengfeng Chen, MBBS, MMed; Jaehyeong Cho, PhD; Sreemanee Raaj Dorajoo, PhD; Mengling Feng, PhD; Min-Huel Hsu, MD; PhD; Jason C. Hsu, PhD; Jaman Iqbal, PharmD, MBA, PhD; Jitendra Jonnagaddala, PhD; Yu-Chuan Li, MD, PhD; Slaw-Teng Liaw, MBBS, PhD; Hong-Seok Lim, MD, PhD; Kee Yuan Nglam, MBBS, MMed; Phanry, MBA, PhD; Rae Woong Park, MD, PhD; Nicole Pratt, PhD; Christian Reich, MD, PhD; Sang Youl Rhee, MD; Selva Muthu Kumaran Sathappan, MSc; Seo Jeong Shin, PhD; Hui Xing Tan, MTech; Seng Chan You, MD, PhD; Xin Zhang, MS; Harlan M. Krumholz, MD, SM; Marc A. Suchard, MD, PhD; Hua Xu, PhD

Abstract

IMPORTANCE More than 1 billion adults have hypertension globally, of whom 70% cannot achieve their hypertension control goal with monotherapy alone. Data are lacking on clinical use patterns of dual combination therapies prescribed to patients who escalate from monotherapy.

OBJECTIVE To investigate the most common dual combinations prescribed for treatment escalation in different countries and how treatment use varies by age, sex, and history of cardiovascular disease.

DESIGN, SETTING, AND PARTICIPANTS This cohort study used data from 11 electronic health record databases that cover 118 million patients across 8 countries and regions between January 2000 and December 2019. Included participants were adult patients (ages ≥18 years) who newly initiated antihypertensive dual combination therapy after escalating from monotherapy. There were 2 databases included for 3 countries: the Iqvia Longitudinal Patient Database (LPD) Australia and Electronic Practice-based Research Network 2019 linked data set from South Western Sydney Local Health District (ePBRN SWSLHD) from Australia, Ajou University School of Medicine (AUSOM) and Kyung Hee University Hospital (KHMC) databases from South Korea, and Khoo Teck Puat Hospital (KTPH) and National University Hospital (NUH) databases from Singapore. Data were analyzed from June 2020 through August 2021.

EXPOSURES Treatment with dual combinations of the 4 most commonly used antihypertensive drug classes (angiotensin-converting enzyme inhibitor [ACEI] or angiotensin receptor blocker [ARB]; calcium channel blocker [CCB]; β -blocker; and thiazide or thiazide-like diuretic).

Key Points

Question What are the most common antihypertensive dual combinations prescribed to patients who escalate from monotherapy in dinical practice, and how do the combinations differ by country and patient demographic subgroup?

Findings In this cohort study of 970 335 individuals from 11 large databases, 12 dual combinations of antihypertensive drug classes were commonly used, with large variation across countries and demographic groups.

Meaning These findings on the diversity of approaches used in practice suggest that future research is needed to investigate what medication combinations are associated with best outcomes for which patients.

Annals of Internal Medicine

Original Research

Comparative Effectiveness and Safety Between Apixaban, Dabigatran, Edoxaban, and Rivaroxaban Among Patients With Atrial Fibrillation

A Multinational Population-Based Cohort Study

Wallis C.Y. Lau, PhD*; Carmen Olga Torre, MSc*; Kenneth K.C. Man, PhD; Henry Morgan Stewart, PhD; Sarah Seager, BA; Mui Van Zandt, BSc; Christian Reich, MD; Jing Li, MS; Jack Brewster, PhD; Gregory Y.H. Lip, MD; Aroon D. Hingorani, PhD; Li Wei, PhD; and Ian C.K. Wong, PhD

Background: Current guidelines recommend using direct oral anticoagulants (DOACs) over warfarin in patients with atrial fibrillation (AF), but head-to-head trial data do not exist to guide the choice of DOAC.

Objective: To do a large-scale comparison between all DOACs (apixaban, dabigatran, edoxaban, and rivaroxaban) in routine clinical practice.

Design: Multinational population-based cohort study.

Setting: Five standardized electronic health care databases, which covered 221 million people in France, Germany, the United Kingdom, and the United States.

Participants: Patients who were newly diagnosed with AF from 2010 through 2019 and received a new DOAC prescription.

Measurements: Database-specific hazard ratios (HRs) of ischemic stroke or systemic embolism, intracranial hemorrhage (ICH), gastrointestinal bleeding (GIB), and all-cause mortality between DOACs were estimated using a Cox regression model stratified by propensity score and pooled using a random-effects model. (HR, 0.81 [95% Cl, 0.70 to 0.94]), edoxaban (HR, 0.77 [Cl, 0.66 to 0.91]), or rivaroxaban (HR, 0.72 [Cl, 0.66 to 0.79]). No substantial differences were observed for other outcomes or DOAC-DOAC comparisons. The results were consistent for patients aged 80 years or older. Consistent associations between lower GIB risk and apixaban versus rivaroxaban were observed among patients receiving the standard dose (HR, 0.72 [Cl, 0.64 to 0.82]), those receiving a reduced dose (HR, 0.68 [Cl, 0.61 to 0.77]), and those with chronic kidney disease (HR, 0.68 [Cl, 0.59 to 0.77]).

Limitation: Residual confounding is possible.

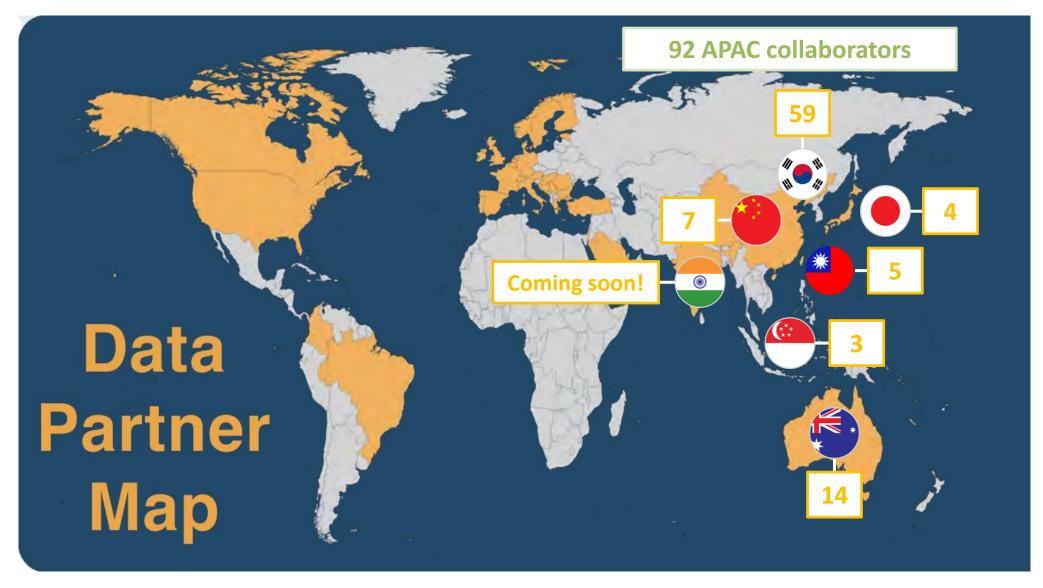
Conclusion: Among patients with AF, apixaban use was associated with lower risk for GIB and similar rates of ischemic stroke or systemic embolism, ICH, and all-cause mortality compared with dabigatran, edoxaban, and rivaroxaban. This finding was consistent for patients aged 80 years or older and those with chronic kidney disease, who are often underrepresented in clinical trials.

Primary Funding Source: None.

2022

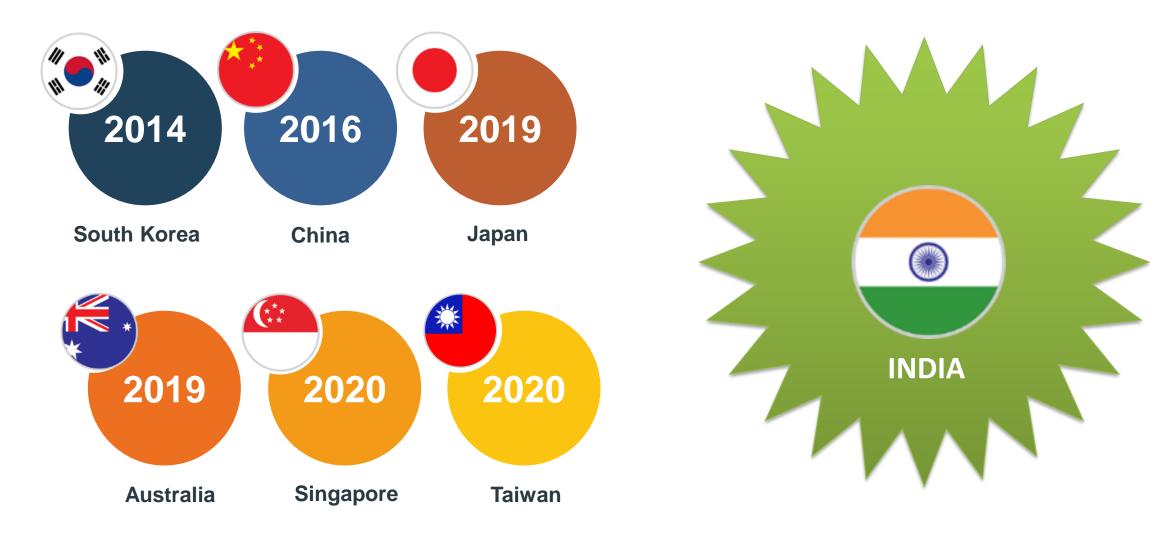


Expanding APAC Collaboration





Welcome!





1st In-person APAC Symposium



詳情請上 OHDSI-TAIWAN 官網查詢 OHDSI-TAIWAN.COM

2022 OHDSI APAC 亞太年會在北醫

2021台灣正式成為OHDSI亞洲第六國分部 並爭取到2022亞洲年會在台北的主辦權 讓我們一起用健康資料軟實力在世界舞台發光發熱!











Speaker













OHDSI Book Localization





Atlas Localization

ATLAS Localization •

Available in Korean and Chinese since 2020

ATLAS		
☆ 홈	☆ 홈	*
😂 데이터 소스	ATLAS에 오신 것을 환영합니다.	8
Q 검색	ATLAS는 환자 수준의 데이터 및 분석에 통합된 인터페이스를 제공하기 위해 OHDSI의 일부로 개발된 오픈 소스 응용 프로그램입니다. 문서	Q
👿 컨셉 세트	문지 = ATLAS 사용 설명서는 여기에서 찾을 수 있습니다.	Ħ
😬 코호트 정의	시작하기	-24
샏 특성	새로운 코호트 정의 연구하려는 사람들의 그릏을 정의하여 연구를 시작하십시오	⊷
뤎 코호트 경로	어휘(Vocabulary) 검색 환자 수준 데이터를 설명하는 데 사용되는 전 세계의 다양한 온톨로지를 검색하십시오. 배포 노트	ሑ
🕈 발생률	ATLAS Version 2.12.0 DEV Release Notes	•
💄 프로필	WebAPI Version 2.12.0 DEV Release Notes 이 최신 릴리스에는 24 가지 기능 향상 및 문제 해결이 포함되어 있습니다.	-
🍄 추정	 Cannot pick up a concept from vocabulary for some cohort attributes Cannot find a concept by its id or code 	<u> 5</u> 6
💖 예측	Admin cannot assign protected tag to entity Admin cannot tassign protected tag to entity Admin cannot assign	*
🖧 Reusables	Hydra v0.3 update Azure Synapse Analytics Dedicated dialect support	43
🚝 실행내역	Snowflake dialect support Refresh user names during scheduled user import	#
🗱 환경설정	PHOEBE 2.0 implementation for WebAPI Add description fields for all study asset types	•8
🗩 피드백	Connect atomics of accordance fields	•

ATLAS	
▶首页	★ 首页
数据来源	欢迎使用ATLAS。
搜索	ATLAS作为OHDSI的开发的开源应用程序,旨在为患者水平的数据和分析提供集成界面。
概念集	参考文档 三可在此处找到《ATLAS用户指南》。
队列定义	由此开始
!特征描述	定义新队列 通过定义要研究的人群来开始研究
队列路径	词汇检索 搜索世界各地用于描述患者水平数据的各种本体
发病率	部署说明 ATLAS Version 2.12.0 DEV Release Notes
数据概要	WebAPI Version 2.12.0 DEV Release Notes 最新版本包括24项增强功能和故障排除;
估计	Cannot pick up a concept from vocabulary for some cohort attributes Cannot find a concept by its id or code
预测	Admin cannot assign protected tag to entity JobServiceIT test fails
Reusables	 Hydra v0.3 update Azure Synapse Analytics Dedicated dialect support
执行历史	Snowflake dialect support Refresh user names during scheduled user import
环境设定	 PHOEBE 2.0 implementation for WebAPI Add description fields for all study asset types
意见反馈	C



The Journey Continues...

- Tutorials in local languages
- Working group collaboration
 - Education working group
 - Glossary of terms localization

IR IR IR



Thank you!