

# China/Korea OHDSI Study Hackathon

2018

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IMS Health & Quintiles are now





# Day 1 Agenda

Section	Speaker	Time	Item(s)
Introduction	Christian	9:00 - 10:00 (1 hour)	Introductions and Ground Rules Foundational <ul style="list-style-type: none"><li>• History of OMOP</li><li>• Why and How</li><li>• Birth of OHDSI</li></ul> Introduction to OMOP Common Data Model OHDSI Community Example of Remote Study VM Overview
Vocabulary – Part 1	Christian	10:00 – 10:30 (30 min)	Basic Relationship
Break	-	10:30 - 10:45 (15 min)	
Vocabulary – Part 2	Christian	10:45- 12:30 (1 hour & 45 min)	Ancestors & Descendants How does it work for Drugs SQL Examples



# Agenda (cont.)

Section	Time	Item(s)
Lunch	12:30 - 13:30 (1 hour)	-
Vocabulary – Part 3	13:30 - 14:00 (30 min)	Continued
Common Data Model	14:00 - 15:35 (1 hour & 30 min)	History of the model In depth discussion of model Era discussion Real World Scenario ETL Pitfalls
Break	15:30 - 15:45 (15 min)	-
CDM Examples	15:45 - 17:00 (1 hour & 16 min)	Leveraging OHDSI Tools (GitHub/Forums/Working Group) Exercises OHDSI Community Conclusion Game



# Day 2 Agenda

Section	Speaker	Time	Item(s)
Cohort Definition	Christian	9:00 - 10:00 (1 hour)	Introduction to building cohorts
Atlas	Mui	10:00 – 10:30 (30 min)	Data Source Concept Set
Break	-	10:30 - 10:45 (15 min)	
Atlas	Mui	10:45- 11:30 (45 min)	Cohort Building
Group Breakout	Mui	11:30 – 12:00 (30 minutes)	Picking groups and begin cohort building
Cohort Building	Mui	1:00 – 5:00 (30 minutes)	Build cohort as a group Break at (3:00)

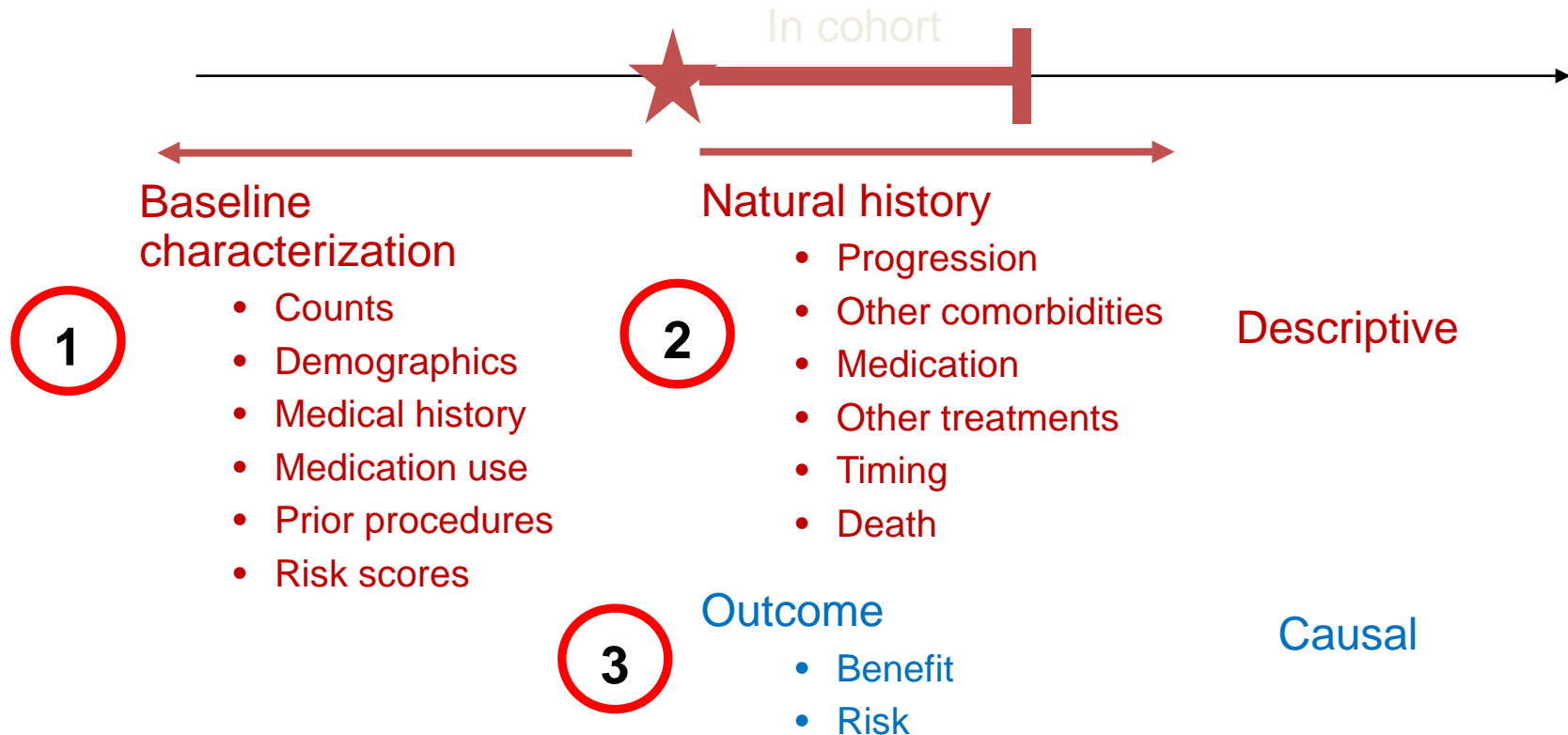


# Day 3 Agenda

Section	Speaker	Time	Item(s)
Population Estimation	Christian	9:00 - 5:00 (9 hour)	As a group, run one population estimation



# What are we studying?



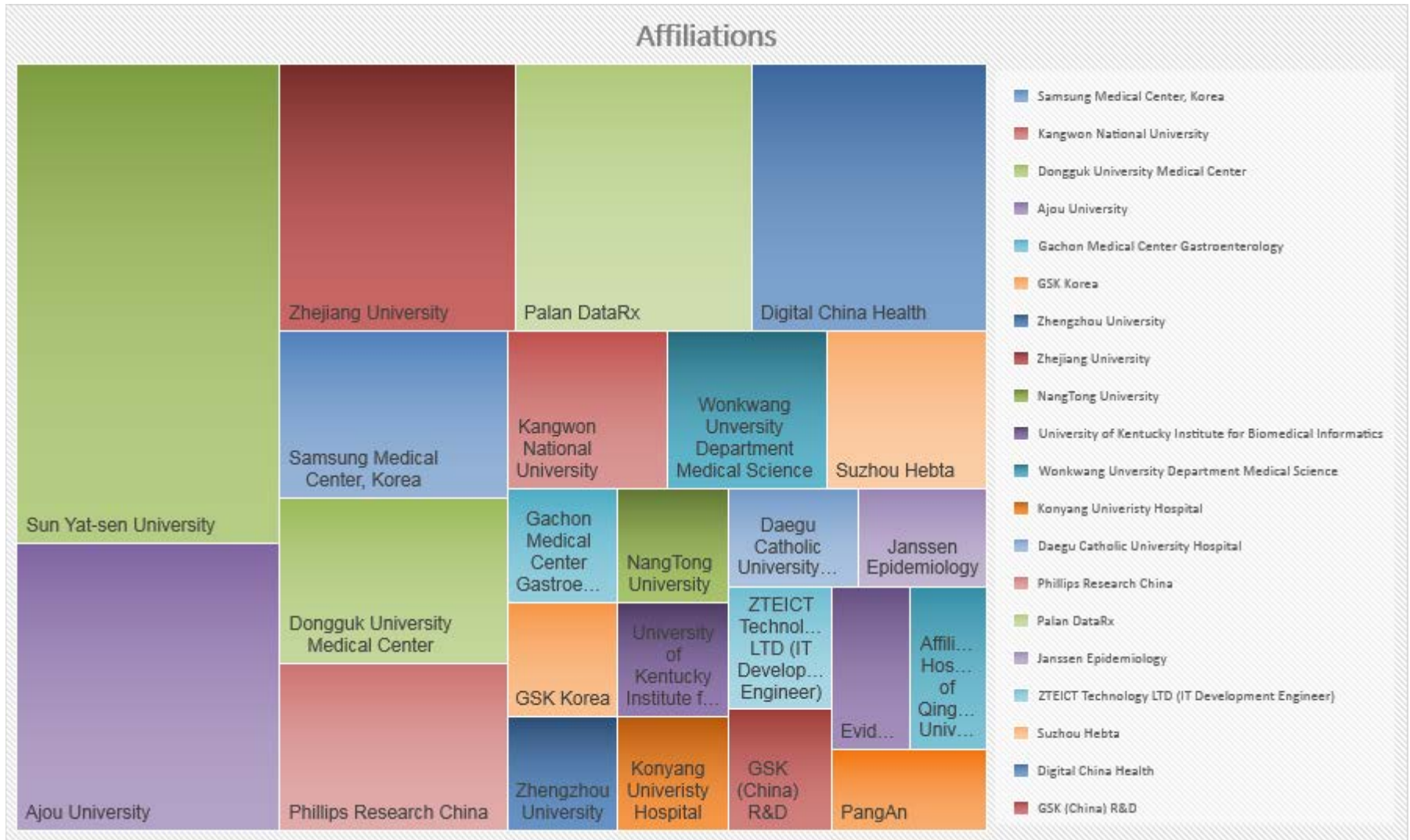


# Call for Study question

- Got one? Let us know and we will collect after lunch



# Who attended?







# Who Attended?

Title	Number
Student (Graduate/Master/PhD)	15
Researcher	6
Assistant Professor/Professor	6
Doctor	1
Software Architect	1
Data Manager	1
Senior Biostatistician	1
Scientist	1
Chief Terminologist & Senior Director of Medicine Terminology Dept	1
Senior Analyst	1
Principal Epidemiologist	1
Engineer	5
Junior Statistician	1
Radiologist	1



# Samples

- To compare the risk of *angioedema* between *new users of levetiracetam* and *new users of phenytoin*, we will estimate the population-level effect of exposure on the *hazards* of the outcome during the period from *1 day after exposure start* to *0 days after exposure end*
- To compare the risk of *hip fracture* between *new users of alendronate* and *new users of raloxifene*, we will estimate the population-level effect of exposure on the *hazards* of the outcome during the period from *1 day after exposure start* to *all time after exposure start (intent-to-treat)*
- To compare the risk of *HbA1c reduction, myocardial infarction, and eye disorders* between *patients who switch from metformin to sulfonylureas* and *patients who switch from metformin to DPP4-inhibitors*, we will estimate the population-level effect of exposure on the *hazards* of the outcome during the period from *1 day after exposure start* to *0 day after exposure end*