OHDSI Tutorial: Design and implementation of a comparative cohort study in observational healthcare data

Faculty:

James Weaver (Janssen Research and Development)

Alex Rekkas (Leiden University Medical Center, Erasmus University Medical Center Rotterdam)

Martijn Schuemie (Janssen Research and Development, UCLA)

Patrick Ryan (Janssen Research and Development)

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| **Time** |  |  |
| 8:30am-9:00am | Welcome, get settled, get laptops ready |  |
| 9:00am-10:15am | Presentation: Overview of the new-user cohort method design, large scale propensity scores and outcome models | Jamie Weaver |
| 10:15am-10:45am | Bring your own research questions | Patrick Ryan |
| 10:45am-11:00am | Coffee break |  |
| 11:00am-11:30am | Exercise: Dissect a published cohort study | Martijn Schuemie |
| 11:30am-12:30pm | Threats to the validity of study results | Alex Rekkas |
| 12:30pm-1:30pm | Lunch |  |
| 1:30pm-1:45pm | Exercise: Dissect a published cohort study | Alex Rekkas |
| 1:45pm-3:30pm | Presentation: Walkthrough of implementing a cohort study using ATLAS, and running the study package in R | Jamie Weaver |
| 3:30pm-3:45pm | Coffee break |  |
| 3:45pm-5:00pm | Exercise: Collaborate on the design of a study | Patrick Ryan |

The OHDSI tutorial computing environments are provided by Amazon Web Services:

ATLAS:

R-Studio: