# Minutes of OHDSI workgroup in Population Level Estimation

June 12, 2019

Present: Martijn Schuemie, Jaehyeong Cho, Teng Liaw, Jason Guo, Nicole Pratt, Andrew, Andre, Lillian, Junior Borelli, Chungsoo Kim, Jimyung Park, Chan You Seng, Seojeong Shin, Ian Wong

Teng and Jason present about their work

Electronic practice-based research network (ePBRN)

South-West Sydney

Network of GPs + emergency department, outpatient clinics, hospital admissions, etc.

Pseudonymisation -> hashing. Only re-identifiable in the source practice

Feedback to data sources (6-monthly feedback on data quality: conformance, completeness, plausibility)

Did literature research on CDMs. Decided on CDM

Hired students to do mapping. Two vocabulary mappers: second reviews mapping of first. Third mapper (Jason) resolves conflicts.

>100,000 terms needed to be mapped! Each EHR system uses its own vocabulary. Used Usagi for mapping.

Issues: limited coverage of some Australia-specific terms.

Some questions:

* How to handle duplicate diagnoses?
* What if data not available for mandatory fields?
* How to store linkage data?
* How to do data-quality after ETL? (beyond Achilles Heel)

Australian drugs in AMT. Mapping to ATC?

Found some major issue: Penadeine – paracetamol & codeine not in Vocab

Looking at characteristics of opioid users. Have reason of prescribing?

Will start to look at other types of data, like wearables

Research topics:

* Continuity of care
* Does ETL make difference? Working with Michael Khan.

Working with NPS to create Sydney-wide network.

Using probabilistic linkage. How to store in CDM? Martijn suggests Teng post on OHDSI forums

Next meeting: June 26. Martijn will present on best practices for ETLing