# Minutes of OHDSI workgroup in Population Level Estimation

February 1, 2018

Present: Jamie Weaver, Yuxi Tian, Anthony Sena, Evan Minty

Martijn presents on “Building the Large Evidence Generator”

Evan: Perhaps we could even learn from such an evidence base, and build predictive models for the prior probability of seeing an effect.

Yuxi: How does this answer the question which drug is better than others? Martijn: Using this evidence, one could start to answer this question. But that is about the use of the evidence. Here I’d first like to focus on generating the evidence.

Evan: This evidence should somehow feed into clinical decision support.

Yuxi: Running propensity models again after a data refresh that only adds a small chunk of new data is inefficient. Maybe we could use warm starts (initializing the logistic regression with the coefficients estimates in the last iteration so the regression will converge faster) when rerunning?

Evan: In order to motivate the work these questions need to be answered: What system problems does this solve? How does this improve health care?

Jamie and Anthony: We have been working on tools to support selecting appropriate comparators. This could also help define the questions to be answered by the evidence generator.