# Minutes of OHDSI workgroup in Population Level Estimation

July 5, 2018

Present: Martin Lavallee, Theresa Yu, Lee Evans, Alex Rekkas, Andrew Williams, Anthony Sena, George Hripcsak, Jamie Weaver, Jenna Reps, Kiliana Suzart-Woischnik, Qi Yang, Yuxi Tian

Martin Lavallee and Theresa Yu presented on their work developing the ICTPD algorithm and chronographs. Their developments coincided with Martijn’s work on implementing the chronographs in the ICTemporalPatternDiscovery package.

Martin and Theresa applied ICTPD to the CCAE to explore the relationship between statins and rhabdomyolysis. They used 4 analyses:

1. -180d - 1d control, 1-30 surveillance

2. -180d - 1d control, 1-360 surveillance

3. -180d - 1d & -30 - 1 control, 1-30 surveillance

4. -180d - 1d & -30 – 1 control, 1-360 surveillance

They improved performance of the algorithm by precomputing the marginal only once, allowing reuse when later new chronographs need to be computed. Martijn will help set up a Github repo to store and share their code.