Present: Jamie, Jenna, Andrew, Alex, Yangjx, Soledad, Anthony Sena, Stephen Pfohl, Yuxi. David Madigan

Jenna presents an overview of PLP in 2019. Focus was on best practices. Evaluating what the optimal design choices are:

* Data extraction strategy
* Loss to follow up
* Sample size
* Classifier algorithms

Currently investigating:

* Over/under sampling
* Generalizability

Henrik: learning curves, cool work

New features added to PLP:

* Survival models (still to explore: how to compute absolute risk)
* Transfer learning
* Added documentation website
* Improve runPlp efficiency
* OMOP CDM v6 support

Paper under review demonstrating external validation

Paper published on live study (during 2018 Symposium)

2020 focus:

* Continue best practices research
* Investigate transportable models
* Win the CMS competition!

Martijn: how to eval survival models?

David: I will send you some pointers on prior work on evaluating survival models

Andrew: colleagues at Tufts are making an inventory of (published) models

Andrew: Sysnet: collaboration on cancer screening

Andrew: trajectory modeling (hierarchical predictive models). Somewhat in between PLP and PLE

Andrew: data types. Mimic data from medical devices and monitors. Facilitate competitions?

Andrew: Peter Robinson. Human Phenotype Ontology

Martijn presents his work on small-count meta-analysis.

Martijn will contact Andrew on inviting people to talk at our meeting