

ADNI Biostatistics working group minutes
5 July 2011

Present on call: Laurel Beckett, Danielle Harvey, Fred Immerman, Niclas Sjogren, Peter Quarg, David Shera, Mike Donohue.

Laurel forwarded an announcement of the new LONI interface for downloading clinical and numerical summary data from ADNI. Mike Donohue noted that it will allow a much more selective download of specific tables, rather than just a data dump. Danielle added that you can specify data up to a certain close date. She added that there are some new features coming that will allow some online filtering, looking at data, and other more sophisticated access tools. They hope to open it up later this summer. Please send feedback to LONI, per instructions in the email.

The new interface also provides ADNI-GO and ADNI-2 data, primarily ongoing updates to clinical and neuropsych data. There have not been any updates to imaging. Some labs are trying to get presentations ready for ICAD and that would suggest that there may be uploads after; for example, some groups were going to try to take a look at the new sequences that were added to see if they give better images. This will also give a sense of what summaries will be submitted once they get going large scale.

Ongoing analyses are focusing on ADNI-1 data plus extended clinical follow-up on those people. Mike Donohue has been tracking baseline demographics of the new EMCI group, and they look as expected though numbers are small. Ron Petersen will be presenting at ICAD.

Danielle and Laurel were at the Friday Harbor neuropsych workshop and this year's efforts focused on ADNI. Five smaller working groups formed to try to write papers. Topics include IRT analysis of some of the neuropsych data, a group looking at GWAS data, and the other 3 groups focused on longitudinal analysis. One group is looking at nonlinearity and nonparametric/ Bayesian approaches, one at mediation, and one more at latent structure models. The groups are at various stages of development; one already had a draft by the end of the workshop, and others are earlier in development. Andy Saykin, the head of the Genetics Core, is going to organize a special issue in the journal he edits with a subset to go in this issue. Papers are to be submitted by Fall. Some groups plotted out a whole bunch of papers! There were 50 people there, all working on ADNI data; some had never worked with it before. The hope is that they will continue working with ADNI, from different backgrounds and expertise. The focus of the workshop each year is on longitudinal studies of aging with a focus each year on a different study. They have done Religious Orders study, also MAP and CHAP, and the Aging Brain study. Last year they looked at a bunch of studies from Canada. The announcement comes out around early winter. We can forward to the group.

The next scheduled call is August 2, at 10 AM Pacific time.