# How to report Linear Mixed Effects Models

## R code:

model1 = lmer(CHI\_MLU~ Visit + Diagnosis + (1+Visit|ID), Data)# the best model of ASD data

summary(model1) # looking into the model estimates

r.squaredGLMM(model1) #Getting the r-squred values (conditional and marginal)

We used R (R Core Team (2017)), and lme4 (Bates, Maechler, Bolker & Walker, 2015), MuMIn (Barton, 2016), and lmerTest (Kuznetsova, Brockhoff & Christensen, 2016) to perform a linear mixed effects analysis of the relationship between word production and diagnosis of ASD. As fixed effects, we entered visit and diagnosis (without interaction term) into the model. As random effects, we had by-ID random slopes and intercepts for visits.

The mothers MLU had a significantly positive effect on the amount of the MLU by a child (β = 0.34, se = 0.05, t-value = 6.92, p < .001). The verbal IQ also proved to have a significantly positive effect on MLU of the child (β = 0.065, se = 0.007, t-value = 9.51, p < .001). In other words, typically children with higher verbal IQ produce a greater amount of words in terms of MLU. The full model explained 81.3% of the variance in the outcome, while the fixed effects accounted for 55.9 % of the variance.

## Include table of the actual results

