Supplemental Material S2. Linear mixed-effects model on decline in speech perception.

WRCM_{ij} = β_0 + β_1 age_{ij} + β_2 agegroup_i + β_3 occupation_i + β_4 musicianship_i +

ß5musicianshipi*ageij + ß6CVi + U0i + eij

- WRCM_{ij} is the word recognition in competing message performance [% correct] of ith participant at jth occasion
- age_{ij} is the age (centered with baseline mean) of ith participant at jth occasion
- agegroup_i is the age group of ith participant at baseline (groups: 40-59; 60-69; 70+ years)
- occupation, is the education of the ith participant at baseline
- musicianshipi is the musicianship status of ith participant at baseline
- CV_i is the vector of covariates at baseline of ith participant
- U_{0i} is the random intercept
- e_{ij} is the residual