

Supplemental Materials

LowHigh_Hearing_Measures.pdf. This file provides code and instructions for how to produce the low and high frequency hearing measures used in this study.

Supplemental Figure 1. Low frequency hearing was not significantly associated with gray matter (GM) volume in the left Te 1.0 (top) and left Te 1.2 (bottom) at Time 1 and Time 2.

SuppMaterial_Vents.gif. The attached gif shows change in the lateral ventricle for a male participant (70 years-old at Time 1) who exhibited elevated high frequency thresholds (e.g., right ear 3000 Hz: 60 dB HL at Time 1) with an expansion of the lateral ventricles over 2.5 years (shown left). This participant is compared to a male participant (84 years-old at Time 1) who exhibited lower high frequency thresholds (e.g., right ear 3000 Hz: 25 dB HL at Time 1) with less expansion of their lateral ventricles over 1.8 years (shown right). The statistical results shown in Figure 4 were performed with Jacobian images that had been adjusted for differences in time between visits. The renderings were created using the ALVIN Lateral Ventricle Segmentation toolbox (https://www.nitrc.org/projects/alvin_lv/) and MRICroGL <https://www.nitrc.org/projects/mricrogl/>.