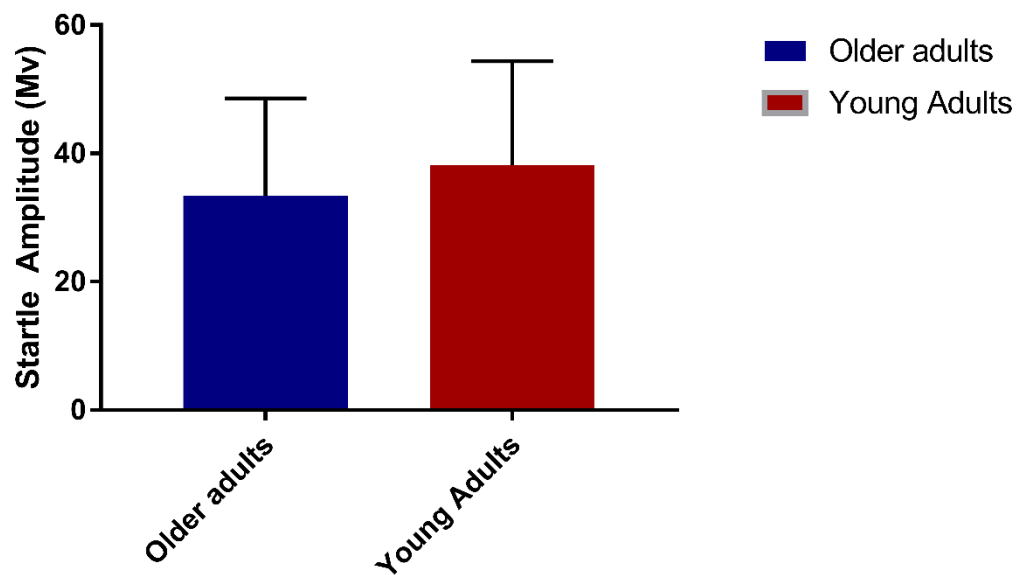
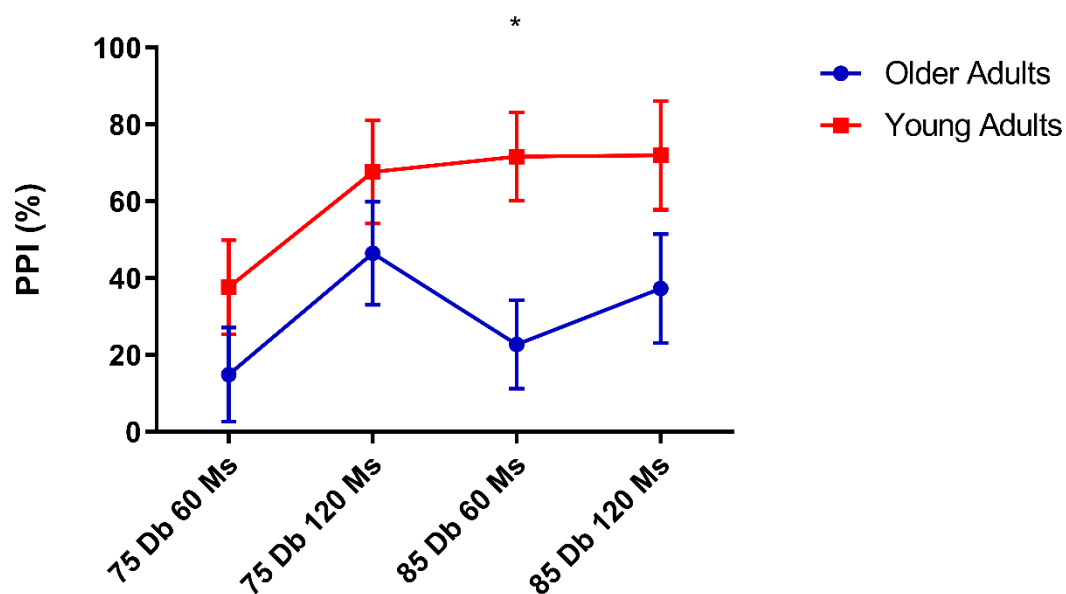


**Supplementary Figure 1: Comparing 50% of older adults sample with higher startle and 50% of young adults with lower startle**



Mann Whitney did not reveal differences in startle between groups  $N=14$ . Mean = 33.4 (SD=24.1) Young adults ( $N=7$ ), Mean 38.17 (SD= 31.4 )Older adults ( $N=7$ ).  $U=23$   $P=0.85$



ANOVA found no within - subject interaction (interval/intensity of prepulse + age) effect on PPI:  $F[3,36]=p=0.08$ . Mixed Anova revealed a significant effect of age group on PPI between groups:  $F[1, 12]=4.92.8$   $P=0.04$ . Repeated measure Anova: 75db 60ms: Mean = 14.9 (older), 37.66 (young  $N=7$ ) –  $F[1,12]=1.73$ ,  $p=0.2$ ; 75 db 120 ms: Mean= 46.47 (older), 67.64 (young)

–  $F[1,12] = 1.24$   $p = 0.017$ ; 85 db 60 ms: Mean= 22.74 (older), 71.64 (young) –  $F[1,12] = 8.98$   
 $p = 0.01$ ; 85 db 120 ms: Mean=37.28 (older), 71.96 (young) –  $F[1,12] = 3$   $p = 0.1$ .