

## Supplemental Material

### Supplementary Table S1: Results from Independent Samples T-Tests comparing covariates between inconsistent hearing aid users and hearing aid non-users.

The two groups did not significantly differ by any collected covariate metric.

	<b>t</b>	<b>df</b>	<b>p</b>
Age	-1.479	30.647	0.149
Sex	-0.377	31.516	0.709
Race	-0.802	25.134	0.430
Hearing loss severity	-1.291	24.093	0.209
Hearing loss asymmetry	-0.830	22.850	0.415
Hearing loss duration (years)	-1.152	26.829	0.260
ARS	1.466	42.054	0.150
Glasses	-0.601	33.904	0.552
Diabetes	0.304	29.067	0.763
Stroke	N/a <sup>a</sup>		
Cognitive decline	-1.273	20.023	0.218
Previous falls	-1.098	21.043	0.285

*Note.* Welch's t-test.

<sup>a</sup> No inconsistent HA users experienced a stroke.

**Supplementary Table S2: Logistic Regression Model output for odds of falling in inconsistent hearing aid users compared to consistent hearing aid users (reference).**

	Estimate	Robust Standard Error	Odds Ratio	z	Wald Test			95% Confidence interval (odds ratio scale)	
					Wald Statistic	df	p	Lower bound	Upper bound
(Intercept)	0.802	2.059	2.229	0.389	0.157	1	0.697	0.039	126.210
Incons. HA user	1.297	0.524	3.658	2.475	6.547	1	<b>0.013</b>	1.310	10.213
Sex	-0.102	0.366	0.903	-0.278	0.078	1	0.781	0.441	1.850
Age	-0.036	0.029	0.965	-1.246	1.628	1	0.213	0.912	1.021
HL severity	0.011	0.012	1.011	0.929	0.851	1	0.353	0.988	1.034
ARS	0.127	0.098	1.135	1.288	1.500	1	0.198	0.936	1.376

**Supplementary Table S3: Logistic Regression Model for odds of being at risk for falls in inconsistent hearing aid users compared to consistent hearing aid users (reference).**

	Estimate	Robust Standard Error	Odds Ratio	z	Wald Test			95% Confidence interval (odds ratio scale)	
					Wald Statistic	df	p	Lower bound	Upper bound
(Intercept)	-1.860	2.110	0.156	-0.881	0.879	1	0.378	0.002	9.746
Incons. HA user	0.923	0.507	2.516	1.821	3.286	1	0.069	0.932	6.790
Sex	-0.101	0.354	0.904	-0.286	0.082	1	0.775	0.451	1.810
Age	-0.001	0.029	0.999	-0.036	0.001	1	0.971	0.945	1.057
HL severity	0.014	0.011	1.014	1.256	1.474	1	0.209	0.992	1.036
ARS	0.232	0.102	1.262	2.276	5.276	1	0.023	1.033	1.541