

Supplemental Material S3. Results of GLM analysis of outcome measures performed for separate hearing-loss subgroups.

GLM analyses for subgroups with either mild or moderate audiometric hearing loss for PHAB global (primary) and HHIE total benefit (secondary) at 6 weeks (S2) and 6 months (S3) for ITT analyses only.

Mild Hearing Loss

Table S1. Boot-strapped (N=1000, Bias-Corrected and accelerated, BCa) General Linear Model (GLM) analyses of primary (PHAB global) and secondary (HHIE total benefit) outcomes.

Dependent Variable: PHAB global S2						
Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	3898.180	11	354.380	2.130	.018	.076
Intercept	71492.214	1	71492.214	429.788	<.001	.600
Site	3181.554	3	1060.518	6.375	<.001	.063
Fit Method	134.294	2	67.147	.404	.668	.003
Site * Fit Method	669.157	6	111.526	.670	.674	.014
Error	47574.123	286	166.343			
Total	122797.354	298				
Corrected Total	51472.303	297				
R ² = .076 (Adjusted R ² = .04)						

Dependent Variable: PHAB global S3						
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Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	4060.616	11	369.147	2.206	.014	.078
Intercept	65229.589	1	65229.589	389.865	<.001	.577
Site	3181.400	3	1060.467	6.338	<.001	.062
Fit Method	360.810	2	180.405	1.078	.342	.007
Site * Fit Method	440.713	6	73.452	.439	.852	.009
Error	47851.640	286	167.313			
Total	116265.906	298				
Corrected Total	51912.256	297				
R ² = .078 (Adjusted R ² = .043)						

Dependent Variable: HHIE total Benefit S2						
Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	10071.234	11	915.567	3.264	<.001	.112
Intercept	116150.652	1	116150.652	414.079	<.001	.591
Site	6267.735	3	2089.245	7.448	<.001	.072
Fit Method	1224.719	2	612.359	2.183	.115	.015
Site * Fit Method	2008.084	6	334.681	1.193	.310	.024
Error	80224.068	286	280.504			
Total	201701.733	298				
Corrected Total	90295.302	297				
R ² = .112 (Adjusted R ² = .077)						

Dependent Variable: HHIE total Benefit S3						
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Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	8179.796	11	743.618	2.525	.005	.089
Intercept	126862.101	1	126862.101	430.819	<.001	.601
Site	3700.021	3	1233.340	4.188	.006	.042
Fit Method	1251.294	2	625.647	2.125	.121	.015
Site * Fit Method	2687.092	6	447.849	1.521	.171	.031
Error	84217.567	286	294.467			
Total	220031.160	298				
Corrected Total	92397.363	297				
R ² = .089 (Adjusted R ² = .053)						

Moderate Hearing Loss

Table S2. Boot-strapped (N=1000, Bias-Corrected and accelerated, BCa) General Linear Model (GLM) analyses of primary (PHAB global) and secondary (HHIE total benefit) outcomes.

Dependent Variable: PHAB global S2						
Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	2067.329	11	187.939	.784	.656	.039
Intercept	69875.839	1	69875.839	291.439	<.001	.578
Site	1429.005	3	476.335	1.987	.117	.027
Fit Method	237.163	2	118.582	.495	.611	.005
Site * Fit Method	270.901	6	45.150	.188	.980	.005
Error	51069.128	213	239.761			
Total	122141.752	225				
Corrected Total	53136.457	224				

$R^2 = .039$ (Adjusted $R^2 = .011$)						
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Dependent Variable: PHAB global S3						
Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	2292.803	11	208.437	.922	.520	.045
Intercept	67847.234	1	67847.234	300.019	<.001	.585
Site	1556.810	3	518.937	2.295	.079	.031
Fit Method	224.823	2	112.412	.497	.609	.005
Site * Fit Method	438.835	6	73.139	.323	.924	.009
Error	48168.543	213	226.143			
Total	117951.461	225				
Corrected Total	50461.345	224				
$R^2 = .045$ (Adjusted $R^2 = .004$)						

Dependent Variable: HHIE total Benefit S2						
Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	4854.590	11	441.326	1.329	.210	.064
Intercept	112646.448	1	112646.448	339.301	<.001	.614
Site	1490.347	3	496.782	1.496	.217	.021
Fit Method	889.066	2	444.533	1.339	.264	.012
Site * Fit Method	2389.445	6	398.241	1.200	.308	.033
Error	70714.985	213	331.995			
Total	192590.910	225				
Corrected Total	75569.575	224				

R ² = .064 (Adjusted R ² = .016)						
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Dependent Variable: HHIE total Benefit S3						
Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	5404.325	11	491.302	1.307	.222	.063
Intercept	138985.004	1	138985.004	369.808	<.001	.635
Site	3033.343	3	1011.114	2.690	.047	.037
Fit Method	873.988	2	436.994	1.163	.315	.011
Site * Fit Method	1497.026	6	249.504	.664	.679	.018
Error	80051.802	213	375.830			
Total	226117.452	225				
Corrected Total	85456.128	224				
R ² = .063 (Adjusted R ² = .015)						