

Supplementary Materials

Sensitivity Analysis

We recoded the baseline comorbidity as follows:

if comor_bsl in ("External", "Both") then EXT="Yes"; else EXT="No";

if comor_bsl in ("Internal", "Both") then INT="Yes"; else INT="No";

Then we test whether the interaction of EXT and INT is significant. If it is not, we remove it from the model.

Table S1. Mild AUD.

Analysis of Maximum Likelihood Estimates								
Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	Label
dm1c	Female	1	-0.33699	0.07746	18.9275	<0.0001	0.714	dm1c Female
ethnicity	African American	1	0.09709	0.24669	0.1549	0.6939	1.102	ethnicity African American
ethnicity	European American	1	0.52354	0.24029	4.7470	0.0294	1.688	ethnicity European American
TypeFAM	0	1	-0.30609	0.11626	6.9321	0.0085	0.736	TypeFAM 0
EXT	No	1	-0.43215	0.08060	28.7493	<0.0001	0.649	EXT No
INT	No	1	0.05629	0.12035	0.2188	0.6400	1.058	INT No

Hazard Ratios for dm1c			
Description	Point Estimate	95% Wald Confidence Limits	
dm1c Female vs Male	0.714	0.613	0.831

Hazard Ratios for ethnicity			
Description	Point Estimate	95% Wald Confidence Limits	
ethnicity African American vs European American	0.653	0.551	0.773
ethnicity African American vs Other	1.102	0.679	1.787
ethnicity European American vs Other	1.688	1.054	2.703

Hazard Ratios for TypeFAM			
Description	Point Estimate	95% Wald Confidence Limits	
TypeFAM 0 vs 1	0.736	0.586	0.925

Hazard Ratios for EXT			
Description	Point Estimate	95% Wald Confidence Limits	
EXT No vs Yes	0.649	0.554	0.760

Hazard Ratios for INT			
Description	Point Estimate	95% Wald Confidence Limits	
INT No vs Yes	1.058	0.836	1.339

Table S2. Moderate AUD.

Analysis of Maximum Likelihood Estimates								
Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	Label
dm1c	Female	1	-0.49120	0.10135	23.4876	<0.0001	0.612	dm1c Female
ethnicity	African American	1	-0.84174	0.24302	11.9970	0.0005	0.431	ethnicity African American
ethnicity	European American	1	-0.03497	0.22664	0.0238	0.8774	0.966	ethnicity European American
TypeFAM	0	1	-0.97938	0.20410	23.0268	<0.0001	0.376	TypeFAM 0
EXT	No	1	-0.72638	0.10289	49.8354	<0.0001	0.484	EXT No
INT	No	1	-0.32432	0.12724	6.4967	0.0108	0.723	INT No

Hazard Ratios for dm1c			
Description	Point Estimate	95% Wald Confidence Limits	
dm1c Female vs Male	0.612	0.502	0.746

Hazard Ratios for ethnicity			
Description	Point Estimate	95% Wald Confidence Limits	
ethnicity African American vs European American	0.446	0.353	0.565
ethnicity African American vs Other	0.431	0.268	0.694
ethnicity European American vs Other	0.966	0.619	1.506

Hazard Ratios for TypeFAM			
Description	Point Estimate	95% Wald Confidence Limits	
TypeFAM 0 vs 1	0.376	0.252	0.560

Hazard Ratios for EXT			
Description	Point Estimate	95% Wald Confidence Limits	
EXT No vs Yes	0.484	0.395	0.592

Hazard Ratios for INT			
Description	Point Estimate	95% Wald Confidence Limits	
INT No vs Yes	0.723	0.563	0.928

Table S3. Severe AUD.

Analysis of Maximum Likelihood Estimates								
Parameter		DF	Parameter Estimate	Standard Error	Chi-Square	Pr > ChiSq	Hazard Ratio	Label
dm1c	Female	1	-0.35835	0.11508	9.6962	0.0018	0.699	dm1c Female
ethnicity	African American	1	-1.46388	0.23796	37.8449	<0.0001	0.231	ethnicity African American
ethnicity	European American	1	-0.46109	0.21186	4.7367	0.0295	0.631	ethnicity European American
TypeFAM	0	1	-1.13628	0.25066	20.5498	<0.0001	0.321	TypeFAM 0
EXT	No	1	-1.26470	0.12310	105.5528	<0.0001	0.282	EXT No
INT	No	1	-0.51987	0.13301	15.2770	<0.0001	0.595	INT No

Hazard Ratios for dm1c			
Description	Point Estimate	95% Wald Confidence Limits	
dm1c Female vs Male	0.699	0.558	0.876

Hazard Ratios for ethnicity			
Description	Point Estimate	95% Wald Confidence Limits	
ethnicity African American vs European American	0.367	0.277	0.487
ethnicity African American vs Other	0.231	0.145	0.369
ethnicity European American vs Other	0.631	0.416	0.955

Hazard Ratios for TypeFAM			
Description	Point Estimate	95% Wald Confidence Limits	
TypeFAM 0 vs 1	0.321	0.196	0.525

Hazard Ratios for EXT			
Description	Point Estimate	95% Wald Confidence Limits	
EXT No vs Yes	0.282	0.222	0.359

Hazard Ratios for INT			
Description	Point Estimate	95% Wald Confidence Limits	
INT No vs Yes	0.595	0.458	0.772