

Supplementary Table 1. Bivariate correlations across all participants who had data from no more than two out of six scans excluded ( $N = 38$ ).

Measure	LC-MRI	HF-HRV	LF-HRV	RMSSD	Trait Anxiety	Age
LC-MRI	-					
Contrast						
HF-HRV	-.54** [-.73, -.27]	-				
LF-HRV	.13 [-.20, .43]	-.12 [-.42, .21]	-			
RMSSD	-.47** [-.69, -.18]	.85** [.73, .92]	-.03 [-.35, .29]	-		
Trait Anxiety	-.23 [-.51, .10]	.27 [-.05, .54]	-.40* [-.64, .09]	.31† [-.01, .57]	-	
Age	.24 [-.09, .52]	-.46** [-.68, -.16]	.46** [.16, .68]	-.44** [-.67, -.14]	-.44** [-.67, -.14]	-

\*\* $p < .01$ ; \* $p < .05$ ; †  $p < .1$

Supplementary Table 2. Partial correlations controlling for age across all participants who had data from no more than two out of six scans excluded ( $N = 38$ ).

Measure	LC-MRI	HF-HRV	LF-HRV	RMSSD	Trait Anxiety
LC-MRI Contrast	-				
HF-HRV	-.50** [-.71, -.22]	-			
LF-HRV	.02	.12	-		

	[-.30, .34]	[-.21, .42]			
RMSSD	-.42*	.82**	.22	-	
	[-.65, -.12]	[.68, .90]	[-.12, .50]		
Trait Anxiety	-.12	.03	-.20	.10	-
	[-.42, .21]	[-.29, .35]	[-.49, .13]	[-.22, .41]	

\*\* $p < .01$ ; \* $p < .05$ ; †  $p < .1$

Supplementary Table 3. Bivariate correlations among younger adults who had data from no more than two out of six scans excluded ( $N = 25$ ).

Measure	LC-MRI	HF-HRV	LF-HRV	RMSSD	Trait Anxiety
LC-MRI Contrast	-				
HF-HRV	-.41*	-			
	[-.69, -.02]				
LF-HRV	.03	.31	-		
	[-.37, .42]	[-.10, .63]			
RMSSD	-.32	.82**	.38†	-	
	[-.64, .09]	[.63, .92]	[-.02, .67]		
Trait Anxiety	-.08	.04	-.22	.09	-
	[-.46, .33]	[-.36, .43]	[-.57, .19]	[-.32, .47]	

\*\* $p < .01$ ; \* $p < .05$ ; †  $p < .1$ ; ‡  $p = .1$

Supplementary Table 4. Bivariate correlations among older adults who had data from no more than two out of six scans excluded ( $N = 13$ ).

Measure	LC-MRI	HF-HRV	LF-HRV	RMSSD	Trait Anxiety
LC-MRI Contrast	-				
HF-HRV	-.65** [-.88, -.15]	-			
LF-HRV	-.02 [-.56, .54]	-.22 [-.69, .38]	-		
RMSSD	-.58* [-.86, -.04]	.81** [.47, .94]	-.06 [-.59, .51]	-	
Trait Anxiety	-.29 [-.72, .31]	.07 [-.50, .60]	-.16 [-.65, .43]	.22 [-.38, .69]	-

\*\* $p < .01$ ; \* $p < .05$ ; †  $p < .1$ ;