Supplemental Table 1: Summary of available data for analyses

	Number lost	Participants with data
Original sample		**310**
Sample with behavioral data at age 20		**258**
- Parent requested drop out	10	
- Target youth requested drop out	3	
- Incarcerated	10	
- In the military	5	
- Deceased	1	
- Unable to locate	11	
- Hard to contact/probable drop outs	12	
Total lost	52	
Sample with imaging data at age 20		**186**
- Concussion/head injury	25	
- Bullets/metal fragments	15	
- Braces	2	
- Phone interviews (out of the area)	5	
- Refused MRI portion of the visit	7	
- Living at home/treatment facility (too ill to participate in fMRI – schizophrenia, autism, car accident)	4	
- Claustrophobic	8	
- Left before scanning portion/wanted to stop scan	4	
- Did not physically fit in the bore	1	
- Reported being currently on drugs	1	
Total Lost	72	
Sample with usable imaging data at age 20		**167**
- Incidental findings on sMRI	2	
- Poor amygdala coverage (< 90%)	7	
- Poor performance on task (< 75%)	1	
- Slept during scan	1	
- Excessive movement/outliers	1	
- Psychosis	4	
- Appeared to be on drugs and/or not responding to task	3	
Total Lost	19	

Supplemental Table 2: Zero-order correlations of main study behavioral variables

	Self-report AB	APD Symptoms	CU Traits	Adult Arrest	Early vs. Late starting AB	Early and Late AB vs. Low AB	GAD	Depression	Alcohol Abuse	Alcohol Dependence	Drug Abuse	Drug Dependence
APD symptoms	.413**											
CU Traits	.123	.097										
Adult Arrest	.189*	.135	.220**									
Early vs. Late starting AB	.383**	.193*	.198*	.136								
Early and Late starting vs. Low AB	.452**	.357**	.246**	.220**	.934**							
GAD	.027	.034	-.021	.130	.025	.031						
Depression	.149	.159*	.151	.058	.178*	.193*	.113					
Alcohol Abuse	.372**	.275**	.027	.123	.148	.191*	-.024	-.018				
Alcohol Dependence	.515**	.348**	.045	.109	.218**	.242**	.147	.079	.511**			
Drug Abuse	.456**	.455**	.139	.284**	.171*	.241**	.014	.194*	.405**	.465**		
Drug Dependence	.459**	.371**	.190*	.107	.165*	.238**	.028	.256**	.183*	.308**	.664**	
Social Anxiety Disorder	.040	.044	.010	.024	-.011	.024	.020	-.058	-.067	-.023	.057	.143

Note: * p< .05; ** p < .01. Early, Late Starting and Low AB were derived from Trajectory groupings described in the Methods; AB = Antisocial Behavior. APD = Antisocial Personality Disorder. CU = Callous Unemotional. GAD = Generalized Anxiety Disorder Symptoms. Depression = Major Depressive Episode symptoms. All alcohol and drug measures were symptom counts within each diagnosis.

Supplemental Table 3: Neural reactivity correlates of dimensions of antisocial behavior by parent-reported race

Measure	Race	Direction of relationship	Basolateral ROI (MNI) t and voxel extent (k)	Centromedial ROI (MNI) t and voxel extent (k)
Fear > Neutral				
No relationships with measures of CU found in either group				
Self-report AB	EA	ns		
	AA	-		Left: -22, -4, -10 t = 3.61, k = 16 Right: 28, -6, -10 t = 3.85, k = 44^
APD symptoms	EA	ns		
	AA	ns		
Anger > Neutral				
No relationships in either group with measures of AB or CU traits				
Fear > Shapes				
Self-report AB	EA	ns		
	AA	-		Left: -22, -4, -10; t = 3.61, k=16 Right: 28, -6, -10; t = 3.85, k = 44
APD symptoms	EA	ns		
	AA	ns		
No relationships in either group with CU traits				
Anger > Shapes				
No relationships with measures of AB found in either group				
CU traits	EA	ns		
	AA	+	Left: -20 -8 -22; t = 3.87, k = 42^	
Neutral > Shapes				
No relationships with measures of AB or CU traits within either group found				

Note: ^ = findings that emerged also with formal tests of moderation (i.e., an interaction term between behavior and race was correlated with this cluster within SPM8). EA = European American, AA = African American; AB = Antisocial Behavior. APD = Antisocial Personality Disorder. CU = Callous Unemotional. MNI = coordinates in the atlas by the Montreal Neurological Institute.

Supplemental Table 4: Neural reactivity correlates of age of onset and arrest record behavior by parent-reported race

Measure	Race	Direction	Basolateral ROI (MNI) t and voxel extent (k)	Centromedial ROI (MNI) t and voxel extent (k)
Fear> Neutral				
Adult Arrest	EA	ns		
	AA	+	Left: -18, -4, -24 t = 4.52, k = 77	
Age of Onset	EA	ns		
	AA	ns		
Anger> Neutral				
Adult Arrest	EA	ns		
	AA	ns		
Age of Onset	EA	ns		
	AA	ns		
Fear > Shapes				
Adult Arrests	EA	ns		
	AA	+	Left: -18 -4 -24 t = 4.52, k = 77	
Age of Onset	EA	ns		
	AA	ns		
Anger > Shapes				
Adult Arrest	EA	ns		
	AA	ns		
Age of Onset	EA	ns		
	AA	ns		
Neutral > shapes				
Adult Arrests	EA	ns		
	AA	ns		
Age of Onset	EA	ns		
	AA	ns		

Note: EA = European American. AA = African American. AB = Antisocial Behavior. MNI = coordinates in the atlas by the Montreal Neurological Institute.
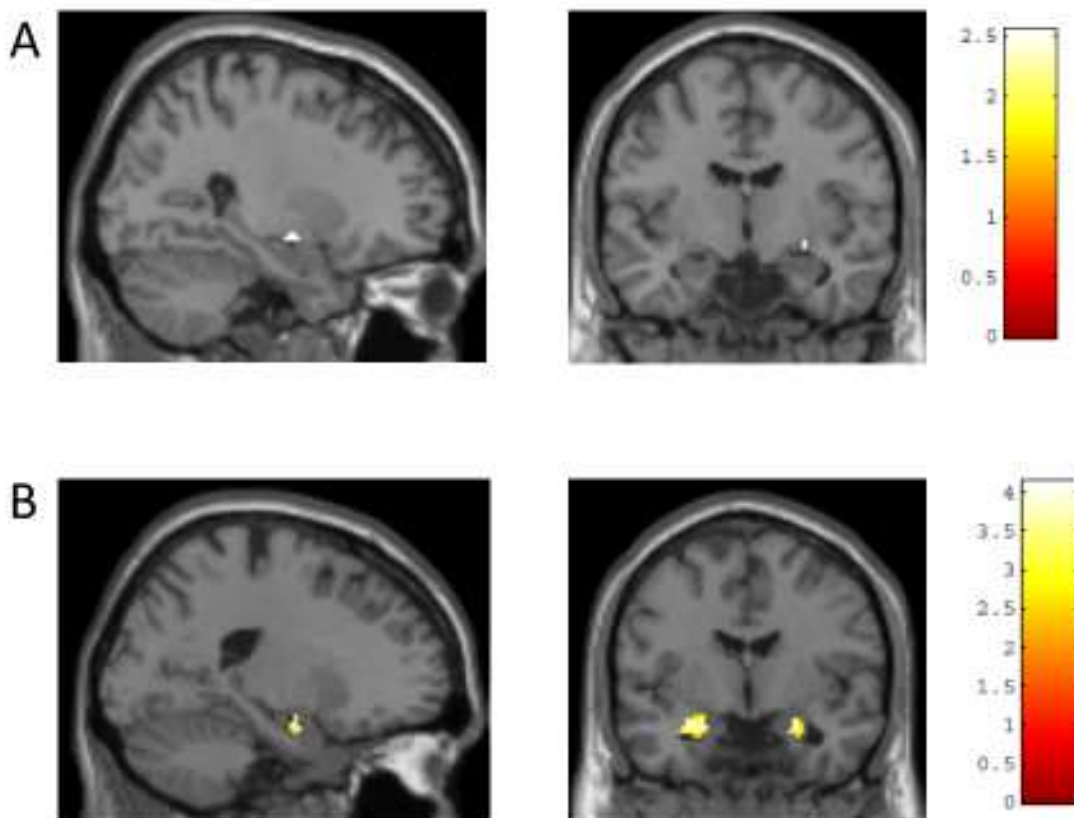
Supplemental Table 5: Descriptive statistics for measures of antisocial behavior across total and European and African American subsamples.

Measure	Sample	Mean	Standard Deviation	Min - Max	Difference between EA and AA samples
Dimensional measures of AB and CU traits					
Self-reported AB	Total	62.87	7.76	53 – 88	
	AA	66.16	6.41	53 – 82	$t(149) = -1.70$
	EA	63.86	8.79	53 – 88	
APD symptoms	Total	.55	1.31	0 – 7	
	AA	.61	1.48	0 – 7	$t(151) = -.80$
	EA	.44	1.16	0 – 5	
CU traits	Total	7.58	1.70	5 – 14	
	AA	8.03	1.84	5 – 14	$t(151) = -2.72**$
	EA	7.28	1.59	5 – 12	
Person-centered measures of AB					
Age of onset	Total	Low AB = 104 Early starters = 31 Late starters = 22			
	AA	Low AB = 38 Early starters = 15 Late starters = 8			$\chi^2(2) = 1.59$
	EA	Low AB = 59 Early starters = 14 Late starters = 9			
Adult arrest	Total	No arrests = 123 One or more arrests = 44			
	AA	No arrests = 44 One or more arrests = 22			$\chi^2(2) = 5.30*$
	EA	No arrests = 72 One or more arrests = 15			

Note: * $p < .05$, ** $p < .01$. EA = European American. AA = African American. AB = Antisocial Behavior. APD = Antisocial Personality Disorder. CU = Callous Unemotional.

Supplemental Figure 1: Different measures of antisocial behavior demonstrate divergent relationships with centro-medial versus basolateral amygdala reactivity.

Caption: (A) **Clinical ratings of antisocial behavior are negatively related to amygdala reactivity to fearful faces:** APD symptoms are negatively related to amygdala reactivity to fearful faces versus shapes in the right centro-medial amygdala region of interest (centered on right peak voxel, MNI: 28, -10, -10, t = 2.74, k = 9). (B) **Young men with a history of being arrested as an adult demonstrate greater amygdala reactivity to fearful faces:** Bilateral amygdala reactivity differentiates those who have versus those who have not been arrested in the basolateral amygdala region of interest centered on the peak voxel in the left basolateral amygdala (MNI: -20, -4, -20, t = 4.12, k = 104; right cluster MNI: 24, -4, -18, t = 4.01, k = 44).