Table S1: Early Poverty Predicting Hormones, Hippocampal Volume, Emotion Dysregulation and Depression <u>Controlling for Early</u> <u>Depression</u>

	Predi	ction fro with T1	m T1 Inc Depress	come-to- ion as a	Needs in Covariate	Prediction from Interaction between T1 Income- to-Needs and sex in Step 2 with T1 Depression as a Covariate						
Outcome Variable	В	Lower 95% CI	Upper 95% CI	t	p	<i>R2</i> Adj Step 1	В	Lower 95% CI	Upper 95% CI	t	ρ	R2 Adj Step 2
Testosterone Slope	.073	.0076	.140	2.18	.031	.843	.052	012	.117	1.60	.112	844
Hippocampal Slope	.236	.08	.393	2.98	.003	.066	.061	137	.036	-1.15	.253	.063
T9 Emotion Dysregulation	284	449	119	-3.40	.001	.196	114	275	.047	-1.41	.163	.203
T9 Child Depression Inventory	189	369	008	-2.07	.041	.076	147	323	.029	-1.65	.101	.090

Table S2: Early Poverty Predicting Hormones, Hippocampal Volume, Emotion Dysregulation and Depression <u>Controlling for Pubertal</u> <u>Status at T9</u>

	Predi w	ction fro ith T9 Pւ	m T1 Inc ubertal S	come-to- itatus as	Needs in a Covaria	Prediction from Interaction between T1 Income- to-Needs and sex in Step 2 with T9 Pubertal Status as a Covariate						
Outcome Variable	В	Lower 95% CI	Upper 95% CI	t	p	<i>R2</i> Adj Step 1	В	Lower 95% CI	Upper 95% CI	t	ρ	R2 Adj Step 2
Testosterone Slope	.082	.012	.152	2.32	.022	.827	.053	016	.122	1.53	.129	.829
Hippocampal Slope	.280	.115	.445	3.35	.001	.061	.019	145	.183	0.23	.820	.054
T9 Emotion Dysregulation	352	514	190	-4.29	<.001	.097	087	247	.074	-1.07	.289	.098
T9 Child Depression Inventory	244	411	077	-2.89	.005	.074	141	307	.024	-1.69	.093	.087

	Predi	ction fro	m T1 Inc	:ome-to-	Needs in	Prediction from Interaction between T1 Income- to-Needs and Sex in Step 2						
Outcome Variable	В	Lower 95% CI	Upper 95% CI	t	р	R2 Adj Step 1	В	Lower 95% Cl	Upper 95% CI	t	p	R2 Adj Step 2
Amygdala Slope	.029	126	.185	.371	.711	.006	108	264	.047	-1.38	.171	.001
Caudate Slope	058	217	.102	714	.476	.004	065	225	.095	801	.424	.002
Dorsal Anterior Cingulate Slope	036	194	.121	0.453	.651	.005	.059	100	.217	0.731	.466	.003
Dorsolateral Prefrontal Cortex Slope	082	240	.076	-1.02	.309	.005	079	237	.079	982	.327	.007

Table S3: Early Poverty Predicting Amygdala, Caudate, Dorsal Anterior Cingulate, and Dorsolateral Prefrontal Volumes

FDR Adjusted *ps* *<.05; ** < .01, ***<.005

	Predi	ction fro	om Testo	sterone	Slope in S	Prediction from Interaction between Testosterone Slope and Sex in Step 2						
Outcome Variable	В	Lower 95% CI	Upper 95% CI	t	р	<i>R2</i> Adj Step 1	В	Lower 95% CI	Upper 95% CI	t	p	R2 Adj Step 2
Amygdala Slope	085	474	.303	-0.43	.665	007	1.36	166	2.886	1.76	.08	.005
Caudate Slope	.058	347	.463	.284	.777	.002	-1.01	-2.61	.591	-1.25	.215	.002
Dorsal Anterior Cingulate Slope	.208	187	.603	1.04	.299	.010	629	-2.19	.933	795	.428	.008
Dorsolateral Prefrontal Cortex Slope	.092	290	.475	0.48	.634	.010	-1.23	-2.74	.272	-1.62	.108	.010

Table S4: Testosterone Slopes Predicting Amygdala, Caudate, Dorsal Anterior Cingulate, and Dorsolateral Prefrontal Volumes

FDR Adjusted *ps* *<.05; ** < .01, ***<.005

Supplemental Figure Captions

Figure S1. Study Flow: MRI 2 was approx. 18 months after MRI 1, MRI 3 was 15 months after MRI 2, MRI 4 was 41 months after MRI 3 (due to time between grant cycles)

Figure S2: Results of Serial Mediation Model Between Early Poverty and Adolescent

Depression Controlling for Early Depression. The top of the figure illustrates the components of the serial mediation model using the Hayes notation. The chart at the bottom illustrates all of the individually significant indirect effects.

Figure S3: Results of Serial Mediation Model Between Early Poverty and Adolescent Depression Controlling for T9 Pubertal Status. The top of the figure illustrates the components of the serial mediation model using the Hayes notation. The chart at the bottom illustrates all of the individually significant indirect effects.

Figure S4. Results of Serial Mediation Model Between Early Poverty and Adolescent Depression Using MRI3 Emotion Dysregulation. The top of the figure illustrates the components of the serial mediation model using the Hayes notation. The chart at the bottom illustrates all of the individually significant indirect effects





+ p<.10; *<.05; ** p<.01; *** p<.005; Covariates = Depression at T1 & Age at T9 & Gender

	Significant Indirect Effects										
T1 Income- to-Needs	→	Testosterone	→	Hippocampal Slope	>	Emotion Dysregulation	>	Depression	Effect =0047 +/-95% BOOT CI =0173 ↔0004		
T1 Income- to-Needs	→	Testosterone	→	Hippocampal Slope			→	Depression	Effect = .0106 +/-95% BOOT CI = .0009 ↔ .0352		
T1 Income- to-Needs			→	Hippocampal Slope			→	Depression	Effect = .0577 +/-95% BOOT CI = .013 ↔ .1271		
T1 Income- to-Needs			→	Hippocampal Slope	>	Emotion Dysregulation	>	Depression	Effect =0254 +/-95% BOOT CI =0701 ↔0063		
T1 Income- to-Needs					→	Emotion Dysregulation	>	Depression	Effect =0898 +/-95% BOOT CI =2005 ↔0204		



+ p<.10; *<.05; ** p<.01; *** p<.005; Covariates = Age at T9, Gender & Pubertal Status at T9

	Significant Indirect Effects										
T1 Income- to-Needs	→	Testosterone	→	Hippocampal Slope	>	Emotion Dysregulation	>	Depression	Effect =0033 +/-95% BOOT CI =0125 ↔0004		
T1 Income- to-Needs	→	Testosterone	→	Hippocampal Slope			→	Depression	Effect = .0052 +/-95% BOOT CI = .0005 ↔0199		
T1 Income- to-Needs			→	Hippocampal Slope			>	Depression	Effect = .0406 +/-95% BOOT CI = .0076 ↔ .1060		
T1 Income- to-Needs			>	Hippocampal Slope	>	Emotion Dysregulation	>	Depression	Effect =0256 +/-95% BOOT CI =0659 ↔0079		
T1 Income- to-Needs					>	Emotion Dysregulation	>	Depression	Effect =1457 +/-95% BOOT CI =2753 ↔0583		



+ p<.10; *<.05; ** p<.01; *** p<.005; Covariates = Age at T9 & Gender

	Significant Indirect Effects										
T1 Income- to-Needs	→	Testosterone	→	Hippocampal Slope	→	Emotion Dysregulation	>	Depression	Effect =0016 +/-95% BOOT CI =0092 ↔0001		
T1 Income- to-Needs	→	Testosterone	→	Hippocampal Slope			¥	Depression	Effect = .0046 +/-95% BOOT CI = .0001 ↔0225		
T1 Income- to-Needs			→	Hippocampal Slope			¥	Depression	Effect = .0341 +/-95% BOOT CI = .0007 ↔ .0983		
T1 Income- to-Needs			→	Hippocampal Slope	¥	Emotion Dysregulation	>	Depression	Effect =012 +/-95% BOOT CI =0432 ↔0016		
T1 Income- to-Needs					→	Emotion Dysregulation	>	Depression	Effect =0787 +/-95% BOOT CI =1805 ↔0220		