Breastfeeding Structural

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1 Participant Characteristics

	Full Sample	Boys	Girsl
$\mathrm{Total}(N)$	149	73	76
Age (Mean [range], yrs)	9.0 [7.1 - 12.0]	9.0 [7.1 - 12.0]	9.0 [7.1 - 11.8]
BMI (Mean [range])	17.8 [13.8 - 31.9]	17.7 [13.9 - 31.9]	17.9 [13.8 - 25.9]
Percent of CDC 85th %tile (Mean [range])	94.0 [70.1 - 168.8]	94.7 [72.7 - 168.8]	93.4 [70.1 - 131.1]
BMI %tile (Mean [range])	59.9 [5 - 99]	59.3 [5 - 99]	60.5 [6.1 - 98]
$\operatorname{Race}(N)$. ,	. ,	. ,
Black/AA	7	5	2
White	136	64	72
Other/Mixed	6	4	2
$\operatorname{Ethnicity}(N)$			
Hispanic/Latino	6	3	3
Not H/L	120	59	61
NA	1	1	0
SES(N)			
>\$100,000	49	26	23
\$50,000-\$100,000	69	30	39
<\$50,000	28	16	12
NA	0	0	0
Maternal Education (N)			
> BA	50	22	28
BA	54	30	24
Associates/Technical	18	7	11
HighSchool	15	8	7
Other/NA	0	0	0
< High School Diploma/GED	0	0	0
Paternal Education (N)			
> BA	57	28	29
BA	38	22	16
Associates/Technical	15	5	10
HighSchool	23	9	14
Other/NA	1	1	0
< HighSchoolDiploma/GED	1	1	0
BreastFed $3cat(N)$			
> 6months	54	24	30
4-6months	55	29	26
0-3months	40	20	20

1.1 Age

data: cAge_yr by sex
t = 0.20787, df = 146.95, p-value = 0.8356
alternative hypothesis: true difference in means is not equal to 0
95 percent confidence interval:
 -0.3526448 0.4355526
sample estimates:
mean in group Female mean in group Male

9.006104 8.964650

1.2 BMI

Welch Two Sample t-test

Welch Two Sample t-test

1.3 BMI percentile

Welch Two Sample t-test

1.4 Maternal Ed

Fisher's Exact Test for Count Data

data: mED.sex_tab
p-value = 0.6517

alternative hypothesis: two.sided

1.5 Paternal Ed

Fisher's Exact Test for Count Data

data: pED.sex_tab p-value = 0.244

alternative hypothesis: two.sided

1.6 Race

Fisher's Exact Test for Count Data

data: race.sex_tab p-value = 0.3346

alternative hypothesis: two.sided

1.7 Ethnicity

Fisher's Exact Test for Count Data

data: ethnicity.sex_tab

p-value = 1

alternative hypothesis: true odds ratio is not equal to 1

95 percent confidence interval:

0.1245066 7.5172554

sample estimates:

odds ratio 0.9674603

1.8 SES

Fisher's Exact Test for Count Data

data: income.sex_tab p-value = 0.3825

alternative hypothesis: two.sided

2 3.1 Descriptive Statistics for Covariates

2.1 SR

2.1.1 Age

Pearson's product-moment correlation

2.1.2 TIV

Pearson's product-moment correlation

2.1.3 Sex

Welch Two Sample t-test

2.1.4 Maternal Education

Anova Table (Type II tests)

Response: cebq_SR Sum Sq Df F value Pr(>F) mEducation_cat 0.746 3 0.6863 0.562 Residuals 47.102 130

2.1.5 Income

Anova Table (Type II tests)

Response: cebq_SR

Sum Sq Df F value Pr(>F)

income_3cat 2.429 2 3.3458 0.03807 *

Residuals 50.821 140

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

2.1.6 Premature

Welch Two Sample t-test

data: cebq_SR by cPreMat

t = 0.94111, df = 20.749, p-value = 0.3575

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

-0.1753275 0.4647940

sample estimates:

mean in group No mean in group Yes

2.897674 2.752941

2.2 %BMIp85

2.2.1 Age

Pearson's product-moment correlation

data: BFstructural_Dat\$cAge_yr and BFstructural_Dat\$cdc_p85th
t = 1.379, df = 144, p-value = 0.17
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 -0.04919698 0.27157561
sample estimates:
 cor
0.1141638

2.2.2 TIV

Pearson's product-moment correlation

data: BFstructural_Dat\$TIV and BFstructural_Dat\$cdc_p85th
t = 0.85574, df = 144, p-value = 0.3936
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 -0.09238515 0.23091094
sample estimates:
 cor
0.07113075

2.2.3 Sex

Welch Two Sample t-test

2.2.4 Maternal Education

Anova Table (Type II tests)

Response: cdc_p85th

Residuals 3.02667 130

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

2.2.5 Income

Anova Table (Type II tests)

Response: cdc_p85th

Residuals 3.3045 140

2.2.6 Prematurity

Welch Two Sample t-test

data: cdc_p85th by cPreMat

t = 1.5838, df = 29.484, p-value = 0.1239

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

-0.01245349 0.09821069

sample estimates:

2.3 Left Hippocampus

2.3.1 Age

Pearson's product-moment correlation

data: BFstructural_Dat\$cAge_yr and BFstructural_Dat\$lHip_21
t = 2.6322, df = 144, p-value = 0.00941
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.05367256 0.36403114
sample estimates:
 cor
0.2142529

2.3.2 TIV

Pearson's product-moment correlation

data: BFstructural_Dat\$TIV and BFstructural_Dat\$1Hip_21
t = 11.039, df = 144, p-value < 2.2e-16
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.5781747 0.7563017
sample estimates:
 cor
 0.6770337</pre>

2.3.3 Sex

Welch Two Sample t-test

2.3.4 Maternal Education

Anova Table (Type II tests)

Response: lHip_21

Residuals 8.0587 130

2.3.5 Income

Anova Table (Type II tests)

Response: lHip_21

Residuals 8.2973 140

Signif. codes: 0 '*** 0.001 '** 0.01 '* 0.05 '.' 0.1 ' ' 1

2.3.6 Prematurity

Welch Two Sample t-test

data: lHip_21 by cPreMat

t = 2.2391, df = 21.321, p-value = 0.03593

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

0.009569609 0.255978957

sample estimates:

mean in group No mean in group Yes 2.948182 2.815407

2.4 Right Hippocampus

2.4.1 Age

Pearson's product-moment correlation

2.4.2 TIV

Pearson's product-moment correlation

data: BFstructural_Dat\$TIV and BFstructural_Dat\$rHip_22
t = 10.044, df = 144, p-value < 2.2e-16
alternative hypothesis: true correlation is not equal to 0
95 percent confidence interval:
 0.5351887 0.7283432
sample estimates:
 cor
 0.6418356</pre>

2.4.3 Sex

Welch Two Sample t-test

2.4.4 Maternal Education

Anova Table (Type II tests)

Response: rHip_22

Sum Sq Df F value Pr(>F) mEducation_cat 0.2642 3 1.107 0.3488

Residuals 10.3430 130

2.4.5 Income

Anova Table (Type II tests)

Response: rHip_22

Sum Sq Df F value Pr(>F) income_3cat 0.9412 2 6.1613 0.002726 **

Residuals 10.6933 140

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

2.4.6 Prematurity

Welch Two Sample t-test

data: rHip_22 by cPreMat

t = 2.4797, df = 25.482, p-value = 0.0201

alternative hypothesis: true difference in means is not equal to 0

95 percent confidence interval:

0.02343983 0.25195054

sample estimates:

mean in group No mean in group Yes 3.283357 3.145662

- 3 3.2 Path Analyses
- 3.1 3.2.1 Path Model for Left Hippocampus (Figure 1B).

Table 1: Fit Statistics for Model: BF -> SR (L Hipp Med) -> p85th BMI

	x
chisq	3.497
df	3.000
pvalue	0.321
baseline.chisq	138.482
baseline.df	27.000
baseline.pvalue	0.000
cfi	0.996
tli	0.960
logl	1.517
bic2	43.197
rmsea	0.036
rmsea.ci.lower	0.000
${\it rmsea.ci.upper}$	0.156
rmsea.pvalue	0.459
srmr	0.013

Table 2: Parameters for Model: BF -> SR (L Hipp Med) -> p85th BMI

	lhs	op	rhs	est	se	Z	pvalue
1	$cebq_SR$	~	mEducation_dummy	-0.028	0.056	-0.502	0.615
2	$\operatorname{cebq_SR}$	~	income_dummy	0.232	0.082	2.836	0.005
3	$cebq_SR$	~	$cPreMat_dummy$	-0.176	0.152	-1.151	0.250
4	$cebq_SR$	~	$BreastFed_3cat_dummy$	0.011	0.065	0.173	0.863
5	$cebq_SR$	~	TIV_scale	-0.037	0.074	-0.496	0.620
6	$cebq_SR$	~	Study_dummy	0.017	0.036	0.466	0.641
7	$cebq_SR$	~	$cAge_yr$	-0.020	0.044	-0.454	0.650
8	$cebq_SR$	~	sex_dummy	0.099	0.112	0.882	0.378
9	$cebq_SR$	~	lHip_21	-0.171	0.291	-0.587	0.557
10	lHip_21	~	TIV_scale	0.158	0.017	9.269	0.000
11	lHip_21	~	Study_dummy	-0.014	0.011	-1.289	0.197
12	lHip_21	~	$cAge_yr$	0.038	0.013	3.012	0.003
13	lHip_21	~	sex_dummy	-0.012	0.033	-0.374	0.709
14	lHip_21	~	$cPreMat_dummy$	-0.034	0.046	-0.751	0.452
15	lHip_21	~	$BreastFed_3cat_dummy$	0.038	0.019	1.993	0.046
16	cdc_p85th	~	TIV_scale	0.040	0.019	2.160	0.031
17	$\mathrm{cdc}_\mathrm{p}85\mathrm{th}$	~	Study_dummy	-0.002	0.009	-0.182	0.856
18	$\mathrm{cdc}_\mathrm{p}85\mathrm{th}$	~	$cAge_yr$	0.017	0.011	1.564	0.118
19	$\mathrm{cdc}_\mathrm{p}85\mathrm{th}$	~	sex_dummy	-0.003	0.028	-0.125	0.901
20	$\mathrm{cdc}_\mathrm{p}85\mathrm{th}$	~	lHip_21	-0.144	0.072	-1.993	0.046
21	cdc_p85th	~	mEducation_dummy	-0.051	0.014	-3.683	0.000
22	$\mathrm{cdc}_\mathrm{p85th}$	~	income_dummy	0.020	0.021	0.947	0.344
23	cdc_p85th	~	cPreMat_dummy	-0.039	0.038	-1.021	0.307
24	cdc_p85th	~	$\operatorname{cebq_SR}$	-0.047	0.022	-2.125	0.034
64	$\frac{1}{1}$ $\frac{1}$:=	a1*b1a2	-0.006	0.012	-0.563	0.573
65	$SRMed_lHip2p85th$:=	b1a2*b2	0.008	0.014	0.566	0.571

3.1.1 Post-Hoc Tests for Breastfeeding

Welch Two Sample t-test

Welch Two Sample t-test

Welch Two Sample t-test

>6mo 0-3mo 4-6mo 2.932576 2.865345 2.983718

3.2	3.2.1 Path Model for Left Hippocampus: Sensitivity Test - Effect of Breast-feeding

Table 3: Fit Statistics for Sensitivity Test: direct effect of breastfeeding on p85 BMI

	х
chisq	2.574
df	2.000
pvalue	0.276
baseline.chisq	138.482
baseline.df	27.000
baseline.pvalue	0.000
cfi	0.995
tli	0.930
logl	1.979
bic2	43.986
rmsea	0.047
${\it rmsea.ci.lower}$	0.000
${\it rmsea.ci.upper}$	0.186
rmsea.pvalue	0.386
srmr	0.009

Table 4: Parameters for Sensitivity Test: direct effect of breastfeeding on p85 BMI

lhs	op	rhs	est	se	Z	pvalue
$cebq_SR$	~	mEducation_dummy	-0.028	0.056	-0.502	0.615
$cebq_SR$	~	income_dummy	0.232	0.082	2.836	0.005
$cebq_SR$	~	cPreMat_dummy	-0.176	0.152	-1.151	0.250
$cebq_SR$	~	BreastFed_3cat_dummy	0.011	0.065	0.173	0.863
$cebq_SR$	~	TIV_scale	-0.037	0.074	-0.496	0.620
$cebq_SR$	~	Study_dummy	0.017	0.036	0.466	0.641
$cebq_SR$	~	$cAge_yr$	-0.020	0.044	-0.454	0.650
$cebq_SR$	~	sex_dummy	0.099	0.112	0.882	0.378
$cebq_SR$	~	lHip_21	-0.171	0.291	-0.587	0.557
$lHip_21$	~	TIV_scale	0.158	0.017	9.269	0.000
$lHip_21$	~	$Study_dummy$	-0.014	0.011	-1.289	0.197
$lHip_21$	~	$cAge_yr$	0.038	0.013	3.012	0.003
$lHip_21$	~	sex_dummy	-0.012	0.033	-0.374	0.709
$lHip_21$	~	$cPreMat_dummy$	-0.034	0.046	-0.751	0.452
$l\mathrm{Hip}_21$	~	$BreastFed_3cat_dummy$	0.038	0.019	1.993	0.046
${\rm cdc_p85th}$	~	TIV_scale	0.040	0.019	2.153	0.031
${\rm cdc_p85th}$	~	Study_dummy	-0.001	0.009	-0.124	0.901
${\rm cdc_p85th}$	~	$cAge_yr$	0.016	0.011	1.458	0.145
${\rm cdc_p85th}$	~	sex_dummy	0.000	0.028	-0.006	0.995
${\rm cdc_p85th}$	~	lHip_21	-0.133	0.073	-1.825	0.068
${\rm cdc_p85th}$	~	mEducation_dummy	-0.053	0.014	-3.754	0.000
${\rm cdc_p85th}$	~	$income_dummy$	0.023	0.021	1.073	0.283
$cdc_p85th \sim cF$		$cPreMat_dummy$	-0.039	0.038	-1.020	0.308
cdc_p85th	~	$\operatorname{cebq_SR}$	-0.046	0.022	-2.118	0.034
cdc_p85th	~	BreastFed_3cat_dummy	-0.016	0.016	-0.960	0.337

3.3 3.2.1 Path Model for Left Hippocampus: Sensitivity Test - Adjusting Hippocampal Volume for Income

Table 5: Fit Statistics for Sensitivity Test: adjusting hippocampal volume for income

	x
chisq	2.964
df	2.000
pvalue	0.227
baseline.chisq	138.482
baseline.df	27.000
baseline.pvalue	0.000
cfi	0.991
tli	0.883
logl	1.784
bic2	44.376
rmsea	0.061
${\it rmsea.ci.lower}$	0.000
rmsea.ci.upper	0.194
rmsea.pvalue	0.333
srmr	0.013

Table 6: Parameters for Sensitivity Test: adjusting hippocampal volume for income

lhs	op	rhs	est	se	Z	pvalue
$cebq_SR$	~	mEducation_dummy	-0.028	0.056	-0.502	0.615
$cebq_SR$	~	income_dummy	0.232	0.082	2.831	0.005
$cebq_SR$	~	cPreMat_dummy	-0.176	0.152	-1.151	0.250
$cebq_SR$	~	BreastFed_3cat_dummy	0.011	0.065	0.173	0.863
$cebq_SR$	~	TIV_scale	-0.037	0.074	-0.498	0.618
$cebq_SR$	~	Study_dummy	0.017	0.036	0.466	0.641
$cebq_SR$	~	$cAge_yr$	-0.020	0.044	-0.453	0.650
$cebq_SR$	~	sex_dummy	0.099	0.112	0.881	0.378
$cebq_SR$	~	lHip_21	-0.171	0.292	-0.586	0.558
$lHip_21$	~	TIV_scale	0.156	0.017	9.034	0.000
$lHip_21$	~	$Study_dummy$	-0.013	0.011	-1.177	0.239
$lHip_21$	~	$cAge_yr$	0.038	0.013	3.048	0.002
$lHip_21$	~	sex_dummy	-0.014	0.033	-0.415	0.678
$lHip_21$	~	$cPreMat_dummy$	-0.035	0.045	-0.772	0.440
		$BreastFed_3cat_dummy$	0.036	0.019	1.879	0.060
$lHip_21$	~	$income_dummy$	0.016	0.022	0.731	0.465
${\rm cdc_p85th}$	~	TIV_scale	0.040	0.019	2.169	0.030
$\mathrm{cdc}_\mathrm{p85th}$	~	$Study_dummy$	-0.002	0.009	-0.182	0.856
$\mathrm{cdc}_\mathrm{p85th}$	~	$cAge_yr$	0.017	0.011	1.563	0.118
${\rm cdc_p85th}$	~	sex_dummy	-0.003	0.028	-0.125	0.901
cdc_p85th	~	lHip_21	-0.144	0.072	-1.987	0.047
cdc_p85th	~	mEducation_dummy	-0.051	0.014	-3.683	0.000
$cdc_p85th \sim income_dum$		$income_dummy$	0.020	0.021	0.944	0.345
${\rm cdc_p85th}$	~	$\operatorname{cPreMat_dummy}$	-0.039	0.038	-1.020	0.308
cdc_p85th	~	$cebq_SR$	-0.047	0.022	-2.125	0.034

3.4 3.2.2 Path Model for Right Hippocampus (Figure 1C).

Table 7: Fit Statistics for Model: BF -> SR (R Hipp Med) -> p85th BMI

	X
chisq	2.652
$\mathrm{d}\mathrm{f}$	3.000
pvalue	0.448
baseline.chisq	123.303
baseline.df	27.000
baseline.pvalue	0.000
cfi	1.000
tli	1.033
logl	-22.845
bic2	91.922
rmsea	0.000
rmsea.ci.lower	0.000
${\it rmsea.ci.upper}$	0.141
rmsea.pvalue	0.582
srmr	0.013

Table 8: Parameters for Model: BF -> SR (R Hipp Med) -> p85th BMI

	lhs	op	rhs	est	se	Z	pvalue
1	cebq_SR	~	mEducation_dummy	-0.025	0.056	-0.455	0.649
2	$cebq_SR$	~	income_dummy	0.232	0.082	2.828	0.005
3	$\operatorname{cebq_SR}$	~	$cPreMat_dummy$	-0.175	0.152	-1.146	0.252
4	$\operatorname{cebq_SR}$	~	BreastFed_3cat_dummy	0.012	0.066	0.189	0.850
5	$cebq_SR$	~	TIV_scale	-0.041	0.072	-0.571	0.568
6	$cebq_SR$	~	Study_dummy	0.017	0.036	0.461	0.645
7	$cebq_SR$	~	$cAge_yr$	-0.021	0.043	-0.497	0.619
8	$cebq_SR$	~	sex_dummy	0.098	0.112	0.876	0.381
9	$cebq_SR$	~	$rHip_22$	-0.137	0.245	-0.559	0.576
10	$rHip_22$	~	TIV_scale	0.171	0.020	8.434	0.000
11	$rHip_22$	~	Study_dummy	-0.019	0.013	-1.537	0.124
12	$rHip_22$	~	$cAge_yr$	0.035	0.015	2.335	0.020
13	$rHip_22$	~	sex_dummy	-0.016	0.040	-0.402	0.688
14	$rHip_22$	~	$cPreMat_dummy$	-0.033	0.054	-0.601	0.548
15	$rHip_22$	~	$BreastFed_3cat_dummy$	0.054	0.023	2.404	0.016
16	cdc_p85th	~	TIV_scale	0.026	0.018	1.449	0.147
17	cdc_p85th	~	Study_dummy	-0.001	0.009	-0.080	0.936
18	$\mathrm{cdc}_\mathrm{p}85\mathrm{th}$	~	$cAge_yr$	0.014	0.011	1.254	0.210
19	$\mathrm{cdc}_\mathrm{p}85\mathrm{th}$	~	sex_dummy	-0.004	0.028	-0.126	0.900
20	cdc_p85th	~	$rHip_22$	-0.054	0.061	-0.888	0.374
21	cdc_p85th	~	mEducation_dummy	-0.048	0.014	-3.424	0.001
22	cdc_p85th	~	income_dummy	0.016	0.021	0.777	0.437
23	$\mathrm{cdc}_{-\mathrm{p}85\mathrm{th}}$	~	cPreMat_dummy	-0.036	0.039	-0.932	0.351
24	$\mathrm{cdc}_\mathrm{p}85\mathrm{th}$	~	$cebq_SR$	-0.045	0.022	-2.046	0.041
64	${\rm rHipMed_BF2SR}$:=	a1*b1a2	-0.007	0.014	-0.544	0.586
65	$SRMed_rHip2p85th$:=	b1a2*b2	0.006	0.012	0.539	0.590

3.4.1 Post-Hoc Tests for Breastfeeding

Welch Two Sample t-test

Welch Two Sample t-test

Welch Two Sample t-test

>6mo 0-3mo 4-6mo 3.288617 3.180627 3.311463 3.5 3.2.1 Path Model for Right Hippocampus: Sensitivity Test - Direct Effect of Breastfeeding

Table 9: Fit Statistics for Sensitivity Test: direct effect of breastfeeding on p85 BMI

	х
chisq	1.470
df	2.000
pvalue	0.479
baseline.chisq	123.303
baseline.df	27.000
baseline.pvalue	0.000
cfi	1.000
tli	1.074
logl	-22.254
bic2	92.453
rmsea	0.000
${\it rmsea.ci.lower}$	0.000
${\it rmsea.ci.upper}$	0.158
rmsea.pvalue	0.584
srmr	0.008

Table 10: Parameters for Sensitivity Test: direct effect of breastfeeding on p85 BMI

lhs	op	rhs	est	se	Z	pvalue
cebq SR	~	mEducation dummy	-0.025	0.056	-0.455	0.649
$cebq_SR$	~	income_dummy	0.232	0.082	2.828	0.005
$cebq_SR$	~	cPreMat_dummy	-0.175	0.152	-1.146	0.252
$cebq_SR$	~	BreastFed_3cat_dummy	0.012	0.066	0.189	0.850
$cebq_SR$	~	TIV_scale	-0.041	0.072	-0.571	0.568
$cebq_SR$	~	$Study_dummy$	0.017	0.036	0.461	0.645
$cebq_SR$	~	$cAge_yr$	-0.021	0.043	-0.497	0.619
$cebq_SR$	~	sex_dummy	0.098	0.112	0.876	0.381
$cebq_SR$	~	$rHip_22$	-0.137	0.245	-0.559	0.576
$rHip_22$	~	TIV_scale	0.171	0.020	8.434	0.000
$rHip_22$	~	$Study_dummy$	-0.019	0.013	-1.537	0.124
$rHip_22$	~	$cAge_yr$	0.035	0.015	2.335	0.020
$rHip_22$	~	sex_dummy	-0.016	0.040	-0.402	0.688
$rHip_22$	~	$cPreMat_dummy$	-0.033	0.054	-0.601	0.548
$rHip_22$	~	$BreastFed_3cat_dummy$	0.054	0.023	2.404	0.016
${\rm cdc_p85th}$	~	TIV_scale	0.026	0.018	1.426	0.154
${\rm cdc_p85th}$	~	$Study_dummy$	0.000	0.009	-0.009	0.993
${\rm cdc_p85th}$	~	$cAge_yr$	0.012	0.011	1.137	0.256
${\rm cdc_p85th}$	~	sex_dummy	0.000	0.028	0.011	0.991
${\rm cdc_p85th}$	~	rHip_22	-0.041	0.062	-0.668	0.504
${\rm cdc_p85th}$	~	$mEducation_dummy$	-0.050	0.014	-3.520	0.000
cdc_p85th	~	$income_dummy$	0.020	0.021	0.919	0.358
${\rm cdc_p85th}$	~	$cPreMat_dummy$	-0.036	0.039	-0.930	0.352
${\rm cdc_p85th}$	~	$cebq_SR$	-0.045	0.022	-2.037	0.042
cdc_p85th	~	$BreastFed_3cat_dummy$	-0.018	0.017	-1.086	0.277

Table 11: Fit Statistics for Sensitivity Test: adjusting hippocampal volume for income

	х
chisq	1.464
df	2.000
pvalue	0.481
baseline.chisq	123.303
baseline.df	27.000
baseline.pvalue	0.000
cfi	1.000
tli	1.075
logl	-22.251
bic2	92.446
rmsea	0.000
${\it rmsea.ci.lower}$	0.000
${\it rmsea.ci.upper}$	0.158
rmsea.pvalue	0.585
srmr	0.011

Table 12: Parameters for Sensitivity Test: adjusting hippocampal volume for income

lhs	op	rhs	est	se	Z	pvalue
cebq SR	~	mEducation_dummy	-0.025	0.056	-0.455	0.649
$cebq_SR$	~	income dummy	0.232	0.082	2.818	0.005
$cebq_SR$	~	cPreMat_dummy	-0.175	0.152	-1.146	0.252
$cebq_SR$	~	BreastFed_3cat_dummy	0.012	0.066	0.189	0.850
$cebq_SR$	~	TIV_scale	-0.041	0.071	-0.574	0.566
$cebq_SR$	~	Study_dummy	0.017	0.036	0.462	0.644
$cebq_SR$	~	$cAge_yr$	-0.021	0.043	-0.497	0.619
$cebq_SR$	~	sex_dummy	0.098	0.112	0.876	0.381
$cebq_SR$	~	$rHip_22$	-0.137	0.246	-0.556	0.578
$rHip_22$	~	TIV_scale	0.167	0.020	8.170	0.000
$rHip_22$	~	Study_dummy	-0.018	0.013	-1.375	0.169
$rHip_22$	~	$cAge_yr$	0.036	0.015	2.393	0.017
$rHip_22$	~	sex_dummy	-0.018	0.040	-0.466	0.642
$rHip_22$	~	$cPreMat_dummy$	-0.034	0.054	-0.632	0.527
$rHip_22$	~	$BreastFed_3cat_dummy$	0.051	0.023	2.244	0.025
$rHip_22$	~	$income_dummy$	0.028	0.026	1.093	0.275
${\rm cdc_p85th}$	~	TIV_scale	0.026	0.018	1.457	0.145
$\mathrm{cdc}_\mathrm{p85th}$	~	$Study_dummy$	-0.001	0.009	-0.080	0.936
$\mathrm{cdc}_\mathrm{p85th}$	~	$cAge_yr$	0.014	0.011	1.252	0.210
${\rm cdc_p85th}$	~	sex_dummy	-0.004	0.028	-0.126	0.900
${\rm cdc_p85th}$	~	$rHip_22$	-0.054	0.061	-0.882	0.378
${\rm cdc_p85th}$	~	mEducation_dummy	-0.048	0.014	-3.424	0.001
${\rm cdc_p85th}$	~	$income_dummy$	0.016	0.021	0.772	0.440
${\rm cdc_p85th}$	~	$cPreMat_dummy$	-0.036	0.039	-0.932	0.351
cdc_p85th	~	$cebq_SR$	-0.045	0.022	-2.046	0.041