Breastfeeding Structural

Contents

1 Participant Characteristics

1.1 By Sex

	Full Sample	Boys	Girsl
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]
Obesity Status(*N*)			
Obese	41	9	11
Not Obese	129	64	65
Weight Class(*N*)			
Obese	20	9	11
Overweight	21	10	11
Healthy Weight	108	54	54
Ethnicity(*N*)			
Hispanic/Latino	6	3	3
Not H/L	120	59	61
NA	1	1	0
Race(*N*)			
Black/AA	7	5	2
White	136	64	72
Other/Mixed	6	4	2
NA	0	0	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
$< HighSchoolDiploma/GED$	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 6mo(*N*)			
$> 6months$	92	45	47
$< 6months$	57	28	29
BreastFed 3cat(*N*)			
$> 6months$	54	24	30
$4-6months$	55	29	26
$0-3months$	40	20	20

1.2 By Breastfeeding Categories

	Full Sample	0-3mo	4-6 mo	>6mo
Total(*N*)	149	40	55	54
Age (*Mean [range], yrs*)	9.0 [7.1 - 12]	9.0 [7.1 - 10.9]	9.2 [7.2 - 12.0]	8.8 [7.1 - 11.8]
BMI (*Mean [range]*)	17.8 [13.8 - 31.9]	18.5 [14.4 - 25.9]	17.4 [14.1 - 27.7]	17.6 [13.8 - 31.9]
Percent Overweight (*Mean [range]*)	94.0 [70.1 - 168.8]	97.9 [74.4 - 131.1]	91.3 [70.1 - 143.9]	93.8 [72.7 - 168.8]
BMI %tile (*Mean [range]*)	59.9 [5 - 99]	65.1 [13.8 - 98.0]	54.9 [6.1 - 99.0]	61.2 [5 - 99]
Sex(*N*)				
Girls	76	20	26	30
Boys	73	20	29	24
Obesity Status(*N*)				
Obese	41	16	10	15
Not Obese	108	24	45	39
Weight Class(*N*)				
Obese	20	10	5	5
Overweight	21	6	5	10
Healthy Weight	108	24	45	39
Ethnicity(*N*)				
Hispanic/Latino	6	2	2	2
Not H/L	120	30	50	40
NA	1	1	0	0
Race(*N*)				
Black/AA	7	2	1	4
White	136	35	53	48
Other/Mixed	6	3	1	2
NA	0	0	0	0
SES(*N*)				
>$100,000	49	10	22	17
$50,000-$100,000	69	16	22	31
<$50,000	28	12	10	6
NA	0	0	0	0
Maternal Education(*N*)				
$> BA$	50	13	17	20
BA	54	15	21	18
$Associates/Technical$	18	6	5	7
$HighSchool$	15	3	6	6
$< HighSchoolDiploma/GED$	0	0	0	0
NA	0	0	0	0
Paternal Education(*N*)				
$> BA$	57	9	29	19
BA	38	11	10	17
$Associates/Technical$	15	5	3	7
$HighSchool$	23	9	6	8
$< HighSchoolDiploma/GED$	1	1	0	0
NA	1	0	0	1

2 Medial Temporal Lobe Volumes

2.1 Path Models: Breastfeeding -> Satiety Responsiveness (mediated Hip) -> %BMI

2.1.1 Left Hippocampus - percent of overweight cuttoff scaled to ratio (out of 1)

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

	x
chisq	3.111
df	2.000
pvalue	0.211
baseline.chisq	139.160
baseline.df	30.000
baseline.pvalue	0.000
cfi	0.990
tli	0.847
logl	2.049
bic2	48.983
rmsea	0.065
rmsea.ci.lower	0.000
rmsea.ci.upper	0.197
rmsea.pvalue	0.314
srmr	0.013

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

lhs	op	rhs	est	se	z	pvalue
cebq_SR	~	mEducation_dummy	-0.030	0.056	-0.528	0.597
cebq_SR	~	income_dummy	0.233	0.082	2.845	0.004
cebq_SR	~	cPreMat_dummy	-0.182	0.153	-1.187	0.235
cebq_SR	~	BreastFed_3cat_dummy	0.012	0.065	0.186	0.852
cebq_SR	~	TIV	0.000	0.001	-0.438	0.661
cebq_SR	~	IQR	0.142	0.391	0.362	0.717
cebq_SR	~	Study_dummy	0.020	0.037	0.545	0.586
cebq_SR	~	cAge_yr	-0.019	0.044	-0.435	0.663
cebq_SR	~	sex	-0.107	0.114	-0.936	0.349
cebq_SR	~	lHip_21	-0.178	0.292	-0.608	0.543
lHip_21	~	TIV	0.001	0.000	9.045	0.000
lHip_21	~	IQR	0.071	0.116	0.609	0.543
lHip_21	~	Study_dummy	-0.011	0.011	-0.970	0.332
lHip_21	~	cAge_yr	0.039	0.013	3.073	0.002
lHip_21	~	sex	0.010	0.034	0.291	0.771
lHip_21	~	income_dummy	0.016	0.022	0.733	0.464
lHip_21	~	cPreMat_dummy	-0.038	0.046	-0.840	0.401
lHip_21	~	BreastFed_3cat_dummy	0.036	0.019	1.901	0.057
cdc_p85th	~	TIV	0.000	0.000	2.122	0.034
cdc_p85th	~	IQR	-0.017	0.098	-0.169	0.866
cdc_p85th	~	Study_dummy	-0.002	0.009	-0.220	0.826
cdc_p85th	~	cAge_yr	0.017	0.011	1.554	0.120
cdc_p85th	~	sex	0.004	0.029	0.157	0.876
cdc_p85th	~	lHip_21	-0.143	0.072	-1.975	0.048
cdc_p85th	~	mEducation_dummy	-0.051	0.014	-3.660	0.000
cdc_p85th	~	income_dummy	0.020	0.021	0.935	0.350
cdc_p85th	~	cPreMat_dummy	-0.038	0.039	-0.992	0.321
cdc_p85th	~	cebq_SR	-0.046	0.022	-2.119	0.034
cebq_SR	~~	cebq_SR	0.326	0.040	8.093	0.000
lHip_21	~~	lHip_21	0.029	0.004	8.093	0.000
cdc_p85th	~~	cdc_p85th	0.021	0.003	8.093	0.000
mEducation_dummy	~~	mEducation_dummy	1.061	0.000	NA	NA
mEducation_dummy	~~	income_dummy	0.346	0.000	NA	NA
mEducation_dummy	~~	cPreMat_dummy	0.011	0.000	NA	NA
mEducation_dummy	~~	BreastFed_3cat_dummy	-0.005	0.000	NA	NA

2.1.2 Right Hippocampus - percent of overweight cuttoff scaled to ratio (out of 1)

Table 3: Fit Statistics for Model: BF -> SR (R Hipp Med) -> p85th BMI

	x
chisq	1.529
df	2.000
pvalue	0.466
baseline.chisq	123.876
baseline.df	30.000
baseline.pvalue	0.000
cfi	1.000
tli	1.075
logl	-21.997
bic2	97.076
rmsea	0.000
rmsea.ci.lower	0.000
rmsea.ci.upper	0.160
rmsea.pvalue	0.571
srmr	0.010

Table 4: Parameters for Model: BF -> SR (R Hipp Med) -> p85th BMI

lhs	op	rhs	est	se	z	pvalue
cebq_SR	~	mEducation_dummy	-0.027	0.056	-0.479	0.632
cebq_SR	~	income_dummy	0.233	0.082	2.831	0.005
cebq_SR	~	cPreMat_dummy	-0.181	0.153	-1.181	0.238
cebq_SR	~	BreastFed_3cat_dummy	0.013	0.066	0.202	0.840
cebq_SR	~	TIV	0.000	0.001	-0.516	0.606
cebq_SR	~	IQR	0.139	0.391	0.355	0.722
cebq_SR	~	Study_dummy	0.020	0.037	0.538	0.590
cebq_SR	~	cAge_yr	-0.021	0.043	-0.481	0.631
cebq_SR	~	sex	-0.106	0.114	-0.929	0.353
cebq_SR	~	rHip_22	-0.142	0.246	-0.575	0.565
rHip_22	~	TIV	0.001	0.000	8.181	0.000
rHip_22	~	IQR	0.079	0.138	0.570	0.569
rHip_22	~	Study_dummy	-0.015	0.013	-1.172	0.241
rHip_22	~	cAge_yr	0.036	0.015	2.415	0.016
rHip_22	~	sex	0.014	0.040	0.347	0.728
rHip_22	~	income_dummy	0.028	0.026	1.095	0.274
rHip_22	~	cPreMat_dummy	-0.038	0.054	-0.697	0.486
rHip_22	~	BreastFed_3cat_dummy	0.051	0.023	2.264	0.024
cdc_p85th	~	TIV	0.000	0.000	1.408	0.159
cdc_p85th	~	IQR	-0.024	0.099	-0.238	0.812
cdc_p85th	~	Study_dummy	-0.001	0.010	-0.140	0.888
cdc_p85th	~	cAge_yr	0.014	0.011	1.242	0.214
cdc_p85th	~	sex	0.005	0.029	0.172	0.864
cdc_p85th	~	rHip_22	-0.053	0.061	-0.870	0.384
cdc_p85th	~	mEducation_dummy	-0.048	0.014	-3.398	0.001
cdc_p85th	~	income_dummy	0.016	0.021	0.760	0.447
cdc_p85th	~	cPreMat_dummy	-0.035	0.039	-0.896	0.370
cdc_p85th	~	cebq_SR	-0.045	0.022	-2.038	0.042
cebq_SR	~~	cebq_SR	0.326	0.040	8.093	0.000
rHip_22	~~	rHip_22	0.041	0.005	8.093	0.000
cdc_p85th	~~	cdc_p85th	0.021	0.003	8.093	0.000
mEducation_dummy	~~	mEducation_dummy	1.061	0.000	NA	NA
mEducation_dummy	~~	income_dummy	0.346	0.000	NA	NA
mEducation_dummy	~~	cPreMat_dummy	0.011	0.000	NA	NA
mEducation_dummy	~~	BreastFed_3cat_dummy	-0.005	0.000	NA	NA