

## Supplemental Information

**SUPPLEMENTAL TABLE 6** Total Dysmorphology Scores for Specific FASD Diagnoses Over Time With ANOVA and Post Hoc Analysis

	FAS ( <i>n</i> = 30)	PFAS ( <i>n</i> = 10)	ARND ( <i>n</i> = 15)	Not FASD ( <i>n</i> = 28)	<i>P</i>
	Mean (SD)	Mean (SD)	Mean (SD)	Mean (SD)	
Total dysmorphology score at T1 (6 wk)	11.8 (5.2)	6.7 (4.3)	7.5 (3.1)	5.3 (5.1)	<.001 <sup>a,b,c</sup>
Total dysmorphology score at T2 (9 mo)	14.4 (4.9)	10.9 (5.3)	10.1 (4.9)	7.9 (4.3)	<.001 <sup>c</sup>
Total dysmorphology score at T3 (18 mo)	14.7 (4.1)	12.2 (4.6)	9.7 (4.4)	7.3 (4.8)	<.001 <sup>b,c</sup>
Total dysmorphology score at T4 (42 mo)	16.0 (3.7)	13.3 (4.8)	8.7 (3.4)	7.3 (3.3)	<.001 <sup>b,c,d</sup>
Total dysmorphology score at T5 (60 mo)	17.4 (3.4)	12.9 (2.8)	10.4 (3.2)	7.0 (4.5)	<.001 <sup>a,b,c,d,e</sup>

<sup>a</sup> ANOVA post hoc significant difference between FAS and PFAS.

<sup>b</sup> ANOVA post hoc significant difference between FAS and ARND.

<sup>c</sup> ANOVA post hoc significant difference between FAS and not FASD.

<sup>d</sup> ANOVA post hoc significant difference between PFAS and not FASD.

<sup>e</sup> ANOVA post hoc significant difference between ARND and not FASD.

**SUPPLEMENTAL TABLE 7** Exposure Based on First Trimester Drinking and 6-Week BNBAS-3 Assessment Factor Results

	Exposed ( <i>n</i> = 126)	Unexposed ( <i>n</i> = 39)	<i>P</i>
	Mean (SD)	Mean (SD)	
Quality of alertness	5.949 (2.1020)	5.484 (2.1916)	.24
Cost of attention	6.875 (1.3810)	6.325 (1.5431)	.04 <sup>a</sup>
Examiner facilitation	6.525 (1.4140)	6.079 (1.6164)	.12
General irritability	6.675 (1.6075)	6.413 (1.7811)	.41
Robustness or endurance	6.750 (1.8502)	6.362 (1.8715)	.29
State regulation	6.504 (1.8734)	7.154 (1.3086)	.25
Examiner's emotional response	7.175 (1.2987)	6.556 (1.8002)	.02 <sup>a</sup>

<sup>a</sup> Similar results were analyzed for second and third trimester drinking, and no significant differences were found between exposed and unexposed children at  $\alpha = .05$ .

**SUPPLEMENTAL TABLE 8** BSID-III Testing Scores in All Domains Across All Time Periods by Diagnosis

	FAS	PFAS	ARND	Not FASD	<i>P</i>
	Mean (SD)	Mean (SD)	Mean (SD)	Mean (SD)	
T1 BSID-III cognitive percentile rank	44.6 (33.6)	32.4 (24.5)	50.5 (35.6)	49.7 (32.5)	.30
T1 BSID-III language percentile rank	26.6 (26.9)	18.6 (13.8)	34.7 (30.4)	31.3 (27.0)	.28
T1 BSID-III motor percentile rank	62.3 (27.7)	58.8 (25.4)	59.4 (27.3)	60.4 (28.1)	.97
T1 BSID-III social and emotional percentile rank	43.7 (25.2)	48.9 (28.2)	46.3 (29.4)	42.6 (24.5)	.83
T2 BSID-III cognitive percentile rank	48.7 (28.7)	38.4 (23.6)	54.3 (27.2)	54.4 (22.4)	.12
T2 BSID-III language percentile rank	26.7 (28.6)	17.9 (25.1)	25.2 (29.5)	34.0 (29.9)	.18
T2 BSID-III motor percentile rank	35.5 (27.6)	25.9 (26.5)	43.4 (27.4)	51.5 (26.4)	.001 <sup>a</sup>
T2 BSID-III social and emotional percentile rank	44.4 (32.4)	36.3 (31.1)	49.6 (31.6)	51.1 (29.6)	.33
T3 BSID-III cognitive percentile rank	36.3 (24.7)	28.2 (22.2)	29.6 (25.2)	48.1 (24.9)	.003 <sup>b</sup>
T3 BSID-III language percentile rank	25.7 (17.6)	21.9 (17.4)	27.7 (20.1)	39.9 (24.5)	.002 <sup>a,c</sup>
T3 BSID-III motor percentile rank	36.6 (27.1)	41.2 (25.4)	35.0 (25.6)	54.7 (23.1)	.001 <sup>b,c</sup>
T3 BSID-III social and emotional percentile rank	47.8 (28.9)	51.3 (26.4)	43.9 (32.6)	66.4 (28.2)	.002 <sup>b,c</sup>
T4 BSID-III cognitive percentile rank	22.8 (9.6)	28.4 (16.7)	26.0 (17.9)	43.2 (15.4)	<.001 <sup>c</sup>
T4 BSID-III language percentile rank	23.3 (12.4)	24.8 (11.5)	22.6 (17.2)	38.3 (12.0)	.001 <sup>c</sup>
T4 BSID-III motor percentile rank	50.9 (16.3)	53.2 (30.0)	46.4 (31.0)	69.7 (20.3)	.02 <sup>c</sup>
T4 BSID-III social and emotional percentile rank	39.9 (22.8)	50.2 (15.5)	45.6 (21.5)	62.0 (15.2)	.002 <sup>c</sup>

<sup>a</sup> Post hoc Dunnett *C* significant difference between PFAS and controls.

<sup>b</sup> Post hoc Dunnett *C* significant difference between ARND and controls.

<sup>c</sup> Post hoc Dunnett *C* significant difference between FAS and controls.