frontiers

Supplementary Material

Prenatal Paternal Anxiety Symptoms Predict Child DHEA levels and Internalizing Symptoms during Adrenarche

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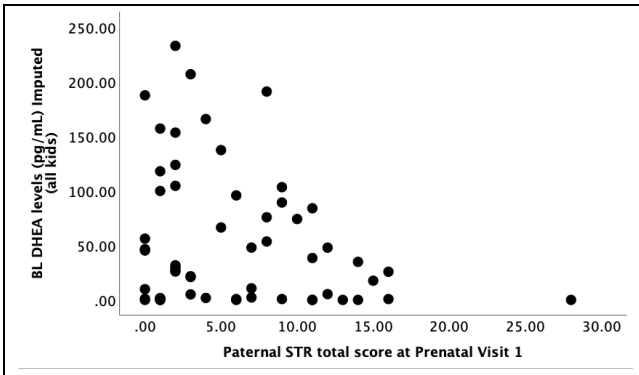
1.1 Supplementary Figures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200.00
150.00
100.00
50.00
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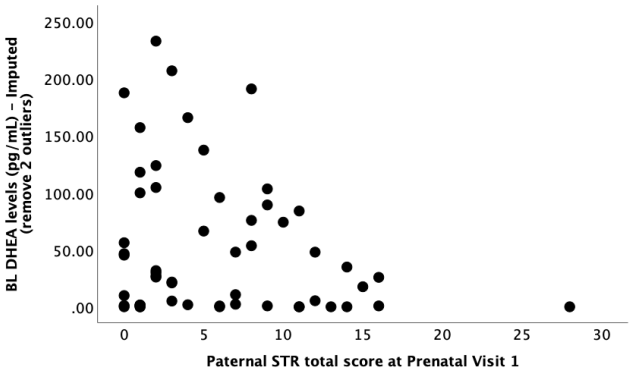
5.00
10.00
15.00
20.00
25.00
30.00
Paternal STR total score at Prenatal Visit 1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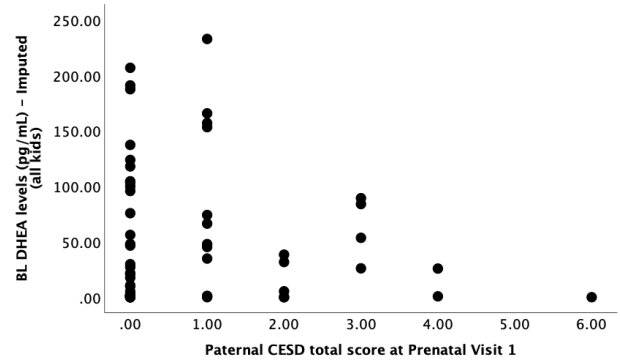
100.00
50.00
.00
0
5
10
15
20
25
30
Paternal STR total score at Prenatal Visit 1


BL DHEA levels (pg/mL) – Imputed (all kids)
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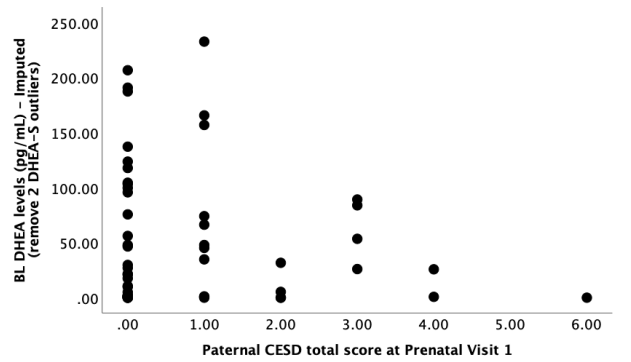
200.00
150.00
100.00
50.00
.00
.00
1.00
2.00
3.00
4.00
5.00
6.00
Paternal CESD total score at Prenatal Visit 1


BL DHEA levels (pg/mL) – Imputed (remove 2 DHEA-S outliers)
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200.00
150.00
100.00
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.00
.00
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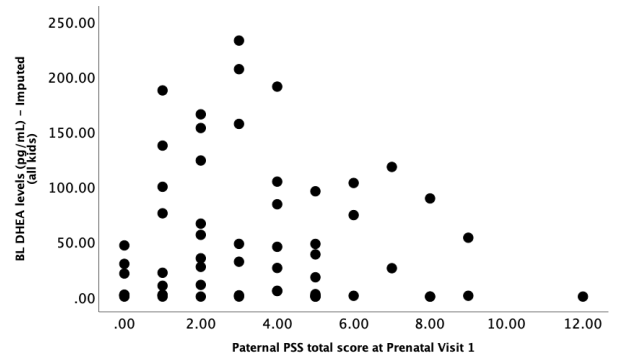
2.00
3.00
4.00
5.00
6.00
Paternal CESD total score at Prenatal Visit 1


BL DHEA levels (pg/mL) – Imputed (all kids)
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200.00
150.00
100.00
50.00
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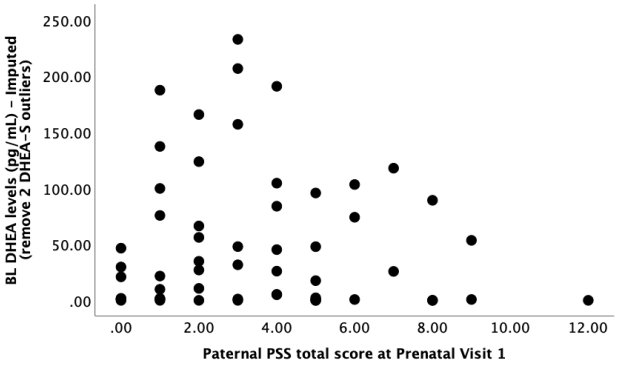
.00
2.00
4.00
6.00
8.00
10.00
12.00
Paternal PSS total score at Prenatal Visit 1


BL DHEA levels (pg/mL) – Imputed (remove 2 DHEA-S outliers)
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200.00
150.00
100.00
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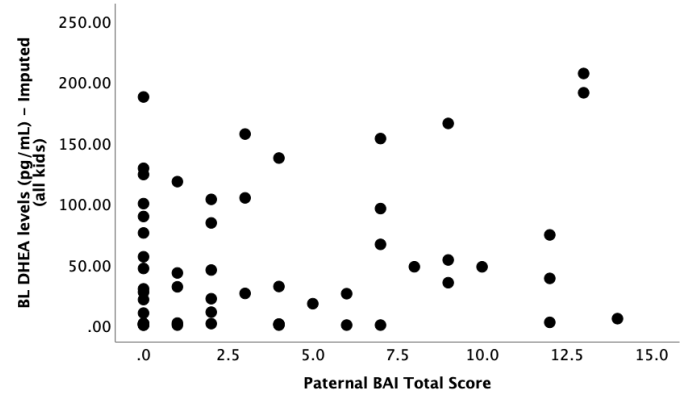
.00
2.00
4.00
6.00
8.00
10.00
12.00
Paternal PSS total score at Prenatal Visit 1


BL DHEA levels (pg/mL) – Imputed (all kids)
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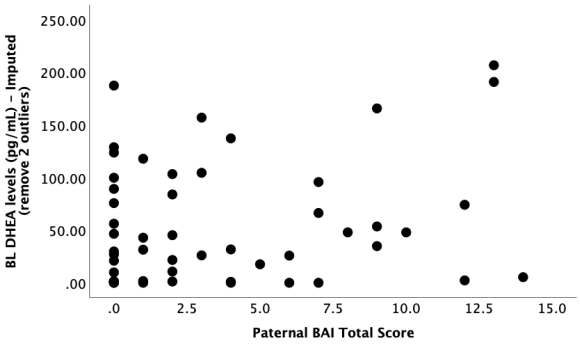
200.00
150.00
100.00
50.00
.00
.0
2.5
5.0
7.5
10.0
12.5
15.0
Paternal BAI Total Score


BL DHEA levels (pg/mL) – Imputed (remove 2 outliers)
250.00
200.00
150.00
100.00
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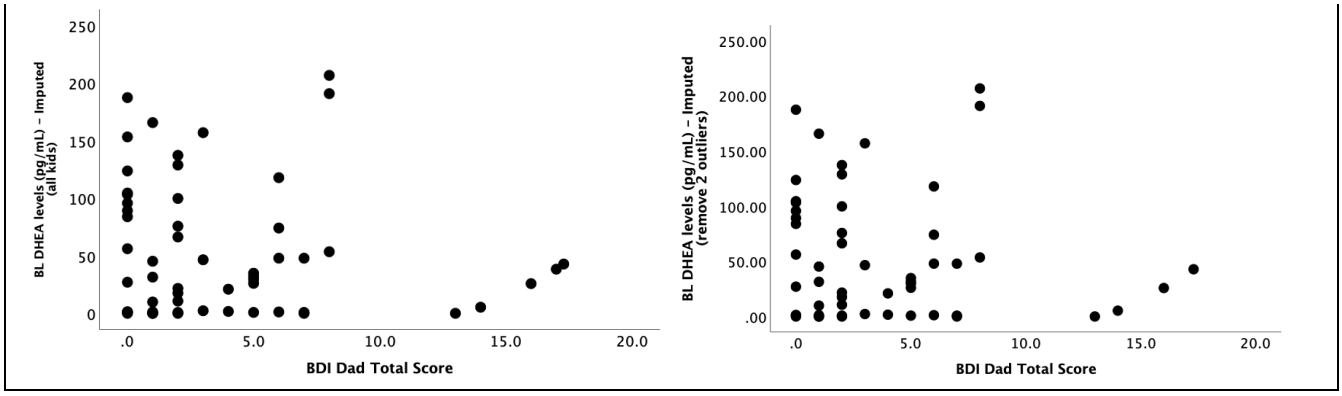
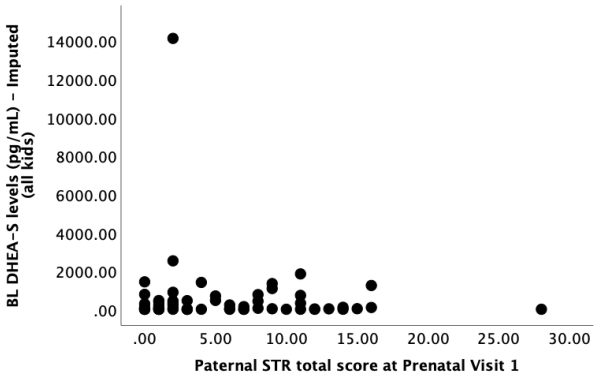
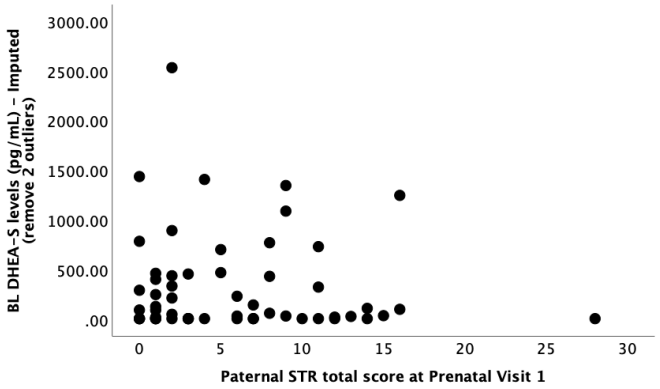
.0
2.5
5.0
7.5
10.0
12.5
15.0
Paternal BAI Total Score



Supplementary Figure 1. Scatterplots showing bivariate correlations between child DHEA (dehydroepiandrosterone) levels at ages 6-8 and paternal mental health measures at the prenatal (STR, CES-D, PSS) or concurrent childhood (BAI, BDI) assessment. Correlations including the full sample (left panels) and after excluding the two DHEA-S outliers (right panels) are shown. CES-D, Center for Epidemiological Studies Depression Scale; PSS, Perceived Stress Scale; STR, Anxiety Scale; BAI: Beck Anxiety Inventory; BDI: Beck Depression Inventory.


BL DHEA-S levels (pg/mL) – Imputed (all kids)
14000.00
12000.00
10000.00
8000.00
6000.00
4000.00
2000.00
.00
.00 5.00 10.00 15.00 20.00 25.00 30.00
Paternal STR total score at Prenatal Visit 1


BL DHEA-S levels (pg/mL) – Imputed (remove 2 outliers)
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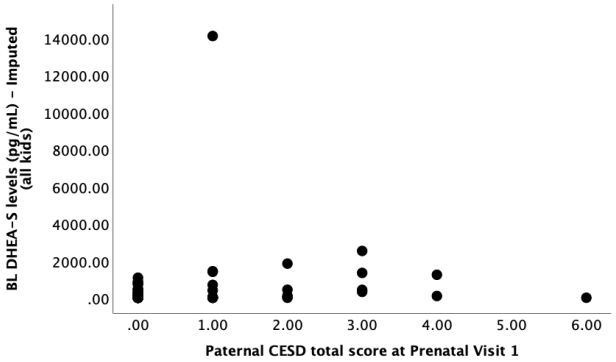
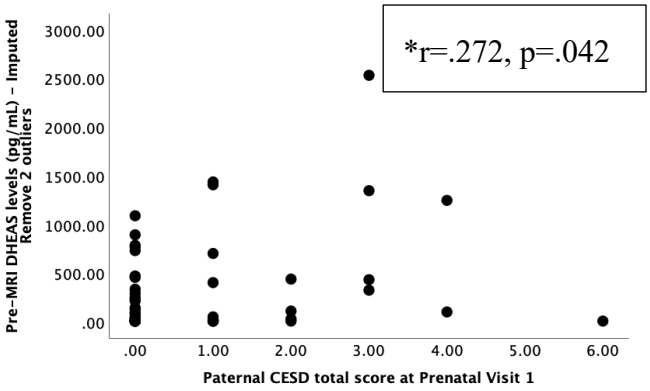
2500.00
2000.00
1500.00
1000.00
500.00
.00
0 5 10 15 20 25 30
Paternal STR total score at Prenatal Visit 1


BL DHEA-S levels (pg/mL) – Imputed (all kids)
14000.00
12000.00
10000.00
8000.00
6000.00
4000.00
2000.00
.00
.00 1.00 2.00 3.00 4.00 5.00 6.00
Paternal CESD total score at Prenatal Visit 1


Pre-MRI DHEAS levels (pg/mL) – Imputed Remove 2 outliers
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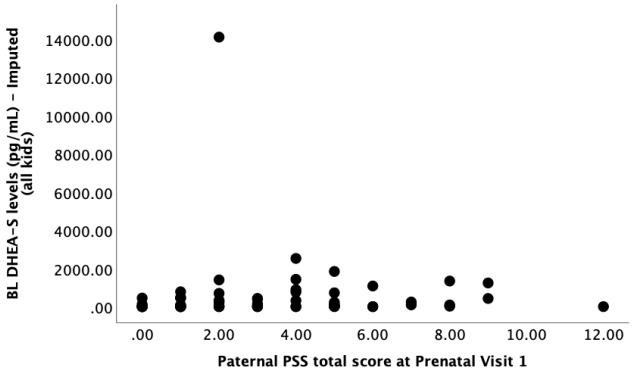
2500.00
2000.00
1500.00
1000.00
500.00
.00
.00 1.00 2.00 3.00 4.00 5.00 6.00
Paternal CESD total score at Prenatal Visit 1

*r=.272, p=.042


BL DHEA-S levels (pg/mL) – Imputed (all kids)
14000.00
12000.00
10000.00
8000.00
6000.00
4000.00
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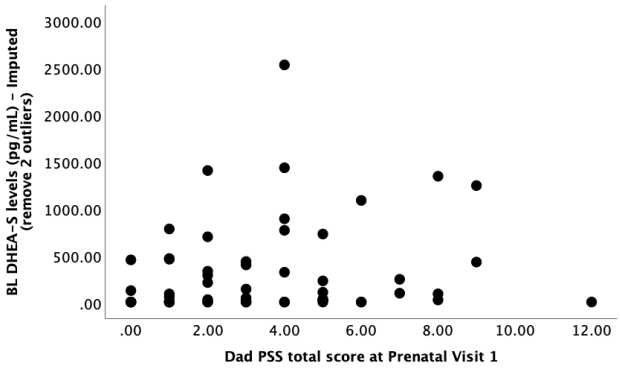
.00 2.00 4.00 6.00 8.00 10.00 12.00
Paternal PSS total score at Prenatal Visit 1


BL DHEA-S levels (pg/mL) – Imputed (remove 2 outliers)
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2500.00
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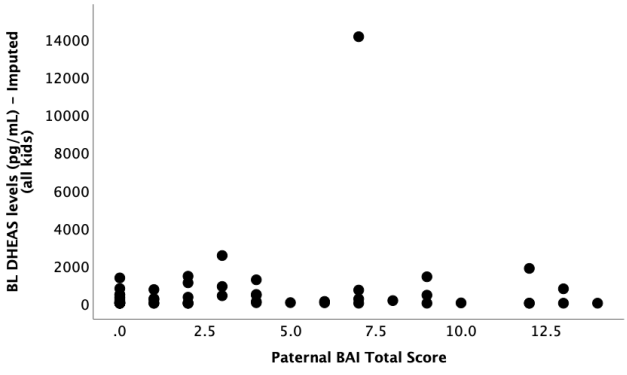
1500.00
1000.00
500.00
.00
.00 2.00 4.00 6.00 8.00 10.00 12.00
Dad PSS total score at Prenatal Visit 1


BL DHEAS levels (pg/mL) – Imputed (all kids)
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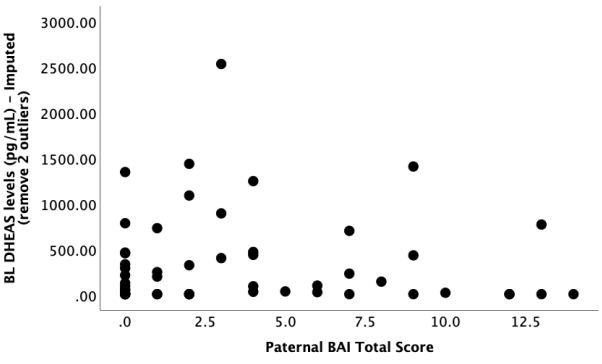
12000
10000
8000
6000
4000
2000
0
.0 2.5 5.0 7.5 10.0 12.5
Paternal BAI Total Score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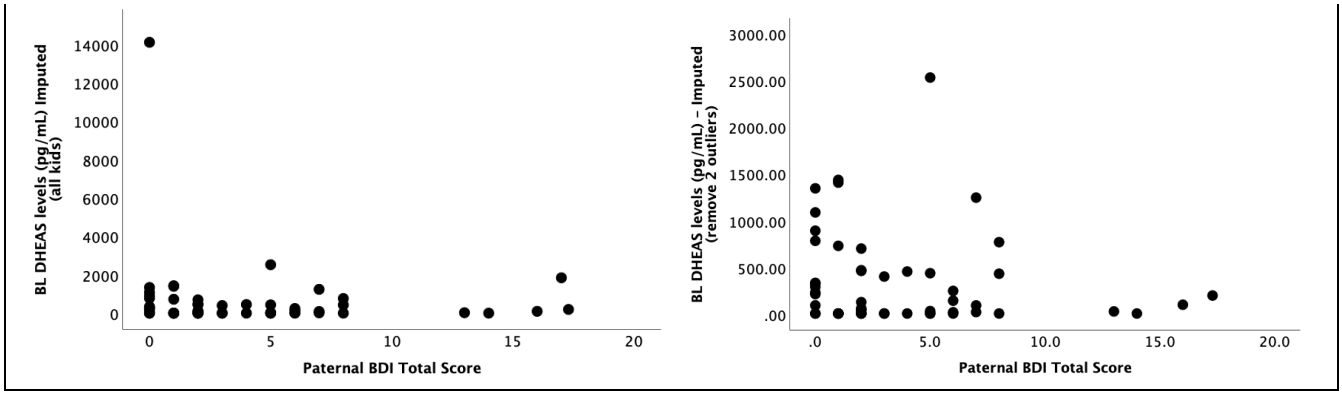
Paternal BAI Total Score



Supplementary Figure 2. Scatterplots showing bivariate correlations between child DHEA-S (dehydroepiandrosterone-sulfate) levels at ages 6-8 and paternal mental health measures at the prenatal (STR, CES-D, PSS) or concurrent childhood (BAI, BDI) assessment. Correlations including the full sample (left panels) and after excluding the two DHEA-S outliers (right panels) are shown. CES-D, Center for Epidemiological Studies Depression Scale; PSS, Perceived Stress Scale; STR, Anxiety Scale; BAI: Beck Anxiety Inventory; BDI: Beck Depression Inventory. *p<.05.