Table S1. Associations between childhood hardship and small-for-gestational-age [a] (n=4565)

	unadjusted			+ age, body mass index, interbirth interval, smoking, social class, education, marital status		
	OR	95% CI		OR	95% CI	p for trend
Financial/structural hardship						
0			<0.01			0.1
1	1.21	(1.05, 1.40)		1.03	(0.89, 1.20)	

2+	1.59	(1.33, 1.92)	1.20	(0.99, 1.45)	

No interest in education

0			<0.01		0.10
1	1.46	(1.25, 1.70)	1.25	(1.06, 1.47)	
2+	1.53	(1.33, 1.75)	1.13	(0.96, 1.33)	

Family dysfunction

0			<0.01		0.03
1+	1.34	(1.14, 1.57)	1.20	(1.02, 1.42)	

Lack of supportive caregiving

0			0.03		0.53
1+	1.15	(1.01, 1.30)	1.04	(0.92, 1.19)	

Violence/mental health issues

0			<0.01			0.24
1	1.23	(1.08, 1.41)		1.05	(0.91, 1.21)	
2+	1.52	(1.28, 1.81)		1.12	(0.93, 1.34)	

Issues of family structure*

0			<0.01			0.08
1+	1.33	(1.16, 1.52)		1.14	(0.98, 1.32)	

Overall

0			<0.01			0.02
1	1.15	(0.93, 1.41)		1.10	(0.89, 1.36)	
2	1.41	(1.15, 1.74)		1.28	(1.04, 1.58)	
3	1.40	(1.12, 1.75)		1.16	(0.92, 1.46)	
4+	1.76	(1.48, 2.10)		1.26	(1.04, 1.53)	

[a] Small for gestational age defined as birthweight $<10^{th}$ percentile for gestational age based on published

norms

Wilcox M, Gardosi J, Mongelli, M, Ray C, Johnson I. Birth weight from pregnancies dated by

ultrasonography in a multicultural British population. *BMJ* 1993;307(6904): 588-591.

Table S2. Associations between individual childhood hardships, low birthweight, and preterm birth (n=4865)

	LBW				PTB			
	unadjusted		+ age, body mass index, interbirth interval, smoking, social class, education, marital status		unadjusted		+ age, body mass index, interbirth interval, smoking, social class, education, marital status	
	OR	95% CI	OR	95% CI	OR	95% CI	OR	
Financial/structural hardship								
unemployment	1.19	(0.84, 1.70)	0.97	(0.65, 1.46)	1.17	(0.84, 1.64)	1.12	(0.76, 1.65)

eligible for free school lunches	1.18	(0.94, 1.47)	0.95	(0.73, 1.24)	1.08	(0.87, 1.34)	0.99	(0.77, 1.28)
share bed	1.23	(0.98, 1.53)	1.11	(0.86, 1.45)	1.05	(0.84, 1.30)	1.00	(0.78, 1.28)
contact with criminal justice system	1.51	(1.17, 1.93)	1.28	(0.94, 1.75)	1.15	(0.89, 1.49)	1.08	(0.80, 1.47)

No interest in education

mother's lack of interest	1.46	(1.22, 1.74)	1.17	(0.93, 1.47)	1.27	(1.07, 1.51)	1.19	(0.95, 1.47)
father's lack of interest	1.29	(1.09, 1.54)	1.04	(0.84, 1.30)	1.14	(0.96, 1.35)	1.03	(0.84, 1.27)
parents hope child will leave school at minimum age	1.37	(1.14, 1.64)	1.15	(0.92, 1.45)	1.23	(1.04, 1.46)	1.15	(0.93, 1.42)

Family dysfunction

		(0.98,		(0.77,		(1.06,		(0.91,
family problems with tension	1.43	2.08)	1.21	1.90)	1.51	2.14)	1.38	2.09)
		(1.00,		(0.66,		(1.47,		(0.87,
alcoholism	2.01	4.04)	1.34	3.37)	2.67	4.86)	2.15	5.31)
		(0.43,		(0.38,		(0.27,		(0.23,
other family difficulties	0.82	1.56)	0.73	1.37)	0.56	1.14)	0.52	1.17)
		(0.74,		(0.60,		(0.89,		(0.81,
doesn't get on with mother	1.11	1.66)	0.98	1.60)	1.27	1.82)	1.20	1.79)
		(1.09,		(0.97,		(1.13,		(1.01,
doesn't get on with father	1.48	2.02)	1.38	1.96)	1.51	2.02)	1.44	2.05)

Lack of supportive caregiving

		(0.90,		(0.84,		(0.66,		(0.65,
father doesn't read to child	1.11	1.36)	1.06	1.33)	0.81	0.99)	0.81	1.02)

mother doesn't read to child	1.13	(0.88, 1.45)	1.09	(0.83, 1.43)	1.01	(0.79, 1.28)	1.01	(0.77, 1.34)
father does not take an active role	1.27	(1.02, 1.58)	1.14	(0.88, 1.48)	1.11	(0.90, 1.38)	1.07	(0.85, 1.36)

Violence/mental health issues

physically neglected	1.61	(1.17, 2.22)	1.26	(0.85, 1.87)	1.02	(0.71, 1.46)	0.95	(0.63, 1.45)
socially maladjusted	1.57	(1.27, 1.94)	1.28	(0.98, 1.66)	1.17	(0.94, 1.45)	1.05	(0.80, 1.37)
mental subnormality in family	1.81	(0.96, 3.38)	1.04	(0.72, 3.08)	1.24	(0.63, 2.47)	1.10	(0.49, 2.46)
experienced bullying	1.45	(1.08, 1.95)	1.35	(0.98, 1.87)	1.25	(0.93, 1.68)	1.21	(0.89, 1.66)
in contact with social services	1.55	(1.31,	1.30	(1.07,	1.3	(1.10,	1.22	(1.01,

	Model 1		Model 2		Model 3		Model 4	
		1.84)		1.60)		1.53)		1.47)
Issues of family structure								
spent time in foster care	1.36	(0.97, 1.91)	1.06	(0.70, 1.62)	1.45	(1.06, 1.99)	1.29	(0.88, 1.88)
single mother	0.97	(0.61, 1.55)	0.81	(0.47, 1.40)	1.03	(0.67, 1.58)	0.99	(0.62, 1.59)
parents divorced	1.01	(0.79, 1.31)	0.88	(0.64, 1.21)	1.17	(0.93, 1.47)	1.11	(0.85, 1.45)
parent is dead	1.31	(0.98, 1.75)	1.27	(0.92, 1.74)	1.47	(1.13, 1.92)	1.46	(1.09, 1.96)