

Supplementary Tables

Table S2

Associations between paternal alcohol use (first 3 months of pregnancy) and potential confounding factors					
	never	<1 wk	1+ wk	1 + pday	Total
Sex N=	(n=481)	2,398	4,921	1,993	9,793
male	5.1	24.1	50.2	20.6	5,033
female	4.8	24.9	50.3	20.1	4,760
			$\chi^2 = 1.29$ p < .73	Cramér's V = .01	
Parity					
N =	472	2,361	4,836	1,962	9,631
No previous children	4.5	22.0	52.3	21.2	4,454
1 or 2 children	4.8	26.3	49.2	19.8	4,637
3+ children	9.6	30.7	41.9	17.8	540
			$\chi^2 = 69.22$ p .001	Cramér's V = .06	
Ethnicity					
N =	469	2,361	4,842	1,952	9,624
white	4.4	24.4	50.9	20.3	9,267
non-white	17.4	27.7	35.9	19.1	357
			$\chi^2 = 152.70$, p .01	Cramér's V = .07	
Home ownership status					
N =	453	2,311	4,797	1,939	9,500
mortgaged/owned	3.6	22.5	52.6	21.3	7,355
rented	8.7	30.8	43.3	17.3	2,145
			$\chi^2 = 177.67$, <.001	Cramér's V = 0.14	
House crowding					
N =	444	2,271	4,753	1,932	9,400
1	3.15	19	54.98	22.87	4,185
2	5.32	27.88	47.86	18.93	4,680
3 or 4	11.78	31.96	39.63	16.64	535
			$\chi^2 = 224.68$, p .001	Cramér's V = 0.11	
Maternal Education					
N =	433	2,222	4,650	1,882	9,187
Degree	2.83	17.05	51.15	28.97	1,343
A levels	3.18	20.58	52.16	24.08	2,172
O levels	4.32	24.95	52.11	18.62	3,195
Vocational/CSE	7.59	30.24	47.03	15.14	2,477
			$\chi^2 = 253.35$, p<01	Cramér's V = 0.10	
Paternal Education					
N =	412	2,155	4,566	1,853	8,986
Degree	3.34	17.06	51.35	28.26	18.52
A levels	3.35	22.35	52.96	21.34	26.32
O levels	4.49	25.17	51.45	18.89	21.35
Vocational/CSE	6.7	29.47	47.94	15.89	33.8
			$\chi^2 = 206.18$, p<.001	Cramér's V = 0.09	

Supplementary Tables

Table S3

Associations between maternal drinking frequency of 4 or more units and potential confounding factors						
		none	1-4 days	5-10 days	10 + days	Total
Sex						
	N =	10,860	1,661	266	288	13,075
male		82.96	12.75	2.02	2.26	6,766
female		83.17	12.65	2.04	2.14	6,309
				$\chi^2=0.27, p.< 0.97$	<i>Cramér's V = 0.01</i>	
Parity						
	N =	10,713	1,627	267	281	12,888
No previous children		85.2	11.18	1.87	1.75	5,717
1 or 2 children		81.86	13.7	2.15	2.28	6,363
3+ children		78.34	14.36	2.85	4.46	808
				$\chi^2=51.68,p<.001$	<i>Cramér's V = 0.04</i>	
ethnicity						
	N =	10607	1620	259	281	12767
white		83.04	12.78	2.04	2.14	12,152
non-white		83.9	10.89	1.79	3.41	615
				$\chi^2=8.92, p <0.44$	<i>Cramér's V = 0.02</i>	
Home ownership status						
	N =	10,495	1,583	257	275	12,610
mortgaged/owned		85.14	11.39	1.69	1.78	9,359
rented		77.73	15.9	3.05	3.32	3,251
				$\chi^2=03.00,p<.001$	<i>Cramér's V = 0.09</i>	
House crowding						
	N =	10,357	1,559	248	264	12,428
1		86.49	10.2	1.53	1.78	5,233
2		81.47	13.97	2.29	2.27	6,385
3 or 4		77.65	16.42	2.72	3.21	810
				$\chi^2=73.57, <.001$	<i>Cramér's V = 0.05</i>	
Maternal Education						
	N =	10,034	1,500	240	258	12,032
Degree		90.84	6.76	1.2	1.2	1,583
A levels		84.76	12.04	1.53	1.68	2,742
O levels		83.45	13.01	1.78	1.76	4,205
Vocational/CSE		78.9	14.73	2.97	3.4	3,502
				$\chi^2=140.35, p<.001$	<i>Cramér's V = 0.06</i>	
Paternal Education						
	N =	9,700	1,428	223	233	11,584
Degree		89.28	7.78	1.58	1.35	2,146
A levels		83.62	12.65	1.67	2.06	3,052
O levels		84.59	11.9	1.82	1.69	2,479
Vocational/CSE		80.24	14.85	2.38	2.53	3,907
				$\chi^2= 88.40 p <.001$	<i>Cramér's V = 0.05</i>	

Supplementary Tables

Table S4

Associations between paternal drinking frequency of 4 or more units and potential confounding factors						
		none	1-4 days	5-10 days	10 + days	Total
Sex						
	N =	1,833	3,650	2,504	1,904	9,891
male		18.33	36.64	25.71	19.32	5,084
female		18.74	37.17	24.9	19.18	4,807
				$\chi^2=1.1$, p. <0.78	<i>Cramér's V = 0.01</i>	
Parity						
	N =	1,809	3,574	2,463	1,880	9,726
No previous children		16	36.47	28	19.97	4,481
1 or 2 children		20	37.72	24	18.57	4,690
3+ children		30	31	19	20.54	555
				$\chi^2=91.8$, p<.001	<i>Cramér's V = 0.07</i>	
ethnicity						
	N =	1790	3583	2476	1869	9718
white		17.75	37	25.81	19.35	9,361
non-white		35.85	31	16.81	16.25	357
				$\chi^2= 92.2$,p <.001	<i>Cramér's V = 0.06</i>	
Home ownership status						
	N =	1,760	3,543	2,444	1,849	9,596
mortgaged/owned		16.92	37.18	26.9	19	7,416
rented		23.17	36	20.6	20.18	2,180
				$\chi^2=63.8$. p <.001	<i>Cramér's V = 0.08</i>	
House crowding						
	N =	1,725	3,501	2,419	1,842	9,487
1		15	37.31	28.86	19.23	4,213
2		20	37.1	23.4	19.51	4,731
3 or 4		30.2	32.04	17.68	20.07	543
				$\chi^2=125.3$,p<.001	<i>Cramér's V = 0.08</i>	
Maternal Education						
	N =	1,690	3,425	2,375	1,777	9,267
Degree		17.48	36.07	27.93	18.52	1,350
A levels		18	34.81	27.32	20.01	2,189
O levels		16	38.28	25.72	19.78	3,216
Vocational/CSE		22	37.62	22.81	18.03	2,512
				$\chi^2=143.9$ p .001	<i>Cramér's V = 0.04</i>	
Paternal Education						
	N =	1,635	3,361	2,328	1,742	9,066
Degree		18.25	37.85	27.3	16.6	1,868
A levels		15.93	37	26.89	20.18	2,492
O levels		17.25	36.29	25.68	20.77	2,017
Vocational/CSE		20.42	37.19	23.43	18.97	2,689
				$\chi^2=35.1$, p<.001	<i>Cramér's V = 0.04</i>	

Supplementary Tables

Table S5

Associations between maternal smoking during pregnancy and potential confounding factors						
		no smoker	1-9 cig	10-19 cig	20 + cig	Total
Sex						
	N=	9,943	1,447	1,322	511	13,223
male		74.32	11.2	10.66	3.82	6,831
female		76.13	10.67	9.29	3.91	6,392
				$\chi^2 = 8.49, p. < 03$	<i>Cramér's V = 0.03</i>	
Parity						
	N =	9,812	1,426	1,297	499	13,034
No previous children		75.33	12.67	9.45	2.55	5,776
1 or 2 children		76.35	9.57	9.93	4.15	6,436
3+ children		66.55	9.49	13.63	10.34	822
				$\chi^2 = 168.02, p. < 001$	<i>Cramér's V = 0.08</i>	
Ethnicity						
	N =	9742	1396	1278	487	12903
white		75.66	10.64	9.97	3.73	12,248
non-white		72.52	14.2	8.7	4.58	655
				$\chi^2 = 47.02, p. < 001$	<i>Cramér's V = 0.03</i>	
Home ownership status						
	N =	9,635	1,372	1,234	482	12,723
mortgaged/owned		83.22	8.87	5.94	1.97	9,430
rented		54.27	16.28	20.47	8.99	3,293
				$\chi^2 = 675.51, p. < 001$	<i>Cramér's V = 0.31</i>	
House crowding						
	N =	9,532	1,340	1,199	464	12,535
1		83.49	9.29	5.61	1.62	5,262
2		72.77	11.11	11.37	4.75	6,438
3 or 4		54.37	16.29	20.6	8.74	835
				$\chi^2 = 486.92, p. < 001$	<i>Cramér's V = 0.14</i>	
Maternal Education						
	N =	9,299	1,267	1,140	428	12,134
Degree		92.3	5.0	1.8	0.9	1,590
A levels		84.1	8.9	5.2	1.7	2,747
O levels		77.0	11.0	8.9	3.1	4,222
Vocational/CSE		63.5	13.3	16.6	6.6	3,575
				$\chi^2 = 735.26, p. < 001$	<i>Cramér's V = 0.14</i>	
Paternal Education						
	N =	9,070	1,181	1,045	385	11,681
Degree		91.97	5.06	2.37	0.6	2,154
A levels		82.19	9.28	6.61	1.92	3,071
O levels		77.56	10.8	9.23	2.41	2,491
Vocational/CSE		66.41	13.06	14.15	6.38	3,965
				$\chi^2 = 649.93, p. < 001$	<i>Cramér's V = 0.14</i>	

Supplementary Tables

Table S6

Associations between paternal smoking during pregnancy and potential confounding factors						
		no smoker	1-9 cig	10-19 cig	20 + cig	Total
Sex						
	N=	5,936	897	1,368	1,286	9,487
male		62.07	9.46	15.1	13	4,862
female		63.09	9.45	13.71	14	4,625
				$\chi^2= 3.81, p. < .28$	<i>Cramér's V = 0.02</i>	
Parity						
	N =	5,837	883	1,343	1,262	9,325
No previous children		63.35	10	14.52	12.28	4,317
1 or 2 children		63	9	14.01	13.83	4,483
3+ children		53	8.76	16.76	21.33	
				$\chi^2= 40.76, p. < 001$	<i>Cramér's V = 0.05</i>	
Ethnicity						
	N =	5841	879	1334	1263	9317
white		62.7	9.2	14.3	13.8	8,967
non-white		62.0	15.4	15.1	7.4	350
				$\chi^2= 32.47, p. < 001$	<i>Cramér's V = 0.03</i>	
Home ownership status						
	N =	5,782	872	1,314	1,239	9,207
mortgaged/owned		69.5	9.4	11.1	10.1	7,095
rented		40.2	9.9	25.1	24.9	2,112
				$\chi^2= 768.05 p. < 001$	<i>Cramér's V = 0.28</i>	
House crowding						
	N =	5,740	852	1,297	1,214	9,103
1		72.0	9.2	10.3	8.5	4,036
2		58.2	9.5	16.5	15.9	4,537
3 or 4		36.8	9.4	25.1	28.7	530
				$\chi^2= 416.17 p. < 001$	<i>Cramér's V = 0.15</i>	
Maternal Education						
	N =	5,650	830	1,228	1,173	8,881
Degree		81.16	8.01	6.91	3.92	1,274
A levels		69.79	10.61	10.18	9.42	2,112
O levels		61.54	9.13	14.08	15.25	3,089
Vocational/CSE		51.58	9.23	20.37	18.83	2,406
				$\chi^2=449.70, p. < 001$	<i>Cramér's V = 0.13</i>	
Paternal Education						
	N =	5,583	819	1,173	1,119	8,694
Degree		83.33	7.53	5.46	3.68	1,794
A levels		68.64	9.3	11.13	10.93	2,398
O levels		62.26	10.71	14.37	12.67	1,942
Vocational/CSE		48.16	9.88	20.66	21.29	2,560
				$\chi^2=684.31, p. < 001$	<i>Cramér's V = 0.16</i>	