

Online Appendix: Bayley mental and psychomotor development score at 14 months of age in relation to cell phone use during pregnancy – full model (Model 2) parameters and sensitivity analysis. Sabadell cohort to Spain to 2004-2006 (n=530)

A) Bayley Mental Score

	Bayley Scale Regression Coefficient (95% CI)		
	All subjects n=530	Excluding subjects with 0 calls n=469	Excluding subjects with 0 calls and imputed maternal IQ n=443
Number of calls per day			
0	1.0		
1	1.6 (-2.6 to 5.8)	1.0	1.0
2 to 4	2.0 (-2.1 to 6.0)	0.5 (-2.3 to 3.3)	1.0 (-1.9 to 3.9)
5 or more	2.8 (-2.2 to 7.8)	1.5 (-2.5 to 5.5)	1.0 (-3.2 to 5.3)
Age (centered in days)	0.2 (0.2 to 0.3)	0.2 (0.2 to 0.3)	0.2 (0.2 to 0.3)
Gender (female)	3.8 (1.4 to 6.2)	4.7 (2.3 to 7.2)	5.0 (2.5 to 7.6)
Psychologist	-3.5 (-6.7 to -0.3)	-2.0 (-5.3 to 1.3)	-2.2 (-5.6 to 1.3)
Social Class (ref: professional, managerial, technical, associated)			
Other non-manual Skilled, semiskilled, unskilled manual	-2.2 (-5.6 to 1.2)	-2.9 (-6.3 to 0.6)	-2.2 (-5.8 to 1.3)
Unclassified	-2.6 (-7.1 to 1.9)	-2.9 (-7.5 to 1.6)	-1.8 (-6.5 to 2.9)
Unclassified	-4.5 (-9.4 to 0.4)	-3.5 (-8.5 to 1.6)	-2.7 (-7.8 to 5.3)
Education (ref: primary school)			
High school	3.2 (0.1 to 6.4)	3.1 (-0.2 to 6.3)	4.4 (1.0 to 7.9)
University	3.1 (-1.1 to 7.3)	2.5 (-1.8 to 6.7)	4.1 (-0.3 to 8.5)
Maternal IQ	0.02 (-0.08 to 0.1)	0.03 (-0.07 to 0.1)	0.03 (-0.07 to 0.1)
Maternal Age (ref: >35 yrs)			
>30 to 35 years	2.9 (-0.3 to 6.1)	2.8 (-0.6 to 6.2)	3.2 (-0.3 to 6.7)
>25 to 30 years	4.5 (1.1 to 7.9)	4.9 (1.3 to 8.4)	5.2 (1.5 to 8.8)
<=25 years	2.1 (-3.9 to 8.1)	3.0 (-3.0 to 8.9)	4.3 (-1.9 to 10.4)
Smoking			
Yes	-1.2 (-3.8 to 1.5)	-0.9 (-3.6 to 1.8)	-1.5 (-4.3 to 1.3)
Smoking in house			
Yes	-0.9 (-3.7 to 1.9)	-1.6 (-4.5 to 1.2)	-1.7 (-4.7 to 1.3)
Intercept	92.6 (81.8 to 103.3)	93.0 (82.2 to 103.7)	91.2 (80.7 to 101.8)

B) Bayley Psychomotor Score

	Bayley Scale Regression Coefficient (95% CI)		
	All subjects n=530	Excluding subjects with 0 calls n=469	Excluding subjects with 0 calls and imputed maternal IQ n=443
Number of calls per day			
0	1.0		
1	-3.5 (-7.8 to 0.8)	1.0	1.0
2 to 4	-2.8 (-6.9 to 1.3)	0.7 (-2.3 to 3.7)	1.4 (-1.6 to 4.4)
5 or more	-5.6 (-10.7 to -0.5)	-2.0 (-6.3 to 2.2)	-2.6 (-7.0 to 1.8)
Age (centered in days)	0.2 (0.2 to 0.3)	0.2 (0.2 to 0.3)	0.2 (0.2 to 0.3)
Gender (female)	-0.5 (-3.0 to 2.0)	-0.5 (-3.1 to 2.1)	0.2 (-2.5 to 2.9)
Psychologist	2.2 (-1.1 to 5.5)	3.3 (-0.2 to 6.8)	2.1 (-1.5 to 5.6)
Social Class (ref: professional, managerial, technical, associated)			
Other non-manual Skilled, semiskilled, unskilled manual	-3.1 (-6.6 to 0.4)	-2.9 (-6.5 to 0.8)	-3.1 (-6.8 to 0.6)
Unclassified	-3.3 (-7.8 to 1.3)	-3.1 (-7.9 to 1.8)	-3.6 (-8.5 to 1.4)
Unclassified	-5.0 (-10.0 to 0.01)	-3.3 (-8.6 to 2.1)	-3.2 (-9.2 to 1.6)
Education (ref: primary school)			
High school	2.6 (-0.7 to 5.8)	2.0 (-1.5 to 5.5)	3.0 (-0.6 to 6.6)
University	2.5 (-1.8 to 6.8)	2.2 (-2.2 to 6.7)	3.9 (-0.7 to 8.5)
Maternal IQ	-0.04 (-0.1 to 0.06)	-0.03 (-0.14 to 0.07)	-0.05 (-0.2 to 0.05)
Maternal Age (ref: >35 yrs)			
>30 to 35 years	0.5 (-2.8 to 3.8)	0.3 (-3.3 to 4.0)	0.3 (-3.4 to 3.9)
>25 to 30 years	3.4 (-0.08 to 6.8)	3.4 (-0.4 to 7.1)	3.5 (-0.3 to 7.3)
<=25 years	5.5 (-0.6 to 11.6)	5.0 (-1.3 to 11.4)	5.4 (-1.1 to 11.8)
Smoking			
Yes	-0.5 (-3.2 to 2.2)	-0.2 (-3.1 to 2.6)	-0.7 (-3.6 to 2.3)
Smoking in house			
Yes	2.4 (-0.5 to 5.2)	2.2 (-0.9 to 5.3)	2.7 (-0.4 to 5.8)
Intercept	105.8 (95.0 to 116.5)	101.4 (90.1 to 112.7)	101.4 (90.4 to 112.5)