

**Early life determinants of low IQ at age 6 in children from the 2004**

**Pelotas Birth Cohort: a predictive approach**

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**Additional file 1**

**Additional Table 1. Unadjusted associations of potential predictors with low IQ compared between the restricted sample and the maximum available sample. The 2004 Pelotas Birth Cohort Study.**

Characteristic	Maximum sample Unadjusted OR (95% CI)	Restricted sample Unadjusted OR (95% CI)
Mother's and father's skin color (n=3518)	p = 0.0000	p = 0.0000
White mother and father or either one	1	1
Non-white mother and father	2.5 (2.0–3.0)	2.4 (2.0 – 2.9)
Teenage parents (n=3522)	p = 0.0007	p = 0.0006
Neither	1	1
Both or either one	1.4 (1.2–1.8)	1.5 (1.2 – 1.8)
Mother with a partner (n=3522)	p = 0.0069	p = 0.1163
No	1.4 (1.1–1.7)	1.2 (1.0 – 1.6)
Yes	1	1
Father employed at the child's birth (n=3445)	p = 0.0000	p = 0.0000
No	2.1 (1.7–2.6)	2.2 (1.7 – 2.7)
Yes	1	1
Mother employed between pregnancy and the child's first 12 months of life (n=3456)	p = 0.0000	p = 0.0000
No	2.0 (1.7–2.4)	2.0 (1.7 – 2.5)
Employed either during pregnancy or the child's first 12 months of life	1	1
Household income at the child's birth (n=3522)	p = 0.0000	p = 0.0000
One or less than one monthly minimum wage	7.6 (5.3–11.1)	7.4 (5.0 – 10.9)
Up to 2 monthly minimum wages	4.5 (3.1–6.6)	4.6 (3.1 – 6.7)
Up to 4 monthly minimum wages	1.9 (1.3–2.8)	1.9 (1.2 – 2.9)
More than 4 monthly minimum wages	1	1
Maternal education (years of schooling) (n=3490)	p = 0.0000	p = 0.0000
0–4	9.4 (7.1–12.4)	9.0 (6.8 – 12.0)
5–8	4.2 (3.3–5.3)	4.0 (3.1 – 5.1)
9 or more	1	1
Number of siblings at the child's birth (n=3522)	p = 0.0000	p = 0.0000
Two or less	1	1
Three or more	3.5 (2.8–4.4)	3.5 (2.8 – 4.5)
Number of persons per room at age 12 months (n=3423)	p = 0.0000	p = 0.0000
<3	1	1
≥3	2.2 (1.9–2.7)	2.2 (1.8 – 2.7)
Maternal level of physical activity during and after pregnancy (n=3522)	p = 0.0000	p = 0.0000
Physically inactive	2.5 (1.9–3.3)	2.4 (1.8 – 3.2)
Active either during or after pregnancy	1	1
Maternal and paternal smoking during pregnancy (n=3522)	p = 0.0000	p = 0.0000
None	1	1
At least one parent smoked	2.1 (1.7–2.8)	2.1 (1.8 – 2.6)
Maternal smoking during the child's first year of life (n=3404)	p = 0.0000	p = 0.0000

No	1	1
Smoked	1.8 (1.5–2.2)	1.8 (1.5 – 2.1)
Number of father-child activities at age 12 months (n=3424)	p = 0.0008	p = 0.0085
0–2	1.8 (1.3–2.5)	1.6 (1.2 – 2.3)
3–6	1.4 (1.1–1.9)	1.4 (1.1 – 1.9)
7 activities*	1	1
Childcare during the first year of life (n=3523)	p = 0.0008	p = 0.0008
No	2.3 (1.3–4.1)	2.6 (1.4 – 4.7)
Yes	1	1
Intended pregnancy (n=3521)	p = 0.0000	p = 0.0000
Intended	1	1
Unintended	1.6 (1.3–1.9)	1.6 (1.3 – 1.9)
Prenatal care visits (n=3337)	p = 0.0000	p = 0.0000
<6	2.5 (2.1–3.2)	2.4 (1.9 – 3.1)
≥6	1	1
Maternal hospitalization during pregnancy (n=3522)	p = 0.5425	p = 0.6891
No	1	1
Yes	0.9 (0.7–1.2)	0.9 (0.7 – 1.3)
Maternal mental disorder during the child's first year of life (n=3375)	p = 0.0000	p = 0.0000
No	1	1
Yes	1.9 (1.6–2.2)	1.9 (1.5 – 2.3)
Type of delivery (n=3522)	p = 0.0000	p = 0.0000
Vaginal	1.8 (1.5–2.2)	1.6 (1.4 – 2.0)
Cesarean section	1	1
Gestational age (n=3521)	p = 0.0009	p = 0.0023
<37 weeks	1.5 (1.2–1.9)	1.5 (1.2 – 1.9)
≥37 weeks	1	1
Birth weight (n=3522)	p = 0.0003	p = 0.0002
<2500 g	1.7 (1.3–2.3)	1.8 (1.3 – 2.3)
≥2500 g	1	1
Health condition at birth (n=3514)	p = 0.0078	p = 0.0033
No	1	1
Yes	1.4 (1.1–1.8)	1.5 (1.2 – 2.0)
Child's gender (n=3522)	p = 0.0003	p = 0.0006
Female	1	1
Male	1.4 (1.2–1.7)	1.4 (1.1 – 1.7)
Child hospitalization during the first year of life (n=3424)	p = 0.0000	p = 0.0001
No	1	1
Yes	1.6 (1.3–2.0)	1.5 (1.2 – 1.9)
Duration of breastfeeding (n=3512)	p = 0.0000	p = 0.0000
<1 month	2.2 (1.7–2.9)	2.2 (1.7 – 2.9)
1–11 months	1.2 (1.0–1.5)	1.2 (1.0 – 1.4)
≥12 months	1	1
Duration of exclusive breastfeeding (n=3474)	p = 0.0000	p = 0.0000
<1 month	2.8 (1.8–4.3)	2.6 (1.7 – 4.0)
1–5 months	2.1 (1.4–3.1)	2.0 (1.3 – 3.0)
≥ 6	1	1

Weight-for-age deficit during the first year of life (n=3522)	p = 0.0000	p = 0.0000
No	1	1
Yes	2.1 (1.7–2.7)	2.1 (1.7 – 2.7)
Height-for-age deficit during the first year of life (n=3523)	p = 0.0000	p = 0.0000
No	1	1
Yes	2.0 (1.6–2.5)	2.0 (1.6 – 2.5)
Head circumference-for-age deficit during the first year of life (n=3522)	p = 0.0000	p = 0.0000
No	1	1
Yes	2.4 (1.9–3.2)	2.4 (1.8 – 3.1)
Weight-for-height deficit during the first year of life (n=3521)	p = 0.0634	p = 0.1056
No	1	1
Yes	1.4 (1.0–2.0)	1.4 (0.9 – 2.0)
Mother's self-rated health (n=3421)	p = 0.0000	p = 0.0000
Excellent/very good	1	1
Good/fair/poor	2.1 (1.7–2.6)	2.0 (1.6 – 2.5)
Maternal perception of the child's health status (n=3424)	p = 0.0000	p = 0.0000
Excellent/very good	1	1
Good/fair/poor	2.4 (2.0–2.9)	2.3 (1.9 – 2.8)

CI = confidence intervals; OR = odds ratios; IQ = intelligence quotient