ONLINE SUPLEMENTARY MATERIAL

TABLE A1

Characteristics of the response, complete case and imputed samples

	Response sample	Complete case n=3210	Imputed n=7533
Maternal age (years)[a]	29.5 (0.06)	29.5	29.5
Maternal smoking during pregnancy[b]	16.7% (1199)	15.6%	16.7%
High blood pressure during pregnancy[b]	8.3% (602)	8.7%	8.3%
Diabetes during pregnancy[b]	3.2% (231)	3.2%	3.2%
Twins[b]	1.7% (125)	1.7%	1.7%
School card[b]	20.4% (999)	12.0%	19.3%
SEIFA[b]			
Quintile 1	18.2% (1368)	14.6%	18.2%
2	20.9% (1576)	20.6%	20.9%
3	21.4% (1608)	22.7%	21.4%
4	20.2% (1522)	20.1%	20.2%
Quintile 5	19.3% (1451)	22.0%	19.3%
Lives in a remote area[b]	3.9% (294)	5.2%	3.9%
Male[b]	49.0% (3569)	48.4	49.0%
Aboriginal and/or Torres Strait Islander[b]	2.0% (152)	1.4%	2.0%
Gestational age at birth (wk)[a]	39.0 (0.02)	39.1	39.0
Birth weight (z-score) [a]	0.02 (0.01)	0.05	0.02
No employed parent in household[b]	1.4% (51)	1.4%	2.2%
No parent completed year 12[b]	21.1% (818)	20.7%	21.8%

Percentages may not sum to 100% due to rounding.

[a] values are mean ± SE. [b] values are %. SEIFA: Socio-Economic Indexes for Areas

TABLE A2

Relative Risk (95% confidence intervals) of developmental vulnerability on the Australian Early Child Development Census (AEDC) according to weight category (healthy weight is the reference category), in complete sample (n ranges from 3202 to 3210, depending on AEDC domain)

	Physical Health & Wellbeing RR (95% CI)	Social Competence RR (95% CI)	Emotional Maturity RR (95% CI)	Language and Cognitive skills RR (95% CI)	Communication & General Knowledge RR (95% CI)	Vulnerable on one or more domains RR (95% CI)
			Unadjusted			
Thin	0.84 (0.46, 1.58)	1.32 (0.81, 2.16)	0.70 (0.37, 1.26)	0.74 (0.27, 1.99)	0.71 (0.32, 1.60)	0.92 (0.65, 1.31)
Overweight	1.08 (0.75, 1.57)	0.78 (0.51, 1.20)	0.75 (0.51, 1.11)	0.68 (0.34, 1.35)	0.93 (0.58, 1.50)	0.81 (0.63, 1.04)
Obese	2.50 (1.67, 3.73)	1.70 (1.05, 2.75)	0.87 (0.47, 1.61)	1.65 (0.78, 3.51)	1.52 (0.82, 2.84)	1.55 (1.16, 2.07)
			Adjusted[b]			
Thin	0.89 (0.49, 1.62)	1.38 (0.85, 2.26)	0.69 (0.38, 1.25)	0.80 (0.30, 1.25)	0.71 (0.33, 1.55)	0.96 (0.68, 1.34)
Overweight	1.11 (0.76, 1.61)	0.81 (0.53, 1.22)	0.77 (0.53, 1.13)	0.64 (0.32, 1.27)	1.00 (0.62, 1.60)	0.82 (0.64, 1.04)
Obese	2.29 (1.53, 3.42)	1.61 (0.99, 2.61)	0.86 (0.49, 1.52)	1.27 (0.58, 2.77)	1.48 (0.78, 2.81)	1.45 (1.09, 1.94)

[a] Weight status was determined using z-scores of body mass index for age and International Obesity Taskforce cut-points (Cole, et al., 2000; Cole, et al., 2007). The reference category for the calculation of relative risks is healthy weight. [b]Models were adjusted for the following potential confounders; maternal age, smoking during pregnancy, hypertension during pregnancy, diabetes during pregnancy, singleton birth, sex, gestational age at birth, birthweight for gestational age z-score, Aboriginal and/or Torres Strait Islander status, parental education, parental occupation, school card, level of socioeconomic disadvantage of residence, and living in a remote area.