Supplementary Table 1

Predictors used in derivation models for the prediction of early childhood obesity or overweight.

STUDY	OUTCOME	INFANT									PREGNANCY				MOTHER						OTHER			
		Age at introduction of solids	Birth weight (z-score or kg)	Breastfeeding (any/exclusive)	Ethnicity	Gestational age	Infant BMI	Height or length	Sex	Weight gain (z-score or rapid)	Smoking during pregnancy	Gestational weight gain	Hospital delivery	Parity	Maternal age	Maternal education	Maternal English proficiency	Maternal ethnicity	Maternal occupation	Maternal pre-pregnancy BMI	Number of household members	Parental obesity	Paternal BMI	Household smoking
Levine et al. 2012	Overweight/obesity at 5 years of age	–	✔	–	✔	–	–	–	–	✔	–	–	–	–	–	✔	–	–	–	–	–	✔	–	–
Morandi et al. 2012	Obesity at 7 years of age	–	✔	–	–	–	–	–	–	–	✔	–	–	–	–	–	–	–	✔	✔	✔	–	✔	–
Morandi et al. 2012	Overweight/obesity at 7 years of age	–	✔	–	–	–	–	–	–	–	✔	✔	–	–	–	–	–	–	–	✔	✔	–	✔	–
Robson et al. 2016	Obesity at 5 years of age[1]	–	✔	✔	–	–	–	–	–	✔	–	–	–	–	✔	–	–	–	–	✔	–	–	–	–
Robson et al. 2016	Obesity at 5 years of age[2]	✔	✔	✔	–	–	–	–	✔	✔	–	–	–	✔	✔	–	✔	–	–	✔	–	–	–	–
Santorelli et al. 2013	Obesity at 2 years of age[3]	–	✔	–	–	✔	–	–	–	✔	–	–	–	–	–	–	–	✔	–	✔	–	–	–	–
Steur et al. 2011	Overweight/obesity at 8 years of age	–	✔	–	–	–	–	–	✔	–	–	–	✔	–	–	–	–	–	–	✔	–	–	✔	✔
Weng et al. 2013	Overweight/obesity at 3 years of age	–	✔	✔	–	–	–	–	✔	✔	✔	–	–	–	–	–	–	–	–	✔	–	–	✔	–
Zhang et al. 2009	Overweight/obesity at 3 years of age from data by 6 weeks[4]	–	✔	–	–	–	–	✔	✔	✔	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Zhang et al. 2009	Overweight/obesity at 3 years of age from data by 8 months[4]	–	✔	–	–	–	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Zhang et al. 2009	Overweight/obesity at 3 years of age from data by 8 months[5]	–	✔	–	–	✔	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–	–	–	–	–	–

[1] Robson et al.'s reduced model. [2] Robson et al.'s full model [3] Santorelli et al. developed 3 models, i.e., one for use at 6±1.5 months (equation 1), a second for use at 9±1.5 months (equation 2), and the third for use at 12±1.5 months (equation 3). Only equation 1 is reported here, as results for equation 1 and equation 2 were very similar, and equation 1 was considered clinically more useful because of the earlier prediction age. [4] Models developed from data before 6 weeks or 8 months of age, using support vector machines (SVM) or naive Bayes. [5] Models developed from data before 8 months of age, using decision tree, association rules, logistic regression, neural network, linear SVM, radial basis function SVM, naive Bayesian, or Bayesian network.

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