

S1 Supplemental table. Description and categorization of variables

Variable	Source	Variable description	Original categories	Coding in the analyses
Categorical variables				
Municipality class	¹	Municipality group of municipality of domicile according to the 2016 regional division	1=city 2=urban 3=rural	1=city 2=urban 3=rural
Adolescent (age≥16 years) in high school	¹	Type of education	2=high school 3=vocational school 4=higher (third-level) education 5=university of applied sciences 6=vocational school	Yes: 2 No: other
Mother lives in the same household	¹	Status in family	1=head of the family 2=spouse 3=child 4=head of the cohabiting family 5=spouse of cohabiting family 9=unknown 0=not member of family	Yes: 1, 2, 5 (1 among single mothers) No: other
Father lives in the same household	¹	Status in family	1=head of the family 2=spouse 3=child 4=head of the cohabiting family 5=spouse of cohabiting family 9=unknown 0=not member of family	Yes: 1, 4 No: other
Mother/father: degree of highest education	¹	Educational level of highest qualification/degree	1= Vocational 2= Specialised vocational 3= Lowest tertiary 4= Bachelor's degree 5= Master's degree 6= Doctor's degree	0= No qualification (missing values coded as 0) 1= Vocational 2= Specialised vocational 3= Lowest tertiary 4= Bachelor's degree 5= Master's degree 6= Doctor's degree
Continuous variables				
Child's age (with decimal numerals)	²	Child's age when weight and height was measured		age= (date of measurement - date of birth)/365.25 Figure 1: integer value of age was calculated Figure 2: age in 12 categories: 2, 3-4, 5, 6, 7, 8, 9-11, 12, 13, 14, 15-16, 17

Any children <14 years of age	¹	Number of children aged under 14 in the family		Yes: ≥1 No: other
Annual household's disposable money income (euros)	¹	Household's disposable money income without equalizing according to household's size		Figure 3: 1= <30 000 2= 30 000–39 999.99 3= 40 000–59 999.99 4= 60 000–69 999.99 5= 70 000–79 999.99 6= 80 000–99 999.99 7= ≥ 100 000 When “father's age 35–39”, categories 2 and 3 were recoded into 4, and categories 6 and 7 were combined into 5. When “father's age 30–34” or “father's age <30”, category 1 was recoded to 2 and categories 5–7 were recoded into 4. When “father's age 40–44”, “father's age 45–49” or “father's age >49”, category 2 was recoded into 3.
Mother's age (years, integer value)	¹	Person's age at last day of year		Figure 3: 1= <30 2= 30-39 3= >39
Father's age (years, integer value)	¹	Person's age at last day of year		Figure 3: 1= <30 2= 30-34 3= 35-39 4= 40-44 5= 45-49 6= >49

¹Statistics Finland²Register of Primary Health Care visits