

Table SI. Definitions of background factors and possible predictive factors

Variable	Definition
Low socioeconomic status	Both parents were blue-collar workers, or 1 parent blue-collar worker and the other parent was a student, housewife/house husband on disability pension or unemployed.
Exclusive breastfeeding ≥ 4 months	Infant was breastfed for at least 4 months, without exposure to solid food or formula, according to parental questionnaire at 1 year of age.
Parental allergy	Mother and/or father with doctor's diagnosis of asthma and asthma medication and/or doctor's diagnosis of hay fever in combination with furred pets and/or pollen allergy and/or doctor's diagnosis of eczema (contact allergy among parents is excluded) at baseline.
Parental smoking	Either parent smoking at least 1 cigarette per day at baseline, when the children were in median 2 months old.
Low birthweight	Weight at birth $< 2,500$ g.
Preterm birth	Gestational age < 37 weeks.
Young mother	Mother's age at child's birth ≤ 25 years.
Older sibling	Any older sibling in household at birth.
Parent born outside of Scandinavia	Either parent not born in Sweden, Denmark, Norway or Finland.
Overweight at age 4 years	Body mass index ≥ 25 kg/m ² , measured at the clinical examination at age 4 years.
Asthma at ages 1 and 2 years	At least 3 episodes of wheeze in the last 12 months in combination with treatment with inhaled glucocorticoids and/or sign of suspected hyper-reactivity without concurrent upper respiratory infection.
Asthma at age 4 years	More than 3 episodes of wheeze in the last 12 months and/or at least one episode of wheeze in the last 12 months in combination with inhaled steroids occasionally or regularly.
Preschool asthma	Asthma at 1, 2 and/or 4 years of age.
Rhinitis	Symptoms from nose and/or eyes after exposure to furred pets or pollen and/or doctor's diagnosis of rhinitis.
Rhinitis at age 1 year	Symptoms at 0–1 years and/or doctor's diagnosis at 0–1 years.
Rhinitis at ages 2 and 4 years	Symptoms in the last 12 months and/or doctor's diagnosis since last follow-up.
Preschool rhinitis	Rhinitis at 1, 2 and/or 4 years of age.