

*Appendix SI. Missing values*

There were 27 missing values for age at onset of eczema, 11 missing values for food allergy and living in urban/rural surroundings. Furthermore, 9 parents did not reply to a question regarding economic problems, there were 5 missing values for physician-diagnosed rhinitis, and typical location of eczema rhinitis, and 6 for severity of eczema. In total, there were 65 children without full data for the analysed variables, or 7.3% of the study population. In both crude and adjusted analysis, the individuals with missing values were excluded; data of 829 was included in the analysis. Further missing values for variables included in the crude analysis were 11 for physician-diagnosed asthma, 9 for birth order, 7 for birth-weight, 5 for breastfeeding, 46 for year of house construction, 23 for polyvinyl chloride (PVC) flooring material, and 12 for wheezing.