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**Title:** Influence of family's smoking on their children in high school

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**Body:** Background: Smoking is important as one of the aggravation factors of respiratory diseases, including bronchial asthma. The smoking rate in Japan is maintaining the still high value. Although it is presumed that the start of smoking is before 20 years old, the actual condition is not necessarily clear. To grasp the actual condition of smoking in high school students is important for this age is the points to be the time for remission or adult asthma. Aim: The aim of this study is to clarify the reality of the smoking in high school students from the view point of the influence of family smoking. Subjects and methods: In 2009, four high schools in Japan were asked to complete a questionnaire to students. Questionnaire is anonymous and, as information about individuals, was asked to fill in only the age and gender. 1815(827 male, 988 female) were obtained from a valid answerer. Results: 1, who currently has asthma symptoms, history of asthma was decreased in the order of the person who has smoking mother, father, others. 2, Children had a higher prevalence of smoking and from younger age when father and mother is smoker, especially father had been smoking. 3, when mother has been smoking children at the time of the first buy at a convenience store. 4, Current smoking rate of children is high when the parents have been smoking. 5, if mother has been smoking, children of high school students do not intend to try to stop smoking. 6, if there are smokers in the family, 15% of children obtain the cigarettes from their families. Conclusion: The influence of family smokers is not only the deleterious effects on health but also making their children to be smokers. The parents should stop the smoking for their children.