

Resource Summary Report

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School environmental contamination of methicillin-sensitive *Staphylococcus aureus* as an independent risk factor for nasal colonization in schoolchildren: an observational, cross-sectional study protocol

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Protocol Information

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Summary: A cross-sectional study was conducted in eight elementary schools in Guangzhou, China. Nasal swabs from students and environmental swabs from school environments were collected. Univariate and multivariate logistic regression analyses under a multistage stratified cluster cross-sectional survey design were performed to access the prevalence relationship and influencing factors, respectively. Phenotypic and molecular characterizations of MSSA isolates were conducted using the Kirby-Bauer disk diffusion method and polymerase chain reaction assays, respectively.

Associated Publications: Lin J, Zhang T, Bai C, Liang J, Ye J, Yao Z (2018) School environmental contamination of methicillin-sensitive *Staphylococcus aureus* as an independent risk factor for nasal colonization in schoolchildren: An observational, cross-sectional study. PLoS ONE 13(11): e0208183. doi: [10.1371/journal.pone.0208183](https://doi.org/10.1371/journal.pone.0208183)

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