

# Review of: "Carriage of oropharyngeal bacteria among children in a vulnerable rural population living in a tropical region in São Paulo, Brazil"

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The manuscript titled “ Review of: Carriage of oropharyngeal bacteria among children in a vulnerable rural population living in a tropical region in São Paulo, Brazil” is well written and emphasized. It tried to find out the importance of some selected "risk factors" on the colonization of some respiratory pathogens; however, the article has some potential weaknesses:

- 1- The study focused on a highly vulnerable or specific population in one location and ignored the rest of the potentially susceptible population.
- 2- The sample size should represent the targeted population for screening epidemiological studies (the sample size of 44 volunteers might be insufficient for robust statistical analysis, especially when divided into groups), and this small sample size is not suitable for the study scope and goals and weakens the study's conclusions.
- 3- The study did not use a suitable formula to calculate the sample size that is based on the known population.
- 4- Why was *S. pneumoniae* carriage associated with being female and of brown color? Needs justification.
- 5- In the materials and methods, the DNA extraction method is more detailed and can be illustrated.