Reviewer’s report

Title: Streptococcus pneumoniae colonisation in children and adolescents with asthma: impact of the heptavalent pneumococcal conjugate vaccine and evaluation of potential effect of thirteen-valent pneumococcal conjugate vaccine

Version: 0 Date: 21 Sep 2015

Reviewer: Enrique Bernaola Iturbe

Reviewer’s report:

Suggested corrections

Methods:

Line 120 should be better at this point explicit as asthma classified by severity or control, depending on the clinic (measured by standardized questionnaires or not) of FEV1, the therapeutic step for symptom control, and expose different groups in which divides patients.

RESULTS:

line 183 results are shown in Table 2. expressed by reading the table we sense that the age, sex, smoking parents and siblings are expressed as risk-adjusted those 4 variables and the rest of the following set one by one according to these variables.

But it could also be that the first raw variables are the following risks and adjusted one by one by the previous four. It is confusing, it would be better to include raw risks in a column and other risks adjusted for the previously selected variables. Then in the text for explicit variables should indicate whether crude or adjusted risk.

line 191. In the same way as before, it seems interesting to see the crude and adjusted odds ratio, to see whether there are differences, since so many variables in setting a priori age stratification may be lost statistical power.

Line 203: Same comment as for previous, being as important as the groups are getting smaller.

DISCUSSION

Line 267: Although the results are not significant seems to be more common carrier status in children with intermittent and less severe asthma and those who have well-controlled asthma. It should be incised on this point, since it not only shows that the most severe asthmatics are more likely, but trends point seems just the opposite.
Table 2

It is striking that is used as reference mild persistent asthma and no intermittent, especially teniedo note that the OR is 1.5 and could alter the significance of other groups if it is used as a reference. Reference should be used as intermittent asthma, which is the mildest, and if not for some reason and does explain why

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

No

Are the conclusions drawn adequately supported by the data shown?
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