

tropicalmed-2172605: Association between Meningococcal Meningitis and Santa Ana Winds in Children and Adolescents from Tijuana, Mexico, a 3 need for Vaccination

Thank you for this interesting work.

After reviewing I found some remarks that had really draw my attention.

Even the title refers to the association between MeM and SAW, your statistical analysis go in the sense of comparison between MeM and NMeM. In fact, calculating RR for MeM/ NMeM means that you compare the prevalence of MeM and NMem during the seasons with and without SAW.

The other point is related to the calculation SAW season. Your calculation is based on data of 65 years but (for the Saw season) and your survey cover 13 years (2015-2018) with about 65% of the total period not covered by the (climatic data). It would be better if you can use climatic data of the these 13 years (from 2005-2018).

Also, the manuscript needs to be revised for some spelling errors.

I have also other remarks that appealed me:

Line 13: ... the reason for **this** (What? Phenomenon, high prevalence.....).

Line 17: Our aim was to **demonstrate, as a short communication** (delete "as a short communication" and correct the verb "demonstrate" (to determine, to find....)(you can not demonstrate with a such small study).

Line 22: You should add the descriptive statistics of your study population

Line 38: dry season, **from January to March**, (you should precise that this is the dry season in this region since the dry season changes from region to another).

You do not need to ad this period again in line 40.

Line 41: from Bode'le' (Chad) : Are you sure that the word is correct?

Line 41: ..causing **weekly incidence rerates**....(of what??)

Line 51: ...and maybe...(please substitute this word by a more adapted one)

Lines 52-55: These two sentence are arbitrary (and also with no reference) added and could be deleted.

Lines 57-58:rates varying from **2.6, 4.2 and 7.6 /100,000 in children < 16, 5, and 2 years** of age. The sentence is not clear. reformulate please.

Line 58: respectively, **being** *Neisseria*....(correct please)

Line 64: however, MUV at 11 years of age started in the USA since 2005, 64 and as mentioned, is not part of the Mexican NIP.

This sentence has no relation with the last paragraph (Why did you se however). I suggest to delete this sentence.

Line 67: ..With high **mortality**....(with high lethality rate..).

Line 67: In this short communication (delete please).

Methods:

I have a concern in this art related to the number of individuals in the population which differs from the number of cases reported in the first manuscript (ref 8). You should explain how did you obtain this number from the first one.

Results:

You add the descriptive statistics of the study population.

Also, I suggest that the results of the figure may be before those of the table??

Table 1: Correct mem, saw, nmem (capital case)

The title of the figure should be in lower case.

Discussion:

The discussion needs to be summarized and adapted to your results. Some added information are not necessary and are did not contribute in the understanding of your results. (i.e: Line 125- 129: I did not understand this paragraph and what relation it has with the results)

Line 132.....that “**Seguro Popular**” (what does this word mean??).

Line 147:"..**in the introduction section**". delete please.

Conclusion:

This short report (delete please..)