**Reviewer's report**

**Title:** Determinants of poor adherence to secondary antibiotic prophylaxis for rheumatic fever recurrence on Lifou, New Caledonia: a retrospective cohort study

**Version:** 2  **Date:** 13 December 2012

**Reviewer:** Andrew Steer

**Reviewer's report:**

There are still some problems with written English but it is much better and I am sure it will be able to be dealt with at the editorial level.

All minor points except for (22):

1) line 64 - change to "protective against"
2) line 73 - not sure what "ARF referent" means (referent is not a term I have come across before relating to ARF). This needs to be re-written.
3) line 113 - 'consists in' should be 'consists of'
4) line 127-128 - this sentence does not make sense: 'adherence is a dynamic and evolutive process which rates can range from 0 to more than 100%'
5) line 140 - the tense of this sentence needs to be changed: 'In the Pacific region we HAVE found the highest prevalence rates of RHD in the world'
6) line 140 - delete the word "rate" because prevalence is cross-sectional, not a time related figure
7) line 142 - change 'and' to 'but': year of primary school [23] BUT there are no data relating to the level of adherence
8) line 147 - Add s to ethic: Ethics Statement
9) line 159-60 - sentence needs fixing: Population comprises 96% of Melanesian
10) line 162: delete "all" - mostly water and electricity...
11) line 165: change referent to a better term - "ARF referent"
12) line 169-171: this sentence does not make sense: "Cardiologist's consultation, echography, electrocardiogram and transportation to the cardiologist are free of charge when a full medical coverage cost is effective."
13) line 190 - 'unique interviewer' should be 'single interviewer'
14) line 191 - this does not make sense: "For children in age to understand but < 16 years old"
15) line 195-198: - please re-write this sentence and use the term patient recall and not "memorization" or "memories"
16) line 207: change to value - Variables with a two-sided p value
17) line 240 - the term "have a full medical coverage cost" does not make sense
and needs to be fixed
18) line 251-2 - where was the study done by by Eissa et al (please include location).
19) line 267: "large siblings of children" - please re-write
20) line 268: "but populations were not comparable with our" - please re-write so this makes sense
21) line 269: what does "large sibling" mean??? Do the authors mean "large number of siblings" perhaps?
22) line 278-94: this whole section is a bit confusing. Clarification required.
22a) line 284-6 - please re-write.
23) line 287 - please delete the "'s" in cardiologist's
24) line 306 - single, not unique
25) line 311 - does "interrupt" mean "cease"???
26) line 312 - replace "his" with "its"
27) line 324 - replace the term "ARF referent"
28) line 327 - delete "so"
29) line 329 - what does this phrase mean? "is probably a most appropriate" - please re-write.