Reviewer's report

Title: Potential drug-drug and drug-disease interactions in prescriptions of ambulatory patients in Family Medicine Clinics in Mexico

Version: 4 Date: 21 August 2007

Reviewer: Yen-Fu Chen

Reviewer's report:

General

The revised manuscript was substantially improved in terms of the descriptions of the methods used and the setting in which the study was conducted. The sampling strategy of the study was appropriately taken into account in the interpretation of the findings.

I have only a few very minor comments.

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

None.

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

Page 4 Introduction: 'a large study including 70,203 outpatient visits by patients aged 65 and older found that 2.58% of patients....' According to the original paper it should be '2.58% of visits....' rather than '2.58% of patients....'.

page 17, Table 2: typo: Anti-'invectives' for systemic use

page 19, Table 4, footnote: should it be '*P<0.05' rather than '*P>0.05'?

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Discretionary Revisions (which the author can choose to ignore)

Page 7 Method, first para, last sentence: '90% of information was obtained through personal interview and was completed (diagnosis and prescriptions) through the electronic medical charts and the electronic prescriptions.' This sentence is not very clear. Could consider rephrasing it, such as 'Ninety percent of information (diagnosis and prescriptions) was obtained through personal interview and additional data were obtained from electronic medical charts and the electronic prescriptions.' (not sure if my interpretation is correct)
Page 8 Statistical analysis, 3rd sentence 'A bivariate analysis to ascerain drug-drug and drug-disease interaction.....' Maybe this can be changed to 'A bivariate analysis to ascertain potential factors associated with drug-drug and drug disease interaction....'

Page 10 Results, 3rd para on this page: 'The factors significantly associated with having one or more potential drug-drug interactions included: ....' Consider adding 'in the logistic regression model' before the word 'included'.

What next?: Accept after minor essential revisions

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no financial competing interest. I had conducted research of drug interactions in primary care in the UK and have active research interest in this field.