Reviewer’s report

Title: Decision Support During Electronic Prescription to Stem Antibiotic Overuse For Acute Respiratory Infections: A Long-Term, Quasi-Experimental Study

Version: 2 Date: 09 May 2017

Reviewer: Samantha Rowbotham

Reviewer's report:

Thank you for submitting a revised version of this manuscript. I believe that it has improved considerably and there are only some minor suggested amendments remaining.

Abstract

First sentence: 'interventions that can improve the use of antibiotics…' - 'interventions' here is too broad, narrow to the particular types of interventions you are concerned with, e.g. 'While interventions to support decision making can reduce inappropriate antibiotic use, they may not be sustainable'

Line 42: Not clear why adjusted odds only reported for azithromycin concordance and not for others?

Introduction

Line 54-55: Change 'In the outpatient setting' to 'in outpatient settings'

Methods

Line 86-88: Clarity of wording, consider amending to 'This is a retrospective, observational study designed to assess the long term effects of CDSS use and the consequence of CDSS withdrawal on the guideline concordant antibiotic prescribing'

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.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

I declare that I have no competing interests
I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal