Reviewer's report

Title: A Brief Educational Intervention Improves Disinfection Behaviour Change Strategies

Version: 3
Date: 27 March 2015
Reviewer: Varvara Mouchtouri

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Major Compulsory Revisions
1. The term hand hygiene includes a) hand washing with soap and water and b) hand antisepsis. Hand antisepsis is necessary only on specific situations. When the authors refer to the “disinfectant behaviour” what exactly does this mean? Someone may wash hands with soap and water and achieve the level of cleanliness without using antiseptic. If the researchers asked in the questionnaire only questions about the use of antiseptics and not for hand washing then, the activities before and after the hand antisepsis should have been considered to evaluate the behaviour. This is not clear from the text.

2. Methods are not adequately described. Action plans and coping plans description in the specific context of this experiment needs to be added in the methods section.

3. The terminology used for hand hygiene is not consistent throughout the document. "Disinfection behaviour" is not a valid term. The title should change so that represents the content of the article. Hand disinfection could be mentioned as hand hygiene or hand antisepsis. But it is not clear what the study measured: the use of antiseptic or the hand washing practices.

4. The article should revised by a native speaker. The study group could also be better defined in the abstract.

Level of interest: An article of limited interest

Quality of written English: Not suitable for publication unless extensively edited

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.