Reviewer’s report

Title: Mapping educational opportunities for healthcare workers on antimicrobial resistance and stewardship around the world

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Reviewer: Dilip Nathwani

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This is a very useful and timely review of the resources to support global AMR and stewardship activity.

It is well written and the data presented appropriately. The conclusions are very important and should support future policy and action.

I have some specific queries/comments which I hope the authors will be able to address and find helpful.

1. Methods: the search should have included antimicrobial stewardship as well as antibiotic as these terms [often wrongly ] are used interchangeably. The AMR is a very broad term and may have brought up a lot of material in relation to infection prevention/control- the authors do not mention or distinguish here.

2. Methods: the data collected concentrated on program type, country, region and target audience. It would have been helpful to know language[ assume all English/French-translation available ? ], cost or free to access, whether it was certified or had CPD credit, if there was any assessment and if there was any impact metrics for any of the courses ?

3. Results? It would be visually compelling if there is a map showing the disparity of resource by country / continent

4. Results: the figures are not annotated in their pages

5. Is there any information about sustainability of the courses- some seem "one off" while others are more sustained- there is little information about how accessible and up to date the material is, particularly in relation to the web based resource. Furthermore, we have not information in the comments if the material presented may or if there are relevant to different geographies and healthcare systems.

6. Discussion is good, well structured, appreciation of limitations and the key messages are well considered and articulated. Perhaps a stronger voicing of the needs for accreditation,
support and steer from governmental bodies about the quality and value of key programs, the need for a dedicated overseeing platform for such educational resource would be hugely beneficial along the lines of support provided by WHO for example to surveillance systems and finally, a push towards recommending a broad undergraduate curriculum with competencies.

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None in relation to the article although some of my work is cited.

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