**Reviewer’s report**

**Title:** HOSPITAL PHARMACY WORKFORCE IN BRAZIL

**Version:** 1  **Date:** 12 Oct 2017

**Reviewer:** Norbert Dreesch

**Reviewer's report:**

Comments:

HRHE-D-17-00128R1

The article received is of high interest to HRH policy makers in Brazil in order to reduce inequalities in access to pharmacists through the service system in the country.

Prior to publication, a number of misspellings and English language corrections must be undertaken, proposals are listed below. In addition, as set out below, Table 4 needs a re-visit and clarifications prior to publication.

Title page: Indicate Degree of Thiago R. Santos properly (B? Pharm or PhD?)

Page 3: Background

Line 11: replace "highlight" with "highlights"

Line 13: the new sentence and its continuation on line 14 should read:

"The key policy points (polypharmacy and medicine reconciliation) are pharmacists' skills [01]. Including the need for increasing pharmacists for patient care programs, in 2013 the World Health Organization (WHO) estimated ……….

Line 19: insert" response to" after the word "workforce", delete "for"

Page 5:

Line 9: replace "been evidenced" with "with evidence of"

Line 12: replace "Hospital" with "hospital"

Page 6:
Line 7: after "complexity" insert "hospitals are"

Line 9: delete "to", replace with "with"

Page 8:

Line 8: replace "were" with "was"

Line 14: replace "logistc" with "logistic"

Line 16: replace "States" with "States'"

Line 17: replace "professional" with "professionals"

Page 10: Table 2

Line 2: Delete the word "relationship" and add the reference year

Please reconfirm that the calculations presented in the last column "Hospital beds/1,000 population are correctly indicated and not per 10,000 population.

Page 11: Table 3

Replace "…of specialised hospitals" with "of specialized hospitals"

Please check the raw data and insure that the total number of "Subtypes of specialized hospitals" adds to 1058 not 1061. Please adjust the percentage column accordingly.

Page 14: Table 4

Replace "….specialised hospital" with "specialized hospital"

It is my understanding that the sum total of the No/Yes categories for "Subtypes of specialized hospital" corresponds to No=505 and Yes=553. However, the total number for the different types of hospitals when added up render 369 for "Yes" and 579 for "No".

Please check the raw data and correct, if my understanding is correct. Adjust percentages accordingly.
Along the same lines, please check the total number resulting from the sub-stratum "Complexity kevel" (total number of responses 4787 as opposed 4790).

Please adjust the resulting figures in the texts that follows if referring to them.

Page 16:

Line 10: delete "accordingly", replace with "according"

Starting on Line 17:

Replace the sentence "The Minimum Standards ….." with "The Minimum Standards for Hospital Pharmacy and Healthcare Services recommend at least one pharmacist for each 50 hospital beds for dispensing activities in the country."

Line 21:

Delete "to"

Page 17:

Line 1: "replace "The" with "the"

Line 2: Replace "recognise" with "recognizes"

Line 3: add " : " after the word "including"

Line 13: replace "The" with "the"

Line 15: replace "pharmacist" with "pharmacists"

Line 16: replace "Even so, ….." with "Even so, 18.6% of them still did not have any pharmacists."

Page 18:

Line 11: replace "pharmacist" with "pharmacists"

Line 20: replace "present" with "presents"
Page 19:
Line 8: add "the" after "of"
Line 10: replace "to" with "in"
Line 16: replace "regionals" with "regional"
Line 17: replace "fare" with "far"
Line 19: delete "the", delete "of" replace with "to the"

Page 20:
Line 7: add "the" in front of "USA"
Line 10: replace "pharmacists" with "pharmacists'"
Line 11: add "the" in front of "hospital"
Line 13: add "studies" after "undergraduate"
Line 14: adjust spaces between words
Line 15: replace "Healthcare" with "healthcare", replace "does" with "do"

Lines 22 to 24: Replace the entire sentence with: "The mandatory registration of all Brazilian healthcare facilities in CNES was established by law and data are validated by unannounced visits [44]."

Page 21:
Line 1: replace "of" with "in"
Line 13: replace "in" with "on", replace "focusing" with "focussing"

Page 22:
Line 17: replace "was" with "were"
Line 20: add a proper sentence in the Acknowledgements section
References

1. Adjust spacing and alignment between words throughout the reference section.

2. Choose one reference style for multiple authors and abbreviations of first names. Currently, the last names appear followed by an letter for the first name, sometimes followed by a full stop, sometimes not.

3. Reference 13 indicates the IBGE in its English translation as "Brazilian Institute of Statistics and Geography", the Brazilian title lists "…. of Geography and Statistics". You may wish to correct.

4. Reference 19: replace "august" with "August"

5. Reference 20: add space between "outpatients" and "with"

6. Reference 21: space between "on" and "pharmacotherapy"

7. Reference 42: replace "from" with "of"

8. Figure 1

Replace "baloons" with "circles" throughout the text

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Please indicate how interesting you found the manuscript:

An article of importance in its field

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Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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