



Ratna Dwi Wulandari <ratna-d-w@fkm.unair.ac.id>

Invitation to review manuscript PONE-D-20-23173 for PLOS ONE - Reminder - [EMID:6f7c2f9fd3eef945]

1 message

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Reply-To: PLOS ONE <plosone@plos.org>
To: Ratna Dwi Wulandari <ratna-d-w@fkm.unair.ac.id>

Sun, Sep 20, 2020 at 2:12 PM

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- - -

Dear Dr Wulandari,

We are writing to follow up on your invitation to review the below manuscript, which has been submitted for publication in PLOS ONE. The Academic Editor would very much value the input of your expertise in the evaluation of this submission.

PONE-D-20-23173

Determinants of change in timely first antenatal care booking among women who gave birth in Ethiopia

The author list and abstract are appended below, plus more detailed information about PLOS ONE and its editorial criteria. If you accept this assignment, you are confirming that you have no competing interests that may affect your ability to provide an objective evaluation. Our Competing Interests policy can be found at <http://journals.plos.org/plosone/s/competing-interests>. If you have any potential competing interests, you should decline this assignment.

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If you have any questions or concerns, please contact us at plosone@plos.org.

With kind regards,
PLOS ONE Staff

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Manuscript #: PONE-D-20-23173**Title:** Determinants of change in timely first antenatal care booking among women who gave birth in Ethiopia**Authors:** Melaku Yalew; Bezawit Adane; Yitayish Damtie; Bereket Kefale**ABSTRACT:**

Background: Even though maternal health was highly targeted in different global strategies, maternal mortality could not be decreased as was expected. Besides this, prior decomposition analysis to the possible cause of changes to timely first antenatal care (ANC) booking has not been conducted. Therefore, this study aimed to assess determinants of change in timely first ANC booking among women who gave birth five years before the survey in Ethiopia.

Methods: The study utilized three consecutive Ethiopia Demographic and Health Survey (EDHS) datasets which were collected through cross-sectional study design. A total of 7,307, 7,908 and 7,590 women who gave birth five years before the survey in 2005, 2011 and 2016 EDHS were included in the analysis. The data were analyzed by using Stata/SE version 14.0. Logit based decomposition analysis was done to identify contributing factors for change in timely first antenatal care booking and statistical significance was determined by using P-value.

Result: The trend of timely first ANC booking was increased from 6% to 20% in the last ten years. The analysis revealed that 14% of the overall change was because of the change in women's composition. Changes in the composition of women according to region, education and occupation status were the major sources of this change. The remaining, 86% of the increase was due to differences in the coefficient. Mostly, the change in behaviors of the Oromia population, those who have lived in the rural areas and male household head were some of the contributing factors for the increase in timely first ANC booking.

Conclusion: Timely first ANC booking was increased over the last decade in Ethiopia and the change was due to both change in population composition and change in the coefficient. Mostly, change in the composition of women according to residency, religion, education and occupation status of women and the difference in coefficient: Coefficient of rural residents, male household head and those populations who lived in the Oromia region contributed to this change. Interventions targeting the male household head, rural residents and those women who lived in the Oromia region should be emphasized to increase further in timely first ANC booking. In addition to this, promoting women in terms of education and creating job opportunities could be the other recalled intervention areas.

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4. Conclusions are presented in an appropriate fashion and are supported by the data.
5. The article is presented in an intelligible fashion and is written in standard English.
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Ratna Dwi Wulandari <ratna-d-w@fkm.unair.ac.id>

Invitation to re-review a revised paper - PLOS ONE PONE-D-20-23173R1 - [EMID:cb6e9d72fad85cd5]

1 message

PLOS ONE <em@editorialmanager.com>
Reply-To: PLOS ONE <plosone@plos.org>
To: Ratna Dwi Wulandari <ratna-d-w@fkm.unair.ac.id>

Tue, Mar 23, 2021 at 10:27 PM

Dear Dr. Wulandari,

Thank you for your previous review for *PLOS ONE* submission "Determinants of change in timely first antenatal booking among women in Ethiopia: A decomposition analysis" (PONE-D-20-23173R1). Your comments were shared with the authors, who have now submitted a revised version of their manuscript. I would be grateful if you could review this revised submission and evaluate whether the authors have addressed your concerns and made the manuscript acceptable for publication. At the end of the submission PDF, you will find a response to previous reviewer comments from the authors, as well as a version of the revised manuscript with tracked changes, if available.

For your reference, the author list and abstract are appended below, plus links to detailed information about *PLOS ONE* and its publication criteria. This manuscript is a Research Article.

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Beginning May 22, 2019, authors may choose to make the Peer Review History of their article publicly available on publication. As a result, your peer review form responses and comments may be made public if this manuscript was submitted after May 22nd and the author chooses to opt in to the service.

This manuscript was submitted on Jul 25 2020 04:48PM. If you accept this assignment:

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In accordance with the launch of peer review history at PLOS, we have updated our Privacy Policy to inform you, as reviewer, about how PLOS will process your personal information if you consent to disclose your identity and about your right to withdraw consent. The updated Privacy Policy will go into effect May 22, 2019. Please read the updated [Privacy Policy](#).

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If you have any questions or concerns, please contact plosone@plos.org. Thank you very much for considering this invitation, and I look forward to hearing from you soon.

With kind regards,
Dr. PLOS Manuscript Reassignment
Staff Editor

Article Type: Research Article
Manuscript #: PONE-D-20-23173R1

Title: Determinants of change in timely first antenatal booking among women in Ethiopia: A decomposition analysis
Authors: Melaku Yalew; Bezawit Adane; Yitayish Damtie; Bereket Kefale; Reta Dewau; Kefale Mitiku; Mastewal Arefaynie; Assefa Andargie

If the article type is not Research Article, please view this page for more information on other article types: <https://journals.plos.org/plosone/s/other-article-types>

ABSTRACT:

Background: Even though maternal health was highly targeted in different global strategies, maternal mortality could not be decreased as was expected. Besides this, prior decomposition analysis to the possible cause of changes to timely first antenatal care (ANC) booking has not been conducted. Therefore, this study aimed to assess determinants of change in timely first ANC booking among women in Ethiopia.

Methods: The study utilized three consecutive Ethiopia Demographic and Health Survey (EDHS) datasets which were collected through cross-sectional study design. The number of women who gave birth in 2005, 2011 and 2016 survey included in the analysis was 7,307, 7,908 and 7,590 respectively. The data were analyzed by using Stata/SE version 14.0. Logit-based decomposition analysis was done to identify contributing factors for change in timely first ANC booking and statistical significance was determined by using P-value.

Results: The trend of timely booking was increased from 6% to 20% in the last ten years. The analysis revealed that 14% of the overall change was because of the change in women's composition. Changes in the composition of women according to region, education and occupation status were the major sources of this change. The remaining, 86% of the increase was due to differences in the coefficient. Mostly, the change in behaviors of the Oromia population, those who have lived in the rural areas and male household head were some of the contributing factors for the increase in timely first ANC booking.

Conclusions: The increased change in timely booking among women in Ethiopia was due to both changes in population composition and change in the behavior of the population. Mostly, the change in the composition of women according to residency, religion, education and occupation status of women and the difference in behaviors like: behavior of rural residents, male household head and those populations who lived in the Oromia region contributed to this change. Interventions targeting the male household head, rural residents and those women who lived in the Oromia region should be emphasized to increase further timely booking. In addition to this, promoting women in terms of education and creating job opportunities could be the other recalled intervention areas.

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Ratna Dwi Wulandari <ratna-d-w@fkm.unair.ac.id>

PLOS ONE: Guest Academic Editor Manuscript Notification - [EMID:7b00fee61d7b9de2]

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Reply-To: PLOS ONE <plosone@plos.org>
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Wed, Apr 21, 2021 at 4:13 PM

PONE-D-20-23173R2

Determinants of change in timely first antenatal booking among pregnant women in Ethiopia: A decomposition analysis

Mr. Melaku Yalew

PLOS ONE

Dear Dr. Wulandari,

We are writing to let you know that we are assigning you as the Guest Academic Editor of the manuscript entitled "Determinants of change in timely first antenatal booking among pregnant women in Ethiopia: A decomposition analysis" by Melaku Yalew et al.

To access this manuscript, please click on this link: <https://www.editorialmanager.com/pone/l.asp?i=43610794&l=L6JYZ7X0>. The manuscript will appear in your main menu under "My Assignments."

Information for the Academic Editor (as provided by the journal staff):

Please note that the authors have added the following authors:

Reta Dewau, retadewau30@gmail.com, Wollo UniversityKefale Mitiku, kefale21mtkl@gmail.com, Wollo UniversityMastewal Arefaynie, marefaynie@yahoo.com, Wollo UniversityAssefa Andargie, assefaand@gmail.com, Wollo University

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Many thanks and with best wishes,

PLOS ONE

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Ratna Dwi Wulandari <ratna-d-w@fkm.unair.ac.id>

PLOS ONE: A decision has been made on PONE-D-20-23173R2 - [EMID:8098e7132de4ce3d]

1 message

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Mon, Apr 26, 2021 at 4:34 PM

PONE-D-20-23173R2

Determinants of change in timely first antenatal booking among pregnant women in Ethiopia: A decomposition analysis

PLOS ONE

Dear Dr. Wulandari,

Thank you for your review of this manuscript. The Editor has made a decision on this paper and has asked the Author to revise the submission. You may be asked to review the revision of this paper.

I've included a copy of the decision letter below.

You can also access your review comments and the decision letter by logging onto Editorial Manager as a Reviewer. Let me know if you need any help with this!

Best,
Tracy Ronan
Staff EO Lead
PLOS ONE

To: *****
From: "PLOS ONE" plosone@plos.org
Subject: PLOS ONE Decision: Revision required [PONE-D-20-23173R2]

PONE-D-20-23173R2

Determinants of change in timely first antenatal booking among pregnant women in Ethiopia: A decomposition analysis

PLOS ONE

Dear Dr. *****,

Thank you for submitting your manuscript to PLOS ONE. After careful consideration, we feel that it has merit but does not fully meet PLOS ONE's publication criteria as it currently stands. Therefore, we invite you to submit a revised version of the manuscript that addresses the points raised during the review process.

Please submit your revised manuscript by Jun 10 2021 11:59PM. If you will need more time than this to complete your revisions, please reply to this message or contact the journal office at plosone@plos.org. When you're ready to submit your revision, log on to <https://www.editorialmanager.com/pone/> and select the 'Submissions Needing Revision' folder to locate your manuscript file.

Please include the following items when submitting your revised manuscript:

- A rebuttal letter that responds to each point raised by the academic editor and reviewer(s). You should upload this letter as a separate file labeled 'Response to Reviewers'.
- A marked-up copy of your manuscript that highlights changes made to the original version. You should upload this as a separate file labeled 'Revised Manuscript with Track Changes'.
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If you would like to make changes to your financial disclosure, please include your updated statement in your cover letter. Guidelines for resubmitting your figure files are available below the reviewer comments at the end of this letter.

If applicable, we recommend that you deposit your laboratory protocols in protocols.io to enhance the reproducibility of your results. Protocols.io assigns your protocol its own identifier (DOI) so that it can be cited independently in the future. For instructions see: <http://journals.plos.org/plosone/s/submission-guidelines#loc-laboratory-protocols>. Additionally, PLOS ONE offers an option for publishing peer-reviewed Lab Protocol articles, which describe protocols hosted on protocols.io. Read more information on sharing protocols at https://plos.org/protocols?utm_medium=editorial-email&utm_source=authorletters&utm_campaign=protocols.

We look forward to receiving your revised manuscript.

Kind regards,

Ratna Dwi Wulandari, Dr
Academic Editor
PLOS ONE

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Please review your reference list to ensure that it is complete and correct. If you have cited papers that have been retracted, please include the rationale for doing so in the manuscript text, or remove these references and replace them with relevant current references. Any changes to the reference list should be mentioned in the rebuttal letter that accompanies your revised manuscript. If you need to cite a retracted article, indicate the article's retracted status in the References list and also include a citation and full reference for the retraction notice.

Additional Editor Comments (if provided):

The improvements made are following those suggested by the reviewer. However, several aspects need to be refined before this manuscript is ready for publication.

1. Abstract: Conclusions need to be summarized so that there is no repetition of the same sentence as a result.
2. To make it easier for readers who do not understand the decomposition analysis method, it is better to improve the method section with more detailed data processing stages.
3. Line 154: The mention of the percentage of married women for the first time less than 18 years does not match the percentages shown in table 1. Be careful that there are no typos.
4. Please recheck the percentage in table 1; for some variables, the total percentage is not 100%. Some are 0.1% deficient, and some are 0.1% excess -for example, the variables of women's age, women's education status, religion, and region.
5. We recommend that before table 2, the author explains how to get the percentage in Table 2. This is important so that the readers can easily understand table 2.

[Note: HTML markup is below. Please do not edit.]

[NOTE: If reviewer comments were submitted as an attachment file, they will be attached to this email and accessible via the submission site. Please log into your account, locate the manuscript record, and check for the action link "View Attachments". If this link does not appear, there are no attachment files.]

While revising your submission, please upload your figure files to the Preflight Analysis and Conversion Engine (PACE) digital diagnostic tool, <https://pacev2.apexcovantage.com/>. PACE helps ensure that figures meet PLOS requirements. To use PACE, you must first register as a user. Registration is free. Then, login and navigate to the UPLOAD tab, where you will find detailed instructions on how to use the tool. If you encounter any issues or have any questions when using PACE, please email PLOS at figures@plos.org. Please note that Supporting Information files do not need this step.

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