



**SDI Review Form 1.6**

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| Journal Name:            | <b><u>British Journal of Economics, Management &amp; Trade</u></b>                   |
| Manuscript Number:       | <b>Ms_BJEMT_22802</b>                                                                |
| Title of the Manuscript: | <b>Estimating the Effect of Maternal and Child Health Outcomes to GDP per Capita</b> |
| Type of the Article      | <b>Original research Articles</b>                                                    |

**General guideline for Peer Review process:**

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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**PART 1: Review Comments**

|                                     | Reviewer's comment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Compulsory</b> REVISION comments | <p><b>1. Author must review the definition of the maternal mortality ratio stated in parenthesis for accuracy. (Line 52) see below:</b><br/> <b>"...maternal mortality ratio (the number of deaths per 1000,000 live births) from 1990 to 2010."</b></p> <p><b>2. Author must provide a description of the data and indicates how they were obtained. Author must also indicate how the analysis was done for the results. What was the sample size used? What sampling technique was used? If all available data was used then it must be stated and why.</b></p> <p><b>3. Overall, there is so much publication on child and maternal mortalities in rich and poor economies for author to have consulted only nine for this important study.</b></p> <p><b>Ethical Issues:</b> Author needs to indicate why ethical clearance is stated or not needed in this study. Author must also indicate if permission was obtained from appropriate data sources (World Bank) for use of the data.</p> <p><b>Plagiarism :</b> Lines 106-108 in the manuscript below seem exactly as the wording in Bloom (2005). Author must indicate the quote as it appears in the source or author must phrase it in his/her own words.</p> | <p>1. I acknowledge the point of the reviewer in this line. I accept that I failed to double check this portion and made the reviewer confused about the meaning of the maternal mortality ratio. Thus, changing the meaning in the parenthesis into "the number of women who die from pregnancy-related causes while pregnant or within 42 days of pregnancy termination per 100,000 live births" and seen in lines 52-53.</p> <p>2. I acknowledge the observation of the reviewer in this portion. In the original article that I have, prior revising the paper in this publication, it contains all the description of the data, where it was gathered and how it was utilized in the study. I failed to include it in my paper submitted in this journal due to some limitations in the number of words prescribed. With this comment, I am now including this information in the revised paper as shown in lines 206 to 273.</p> <p>3. I understand that the reviewer is looking for several substantial literatures to support the claims of this paper. Yes, I acknowledge that there are several published materials in several publications that tackle the issue on</p> |



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|  | <p>“...suggest that gradual adjustment in 107 income level towards the steady state which means that both the level and growth of inputs can 108 affect economic growth.”</p> <p><b><u>Source of information:</u></b></p> <p><u>Health and Economic Growth - UCLA Anderson School of ...</u><br/> <a href="http://www.anderson.ucla.edu/faculty_pages/.../Bloom%20and%20Canning.pdf">www.anderson.ucla.edu/faculty_pages/.../Bloom%20and%20Canning.pdf...</a><br/>         by DE Bloom - 2005 - <a href="#">Cited by 122</a> - <a href="#">Related articles</a><br/>         We allow for gradual adjustment in income level towards the steady state which ...approach toward studying the effect of health on economic growth is to focus</p> | <p>maternal and child health. But as you can see in the paper, the author just highlighted key studies that focused their inquiry in understanding the economic interaction of maternal and child health which the author is trying to establish in this study. Still, the recommendation is valid so instead of adding all the literature requested, (it seems that the length of the paper will already violate the prescription of this journal). Instead, the author cited all relevant literatures that talk about human capital in general, the link between health and economic growth, the link between maternal health and child health to economic growth and finally the link of maternal and child health to economic growth.</p> <p>4. Plagiarism: The wording was already resolved.</p> |
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| <p><b>Minor</b> REVISION comments</p> | <ol style="list-style-type: none"> <li>1. Author should provide examples of the neglected diseases that have high burdens on productivity. It will be useful to provide such diseases by geographical Regions (e.g. Asia), since diseases differ by region.</li> <li>2. References on the link between maternal and child mortalities and the economies of nations seem is very limited.</li> <li>3. Citation indicated in the manuscript Lines 116-117 needs to be looked at for accuracy.</li> <li>4. The manuscript lacks a discussion section and the results section does not appear to have had any discussion.</li> </ol> | <ol style="list-style-type: none"> <li>1. I acknowledge the recommendation of the reviewer however, I believe that it was clearly stipulated in this study that the purpose of the paper is to estimate the effects of maternal and child health outcomes to GDP per capita. The study is not specific to identifying what are the specific diseases or the interaction of diseases but rather all diseases as this was already studied in other researches[2][3][5][7][8][9][10][11] and were already accounted for when the World Bank produced the data for the different health outcomes. The recommendation is valid but there will be difficulty in gathering data on the recommended table due to lack of available resources or complete reference available or only few to limited data is available and only few countries provide complete information regarding their mortality and morbidity incidence especially in maternal and child health in the information available in the data repository.</li> <li>2. I understand that the reviewer would like to see a concrete theoretical argument regarding the link of the maternal and child mortalities to economic growth. That is why it was clearly mentioned in the introduction that there are only few resources available in published materials that were gathered in relation to identifying the effects of maternal and child health outcomes to GDP per capita.</li> </ol> |
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|  |  | <p>This is one limitation of this study. Some of the resources talks about health as a whole [1] or the interaction of healthcare spending [4][6] which the researcher believe not the focus of this paper. However, the researcher enhanced the theoretical arguments and presented constructs supporting the link between maternal and child health to economic growth as seen in the revised paper to further support the claim maternal and child health outcomes' link to GDP per capita.</p> <p>3. Citation issues were resolved. Please see line 116-117.</p> <p>4. I acknowledge the observation of the reviewer. In the original paper prior to submission in this journal, there was a discussion section. The author reduced the said section to comply with the maximum number of words prescribed by the journal. That is why I am adding the discussion section following the results section.</p> <p>1. Ashraf, Q. H., Lester, A., &amp; Weil, D. N. (2008). When does improving health raise GDP? (No. w14449). National Bureau of Economic Research. Chicago</p> <p>2. Black, R. E., Allen, L. H., Bhutta, Z. A., Caulfield, L. E., De Onis, M., Ezzati, M., ... &amp; Maternal and Child Undernutrition Study Group. (2008). Maternal and child undernutrition: global and regional exposures and health consequences. <i>The</i></p> |
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|  |  | <p><i>lancet</i>, 371(9608), 243-260.</p> <ol style="list-style-type: none"> <li>3. Lozano, R., Wang, H., Foreman, K. J., Rajaratnam, J. K., Naghavi, M., Marcus, J. R., ... &amp; Murray, C. J. (2011). Progress towards Millennium Development Goals 4 and 5 on maternal and child mortality: an updated systematic analysis. <i>The Lancet</i>, 378(9797), 1139-1165.</li> <li>4. McCoskey, S. K., &amp; Selden, T. M. (1998). Health care expenditures and GDP: panel data unit root test results. <i>Journal of health economics</i>, 17(3), 369-376.</li> <li>5. Murray, C. J., &amp; Lopez, A. D. (1997). Alternative projections of mortality and disability by cause 1990-2020: Global Burden of Disease Study. <i>The Lancet</i>, 349(9064), 1498-1504.</li> <li>6. Swift, R. (2011). The relationship between health and GDP in OECD countries in the very long run. <i>Health economics</i>, 20(3), 306-322.</li> <li>7. Hotez, P. J., Bottazzi, M. E., Franco-Paredes, C., Ault, S. K., &amp; Periago, M. R. (2008). The neglected tropical diseases of Latin America and the Caribbean: a review of disease burden and distribution and a roadmap for control and elimination. <i>PLoS Negl Trop Dis</i>, 2(9), e300.</li> <li>8. Hotez, P. J., &amp; Kamath, A. (2009). Neglected tropical diseases in sub-Saharan Africa: review of their prevalence, distribution, and disease burden. <i>PLoS Negl Trop Dis</i>, 3(8), e412.</li> <li>9. Ehrenberg, J. P., &amp; Ault, S. K. (2005).</li> </ol> |
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|                                            |                                                                                                       | <p>Neglected diseases of neglected populations: thinking to reshape the determinants of health in Latin America and the Caribbean. <i>BMC Public Health</i>, 5(1), 119.</p> <p>10. Trouiller, P., Olliaro, P., Torreele, E., Orbinski, J., Laing, R., &amp; Ford, N. (2002). Drug development for neglected diseases: a deficient market and a public-health policy failure. <i>The Lancet</i>, 359(9324), 2188-2194.</p> <p>11. Daumerie, D., &amp; Savioli, L. (2010). <i>Working to overcome the global impact of neglected tropical diseases: first WHO report on neglected tropical diseases</i>(Vol. 1). D. W. T. Crompton, &amp; P. Peters (Eds.). World Health Organization.</p> |
| <b><u>Optional/General</u></b><br>comments | <p>1. It is recommended that a Biostatistician be consulted to review the data and data analysis.</p> | <p>1. The paper is a course project in a Ph.D. in Development Research and Administration degree and the methodologies (including the data) was reviewed and the paper was graded to complete the course requirement by the course professor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                        |