

Review Form 3

Journal Name:	Journal of Advances in Medicine and Medical Research
Manuscript Number:	Ms_JAMMR_120914
Title of the Manuscript:	Insulin Medication Trends in Diabetes Management: A Comprehensive USDDS Database Analysis
Type of the Article	

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>The manuscript analyzes a large dataset (USDDS) over a long period (22 years), providing valuable insights into long-term trends. The study considers factors like age, gender, race, and education, offering a nuanced understanding of how different populations utilize insulin therapy. The discussion section effectively interprets the findings in the context of existing literature and highlights their implications for future practices.</p>	<p>Table 1: Consider adding the category and percentage of patients who were not on any medication throughout the study period.</p>
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The title "Insulin Medication Trends in Diabetes Management: A Comprehensive USDDS Database Analysis" accurately reflects the content of the article .</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>The abstract is comprehensive and well-written. It clearly outlines the background, methodology, results, and conclusion of the study. Here are some minor suggestions for improvement:</p> <ul style="list-style-type: none"> You could consider mentioning the specific time period covered by the study (2000-2022) in the first paragraph of the abstract. In the results section, you could briefly mention the increasing trend in the use of pills only and the fluctuating percentage of patients using both insulin and pills. Overall, the abstract is well within the word limit for most journals. 	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes, the subsections and structure of the manuscript appear appropriate. Possible areas for improvement:</p> <ul style="list-style-type: none"> In the Discussion section, you could strengthen the connection between the findings and future research directions. For example, you could elaborate on specific types of qualitative data that could be collected or socioeconomic factors that could be investigated. You may also want to consider mentioning any policy implications of the findings. 	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>the manuscript you provided is well-written and informative. Here's a breakdown of its strengths and weaknesses based on the STAR method (Strengths, Weaknesses, Applicability, Results):</p> <p>Strengths</p> <ul style="list-style-type: none"> Comprehensiveness: The manuscript analyzes insulin medication trends over 22 years using a national database, providing valuable insights into long-term patterns. Demographic considerations: The study incorporates factors like age, gender, race, and education, offering a nuanced understanding of how different populations utilize insulin therapy. Identification of disparities: The analysis highlights disparities in insulin usage across demographics, stressing the need for targeted interventions. Consideration of evolving practices: The manuscript acknowledges the influence of new medications and treatment guidelines on insulin use. 	

Review Form 3

	<p>Weaknesses</p> <ul style="list-style-type: none"> • Lack of causality exploration: The study doesn't delve into the reasons behind observed trends, limiting the understanding of underlying factors. • Absence of qualitative data: The research would benefit from patient perspectives on insulin therapy preferences and challenges. • Incomplete data: Missing data points for specific demographics in certain years might affect the analysis. 	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> <p>:</p>	<p>The references you provided for the study on Insulin Medication Trends in Diabetes Management are a good starting point and cover some of the key areas. Here's a breakdown of the strengths and some suggestions for additional references:</p> <p>Strengths:</p> <ul style="list-style-type: none"> • Reference 10: Mentions the United States Diabetes Data System (USDDS) as a crucial resource, which aligns with the study's data source. • References 4-6: Provide an overview of the global diabetes burden and its increasing prevalence. • References 7-9: Briefly explain the pathophysiology of diabetes and the role of insulin therapy. 	
<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes, the language/English quality of the article is suitable for scholarly communications.</p>	
<p><u>Optional/General</u> comments</p>	<p>Overall, the writing is clear, professional, and appropriate for an academic audience.</p>	

PART 2:

	Reviewer's comment	Author's comment <i>(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)</i>
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

Reviewer Details:

Name:	Mahmoud Younis
Department, University & Country	Ain Shams University, Egypt