

### Review Form 3

Journal Name:	<a href="#">Current Journal of Applied Science and Technology</a>
Manuscript Number:	Ms_CJAST_128441
Title of the Manuscript:	Seasonal Trends and Epidemiological Characteristics on COVID-19 at a Primary Care Setting: A Descriptive Study.
Type of the Article	

#### **General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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#### **Important Policies Regarding Peer Review**

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#### **PART 1: Comments**

	<b>Reviewer's comment</b>	<b>Author's Feedback</b> <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<b>Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.</b>	The manuscript provides valuable insights into the seasonal trends and epidemiological characteristics of COVID-19 in a primary care setting in Mexico City. Analyzing data from a large sample size (2,847 patients) contributes significantly to understanding the interplay between demographic variables, comorbidities, and the seasonality of COVID-19. Such data is critical for shaping public health policies, optimizing resource allocation, and implementing targeted interventions, especially in primary care settings. The findings also underline the importance of age- and gender-specific strategies in managing the COVID-19 pandemic and future respiratory diseases with seasonal patterns.	
<b>Is the title of the article suitable? (If not please suggest an alternative title)</b>	The title, "Seasonal Trends and Epidemiological Characteristics on COVID-19 at a Primary Care Setting: A Descriptive Study," is informative but could be made more concise and engaging. An alternative title could be: "Seasonal Trends and Epidemiology of COVID-19 in Primary Care: Insights from Mexico City."	
<b>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.</b>	The abstract effectively summarizes the study's aims, methodology, results, and conclusions. However, the following improvements could enhance its clarity and comprehensiveness:  <ul style="list-style-type: none"> <li>- To provide context, specify the total number of individuals assessed in the study population, not just those diagnosed with COVID-19.</li> <li>- Briefly mention key comorbidities and their prevalence among different demographic groups.</li> <li>- Rephrase the conclusion to emphasize actionable insights, such as "These findings underscore the need for age-specific public health policies and enhanced surveillance during seasonal peaks."</li> </ul>	
<b>Is the manuscript scientifically, correct? Please write here.</b>	The manuscript appears to be scientifically accurate, with well-supported findings and appropriate statistical analyses. The use of statistical tests and confidence intervals enhances the robustness of the results. However, further clarity on the inclusion and exclusion criteria for study participants could strengthen the methodology section.	
<b>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</b>	The manuscript provides a comprehensive and relevant reference list, including both recent and foundational studies. However, additional references could be included for a broader perspective:  A review article on global COVID-19 seasonality patterns, such as "D'Amico et al., 2022, COVID-19 seasonality in temperate countries."	

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	Further studies on gender-based differences in COVID-19 outcomes, e.g., "Klein et al., Biological sex impacts COVID-19 outcomes, PLoS Pathogens, 2020."	
<b>Is the language/English quality of the article suitable for scholarly communications?</b>	<p>The manuscript's language is generally suitable for scholarly communication, but minor revisions are needed to improve clarity and readability:</p> <ul style="list-style-type: none"> <li>- Simplify complex sentences, particularly in the introduction and discussion sections.</li> <li>- Ensure consistent use of terms (e.g., "comorbidities" vs. "coexisting conditions").</li> <li>- Review grammatical structures for smoother flow, especially in sections detailing statistical findings.</li> </ul>	
<b>Optional/General</b> comments	<p>This manuscript represents a valuable contribution to the literature on COVID-19 epidemiology and public health strategies in primary care settings. Addressing the suggested revisions will further enhance its impact and clarity.</p> <p>The manuscript declares adherence to ethical guidelines, including compliance with the Declaration of Helsinki and approval from two ethics committees. Additionally, it mentions that informed consent was obtained from all participants, ensuring that ethical research standards were upheld. However, there are areas for clarification or improvement:</p> <ol style="list-style-type: none"> <li>1. Informed Consent Details: While the study mentions informed consent, it does not explicitly describe how consent was obtained retrospectively for patients whose data were analyzed. More transparency about this process is needed to confirm ethical compliance.</li> <li>2. Data Confidentiality: The manuscript states that data were treated confidentially but does not detail the specific measures (e.g., anonymization techniques or secure data storage methods) taken to protect patient information.</li> </ol>	

**PART 2:**

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

**Reviewer Details:**

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