The study titled “Epidemiological changes of scarlet fever before, during, and after the COVID-19 pandemic in Chongqing, China: An 18-years surveillance and prediction study” tries to examine scarlet fever cases in Chongqing from 2005 to 2022 in order to analyze their epidemiological variations before and during the pandemic as well as to predict the incidence of the illness in the next two years, after the end of the dynamic zero-COVID-19 strategy. The subject matter is highly significant, and the presented data holds the potential for gaining insights into scarlet fever dynamics within China. While the paper is generally well-crafted and engaging, some aspects require further clarification. These include:

1. Scarlet fever needs to be defined by specifying whether the study encompasses suspected cases, epidemiological cases, or laboratory-confirmed cases. Maintain consistency in terminology throughout the methods section.
2. Address issues such as capitalization errors, proper italicization for species names, and incomplete referencing (including volume and pages).
3. Enhance the clarity of the data collection and analysis processes to bolster the conclusions' strength.
4. Please explain clearly the dependent and independent variables. Explain the category of variables.
5. Explain more about the two-proportion Z-test and its application.
6. Please explain more about reaching the values of parameters in the ARIMA model. Any model evaluation test?
7. Please explain which software has done which analysis. As you use several software.
8. “The incidence increased by 106.54% in the post-upsurge period (2015–2019) and by 39.33% during the dynamic zero-COVID-19 period (2020–2022), compared to that in the pre-upsurge period (2005–2014)” Please explain how do you measure P-value.
9. I will suggest improving the methodology and results to make this manuscript published. It seems that you used so many variables in the results but a little explained about their details in the methods.
10. Please apply the SARIMA model to analysis and prepare methods.
11. Please show model evaluation R2, AIC/AICc/BIC, MAE, ROC, etc.
12. Please show the parameters selection analysis for the SARIMA model.
13. Please concise discussion.

You can use those in the discussion:

<https://www.sciencedirect.com/science/article/pii/S2666016423001159>

<https://www.sciencedirect.com/science/article/pii/S2772707623000115>

<https://www.medrxiv.org/content/10.1101/2023.07.16.23292380v1>

<https://pubmed.ncbi.nlm.nih.gov/36721772/>

These suggestions aim to enhance the study's coherence, precision, and informative value, ensuring it provides valuable insights.