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## BLOOD GLUCOSE TO PROGNOSIS OF COVID-19: THE SYSTEMATIC REVIEW

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## **ABSTRACT**

**Background:** Many studies have shown an association between high blood sugar levels, mortality and disease severity in COVID-19 patients.

Objective and Methods: This systematic review and meta-analysis sought data from Cochrane, PubMed, Googlescholar, and other journal databases. We searched for the keywords "blood glucose" and "COVID-19 prognosis". The inclusion criteria of the research to be included are research that examines the prognosis of COVID-19 based on glucose levels, research subjects are adults (not animal studies), and use primary data. The purpose of this study was to see the relationship between blood glucose levels and the prognosis of COVID-19.

**Result:** All the studies found showed a close relationship between blood sugar levels and the severity and risk of death of patients with COVID-19.

**Conclusion:** A bidirectional relationship between chronic inflammation and hyperglycemia has been described for both diabetic and nondiabetic chronic complications.

KEYWORDS: COVID-19, Hyperglycemia, Mortality

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