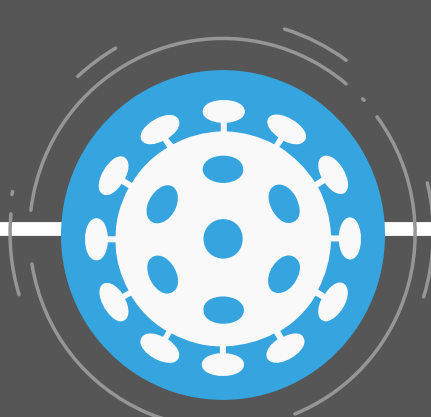


A study on behalf of the Canadian COVID-19 Emergency Department Registry Rapid Response Network (CCEDRRN)



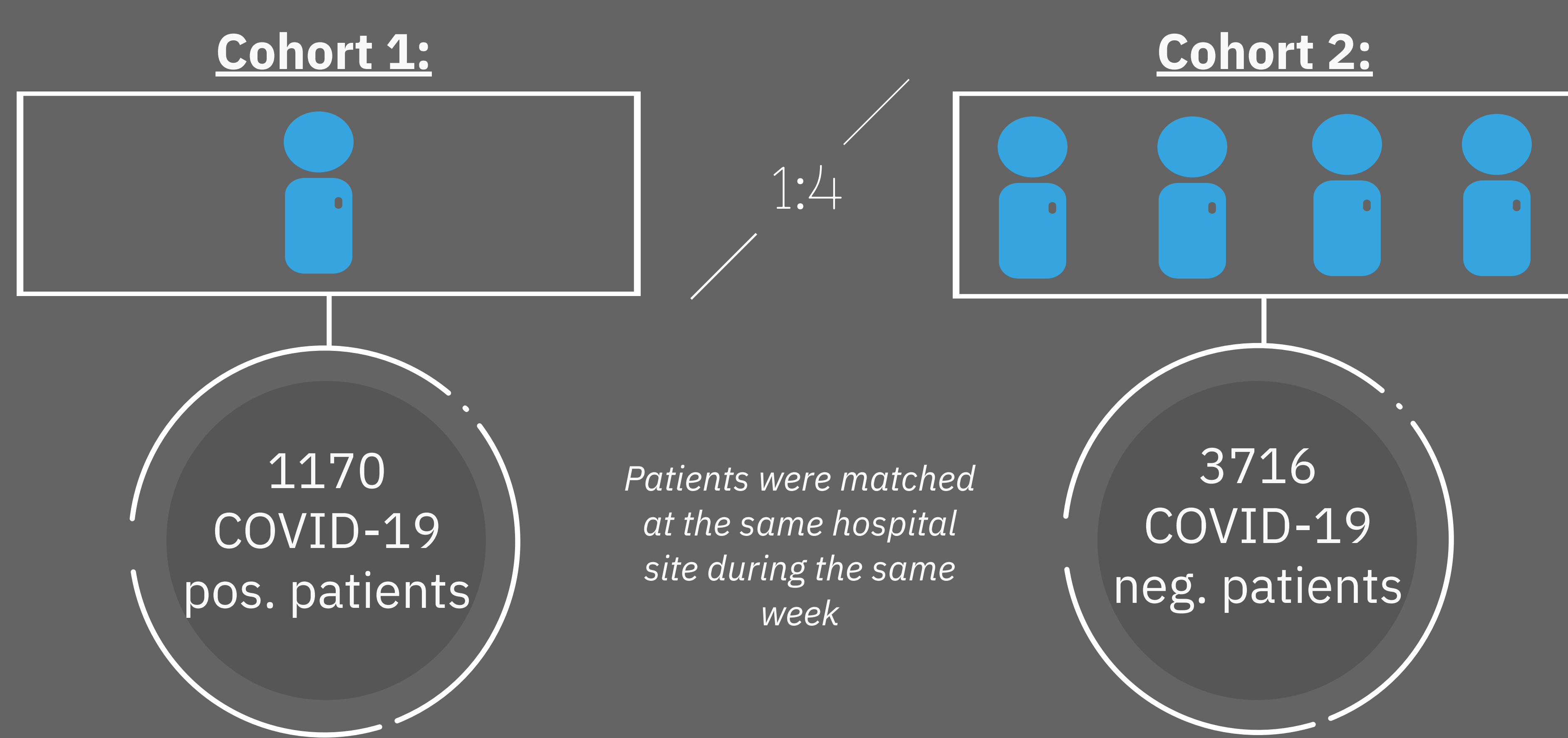
# Patient-reported Health Outcomes of SARS-CoV-2 Tested Patients Presenting to Emergency Departments: A Propensity-score Matched Prospective Cohort Study

R Bola et al., *Public Health* 215:1-11

- SARS-CoV-2 has infected millions of people worldwide, often resulting in long-term health consequences.
- The health outcomes of COVID-19 survivors are not well characterized.
- Few studies looked at well-matched comparison patients. This study used patients with similar symptoms but who tested negative for SARS-CoV-2 as a control group.
- Few studies account for sociocultural characteristics (race, income, education)

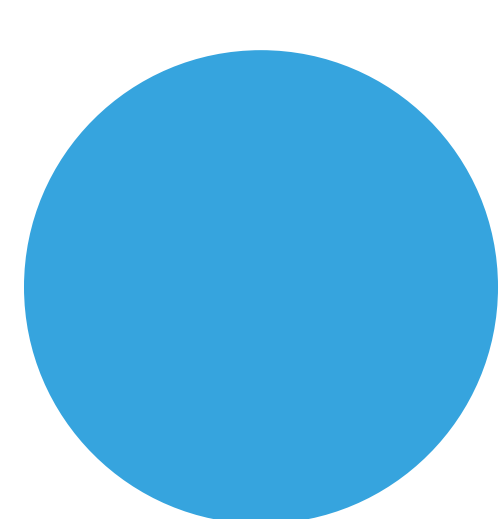


## STUDY POPULATION



### OBJECTIVE

This study measured the physical and psychological quality of life outcomes in a cohort of patients who presented to Canadian ED and were tested for SARS-CoV-2



## RESULTS

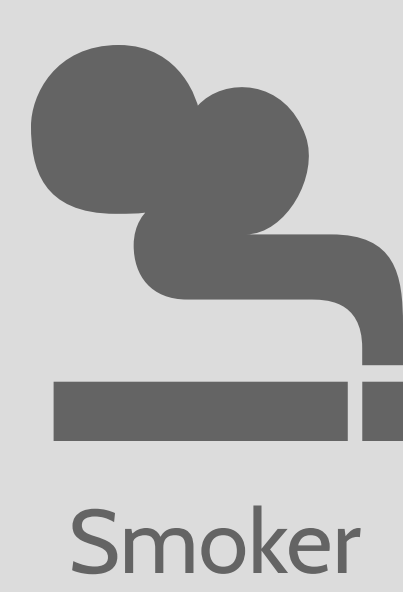


Physical health scores were **similar:**  
(Adjusted effect of +0.51, 95%CI -0.36,1.36)

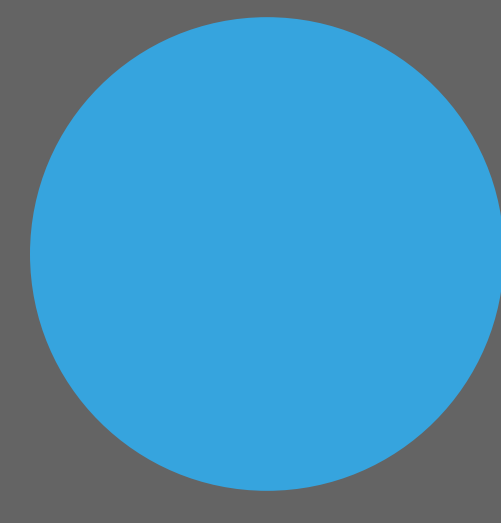
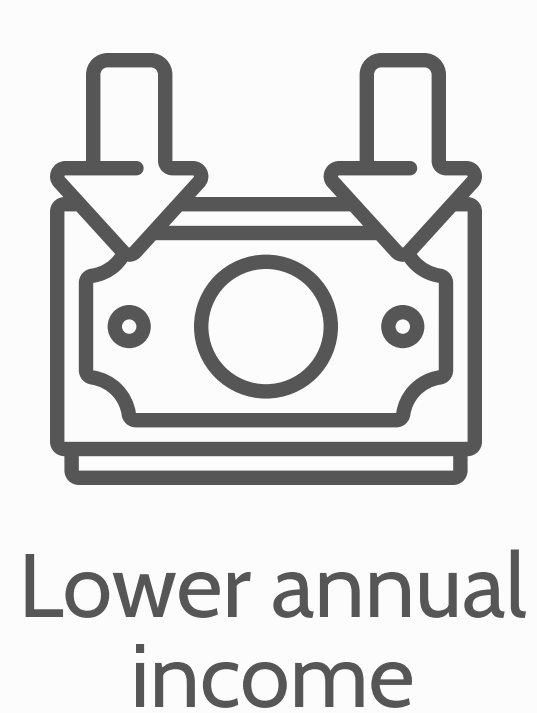


Psychological health scores were **less if SARS-CoV-2 negative:**  
(adjusted effect of -1.01, 95%CI -1.91,-0.11)

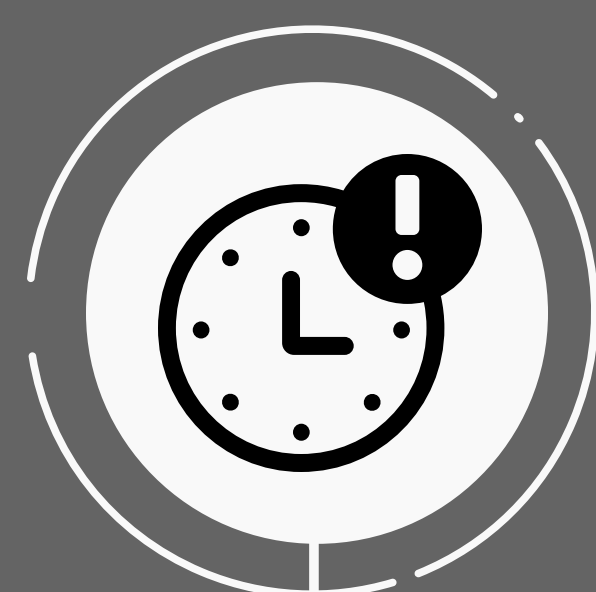
### Factors associated with lower self-reported physical health scores



### Factors associated with lower self-reported psychological health scores



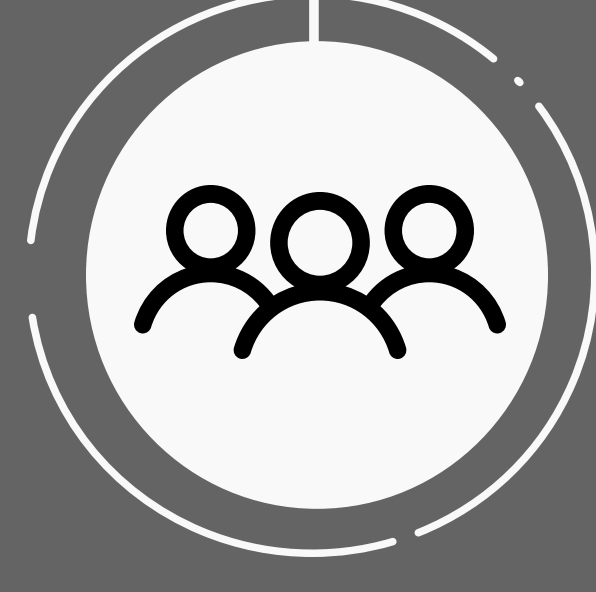
## KEY POINTS



**CONCLUSION 1:** Patients who were SARS-CoV-2 positive and negative had similar long-term physical health scores. This may be explained by barriers to care access in the early pandemic waves. Negative patients may have suffered from challenges related to delayed care seeking.



**CONCLUSION 2:** Poor self-reported psychological health outcomes among COVID-19 patients strengthens the need for targeted psychological health services for COVID-19 survivors.



**CONCLUSION 3:** The social and demographic characteristics of COVID-19 patients plays a crucial and multifaceted role in the development of physical and psychological health consequences.

Bola R, Sutherland JM, Murphy R et al., Patient-reported Health Outcomes of SARS-CoV-2 Tested Patients Presenting to Emergency Departments: A Propensity-score Matched Prospective Cohort Study. *Public Health* (2022). <https://doi.org/10.1016/j.puhe.2022.11.016>.