

SARS-CoV-2 cardiac involvement low in collegiate athletes

20 April 2021



athletes. Abnormal findings indicative of SARS-CoV-2 cardiac involvement were identified by ECG, cardiac troponin, and TTE in 0.7, 0.9, and 0.9 percent, respectively. In 21 athletes (0.7 percent), definite, probable, or possible SARS-CoV-2 involvement was identified; of these athletes, 0.5 percent underwent clinically indicated CMR and 3.0 percent underwent primary screening CMR (15 and six, respectively). Compared with a primary screening CMR, the diagnostic yield of CMR for SARS-CoV-2 involvement was 4.2 times higher for a clinically indicated CMR (12.6 versus 3.0 percent).

"Most athletes with no symptoms or mild illness from SARS-CoV-2 can return to sports safely without additional cardiac testing as long as they feel good on return to exercise and don't have cardiopulmonary symptoms like [chest pain](#)," a coauthor said in a statement.

(HealthDay)—For U.S. collegiate athletes, severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infection is associated with a low prevalence of cardiac involvement, according to a study published online April 17 in *Circulation*.

Nathaniel Moulson, M.D., from Massachusetts General Hospital in Boston, and colleagues conducted a prospective, multicenter, observational cohort study to examine the prevalence, clinical characteristics, and outcomes of SARS-CoV-2 cardiac involvement among U.S. [collegiate athletes](#) from Sept. 1 to Dec. 31, 2020.

The researchers found that 3,018 of the 19,378 athletes tested positive for SARS-CoV-2 and underwent cardiac evaluation. Overall, 2,820 athletes underwent at least one element of cardiac triad testing (12-lead electrocardiography [ECG], troponin, and/or transthoracic echocardiography [TTE]); if clinically indicated, this testing was followed by [cardiac magnetic resonance](#) (CMR). Primary screening CMR was conducted in 198

One author disclosed financial ties to the [pharmaceutical industry](#).

More information: [Abstract/Full Text](#) ([subscription or payment may be required](#))

Copyright © 2021 [HealthDay](#). All rights reserved.

APA citation: SARS-CoV-2 cardiac involvement low in collegiate athletes (2021, April 20) retrieved 6 October 2022 from <https://medicalxpress.com/news/2021-04-sars-cov-cardiac-involvement-collegiate-athletes.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.