

Yes, evidence suggests that concussions in male and female athletes are not the same!

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Compared to male athletes, female athletes often exhibit:

- number of symptoms
- symptom severity
- recovery time



Return to Play

may take longer for female athletes after a concussion



>> PRELIMINARY EVIDENCE SUGGESTS THAT SEX-RELATED DIFFERENCES MAY BE DUE TO:



Biomechanics

Biomechanical differences (e.g., in the head neck-segment) may contribute to female athletes' increased risk of injury



Brain anatomy

Differences in brain anatomy (e.g., axon size) may contribute to female athletes' increased risk of injury



Hormone levels

Hormonal differences between male and female athletes may impact concussion recovery



It is important to understand how individual differences (like biological sex) may influence concussion risk and recovery and to adapt training and management programs as needed.



Girls and women may be more likely to report a concussion than boys and men, but concussion reporting in both groups remains low. Challenging "play through the pain" and "win at all cost" attitudes may encourage more athletes to report a suspected concussion.



<u>DID YOU KNOW?</u>

Canadian female high school rugby players had a

70%

higher concussion rate than males (Shill et al., 2024).

For more information visit sirc.ca/concussion

