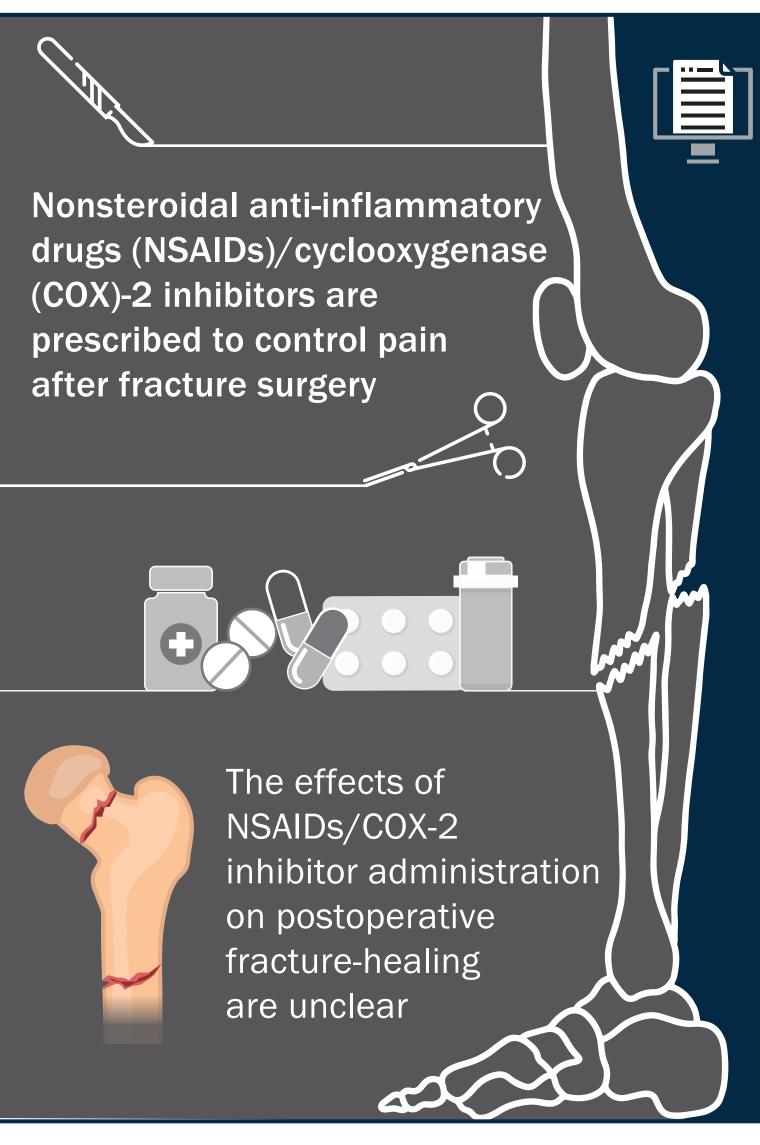
## Effects of Nonsteroidal Anti-Inflammatory and COX-2 Inhibitor Drugs on Post-Surgery Fracture Nonunion and Delayed Union



Postoperative propensity score matching study of patients who underwent fracture surgery between 1998 and 2018, based on the common data model database

NSAID/COX-2 inhibitor users (n = 3,264)

Nonusers (n = 3,264)

Outcomes measured



Primary

Nonunion/ delayed union



Secondary

Reoperation for nonunion/delayed union



Kaplan-Meier survival analysis

NSAIDs/COX-2 inhibitor use

VS.

Non-use



NSAIDs/COX-2 inhibitor prescription after fracture surgery was not associated with an increased risk of nonunion





Long-term (>3 weeks) use of NSAIDs was associated with higher nonunion/delayed union rates

Long-term (>3 weeks) use of NSAIDs/COX-2 inhibitors may be associated with higher rates of nonunion/delayed union following fracture surgery

Do Nonsteroidal Anti-Inflammatory or COX-2 Inhibitor Drugs Increase the Nonunion or Delayed Union Rates After Fracture Surgery? A Propensity-Score-Matched Study

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