

# Longer duration of post-op opioid use associated with misuse

19 January 2018



rate of misuse (44.0 and 19.9 percent increase in hazard, respectively).

"The analysis quantifies the association of prescribing choices on [opioid misuse](#) and identifies levers for possible impact," the authors write.

**More information:** [Abstract/Full Text](#)

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(HealthDay)—Each refill and week of opioid prescription following surgery is associated with an increasing risk of opioid misuse among opioid naive patients, according to a study published online Jan. 17 in *The BMJ*.

Gabriel A Brat, M.D., from the Beth Israel Deaconess Medical Center in Boston, and colleagues used surgical claims from a linked medical and pharmacy administrative database to identify 37,651,619 commercially insured patients (2008 to 2016), including 1,015,116 [opioid](#) naive patients undergoing surgery. Refills, total dosage, and duration of use of opioids after surgery were assessed.

The researchers found more than half of patients (56.0 percent) received postoperative opioids. A code for abuse was identified in less than 1 percent of patients (0.6 percent). The strongest predictor of misuse was total duration of opioid use, with each refill and additional week of opioid use associated with an adjusted increase in the

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