

# Medication to treat high blood pressure associated with fall injuries in elderly

February 24 2014

---

Medication to treat high blood pressure (BP) in older patients appears to be associated with an increased risk for serious injury from falling such as a hip fracture or head injury, especially in older patients who have been injured in previous falls.

Most people older than 70 years have [high blood pressure](#), and [blood pressure control](#) is key to reducing risk for myocardial infarction (MI, heart attack) and stroke. Previous research has suggested that [blood pressure](#) medications may increase risk of falls and fall injuries.

Researchers examined the association between BP medication use and experiencing a serious injury from a fall in 4,961 patients older than 70 years with hypertension. Among the patients, 14.1 percent took no antihypertensive medications, 54.6 percent had moderate exposure to BP medications and 31.3 percent had high exposure.

During a three-year follow-up, 446 patients (9 percent) experienced serious injuries from falls. The risk for serious injuries from falls was higher for patients who used antihypertensive medication than for nonusers and even higher for patients who had had a previous fall injury.

"Although cause and effect cannot be established in this observational study and we cannot exclude confounding, antihypertensive medications seemed to be associated with an increased risk of serious fall injury compared with no antihypertensive use in this nationally representative cohort of [older adults](#), particularly among participants with a previous

fall injury. The potential harms vs. benefits of antihypertensive medications should be weighed in deciding whether to continue antihypertensives in older adults with multiple chronic conditions."

**More information:** *JAMA Intern Med.* Published online February 24, 2014. [DOI: 10.1001/jamainternmed.2013.14764](https://doi.org/10.1001/jamainternmed.2013.14764)

Provided by The JAMA Network Journals

Citation: Medication to treat high blood pressure associated with fall injuries in elderly (2014, February 24) retrieved 8 May 2024 from <https://medicalxpress.com/news/2014-02-medication-high-blood-pressure-fall.html>

<p>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.</p>
--