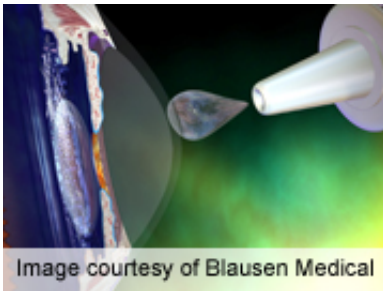


# Sizable proportion of patients nonadherent to glaucoma meds

July 16 2014

---



(HealthDay)—A considerable proportion of patients are nonadherent to glaucoma medication, but a telecommunication intervention can improve adherence, according to two studies published in the July issue of *JAMA Ophthalmology*.

Michael V. Boland, M.D., Ph.D., from the Wilmer Eye Institute at the John Hopkins University School of Medicine in Baltimore, and colleagues conducted a [prospective cohort study](#) to examine adherence with once-daily glaucoma medication using an electronic monitor. Of the 407 patients who successfully completed a three-month adherence assessment, the researchers found that 82.8 percent were deemed adherent and took their medication correctly on at least 75 percent of days. The 70 nonadherent participants were slightly younger, were more likely to be of African descent, took medications for a shorter time, had

a lower level of educational attainment, and had worse mental status and depression scale scores, compared with the adherent group.

In a second study, Boland and colleagues examined whether an automated telecommunication-based intervention could improve [glaucoma medication](#) adherence. Seventy nonadherent participants were randomized to intervention (38 patients) and control groups. Patients in the [intervention group](#) received daily text or voice messages reminding them to take their medication. The researchers found that the median adherence rate increased from 53 to 64 percent in the [intervention](#) group (P

"Automated telecommunication-based reminders linked to data in a personal health record improved [adherence](#) with once-daily glaucoma medications," Boland and colleagues write in the second study.

Both studies were supported by a grant from the Microsoft Be Well Fund.

**More information:** [Abstract 1](#)

[Full Text \(subscription or payment may be required\)](#)

[Abstract 2](#)

[Full Text \(subscription or payment may be required\)](#)

Copyright © 2014 [HealthDay](#). All rights reserved.

Citation: Sizable proportion of patients nonadherent to glaucoma meds (2014, July 16) retrieved 27 April 2024 from

<https://medicalxpress.com/news/2014-07-sizable-proportion-patients-nonadherent-glaucoma.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.
---