

Virtual reality improves game-based navigational efficiency

August 5 2020



Credit: CC0 Public Domain

Individuals playing a virtual reality (VR)-based game showed a higher navigational efficiency and less disorientation than those playing a non-VR immersive desktop version, according to a study in the peer-

reviewed journal *Cyberpsychology, Behavior, and Social Networking*.
Click here to read the article now.

Navigation in VR can be overwhelming for its users.

"Participants in the VR condition performed better on spatial-based knowledge questions," said Egon van den Broek, Ph.D., Utrecht University, The Netherlands, and coauthors.

"An interesting use of VR, in addition to education and training, is its use to rehabilitate decreases occurring in navigational abilities and [spatial memory](#) in older individuals," says Editor-in-Chief Brenda K. Wiederhold, Ph.D., MBA, BCB, BCN, Interactive Media Institute, San Diego, California and Virtual Reality Medical Institute, Brussels, Belgium.

More information: Chris Ferguson et al, Virtual Reality Aids Game Navigation: Evidence from the Hypertext Lostness Measure, *Cyberpsychology, Behavior, and Social Networking* (2020). [DOI: 10.1089/cyber.2019.0435](https://doi.org/10.1089/cyber.2019.0435)

Provided by Mary Ann Liebert, Inc

Citation: Virtual reality improves game-based navigational efficiency (2020, August 5) retrieved 26 December 2023 from <https://medicalxpress.com/news/2020-08-virtual-reality-game-based-efficiency.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>
--