

Study examines how high altitude affects memory

20 March 2019

Provided by Wiley



Credit: CC0 Public Domain

Oxygen is essential for maintaining normal human brain function, and living at high altitudes can lead to deficits in cognition such as attention and memory.

A new *Brain and Behavior* study investigated the potential mechanisms of this effect and the impact of high altitude exposure on aspects of short-term memory.

The study identified certain effects of high altitude exposure on spatial memory (the part of memory responsible for recording information about one's environment and spatial orientation) and verbal memory (the ability to remember something and to perform an activity using this [memory](#)).

More information: Hailin Ma et al, Long-term exposure to high altitude attenuates verbal and spatial working memory: Evidence from an event-related potential study, *Brain and Behavior* (2019). [DOI: 10.1002/brb3.1256](https://doi.org/10.1002/brb3.1256)

APA citation: Study examines how high altitude affects memory (2019, March 20) retrieved 11 October 2022 from <https://medicalxpress.com/news/2019-03-high-altitude-affects-memory.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.