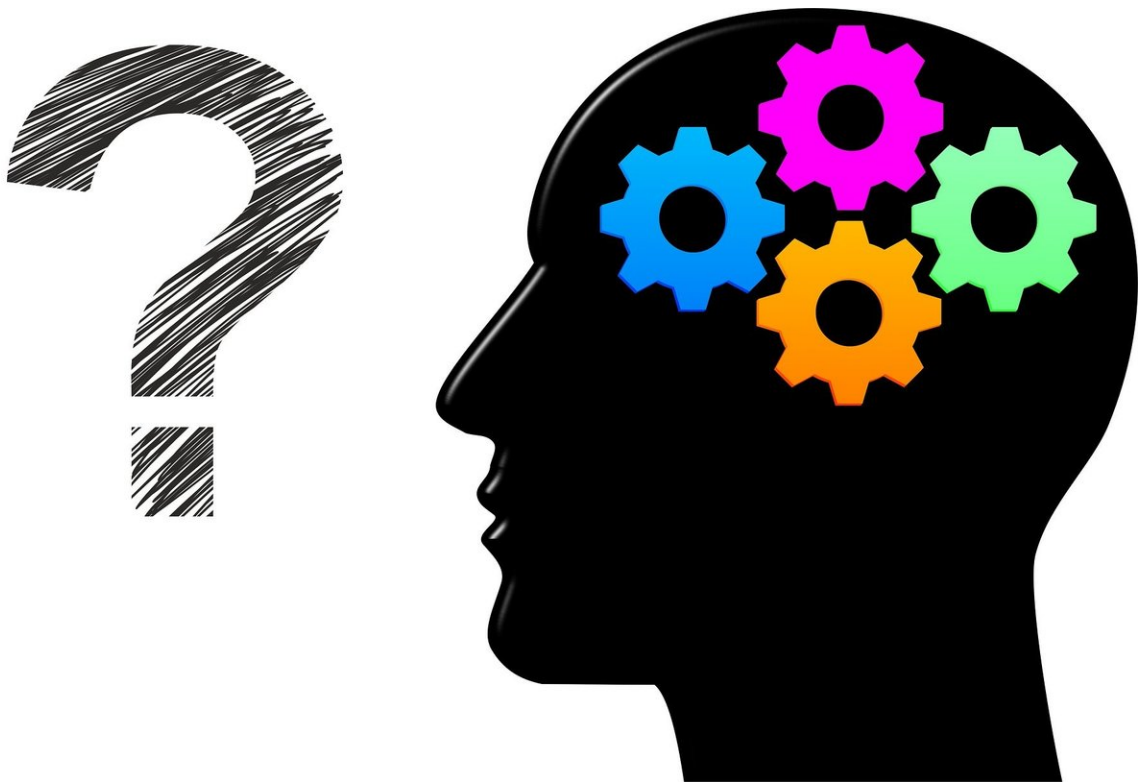


# Researchers find sense of purpose associated with better memory

October 6 2021, by Bill Wellock

---



Credit: CC0 Public Domain

Add an improved memory to the list of the many benefits that accompany having a sense of purpose in life.

A new study led by Florida State University researchers showed a link

between an individual's sense of purpose and their ability to recall vivid details. The researchers found that while both a sense of purpose and cognitive function made memories easier to recall, only a sense of purpose bestowed the benefits of vividness and coherence.

The study, which focused on memories related to the COVID-19 pandemic, was published in the journal *Memory*.

"Personal memories serve really important functions in everyday life," said Angelina Sutin, a professor in the College of Medicine and the paper's lead author. "They help us to set goals, control emotions and build intimacy with others. We also know people with a greater sense of purpose perform better on objective memory tests, like remembering a list of words. We were interested in whether purpose was also associated with the quality of memories of important personal experiences because such qualities may be one reason why purpose is associated with better mental and [physical health](#)."

Nearly 800 study participants reported on their sense of purpose and completed tasks that measured their cognitive processing speed in January and February 2020, before the ongoing coronavirus pandemic took hold in the U.S. Researchers then measured participants' ability to retrieve and describe personal memories about the pandemic in July 2020, several months into the public health crisis.

Participants with a stronger sense of purpose in life reported that their memories were more accessible, coherent and vivid than participants with less purpose. Those with a higher sense of purpose also reported many sensory details, spoke about their memories more from a [first-person perspective](#) and reported more positive feeling and less negative feeling when asked to retrieve a memory.

The researchers also found that [depressive symptoms](#) had little effect on

the ability to recall vivid details in memories, suggesting that the connection between life purpose and [memory recall](#) is not due to the fewer depressive symptoms among individuals higher in purpose.

Purpose in life has been consistently associated with better episodic memory, such as the number of words retrieved correctly on a memory task. This latest research expands on those connections to memory by showing a correlation between purpose and the richness of personal memory.

"We chose to measure the ability to recall memories associated with the COVID-19 pandemic because the pandemic is an event that touched everyone, but there has been a wide range of experiences and reactions to it that should be apparent in memories," said co-author Martina Luchetti, an assistant professor in the College of Medicine.

Along with the association with better memory, previous research has found other numerous benefits connected with having a sense of purpose, from a lower risk of death to better physical and [mental health](#).

"Memories help people to sustain their well-being, social connections and cognitive health," said co-author Antonio Terracciano, a professor in the College of Medicine. "This research gives us more insight into the connections between a sense of purpose and the richness of [personal memories](#). The vividness of those memories and how they fit into a coherent narrative may be one pathway through which purpose leads to these better outcomes."

**More information:** Angelina R. Sutin et al, Sense of purpose in life, cognitive function, and the phenomenology of autobiographical memory, *Memory* (2021). [doi.org/10.1080/09658211.2021.1966472](https://doi.org/10.1080/09658211.2021.1966472)

Provided by Florida State University

Citation: Researchers find sense of purpose associated with better memory (2021, October 6)  
retrieved 1 May 2024 from <https://medicalxpress.com/news/2021-10-purpose-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.