

# Poor diet linked to teen mental health problems

September 23 2011, By Sunanda Creagh

---



Improving diet can improve mental health outcomes, the study found. Credit: Flickr/PinkStock Photos!

Adolescents who eat unhealthily are more likely to develop mental health problems than those with good diets, a new study has found.

However, switching to a better diet could improve [mental health](#), according to the Deakin University study, which was [published](#) today in the journal [PLoS One](#).

The researchers analyzed the diets and mental health of 3040 Australian teens aged between aged 11 and 18 years in 2005 and 2006 and then again two years later. They found that even after accounting for factors such as socio-economic status, smoking and weight, those with better diets tended to have better mental health after two years, while things

deteriorated for those with poor diets.

“This is suggesting that for kids who aren’t getting enough nutrient-rich food, it’s predisposing them to mental health problems,” said lead researcher Dr. Felice Jacka from Deakin University’s Barwon Psychiatric Research Unit.

“This is the first study world wide to suggest the relationship is causal.”

The researchers also examined whether depression or other mental health problems were causing teens to make bad diet choices, but found that this was not the case.

“We looked the other way to see if mental health predicted diet and didn’t find any evidence at all,” said Dr. Jacka. “The relationship only goes one way.”

The study also found that for teens suffering [mental health problems](#), changing to a healthier diet improved their state of mind.

Dr. Jacka said public health messages should include information about the role healthy eating plays in mental well-being.

“So much of the discussion around poor dietary practices, the food industry and marketing to children is very much focused on the obesity epidemic. That’s important but we need to be expanding our discussion about the impact of poor eating practices to encompass mental health as well,” she said.

Dr. Jacka said the government should use its legislative powers to restrict access to and advertising of nutrient-poor processed foods.

Dr. Tim Crowe, Associate Professor in Nutrition at Deakin University’s

School of Exercise and Nutrition Sciences said very little research had been done examining possible links between diet and mental health.

“We know a healthy diet affects our physical performance but as far as diet and mental illness goes, we don’t know that much. One of the few areas that has been researched is Omega 3 fish oils and there’s some reasonable evidence to show that this can play a part in brain function,” said Dr. Crowe, who was not involved in Dr. Jacka’s study.

“What [this study] shows is that the key concept of having a healthy diet is not only good for us physically and in preventing a range of diseases, it’s good for our brain as well,” he said.

“We know our brain needs a lot of nutrients to run and function and well. You are not going to get as many of those nutrients from a very nutrient-poor [diet](#).”

---

*This story is published courtesy of the [The Conversation](#) (under Creative Commons-Attribution/No derivatives).*

Source: The Conversation

Citation: Poor diet linked to teen mental health problems (2011, September 23) retrieved 4 May 2024 from <https://medicalxpress.com/news/2011-09-poor-diet-linked-teen-mental.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>
--