

# **Can you really be addicted to food?**

## **Researchers are uncovering convincing similarities to drug addiction**

Claire Wilcox, Adjunct Faculty in Psychiatry, University of New Mexico

### **What evidence is there that food is addictive?**

Many studies over the past 25 years have shown that high-sugar and other highly pleasurable foods – often foods that are ultraprocessed – act on these brain networks in ways that are similar to other addictive substances. The resulting changes in the brain fuel further craving for and overuse of the substance – in this case, highly rewarding food.

Clinical studies have demonstrated that people with an addictive relationship to food demonstrate the hallmark signs of a substance use disorder.

Studies also indicate that for some people, cravings for highly palatable foods go well beyond just a normal hankering for a snack and are, in fact, signs of addictive behavior. One study found that cues associated with highly pleasurable foods activate the reward centers in the brain, and the degree of activation predicts weight gain. In other words, the more power the food cue has to capture a person's attention, the more likely they are to succumb to cravings for it.

Multiple studies have also found that suddenly ending a diet that's high in sugar can cause withdrawal, similar to when people quit opioids or nicotine.

Excessive exposure to high-sugar foods has also been found to reduce cognitive function and cause damage to the prefrontal cortex and hippocampus, the parts of the brain that mediate executive control and memory.

In another study, when obese people were exposed to food and told to resist their craving for it by ignoring it or thinking about something else, their prefrontal cortices were more active compared with nonobese individuals. This indicates that it was more difficult for the obese group to fight their cravings.



Researchers are still working out the best methods to help patients with food addictions develop a healthy relationship with food.

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## **Finding safe treatments for patients struggling with food**

Addiction recovery is often centered on the idea that the fastest way to get well is to abstain from the problem substance. But unlike nicotine or narcotics, food is something that all people need to survive, so quitting cold turkey isn't an option.

In addition, eating disorders such as bulimia nervosa and binge-eating disorder often occur alongside addictive eating. Most psychologists and psychiatrists believe these illnesses have their root cause in excessive dietary restriction.

For this reason, many eating disorder treatment professionals balk at the idea of labeling some foods as addictive. They are concerned that encouraging abstinence from particular foods could trigger binge eating and extreme dieting to compensate.

## A way forward

But others argue that, with care, integrating food addiction approaches into eating disorders treatment is feasible and could be lifesaving for some.

The emerging consensus around this link is moving researchers and those who treat eating disorders to consider food addiction in their treatment models.

One such approach might look like the one described to me by addiction psychiatrist and eating disorders specialist Dr. Kim Dennis. In line with traditional eating disorder treatment, nutritionists at her residential clinic strongly discourage their patients from restricting calories. At the same time, in line with traditional addiction treatment, they help their patients to consider significantly reducing or completely abstaining from particular foods to which they have developed an addictive relationship.

Additional clinical studies are already being carried out. But going forward, more studies are needed to help clinicians find the most effective treatments for people with an addictive relationship with food.

Efforts are underway by groups of psychologists, psychiatrists, neuroscientists and mental health providers to get “ultraprocessed food use disorder,” also known as food addiction, into future editions of diagnostic manuals such as the Diagnostic and Statistical Manual of Mental Disorders and the World Health Organization’s International Classification of Diseases.

Beyond acknowledging what those treating food addiction are already seeing in the field, this would help researchers get funding for additional studies of treating food addiction. With more information about what treatments will work best for whom, those who have these problems will no longer have to suffer in silence, and providers will be better equipped to help them.

*I have two books for sale which address food addiction, and I could benefit financially from increased interest in the food addiction topic: Wilcox C.E. Food Addiction Obesity and Disorders of Overeating: An Evidenced Based Assessment and Clinical Guide. (2021) Springer Wilcox C. Rewire Your Food-Addicted Brain: Fight Cravings and Break Free from a High-Sugar Ultra-Processed Diet. (2025) New Harbinger Publications*

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