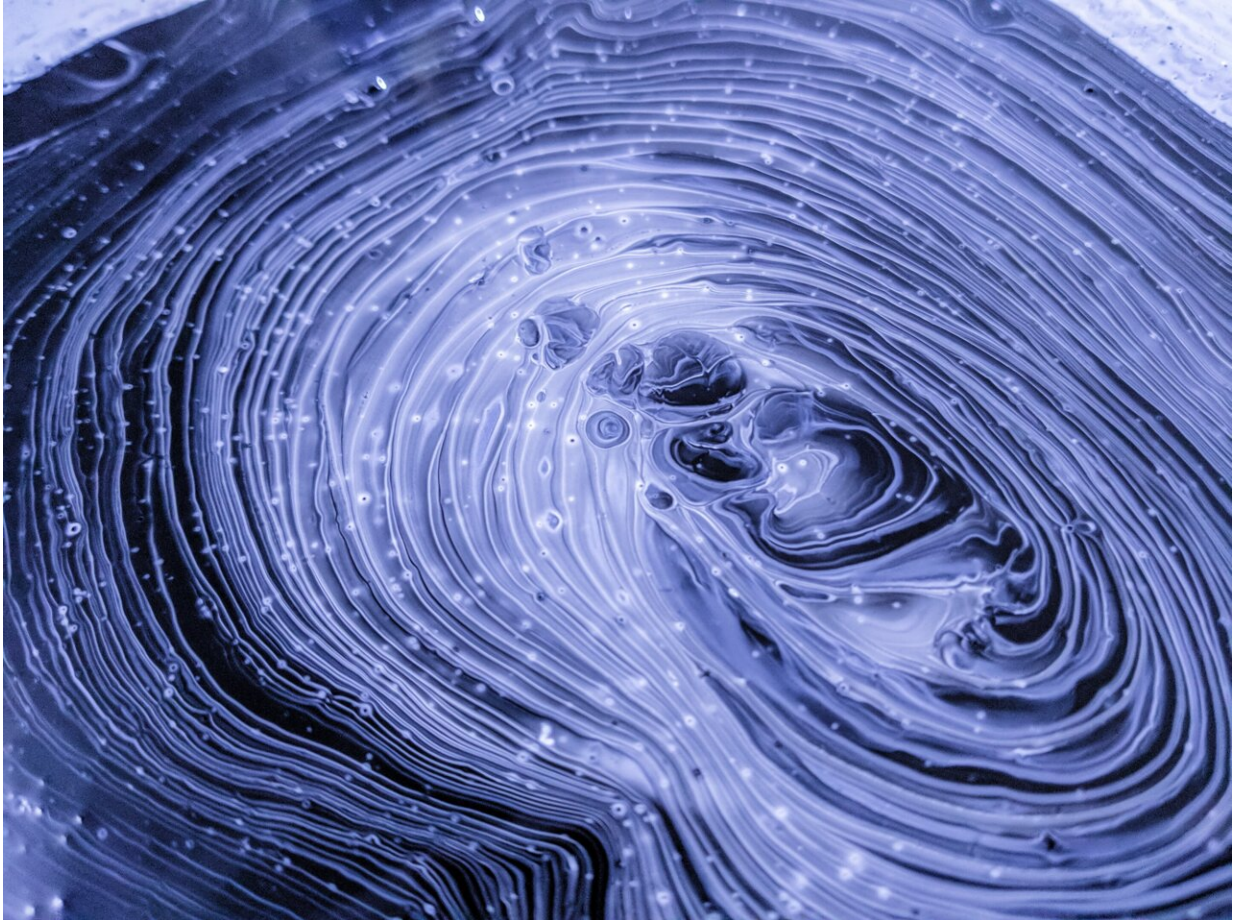


Anorexia fueled by pride about weight loss

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Positive emotions – even those viewed through a distorted lens – may play an exacerbating role in fueling eating disorders like anorexia nervosa, which has a death rate 12 times higher for females between the

ages of 15 and 24 than all other causes of death combined, according to a Rutgers study.

In research published in *Clinical Psychological Science*, Edward Selby, an assistant professor in the Department of Psychology, School of Arts and Sciences, measured over a two week period the [emotional states](#) of 118 [women](#) between the ages of 18-58 being treated for [anorexia nervosa](#). Selby found that those in the study not only suffered from [negative emotions](#) but also felt emotionally positive, having a sense of pride over being able to maintain and exceed their [weight-loss](#) goals.

"What we think happens is that [positive emotions](#) become exaggerated and are rewarding these maladaptive behaviors," said Selby. "Since only about one-third of women recover after treatment, what we need to do is gain a better understanding of why these positive emotions become so strongly associated with weight loss rather than with a healthy association such as family, school or relationships."

Previous research into eating disorders has focused mainly on how negative emotions, like being sad, angry, or having a lack of control contribute to [anorexia](#), an emotional disorder characterized by an obsessive desire to lose weight by refusing to eat. "Up until now," Selby said, "there has been little analysis of empirical data that could help gain insight into how positive emotions are distorted by those suffering with the illness."

In this study, Selby and his colleagues found that the women in the study who had the most difficulty understanding how to recognize when positive emotions were becoming skewed, engaged in more frequent anorexia-type behaviors like vomiting, laxative use, restricting calories, excessive exercise, checking body fat and constant weight checks.

"Women with anorexia are often in complex emotional places, that is

why it is important to understand all we can about what they are getting out of this experience," said Selby. "The more we know not only about the negative emotions, but also the positive emotions connected to this disease, the more likely we will be to treat this devastating illness."

Much of the positive reinforcement that may lead women with anorexia to feel good about their situation could be coming from "Pro-Anorexic" websites, where it is not unusual for individuals suffering with anorexia to be applauded for their control and courage in obtaining extreme weight loss.

This link between positive emotions and weight-loss behaviors, Selby said, turns into a vicious cycle for some women suffering with eating disorders who continue to lose weight even after their goals are met.

Selby believes that more research is needed to find a way to redirect positive emotions associated with emaciation to other healthy activities, and determine how these feelings should be addressed in treating those with [eating disorders](#).

Physical activity, for instance, might need to be looked at in a different way, Selby said. While there is debate about whether patients undergoing treatment for anorexia should be allowed to exercise, working out is an activity that makes them feel good. So instead of completely barring physical fitness, perhaps an individual who has gained pleasure from a sport like running could be steered toward a group activity like yoga, which is focused more on core strengthening and not weight loss, he said.

"Being in control is important for many of these women," Selby said. "What we need to do is find a way to reconnect the positive emotions they feel in losing [weight](#) to other aspects of their lives that will lead to a more balanced sense of happiness."

More information: Selby, E.A., Wonderlich, S.A., Crosby, R.D., Engel, S.G., Panza, E., Mitchell, J.E., Crow, S.J.,...& Le Grange, D. (2013). "Nothing tastes as good as thin feels: Low positive emotion differentiation and weight-loss activities in anorexia nervosa." *Clinical Psychological Science*. [DOI: 10.1177/2167702613512794](https://doi.org/10.1177/2167702613512794)

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