

# Personality Changes Associated with Weight Gain

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A new study looks at the relationship between fluctuations in body weight and personality traits.

Florida State University researchers discovered people who gain weight are more likely to give in to temptations but also are more thoughtful about their actions.

The study is published in *Psychological Science*.

To understand how fluctuations in body weight might relate to personality changes, Angelina Sutin, Ph.D., and colleagues at the National Institutes of Health (NIH) examined data from two large-scale longitudinal studies of Baltimore residents.

“We know a great deal about how personality traits contribute to weight gain,” said Sutin.

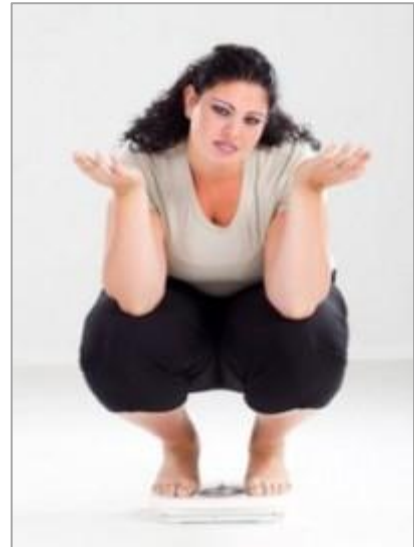
“What we don’t know is whether significant changes in weight are associated with changes in our core personality traits. Weight can be such an emotional issue — we thought that weight gain may lead to long-term changes in psychological functioning.”

Researchers used the Baltimore Longitudinal Study of Aging (BLSA), and the Baltimore Epidemiologic Catchment Area (ECA) study, to review more than 1,900 people of all ages and socioeconomic levels.

Data about participants’ personality traits and their body weight were collected at two time points separated by nearly a decade.

In one study, a clinician measured participants’ weight at the two time points; in the other study, the participants reported their weight at baseline and had it measured by a clinician at follow-up.

Sutin and colleagues found that participants who had at least a 10 percent increase in body weight showed an increase in impulsiveness — with a greater tendency to give in to temptations — compared to those whose weight was stable.



While the study is not an experimental design to evaluate cause and effect, or whether increased impulsiveness is a cause, or an effect, of gaining weight – researchers say the findings suggest an intimate relationship between a person’s physiology and his or her psychology.

Researchers were surprised to find that people who gained weight also reported an increase in deliberation, with a greater tendency to think through their decisions.

Deliberation tends to increase for everyone in adulthood, but the increase was almost double for participants who gained weight compared to those whose weight stayed the same.

“If mind and body are intertwined, then if one changes the other should change too,” she said. “That’s what our findings suggest.”

Sutin and colleagues speculate that this increase in deliberation could be the result of negative feedback from family or friends — people are likely to think twice about grabbing a second slice of cake if they feel that everyone is watching them take it.

These findings suggest that even though people who gain weight are more conscious of their decision-making, they may still have difficulty resisting temptations.

“The inability to control cravings may reinforce a vicious cycle that weakens the self-control muscle,” the researchers note.

“Yielding to temptation today may reduce the ability to resist cravings tomorrow. Thus, individuals who gain weight may have increased risk for additional weight gain through changes in their personality.”