

How long should you fast for weight loss?

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Two daily fasting diets, also known as time-restricted feeding diets, are effective for weight loss, according to a new study published by researchers from the University of Illinois at Chicago.

The study reported results from a clinical trial that compared a 4-hour

time-restricted feeding diet and a 6-hour time-restricted feeding diet to a control group.

"This is the first human clinical trial to compare the effects of two popular forms of time-restricted feeding on body weight and cardiometabolic risk factors," said Krista Varady, professor of nutrition at the UIC College of Applied Health Sciences and corresponding author of the story.

Participants in the 4-hour time-restricted feeding diet group were asked to eat only between the hours of 1 p.m. and 5 p.m. Participants in the 6-hour time-restricted feeding diet group were asked to eat only between the hours of 1 p.m. and 7 p.m.

In both the study groups, patients were allowed to eat whatever they wanted during the 4-hour or 6-hour eating period. During the fasting hours, participants were directed to only drink water or calorie-free beverages. In the control group, participants were directed to maintain their weight and not change their diet or physical activity levels.

The participants were followed for 10 weeks as weight, insulin resistance, oxidative stress, blood pressure, LDL cholesterol, HDL cholesterol, triglycerides and inflammatory markers were tracked.

The study, published in *Cell Metabolism*, found that participants in both daily fasting groups reduced [calorie intake](#) by about 550 calories each day simply by adhering to the schedule and lost about 3% of their [body weight](#). The researchers also found that [insulin resistance](#) and [oxidative stress](#) levels were reduced among participants in the study groups when compared with the control group. There was no effect on blood pressure, LDL cholesterol, HDL cholesterol or triglycerides.

There also was no significant difference in weight loss or

cardiometabolic risk factors between the 4-hour and 6-hour diet groups.

"The findings of this study are promising and reinforce what we've seen in other studies—fasting diets are a viable option for people who want to lose weight, especially for people who do not want to count calories or find other diets to be fatiguing," Varady said. "It's also telling that there was no added [weight loss](#) benefit for people who sustained a longer fast—until we have further studies that directly compare the two diets or seek to study the optimal time for fasting, these results suggest that the 6-hour fast might make sense for most people who want to pursue a daily fasting [diet](#)."

More information: Sofia Cienfuegos et al, Effects of 4- and 6-h Time-Restricted Feeding on Weight and Cardiometabolic Health: A Randomized Controlled Trial in Adults with Obesity, *Cell Metabolism* (2020). [DOI: 10.1016/j.cmet.2020.06.018](https://doi.org/10.1016/j.cmet.2020.06.018)

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