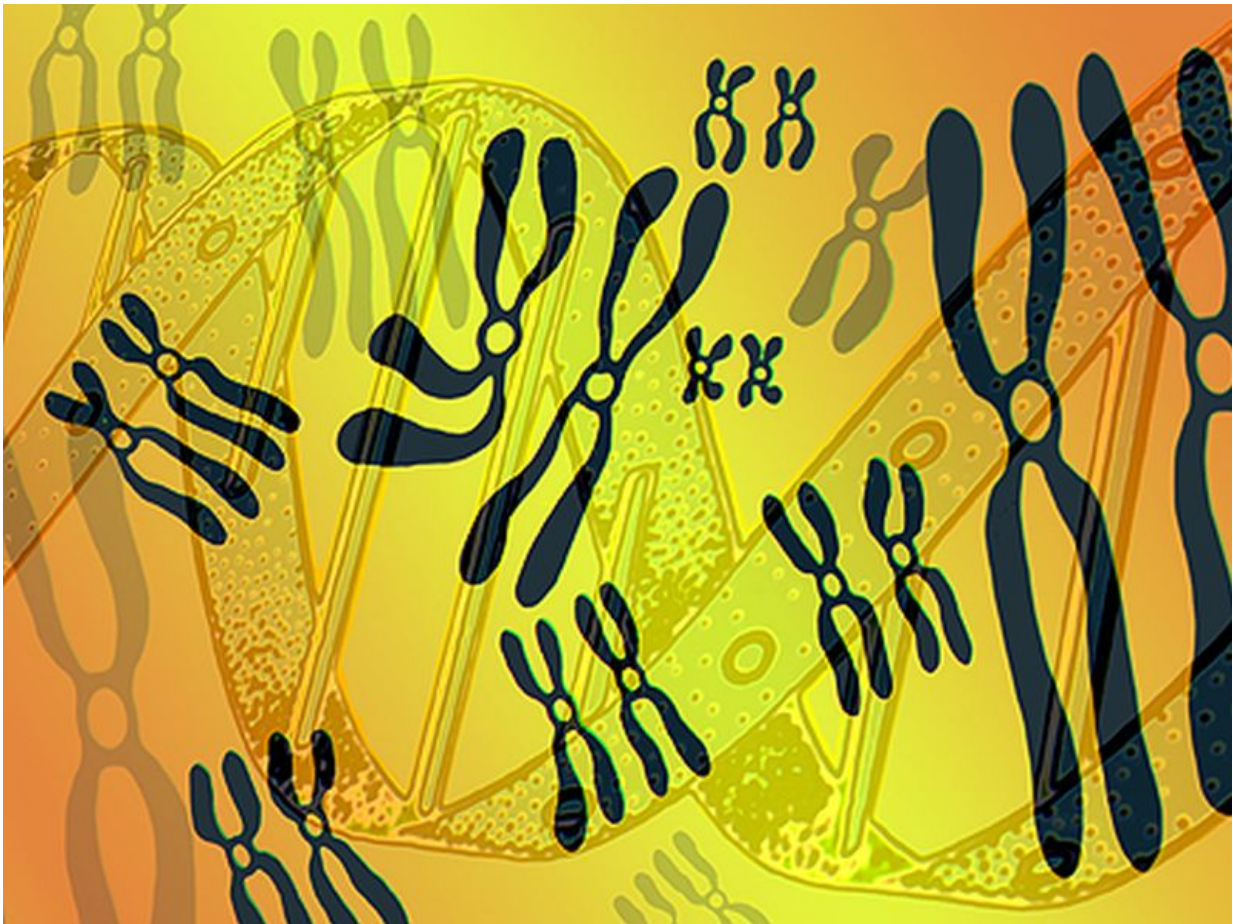


# T2DM risk cut by variant in sulfonylurea receptor encoder

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(HealthDay)—A common missense variant in the gene encoding a

component of the sulfonylurea receptor (*ABCC8* p.A1369S), which promotes closure of the target channel of sulfonylurea therapy, mimicking the effects of therapy, is associated with reduced risk of type 2 diabetes and coronary heart disease, according to a study published online April 14 in *Diabetes*.

Connor A. Emdin, D.Phil., from Massachusetts General Hospital in Boston, and colleagues used individual-level data from 120,286 participants in the U.K. Biobank and results from four large genome-wide association studies to examine the impact of p.A1369S on cardiometabolic traits, type 2 diabetes, and [coronary heart disease](#).

The researchers found that there was a correlation between the p.A1369S variant and a significantly lower risk of type 2 diabetes (odds ratio, 0.93). The variant was also correlated with increased body mass index (0.062 kg/m<sup>2</sup>) but lower waist-to-hip ratio adjusted for [body mass index](#). In addition, p.A1369S was associated with a significantly reduced risk of coronary heart disease (odds ratio, 0.98).

"These results suggest that, despite a known association with increased weight, long-term sulfonylurea therapy may reduce the risk of coronary [heart](#) disease," the authors write.

Two authors disclosed financial ties to the pharmaceutical industry.

**More information:** [Abstract/Full Text \(subscription or payment may be required\)](#)

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