

# America's obesity epidemic may mean some cancers are striking sooner

August 14 2019, by Alan Mozes, Healthday Reporter

---



(HealthDay)—Since the turn of the century, American obesity rates have

skyrocketed. And now a new study indicates that as the nation's waistlines expand, cancers long linked to obesity are striking the middle-aged more than ever before.

The finding follows a review of data on more than 6 million white, black and Hispanic [cancer](#) patients diagnosed between 2000 and 2016.

The upshot: Across all races, men and women between the ages of 50 and 64 now face a greater risk of developing obesity-associated cancers than in the past, compared with their younger and older peers.

Why? "Cancer is not a [light switch](#)," said study author Dr. Nathan Berger, a professor of experimental medicine with Case Comprehensive Cancer Center at Case Western Reserve University School of Medicine in Cleveland. "The development of cancer from mutation to diagnosis is a 10- to 20-year process," roughly the time it takes for a young obese person to reach middle age.

"And for many types of cancer, that process is definitely accelerated by obesity," Berger added. "Basically, what we think is happening is that people who in the past would have developed cancer in their late 60s or 70s are now showing up with cancer in their 50s and 60s."

In the report, published online Aug. 14 in *JAMA Network Open*, Berger and his colleagues pointed out that American obesity rates shot way up between 1988 and 2016.

Citing U.S. Centers for Disease Control and Prevention figures, the team noted that obesity rates more than doubled among 20- to 39-year-olds during that time. They also jumped from about 28% to 43% among those aged 40 to 59, and increased from 24% to 41% among those aged 60 and older.

At the same time, another 2014 CDC analysis found that 40% of all diagnosed cancers were linked to being overweight or obese.

That doesn't surprise Dr. Howard Burris, president of the American Society of Clinical Oncology. "The connection between obesity and cancer has been talked about for years," he said, likely driven by chronic inflammation and factors such as smoking and drinking, which often go hand-in-hand with excess weight.

Obesity also leads to increased insulin and insulin growth factor production, alongside increased estrogen production, both of which can increase [cancer risk](#), Burris explained.

On the list of obesity-linked cancers are hormonal cancers, such as breast, ovarian and thyroid cancer. "But it turns out that obesity is also linked to gastrointestinal cancers, such as gallbladder cancer, and liver, stomach and colorectal cancer," said Burris, who was not part of the latest study. He also cited kidney cancer as yet another obesity-linked disease.

For the study, Berger and his team tracked shifting trends for all obesity-linked cancers, alongside cancers not linked to obesity.

During the study period, obesity-linked cancer rates shot up dramatically among the 50 to 64 set, rising anywhere from 25% among white women to nearly 200% among Hispanic men. But those rates did not rise as significantly among those aged 20 and 49, and actually dropped among seniors aged 65 and up.

The study authors acknowledged that cancer screening improvements may have led to earlier detection rates. And they noted that several factors they didn't explore might have had an impact on cancer trends, including smoking, poverty and a family history of cancer.

In the end, the team concluded that the middle-aged are increasingly in the crosshairs of obesity-associated cancer.

Study author Siran Koroukian said, "The point is that cancer doesn't happen from one day to the next. Obesity is a state of constant inflammation. And we believe that the general shift of cancer risk to younger age groups is happening now after decades of an obesity epidemic among [younger people](#)."

And, she added, "that means cancer is increasingly happening to people at the height of their most productive years, which has an impact on people's lives and society as a whole." Koroukian is an associate professor at Case Comprehensive Cancer Center.

"So I certainly think that efforts to curb [obesity](#) should continue and continue vigorously," she said.

"But it's also important to make sure that the cancer community is vigilant that cancer can now present at a younger age. That kind of awareness is really important, because otherwise cancer in younger people gets diagnosed in later and later stages. So, when people go to their doctor with cancer-related symptoms they should not be dismissed with, 'You're too young to have cancer,'" Koroukian added.

**More information:** For more on the connection between obesity and cancer risk, visit the [U.S. National Cancer Institute](#).

Copyright © 2019 [HealthDay](#). All rights reserved.

Citation: America's obesity epidemic may mean some cancers are striking sooner (2019, August 14) retrieved 23 April 2024 from <https://medicalxpress.com/news/2019-08-america-obesity-epidemic-cancers-sooner.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.