

Obesity greatest risk factor for young adults with COVID-19

September 9 2020



Credit: CC0 Public Domain

Young adults with underlying conditions such as morbid obesity, diabetes and hypertension are at the highest risk of being placed on a ventilator or dying from COVID-19, according to a study of 3,000 hospitalized patients aged 18 to 34.

The analysis, published Wednesday in the journal *JAMA Internal Medicine*, focused on patients hospitalized between April and June in the United States.

It confirmed first and foremost that black and Hispanic people have been the worst affected by the pandemic: they accounted for 57 percent of all [young adults](#) who were hospitalized and 49 percent of those who died or needed ventilation.

They represent about a third of all [young people](#).

As has been seen in other age groups, males are at greater risk than females—representing 58 percent of hospitalized cases among young people and 65 percent of young people who died or were placed on ventilators.

People with [morbid obesity](#)—defined as having a body mass index of 40 or more—were extremely overrepresented, accounting for 41 percent who needed ventilation or died.

This was followed by [high blood pressure](#), which accounted for 31 percent of intubated and dead patients, and diabetes, representing 27 percent of intubated and dead patients.

Young people with all three of these underlying conditions had the same risk for death or intubation as middle-aged (35-64) patients without the conditions.

The study joins multiple others indicating that obese people are at a higher risk of complications from COVID-19.

A "meta-analysis" of multiple studies involving 399,000 patients, published in August in the journal *Obesity Reviews*, estimated that obese

people were twice as likely to be hospitalized after contracting the coronavirus, compared to people who are not obese.

© 2020 AFP

Citation: Obesity greatest risk factor for young adults with COVID-19 (2020, September 9)
retrieved 28 April 2024 from

<https://medicalxpress.com/news/2020-09-obesity-greatest-factor-young-adults.html>

<p>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.</p>
--