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Masks and Carbon Dioxide

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Masks and Carbon Dioxide

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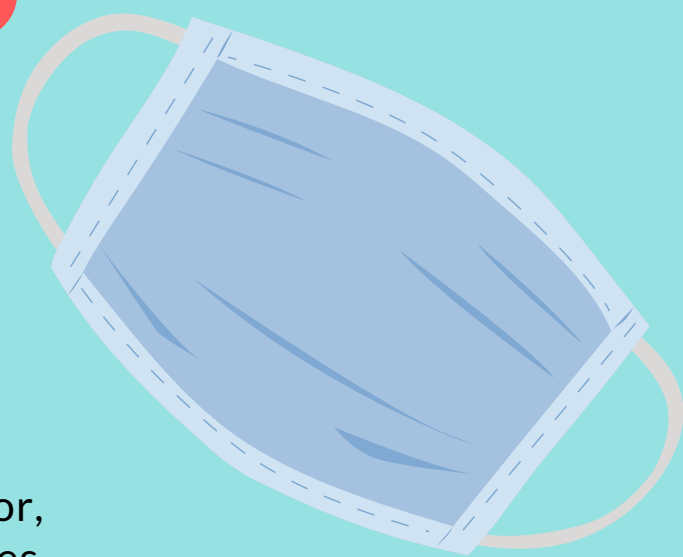


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MASKS AND CARBON DIOXIDE



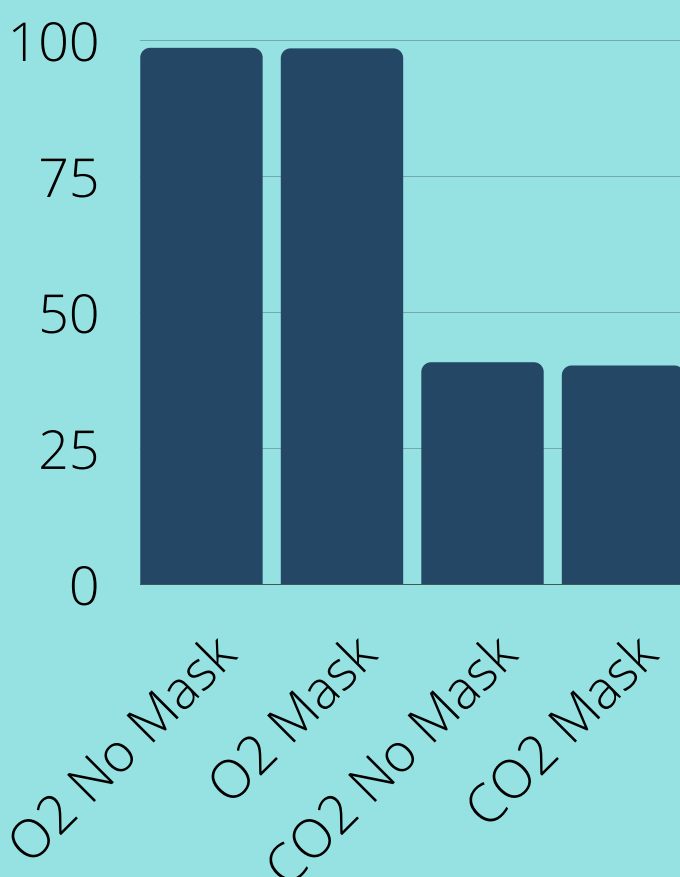
Rumors surrounding the dangers of masks increasing blood CO2 levels are false and harmful to public health. Unless explicitly directed by your doctor, everyone should wear a mask at all times in public. Here's why:

by Rohan Patel, Maham Ahmed, Patrick Dery, Samantha Katz, Jacqueline Townshend, Alex Rosenbaum



1 WEARING A MASK MIGHT FEEL UNCOMFORTABLE

Your breath makes the air behind the mask hot and humid, but this does not impact your ability to breathe.

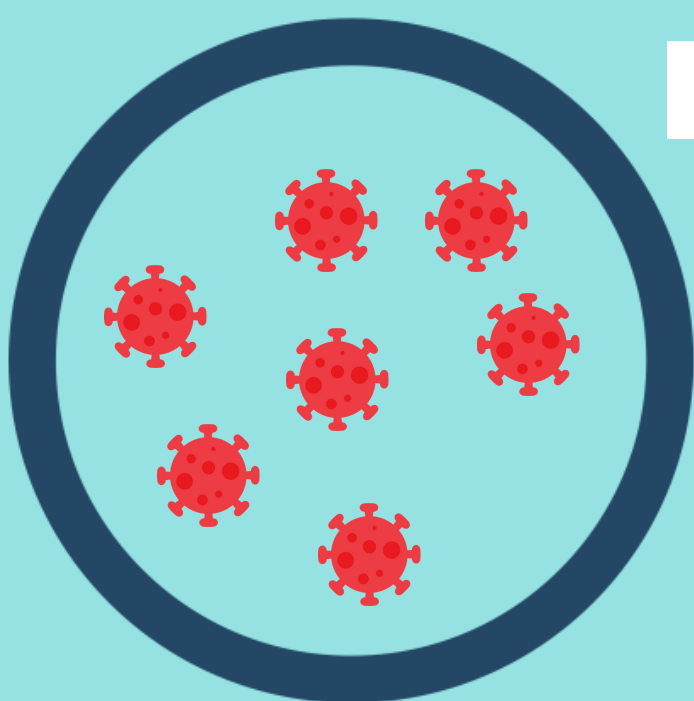


2 WEARING YOUR MASK DOESN'T MEAN MORE CARBON DIOXIDE

Carbon Dioxide and Oxygen can easily pass through the holes in your mask but Covid-19 cannot -- it is trapped in large droplets

1000x

Coronavirus particles are 1000 times larger than Oxygen particles

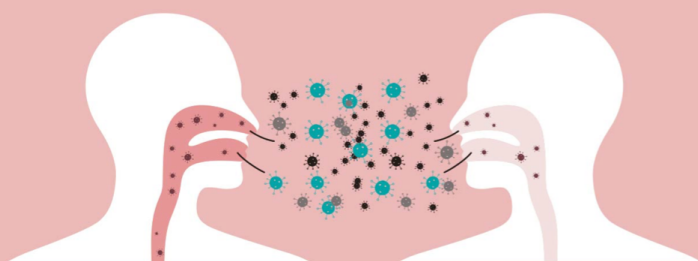


3 WHY YOU SHOULD BE WEARING YOUR MASK

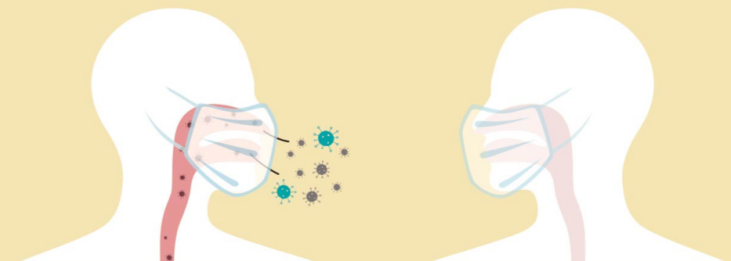
Wearing a mask is about protecting not only yourself, but also other people. Cough droplets can spread as far as 6 meters, and sneeze droplets as far as 8. These droplets can remain in the air for as long as 10 whole minutes!

You don't throw up your hands if you think a mask is not 100 percent effective. Nobody's taking a cholesterol medicine because they're going to prevent a heart attack 100 percent of the time, but you're reducing your risk substantially.

-Dr. Peter Ching-Hong, MD



Risk of virus spread: **Very high**



Risk of virus spread: **Low**