

# Pandemic stress, boredom caused some PA residents to increase cigarette use

March 30 2021, by Zachary Sweger

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Stress, increased free time and feelings of boredom may have contributed to an increase in the number of cigarettes smoked per day during the early months of the COVID-19 pandemic by nearly a third of

surveyed Pennsylvania smokers. Penn State College of Medicine researchers said understanding risk factors and developing new strategies for smoking cessation and harm reduction may help public health officials address concerning trends in tobacco use that may have developed as a result of the pandemic.

Jessica Yingst, assistant professor of [public health](#) sciences and Penn State Cancer Institute researcher, said smokers who increased the number of cigarettes they smoked per day could be at greater risk of dependence and have a more difficult time quitting.

Researchers asked 291 smokers about their [tobacco use](#) patterns before and during the early months of the pandemic including how frequently they used [tobacco products](#), reasons why their use patterns changed and whether they attempted to quit. Nearly a third of smokers reporting increased use due to stress, increased free time and boredom. One participant stated, "Working at home allows me to smoke at will rather than being in a smoke-free environment for 8 hours per day." In contrast, 10% of participants decreased their tobacco use and attributed that to schedule changes, being around non-smokers such as children, and [health](#) reasons.

Nearly a quarter of participants reported attempting to [quit smoking](#) during the pandemic. A third of those who attempted to quit conveyed that they did so to reduce their risk of poor outcomes should they become infected with COVID-19. One participant stated, "I quit as soon as I came down with a fever and cough. Clearly, I am aware of how detrimental smoking is to my health; however, I did not consider how it could make me more vulnerable to COVID-19 and its effects. I was terrified and quit immediately." Ultimately, seven people were successful in quitting all tobacco use.

The research team also asked the participants about their perceptions of

health risks during the pandemic. More than two-thirds of participants believed their risk of contracting COVID-19 was the same as non-tobacco users. However, more than half of those surveyed thought they were at higher risk to suffer serious complications from COVID-19. The results were published in the *International Journal of Environmental Research and Public Health*.

"Knowing the reasons for increased tobacco use and the motivations of those who successfully quit smoking can help us identify how to better address cessation efforts during the pandemic," Yingst said. "New methods like telemedicine and increasing public health messaging could encourage people to stop smoking in the absence of public support groups or other in-person interventions."

**More information:** Jessica M. Yingst et al, Tobacco Use Changes and Perceived Health Risks among Current Tobacco Users during the COVID-19 Pandemic, *International Journal of Environmental Research and Public Health* (2021). [DOI: 10.3390/ijerph18041795](https://doi.org/10.3390/ijerph18041795)

Provided by Pennsylvania State University

Citation: Pandemic stress, boredom caused some PA residents to increase cigarette use (2021, March 30) retrieved 5 February 2024 from <https://medicalxpress.com/news/2021-03-pandemic-stress-boredom-pa-residents.html>

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