

# Study finds increase in anxiety and depression for people whose family member or close friend contracts COVID-19

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Family members and close friends of people with COVID-19 have elevated symptoms of depression and anxiety, a study from Karolinska

Institutet published in [The Lancet Regional Health—Europe](#) reports. According to the researchers, the results of the study indicate a possible unmet public health need.

"On 5 May 2023, the UN declared the COVID pandemic over, but its effects on [public health](#) persist," says Dr. Anikó Lovik, postdoc researcher at the Institute of Environmental Medicine, Karolinska Institutet.

Dr. Lovik and her colleagues have examined how the pandemic affected the mental health of people who had a close relationship with someone who contracted COVID-19. Data was gathered from more than 160,000 adult volunteers who replied to online surveys over 22 months of the pandemic. The participants were based in four countries: Sweden, Iceland, Norway and the United Kingdom.

"The study shows that people who had a [family](#) member or close friend with a COVID-19 diagnosis were more prone to reporting symptoms of depression and [anxiety](#) than people who did not have a close friend or relative with COVID-19," says Dr. Lovik.

The proportion of people reporting significant symptoms of anxiety and depression was between 7% and 8% higher in those who had a COVID patient among their close family or friends compared with those who did not, the study found.

"But if the sick family member needed to be hospitalized, the study participants experienced symptoms of depression and anxiety more often," says Dr. Lovik. "For instance, people with a friend or relative who had to be taken into intensive care reported anxiety symptoms 45% more often."

## **Looked at how mental health changed**

The Swedish cohort had participated in KI's "Omtanke2020" COVID-impact study, in which the researchers also looked at how their mental health changed after their friend or relative had been diagnosed with COVID.

"If the family member or a close friend had had a serious COVID infection, that is to say, been hospitalized or placed in [intensive care](#) or died, the percentage of patients with explicit symptoms remained higher throughout the year for which the participants were followed," she says.

Bearing in mind how many people have contracted COVID-19 since the start of the pandemic, Dr. Lovik believes the study indicates a possible unmet public [health](#) need.

"The [family members](#) and close friends of people with COVID don't get enough recognition and don't always get the help they need," she says. "According to a Dutch study, the mental strain of losing a family member or very close [friend](#) to COVID-19 is comparable to losing someone to an unnatural death."

She continues, "We want to draw attention to this issue. To keep the family and close friends of COVID patients under observation and, if necessary, refer them to appropriate [mental health](#) counseling, can make a huge difference."

**More information:** Anikó Lovik et al, Elevated symptoms of depression and anxiety among family members and friends of critically ill COVID-19 patients—an observational study of five cohorts across four countries, *The Lancet Regional Health—Europe* (2023). [DOI: 10.1016/j.lanepe.2023.100733](https://doi.org/10.1016/j.lanepe.2023.100733)

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