

# Navy ship outbreak shows most young aren't spared COVID symptoms

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(HealthDay)—When COVID-19 strikes the young, the lion's share of

patients still show symptoms, a new report on a coronavirus outbreak aboard a U.S. Navy aircraft carrier suggests.

In late March, the U.S.S. Theodore Roosevelt arrived in Guam after numerous sailors on the ship developed COVID-19. In April, the U.S. Navy and the U.S. Centers for Disease Control and Prevention investigated the outbreak by checking the lab findings for 382 service members on the carrier.

In the outbreak, there was widespread transmission of SARS-CoV-2 (the virus that causes COVID-19) among young, [healthy adults](#) living in close quarters who mostly showed mild symptoms, the researchers reported June 9 in the *Morbidity and Mortality Weekly Report*, a CDC publication.

Social distancing measures mattered: Sailors who took infection prevention measures were less likely to be infected. Wearing a [face mask](#) lowered the risk from 81% to 56%; avoiding common areas lowered risk from 67.5% to 54%; and observing social distancing lowered risk from 70% to 55%, the researchers found.

"The findings reinforce the importance of non-pharmaceutical interventions, such as wearing a face covering, avoiding common areas, and observing social distancing to lower risk for infection in similar congregate living settings," the team led by CDC researcher Daniel Payne wrote.

Among 238 service members with previous or current SARS-CoV-2 infection who completed a survey, 194 (81.5%) reported one or more symptoms, 44 were asymptomatic, and two were hospitalized for COVID-19.

Current thinking on COVID-19 among young, healthy adults has been that many show hardly any symptoms.

Males were more likely to be infected than females, but there were no significant differences when it came to age, race, ethnicity or history of a preexisting medical condition, the researchers noted.

Roughly one-third of patients had fever, body pain and chills, and these people had higher odds of SARS-CoV-2 infection than those who reported cough and shortness of breath. Participants reporting a loss of sense of smell or taste were 10 times more likely to be infected as those who did not, according to the report.

"The shipboard environment presents substantial challenges for reducing viral transmission because of congregate living quarters and close working environments," the researchers wrote. "The significant association of [infection](#) and male sex could reflect an association with berthing, which is separated by sex aboard the ship."

There was a bit of good news in the findings: Neutralizing antibodies, which could potentially disable the virus, developed among the majority (just over 59%) of those with antibody responses, "a promising indicator of at least short-term immunity," the researchers concluded.

**More information:** Visit the [U.S. Centers for Disease Control and Prevention](#) for more on COVID-19.

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