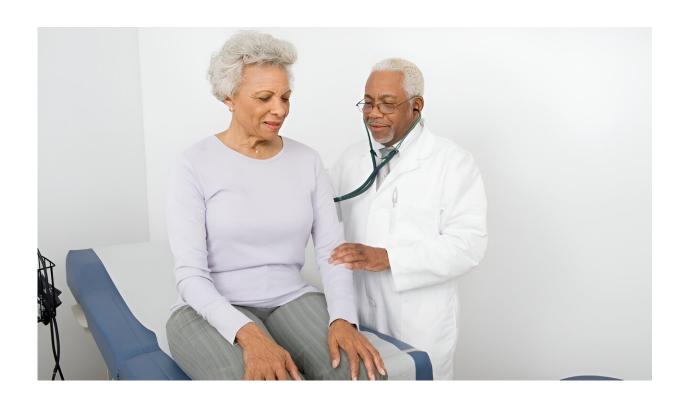


## Acute cardiac event reported in 22.4% of seniors hospitalized with RSV

April 15 2024, by Elana Gotkine



More than 22% of older hospitalized adults with respiratory syncytial virus (RSV) infection experience an acute cardiac event, according to a



study published online April 15 in JAMA Internal Medicine.

Rebecca C. Woodruff, Ph.D., M.P.H., from the U.S. Centers for Disease Control and Prevention in Atlanta, and colleagues conducted a cross-sectional study examining surveillance data from the RSV Hospitalization Surveillance Network. To estimate the weighted period prevalence of acute cardiac events, cases of RSV <u>infection</u> in adults aged 50 years and older within 12 states over five RSV seasons were examined.

A total of 6,248 hospitalized adults with laboratory-confirmed RSV infection were included. The researchers found that the weighted estimated prevalence of experiencing a cardiac event was 22.4%, with weighted estimated prevalence of 15.8, 7.5, 1.3, 1.1, and 0.6% for acute heart failure, acute ischemic heart disease, hypertensive crisis, ventricular tachycardia, and cardiogenic shock, respectively.

The risk for experiencing an acute cardiac event was higher for adults with underlying cardiovascular disease (33.0 versus 8.5%; adjusted risk ratio [aRR], 3.51). Of the hospitalized adults with RSV infection, 18.6 and 4.9% required intensive care unit (ICU) admission and died, respectively; those who experienced an acute cardiac event had higher risks for ICU admission and in-hospital death (aRRs, 1.54 and 1.77, respectively).

"Acute cardiac events contribute substantially to the burden of RSV disease; whether RSV vaccination can prevent these complications is an important question as the impact of these vaccines is evaluated," the authors write.

More information: Rebecca C. Woodruff et al, Acute Cardiac Events



in Hospitalized Older Adults With Respiratory Syncytial Virus Infection, *JAMA Internal Medicine* (2024). <u>DOI:</u> 10.1001/jamainternmed.2024.0212

Tracy Y. Wang, RSV Vaccination—The Juice Is Worth the Squeeze, *JAMA Internal Medicine* (2024). DOI: 10.1001/jamainternmed.2024.0219

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