

Cardiac arrest rate during delivery hospitalization 13.4 per 100,000

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The rate of cardiac arrest during delivery hospitalizations is 13.4 per

100,000, with cardiac arrest occurring more often among older patients, non-Hispanic Blacks, and those with an underlying medical condition, according to a study published online March 14 in the *Annals of Internal Medicine*.

Nicole D. Ford, Ph.D., M.P.H., from the U.S. Centers for Disease Control and Prevention in Atlanta, and colleagues conducted a retrospective cohort study in U.S. acute care hospitals in 2017 to 2019 to examine cardiac arrest occurring during delivery hospitalizations among women aged 12 to 55 years.

The researchers found that the rate of cardiac arrest was 13.4 per 100,000 among 10,921,784 U.S. delivery hospitalizations. Overall, 68.6 percent of the 1,465 patients with cardiac arrest survived to hospital discharge. Older patients and those who were non-Hispanic Black, had Medicare or Medicaid, or had underlying medical conditions more often experienced cardiac arrest. The most common co-occurring diagnosis was acute respiratory distress syndrome (56.0 percent).

Mechanical ventilation was the most common co-occurring procedure or intervention (53.2 percent). A lower rate of survival to hospital discharge after cardiac arrest was seen with co-occurring disseminated intravascular coagulation without or with transfusion (50.0 and 54.3 percent, respectively).

"Implementing clinical guidelines, ensuring that pregnant people receive risk-appropriate care, and addressing potential knowledge deficits in maternal [cardiac arrest](#) and cardiopulmonary resuscitation technique for pregnant people may improve maternal outcomes," the authors write.

More information: Nicole D. Ford et al, Cardiac Arrest During Delivery Hospitalization, *Annals of Internal Medicine* (2023). [DOI: 10.7326/M22-2750](https://doi.org/10.7326/M22-2750)

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