

Blacks, hispanics less likely than whites to receive bystander CPR

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Blacks and Hispanics are less likely than Whites to receive bystander

cardiopulmonary resuscitation (CPR) for out-of-hospital cardiac arrest, according to a study published in the Oct. 27 issue of the *New England Journal of Medicine*.

R. Angel Garcia, M.D., from Saint Luke's Mid America Heart Institute in Kansas City, Missouri, and colleagues examined the incidence of [bystander](#) CPR in witnessed out-of-hospital cardiac arrests at home and in public settings according to the race or ethnic group of the person with [cardiac arrest](#). Data were included for 110,054 witnessed out-of-hospital cardiac arrests during 2013 to 2019.

Overall, 32.2 percent of witnessed out-of-hospital cardiac arrests occurred in Black or Hispanic persons. The researchers found that the likelihood of receiving bystander CPR at home and in public locations was lower for Black and Hispanic persons versus White persons (adjusted odds ratios, 0.74 and 0.63, respectively). The lower incidence of bystander CPR among Black and Hispanic persons versus White persons was seen in predominantly White neighborhoods at home and in public locations (adjusted odds ratios, 0.82 and 0.68, respectively), in majority Black or Hispanic neighborhoods at home and in public locations (adjusted odds ratios, 0.79 and 0.63, respectively), and in integrated neighborhoods at home and in public locations (adjusted odds ratios, 0.78 and 0.73, respectively).

"This finding suggests that multifaceted public health interventions may be needed to reduce racial and [ethnic differences](#) in bystander CPR," the authors write.

More information: R. Angel Garcia et al, Racial and Ethnic Differences in Bystander CPR for Witnessed Cardiac Arrest, *New England Journal of Medicine* (2022). [DOI: 10.1056/NEJMoa2200798](https://doi.org/10.1056/NEJMoa2200798)

Walter K. Clair, Social Determinants of Sudden Cardiac Death, *New*

England Journal of Medicine (2022). [DOI: 10.1056/NEJMe2210406](https://doi.org/10.1056/NEJMe2210406)

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