

Quadrivalent HPV vaccine not tied to spontaneous abortion

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distal 4vHPV exposure, 10.4 percent experienced a spontaneous abortion. Spontaneous abortions occurred in 11.2 percent of women with peripregnancy exposure and 8.6 percent with pregnancy exposure. There was no increased risk of [spontaneous abortion](#) among women who received 4vHPV during pregnancy (adjusted hazard ratio, 1.1; 95 percent confidence interval, 0.81 to 1.51) or peripregnancy (adjusted hazard ratio, 1.07; 95 percent confidence interval, 0.81 to 1.41).

"This study supports current clinical practice, in which [pregnancy](#) testing is not routinely performed before vaccination," the authors write.

Several authors disclosed financial ties to the pharmaceutical industry.

More information: [Abstract/Full Text \(subscription or payment may be required\)](#)

(HealthDay)—The quadrivalent human papillomavirus vaccine (4vHPV) is not associated with an increased risk of spontaneous abortion when inadvertently given before or during pregnancy, according to a study published in the July issue of *Obstetrics & Gynecology*.

Elyse O. Kharbanda, M.D., M.P.H., from HealthPartners Institute in Minneapolis, and colleagues compared risks for spontaneous abortion after 4vHPV in three exposure windows—distal (16 to 22 weeks before the last [menstrual period](#); 33 percent of participants), peripregnancy (within six weeks before the last menstrual period; 35 percent), and during pregnancy (last menstrual period through 19 weeks of gestation; 32 percent)—among a cohort of 2,800 females 12 to 27 years of age with a pregnancy between 2008 and 2014. Data came from seven integrated health systems within the Vaccine Safety Datalink.

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The researchers found that among women with

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