

# Poison control center data detail peds exposure to buprenorphine

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(HealthDay)—Pediatric exposure to buprenorphine can result in serious

adverse outcomes, especially among children aged younger than 6 years, according to a study published online June 25 in *Pediatrics*.

Sara Post, from The Research Institute at Nationwide Children's Hospital in Columbus, Ohio, and colleagues examined buprenorphine exposures among children and adolescents aged  $\leq 19$  years in the United States using data from calls to U.S. poison control centers for 2007 to 2016.

The researchers found that there were reports of 11,275 children and adolescents aged  $\leq 19$  years exposed to buprenorphine. Overall, 86.1 percent of exposures were among children aged younger than 6 years; 89.2 percent were unintentional and 97.3 percent were to a single substance. Compared with adolescents aged 13 to 19 years, [children](#) younger than 6 years had greater odds of hospital admission and of serious medical outcomes for single-substance exposures. Overall, 11.1 percent of exposures were for adolescents; 77.1 percent of these were intentional, including 12 percent involving suspected suicide, and multiple substances were involved in 27.7 percent. The odds of [hospital admission](#) and a serious medical outcome were higher for multiple-versus single-substance exposures among adolescents.

"Buprenorphine is important for the treatment of opioid use disorder, but pediatric exposure can result in serious [adverse outcomes](#)," the authors write.

One author has been retained to review and comment on a legal case involving buprenorphine.

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

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