

# Study examines probiotics to prevent or treat excessive infant crying

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There still appears to be insufficient evidence to support using probiotics (*Lactobacillus reuteri*) to manage colic or to prevent crying in infants, especially in formula-fed babies, but it may be an effective treatment for crying infants who are breastfed exclusively and have colic, according to a study in *JAMA Pediatrics* by Valerie Sung, M.P.H., of the Murdoch Children's Research Institute and Royal Children's Hospital, Australia, and colleagues.

Researchers conducted a systematic review of 12 trials that randomized 1,825 infants three months or younger to oral [probiotics](#) vs. placebo, or to no or standard treatment. Five of the trials examined the effectiveness of probiotics in the [treatment](#) of infant colic and seven examined their role in infant colic prevention. The outcome was the duration or number of episodes of infant crying/distress or diagnosis of "infant colic."

According to study findings, six of the 12 trials suggested probiotics reduced crying and six did not. Three of the five management trials concluded probiotics effectively treat colic in [breastfed babies](#); one suggested possible effectiveness in formula-fed babies with colic, and one suggested ineffectiveness in breastfed babies with colic.

"Larger and more rigorously designed randomized clinical trials are needed to examine the efficacy of the probiotic *L reuteri* in the management of breastfed and particularly formula-fed infants with colic and in the prevention of colic in healthy term [infants](#)," the study concludes.

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