

Sleep-disordered breathing may worsen pregnancy outcomes

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Sushmita Pamidi, M.D., of McGill University in Montreal, and colleagues conducted a systematic review of the literature and meta-analysis of selected studies to assess the association between sleep-disordered [breathing](#) and risk of adverse pregnancy outcomes, including gestational hypertension/preeclampsia, gestational diabetes, and low-birth-weight infants.

The researchers found 31 studies that met the defined criteria; 21 studies, all observational, reported dichotomous outcomes, and nine of these studies adjusted for potential confounding variables. Maternal sleep-disordered breathing was significantly associated with [increased risk](#) of gestational hypertension/preeclampsia (pooled adjusted odds ratio [aOR], 2.34; five studies) and gestational diabetes (pooled aOR, 1.86; five studies).

"Based on published observational studies to date, maternal sleep-disordered breathing is associated with an increased risk of gestational hypertension and [gestational diabetes](#) after adjusting for potential confounders," the authors write. "However, large-scale, prospective cohort, and interventional studies are needed to further elucidate the relationship between maternal sleep-disordered breathing and adverse pregnancy outcomes."

More information: [Abstract](#)
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