

Infection during newborn's first week of life associated with bacterial infection in the mother

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Early-onset neonatal infection, defined as infection in the first 7 days of life, is associated with maternal infection and colonization, a systematic review and meta-analysis by Grace Chan (Johns Hopkins School of Public Health) and colleagues found in this week's issue of *PLOS Medicine*.

Newborns of mothers with laboratory-confirmed infection had an odds ratio of 6.6 (95%CI 3.9-11.2) for laboratory-confirmed infection themselves compared with [newborns](#) of mothers without laboratory-confirmed infection. Newborns of mothers with colonization had an odds ratio of 9.4 (95%CI 3.1-28.5) of laboratory-confirmed infection compared with newborns of non-colonized mothers. Furthermore, newborns of mothers with risk factors for infection (prelabour rupture of membranes, preterm

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