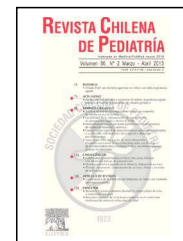




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CONO SUR

Abstract. Breastfeeding during the first hour of life and neonatal mortality[☆]

Resumen. Lactancia materna durante la primera hora de vida y mortalidad neonatal

Boccolin CS, de Carvalho ML, de Oliveira MI, Pérez-Escamilla R. Breastfeeding during the first hour of life and neonatal mortality. *J Pediatr (Rio J)*. 2013;89:131–6.

Abstract

Objective: To analyze the correlation between breastfeeding in the first hour of life with neonatal mortality rates.

Methods: The present study used secondary data from 67 countries, obtained from the Demographic and Health Surveys. Initially, for data analysis, Spearman Correlation (95% CI) and Kernel graphical analysis were employed, followed by a Negative Binomial Poisson regression model, adjusted for potential confounders. **Results:** Breastfeeding

within the first hour of life was negatively correlated with neonatal mortality (Spearman's $Rho = -0.245$, $p = 0.046$), and this correlation was stronger among countries with more than 29 neonatal deaths per 1000 newborns (Spearman's $Rho = -0.327$, $p = 0.048$). According to the statistical model, countries with the lowest breastfeeding tertiles had 24% higher neonatal mortality rates (Rate ratio = 1.24, 95% CI = 1.07-1.44, $p < 0.05$), even when adjusted for potential confounders. **Conclusion:** The protective effect of breastfeeding during the first hour of life on neonatal mortality in this ecological study is consistent with findings from previous observational studies, indicating the importance of adopting breastfeeding within the first hour as a routine neonatal care practice. (**Keywords:** Maternal and child health; Breastfeeding; Child mortality; Epidemiologic measurements).

[☆] Esta sección contiene los artículos originales de las Revistas de Pediatría de las Sociedades de Pediatría del Cono Sur. Seleccionados en XIX Reunión de Editores, realizada en Santa Cruz de la Sierra, Bolivia, en noviembre de 2014, para ser publicados por los países integrantes durante el año 2015.

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