Association of Antenatal Care with Neonatal Mortality in Sleman Regency, Yogyakarta

Shania Quency A Waelauruw[1], Muhammad Fatih R Nibras[1], Laila Kinanti A Ramadani[1], Tri Kusuma Wardani[1] Firdaus Hafidz[2]

[1]Program Studi Kedokteran, Fakultas Kedokteran, Kesehatan Masyarakat, dan Keperawatan, Universitas Gadjah Mada,
Jl. Farmako, Senolowo, Sekip Utara, Yogyakarta 55281, Indonesia
[2]Departemen Ilmu Kesehatan Masyarakat, Fakultas Kedokteran, Kesehatan Masyarakat, dan Keperawatan ,
Universitas Gadjah Mada,
Jl. Flora No. 1, Bulaksumur, Yogyakarta 55281, Indonesia

Abstract:

Background: One of the 2015-2030 Sustainable Development Goals (SDGs) targets is to reduce the neonatal mortality rate to 12 per 1,000 live births. In Indonesia, based on the Indonesian Demographic and Health Survey (IDHS) results in 2017, it shows that the Neonatal Mortality Rate (NMR) was 15 per 1,000 live births. Therefore, reducing the neonatal mortality rate will need more effort.

Objective: This study aims to determine the relationship between the completeness of antenatal visits and neonatal mortality in Sleman Regency, Yogyakarta.

Methods: The researchers used secondary data from the 2017 Sleman District/City Health Service data in this study. The dependent variable in this study was the incidence of neonatal death. At the same time, the independent variables in this study were completeness of antenatal visits, number of deliveries assisted by health workers, consumption of routine Fe tablets, and completeness of TT immunization. Data processing and analysis were carried out with the SPSS program, including bivariate and multivariate analysis with Spearman's test.

Results: In this study, there was no significant relationship between neonatal mortality and completeness of ANC visits ($p = 0.788$; $R = 0.057$), birth assisted by health workers ($p = 0.369$; $R = -0.188$), consumption of Fe tablets ($p = 0.289$; $R = 0.221$) and completeness of TT immunization ($p = 0.205$; $R = 0.262$).

Conclusion: In this study, there was no significant relationship between the completeness of antenatal visits and the neonatal mortality rate. Thus, not only recommendations regarding the completeness of antenatal visits, it is necessary to strengthen the quality of antenatal services according to standards. Furthermore, researchers can do further studies on the relationship between neonatal mortality and the components of antenatal examinations and health workers who perform antenatal checks.

Keywords: Neonatal Death, Antenatal Visit, Neonate, Mother

Biography of presenting author

Ms. Shania studied Medicine at the Universitas Gadjah Mada, Indonesia and received her Bachelor degree in 2021. In her university days, she joined the research group of dr. Sumadiono, Sp. A at the Department of Child Health, Universitas Gadjah Mada. She currently pursuing a professional education as a junior doctor in Dr. Sardjito Hospital, Yogyakarta, Indonesia, in affiliation to the Universitas Gadjah Mada.

Details of presenting author to be mentioned in the certificate:

Name: Shania Quency Alexandra Waelauruw
Affiliation: Universitas Gadjah Mada
Country: Indonesia

Other Details:

Presentation Category: (Oral/~~Poster Presentation~~)
Session Name: Women, Adolescent and Children
Email: shaniaquency@mail.ugm.ac.id
Alternative email: shaniaquency@gmail.com
Contact Number: 0811874635
Twitter/Facebook/LinkedIn: -