

Investigating the causes of infant mortality in Ardabil Alavi Hospital during 2019 to 2021

Abstract

Background: Infant mortality accounts for 44% of all deaths among children under five years of age. Meanwhile, 59% of infant deaths are preventable. Understanding the pattern of infant mortality in the country is very important to prevent death. For this purpose, the present study was designed and carried out with the aim of determining the causes of death due to disease in infants in Alavi Hospital, Ardabil, during 2019 to 2021, so that by finding the cause, a step can be taken to reduce it.

Aim: To determining the causes of death due to disease in infants in Alavi Hospital, Ardabil, during 2019 to 2021.

Materials and methods: In this cross-sectional and descriptive study, 143 infant deaths recorded in Alavi hospital in Ardabil between 2018 and 2018 were evaluated. Required information such as demographic characteristics, birth weight, multiple births or singletons, time of death and cause of death of infants were collected by reviewing the patient files in the hospital archives. Relevant information was evaluated by inserting it into SPSS software version 22 based on the objectives of the study.

Results: In total, the data related to 143 cases of infant death were included in the final analysis. 51.7% were boys. The The median age of babies is 32 weeks with a quartile interval of 6 weeks and their average weight was 1473.44 ± 712.35 grams. 27.2% of the babies were the result of multiple pregnancies. The median time of death in dead babies was 2 days with a quartile interval of 5 days. Respiratory distress syndrome had led to 62.9% of neonatal deaths, and after that, sever premature birth and sepsis were the most common causes of infant mortality.

Conclusion: The demographic composition of the dead babies was similar in most of the studies, and premature babies and boys accounted for most of the deaths. Premature infant deaths related to the first week were the most common times of infant death. Respiratory distress syndrome and sever premature birth were among the most common causes of infant death, which indicates the need to take special measures to care for these infants in the first days of life.

Keywords: mortality, babies, premature birth.