# Assessment of Morbidity and Mortality Profile of NewBorns admitted at SNCU Departments of 3 District Hospitals of Ahmedabad Municipal Corporation,Gujarat.

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# Introduction

- SNCU is the neonatal unit in the vicinity of Labour room which will provide special care all care except assisted ventilation and major surgery for sick newborns. Any facility with more than 3000 per year should have an SNCU. criteria for admission in SNCU are:

| | |
|---|---|
| • Birth Weight | -Hypothermia<35.4C |
| • Large Baby | -Hyperthermia>37.5C |
| • Perinatal asphyxia | -Apnea/Gasping |
| Central Cyanosis | -Coma, Convulsions |
| • Refusal to feed | -Shock |
| • Respiratory Distress | -Abdominal Distension |
| • Severe Jaundice | -Bleeding |
| • Diarrhoea/Dysentery | -Major Malformations |

# Rationale

- In Ahmedabad Municipal Corporation, last few years no study has been conducted on Neonatal Morbidity and mortality and in order to initiate any intervention it was necessary to assess morbidity and mortality profile of newborns admitted at SNCU of District Hospital.

# Research Question

- What is the morbidity and mortality status of inborn and outborn newborns admitted at SNCU Departments of 3 District Hospitals of Ahmedabad Municipal Corporation, Gujarat?

# Objective

- To assess mortality and morbidity status of inborn and outborn patients admitted at SNCU Departments of 3 District Hospitals of Ahmedabad Municipal Corporation,Gujarat.

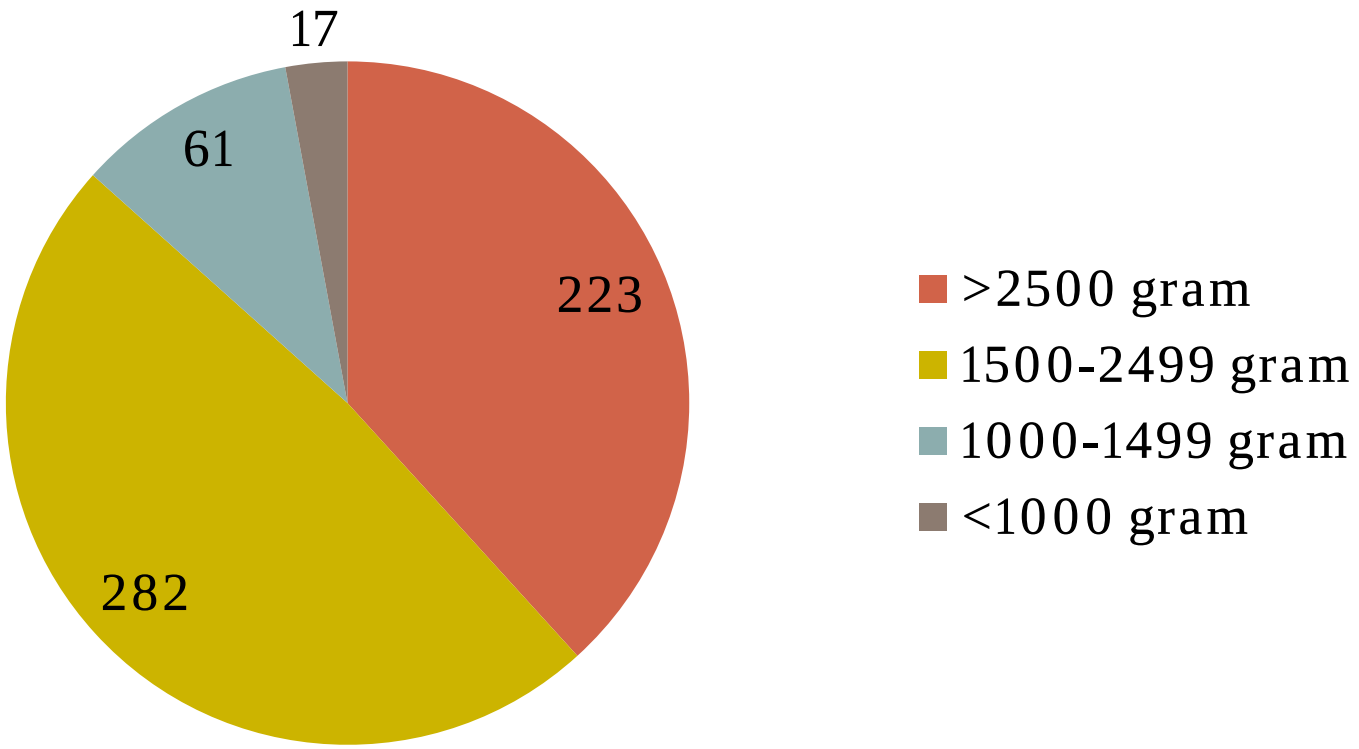
# Research Methodolgy

- Study Design: Descriptive in Nature.
- Study Duration: February to April 2017.
- Study Area: The study was conducted in SNCU Departments of 3 District Hospitals of Ahmedabad Municipal Corporation.
- Study Participants: Inborn and outborn Newborns admitted at SNCU Departments of 3 District Hospitals

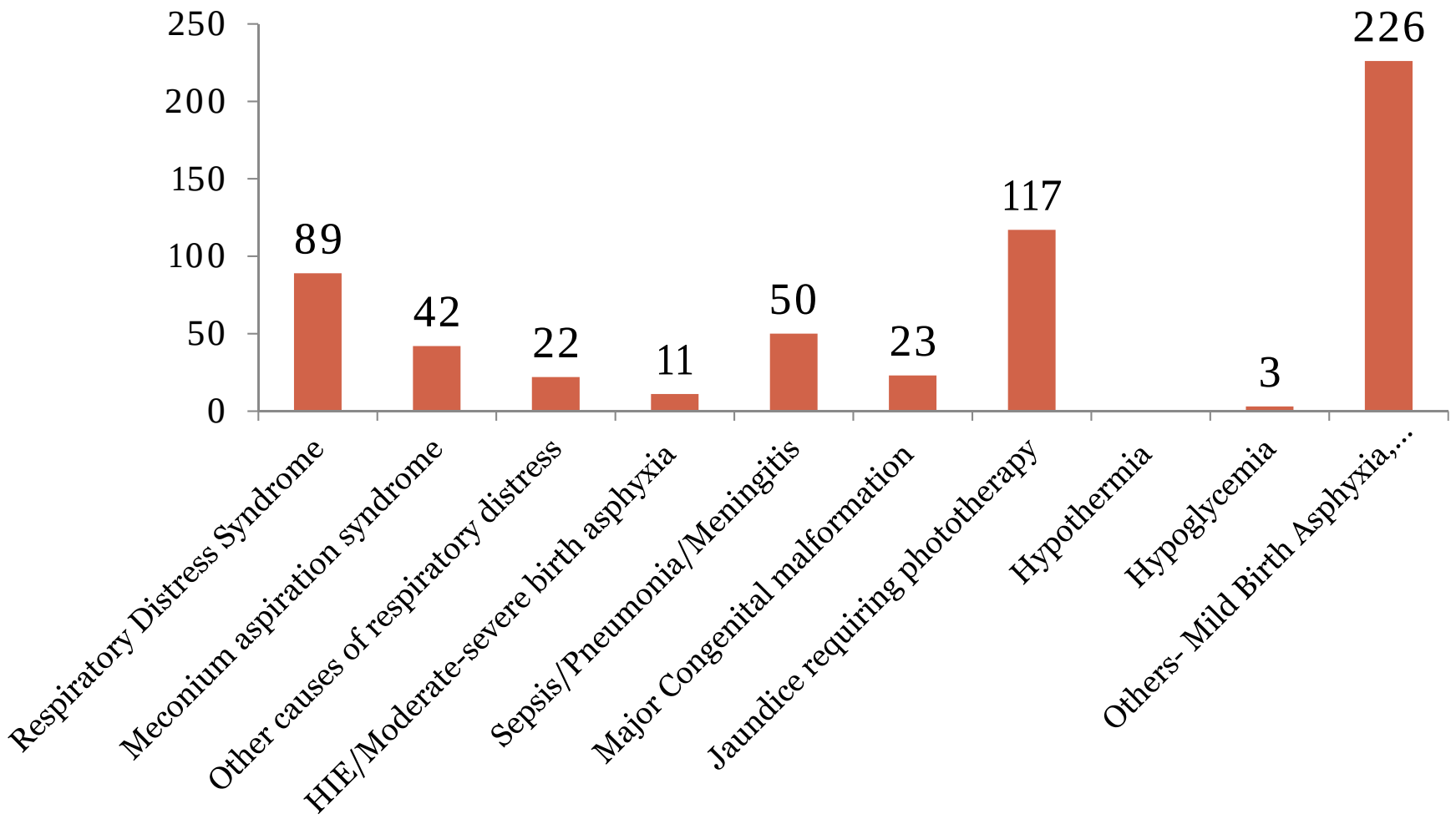
# Research Methodolgy(Cont..)

- Sampling Technique :Convenient Non Probability Sampling is used for study.
- Sample Size:583 Newborns(373 inborns and 210 utborns)
- Data Collection Process: Data is collected during Hospital visits through semi structured questionnaire and responses were recorded.

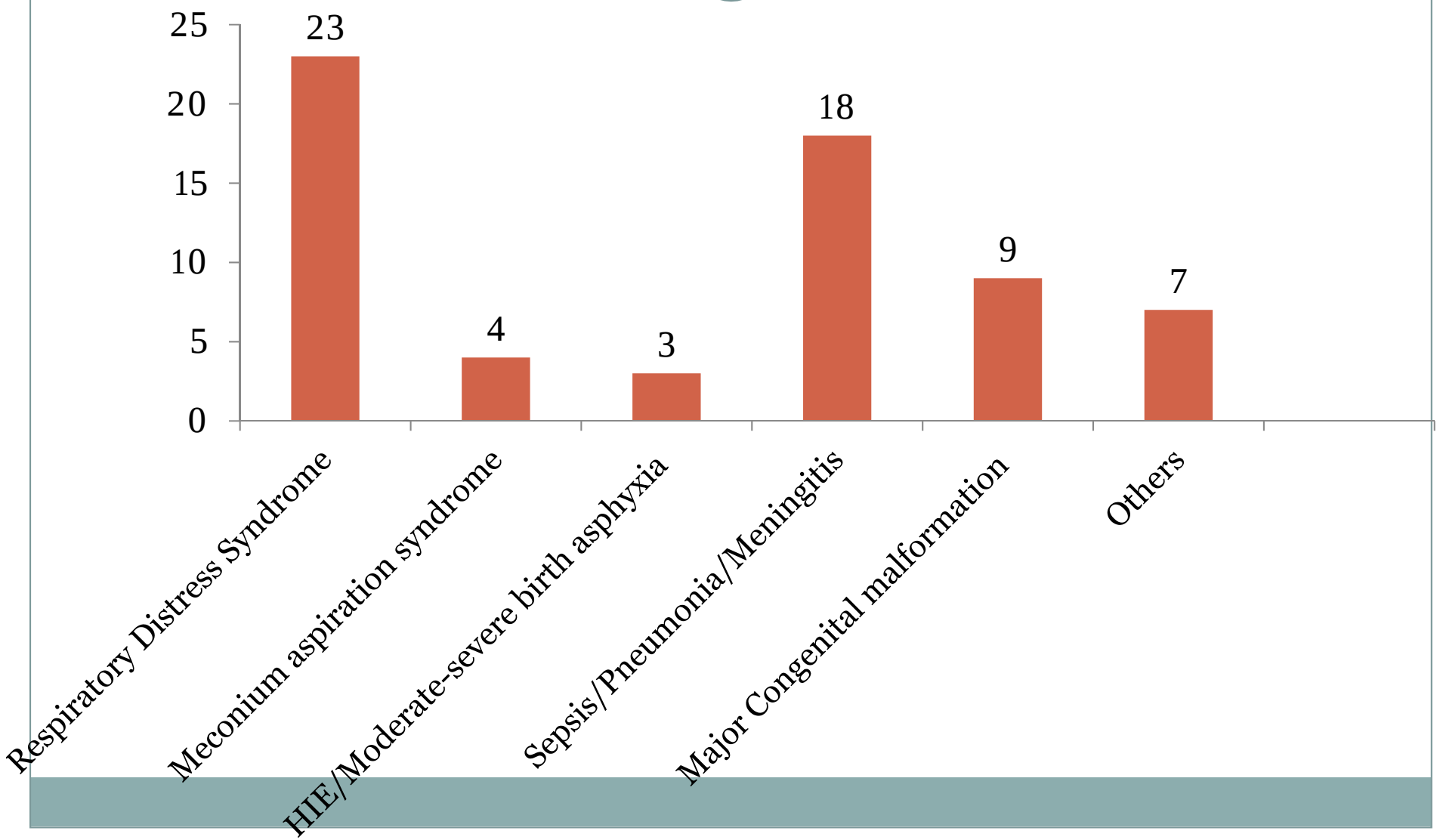
# Birth Weight of SNCU admitted Newborns



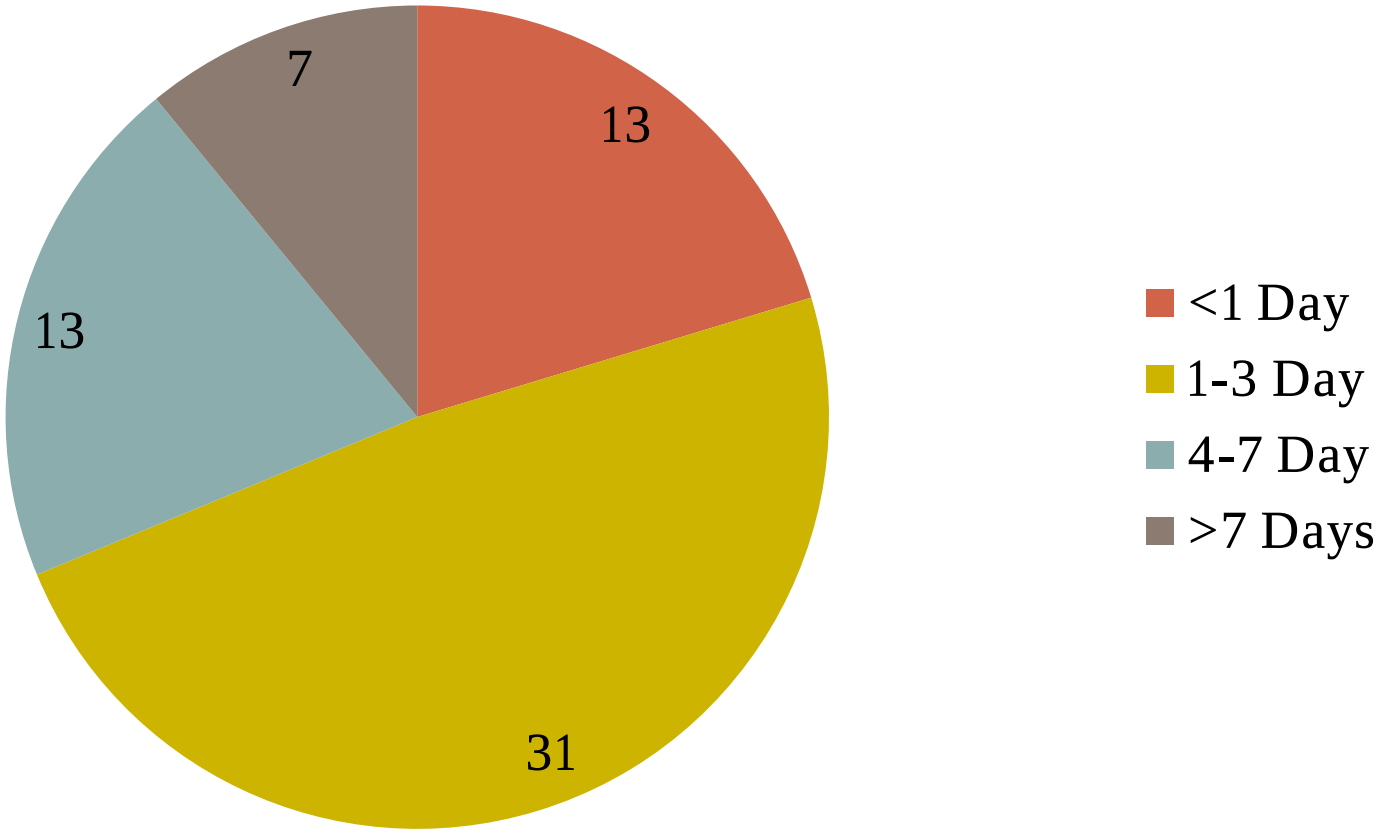
# Morbidity Profile of SNCU admitted Newborns(Figure in No)



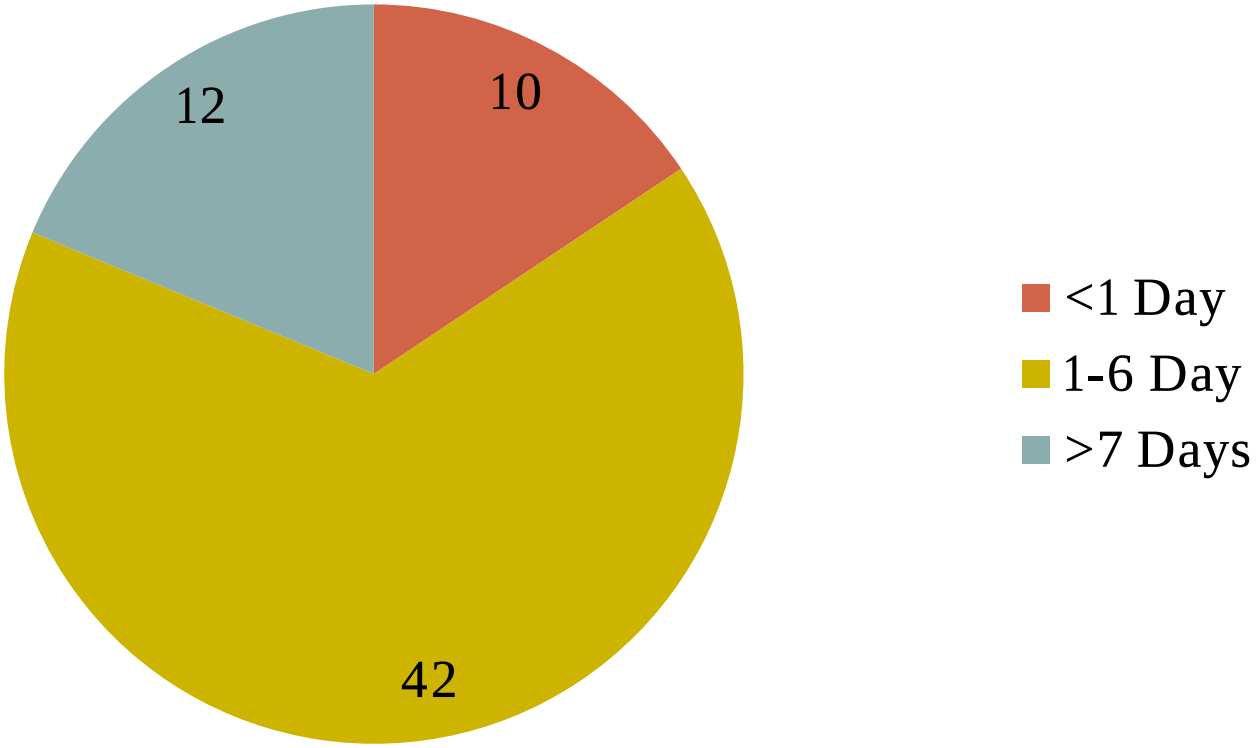
# Mortality Profile of SNCU admitted Newborns(Figure in No)



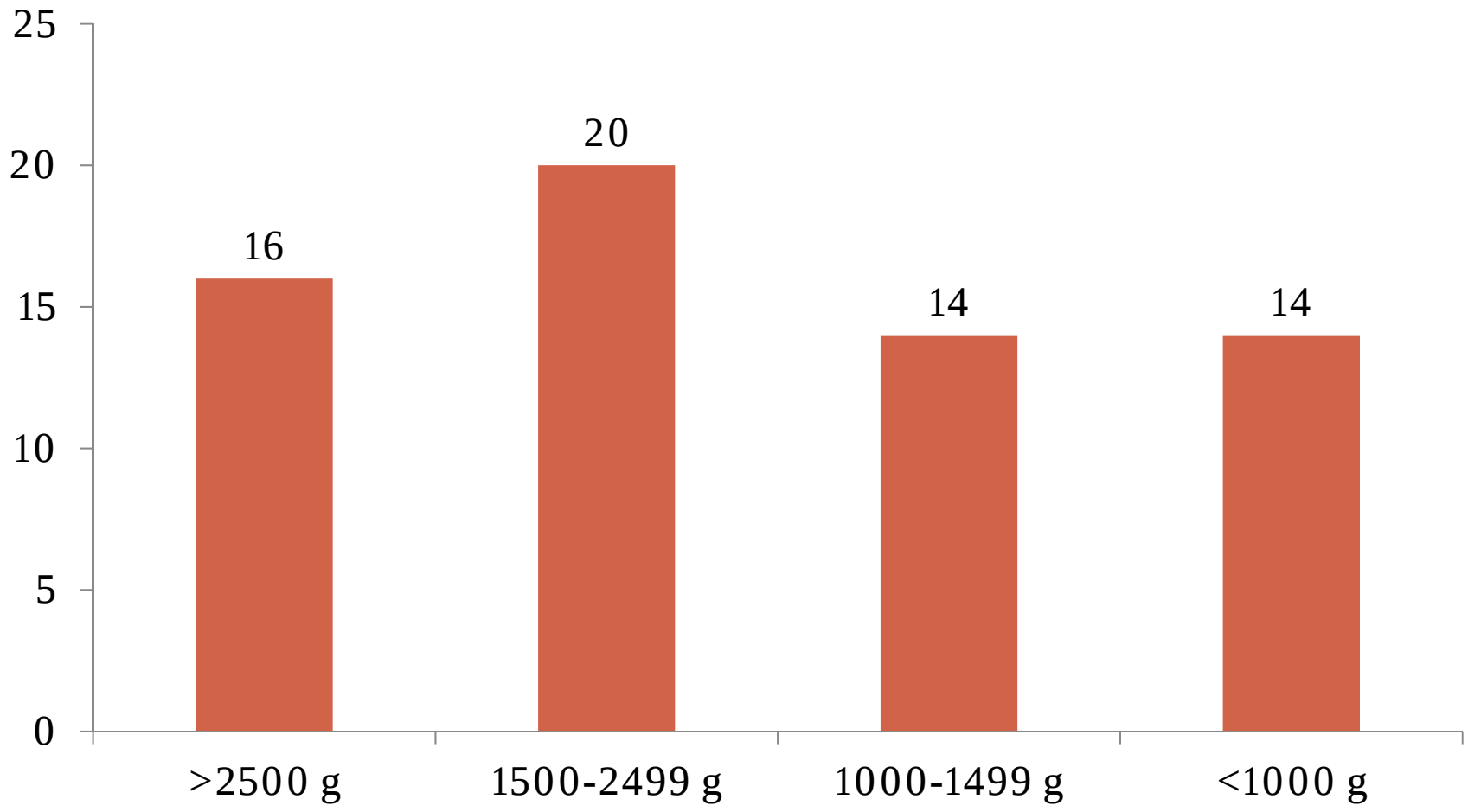
# Duration between SNCU admission and Death of Newborns



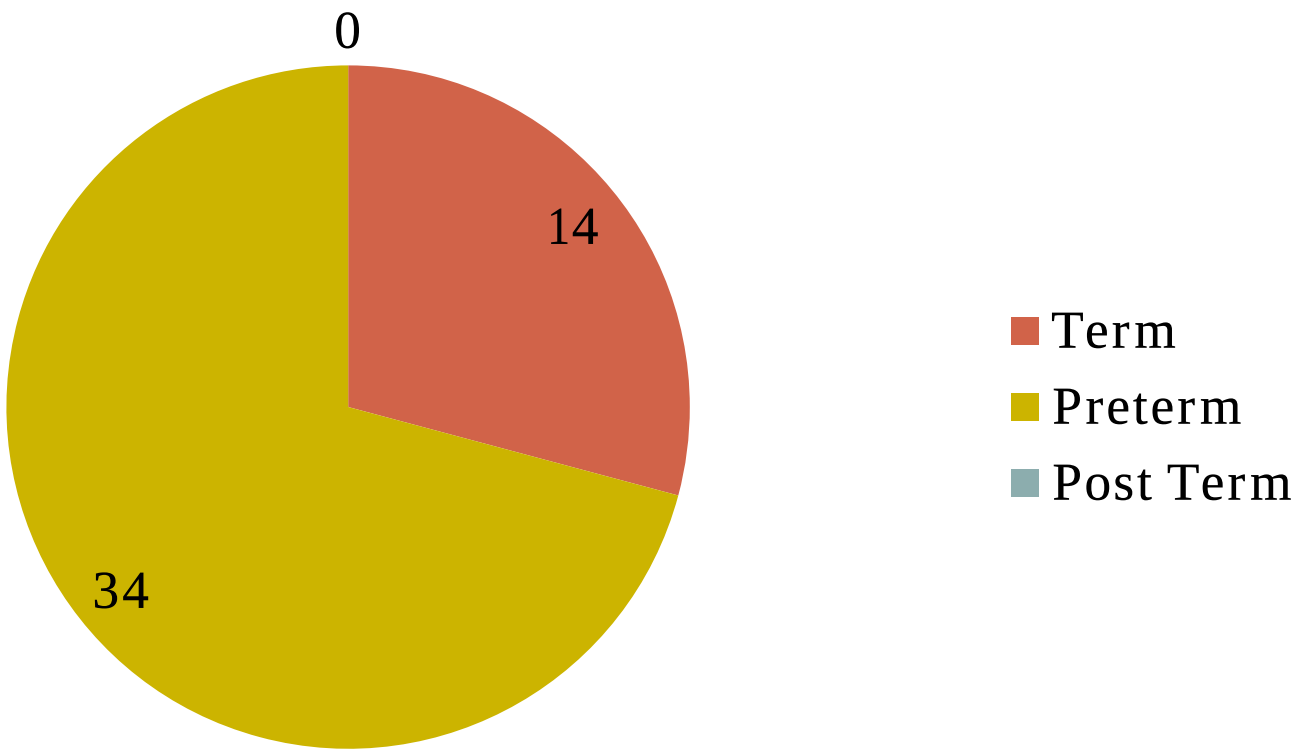
# Age of newborn at Death



# Weight of newborn at Death(Figure in No)



# Gestation Period of dead Newborns



# Conclusion

- 48% of Newborn were low birth weight,11% were very low birth weight and 3% were extreme low birth weight at time of admission in SNCU Department.
- 39% of SNCU admitted Newborns were suffering from Birth Asphyxia and Lactation Problem and 15% of Newborns were suffering from RDS.
- 36% of the Newborns were died because of Respiratory Distress Syndrome.
- 49% of newborns were died within 1-3 Day of admission and 20% were died within less than 1 day.
- 81% of Newborns die within Early Neonatal Period of their life.
- 71% of the newborns were preterm among died.

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