

**Aetiological Pattern,  
Biochemical Evaluation and  
Outcome of Acute Viral  
Hepatitis in Pregnancy**

Dr. Fazle Rabbi Mohammed

Prof. H.A.M. Nazmul Ahasan

Department of Medicine, Dhaka Medical College Hospital.

# INTRODUCTION

- ◆ Greater mortality and morbidity was detected in acute viral hepatitis (AVH) during pregnancy.
- ◆ Acute hepatic failure (AHF) is particularly common in pregnancy with hepatitis E through out the world with a fatality rate up to 20%.
- ◆ Hepatitis B is rising alarmingly in all groups of people.

# Aims of this Study

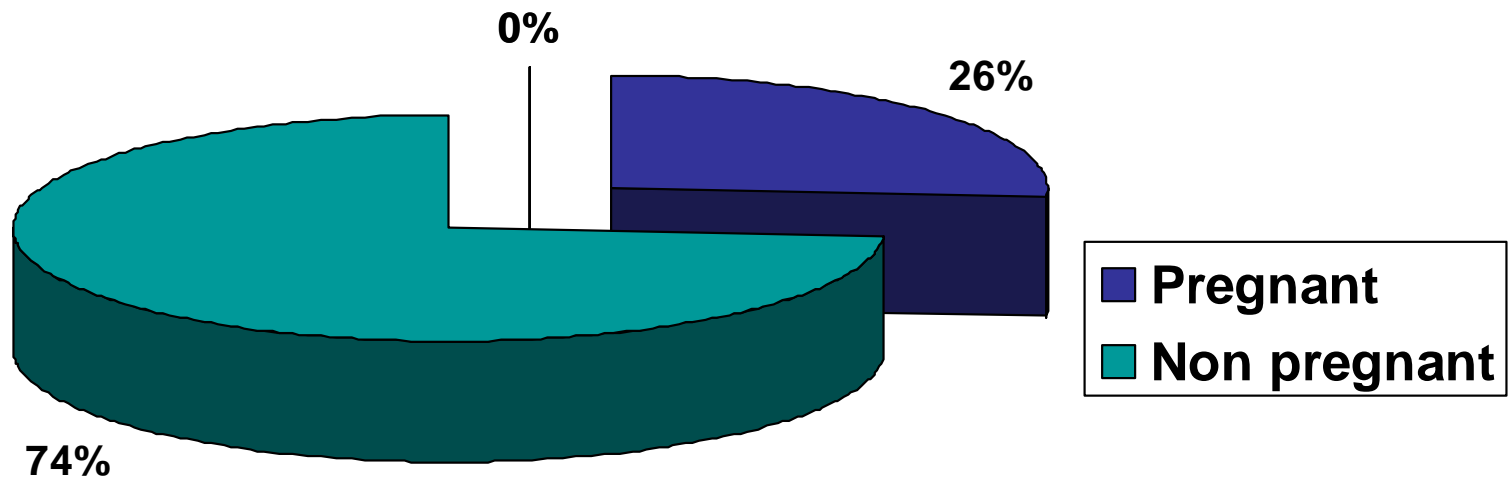
To explore the serological pattern, biochemical evaluation, complications and outcome of AVH in pregnant & non pregnant cases including both male & female.

# Methods

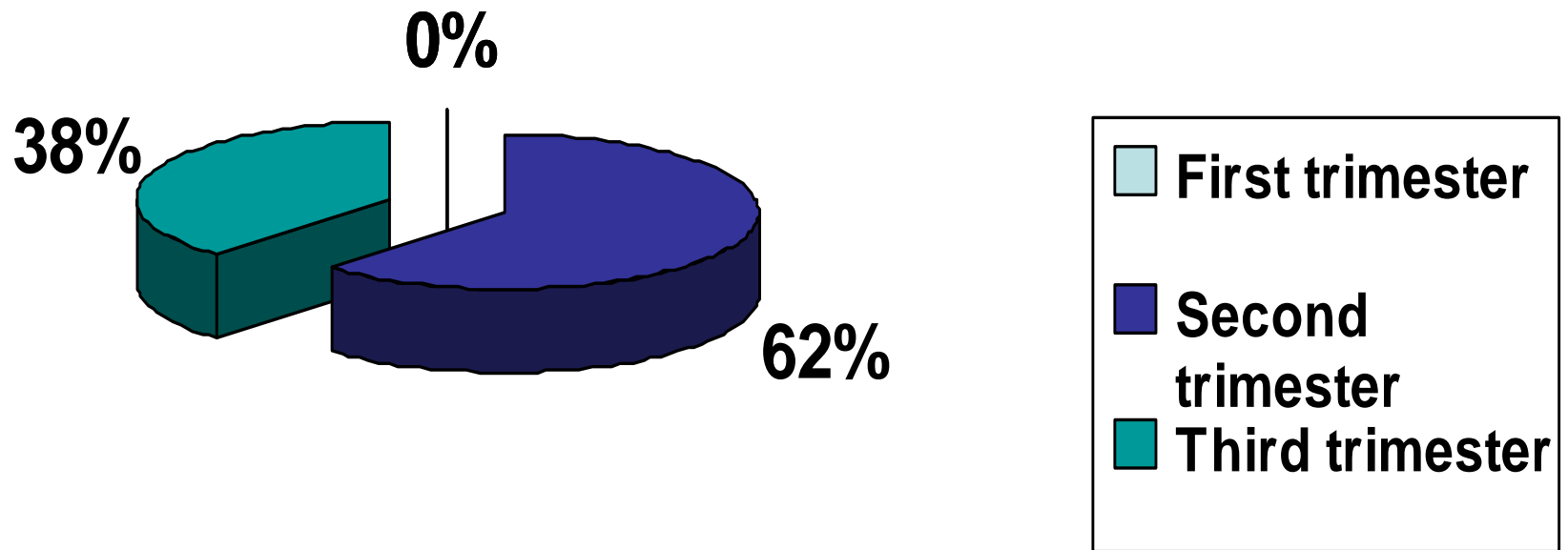
- ◆ Type of Study: Open labeled observational study.
- ◆ Study Population: Fifty Patients irrespective of their age and gender.
- ◆ Duration & Place: September, 2008 to February, 2009 in DMCH.
- ◆ Clinical, Biochemical & Serological evaluation was performed in each cases.

# RESULTS

# Ratio between pregnant & non pregnant (male & female) cases (1:2.85)

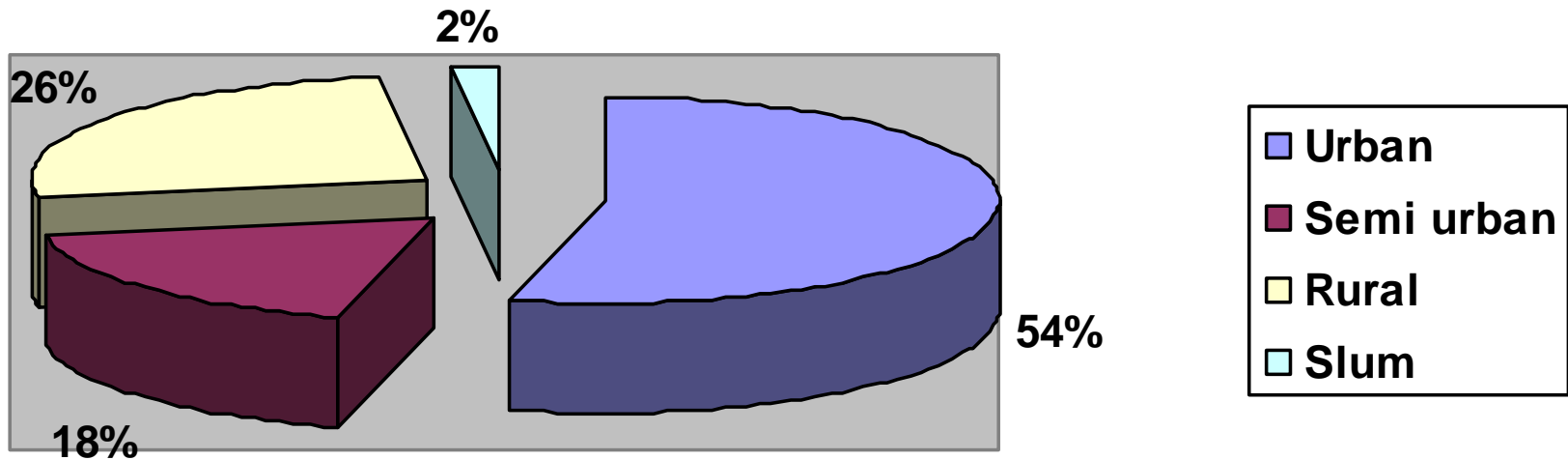


# Distribution of pregnant patients on the basis of gestational age (n=13)

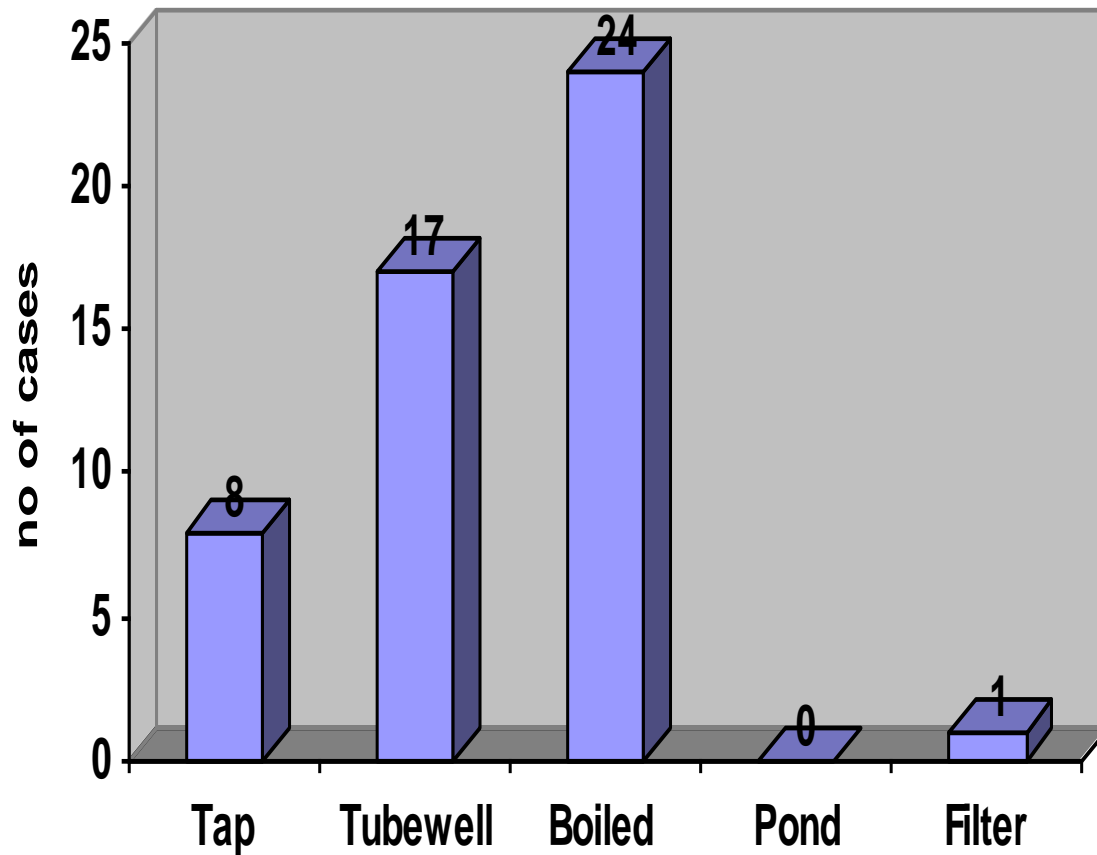




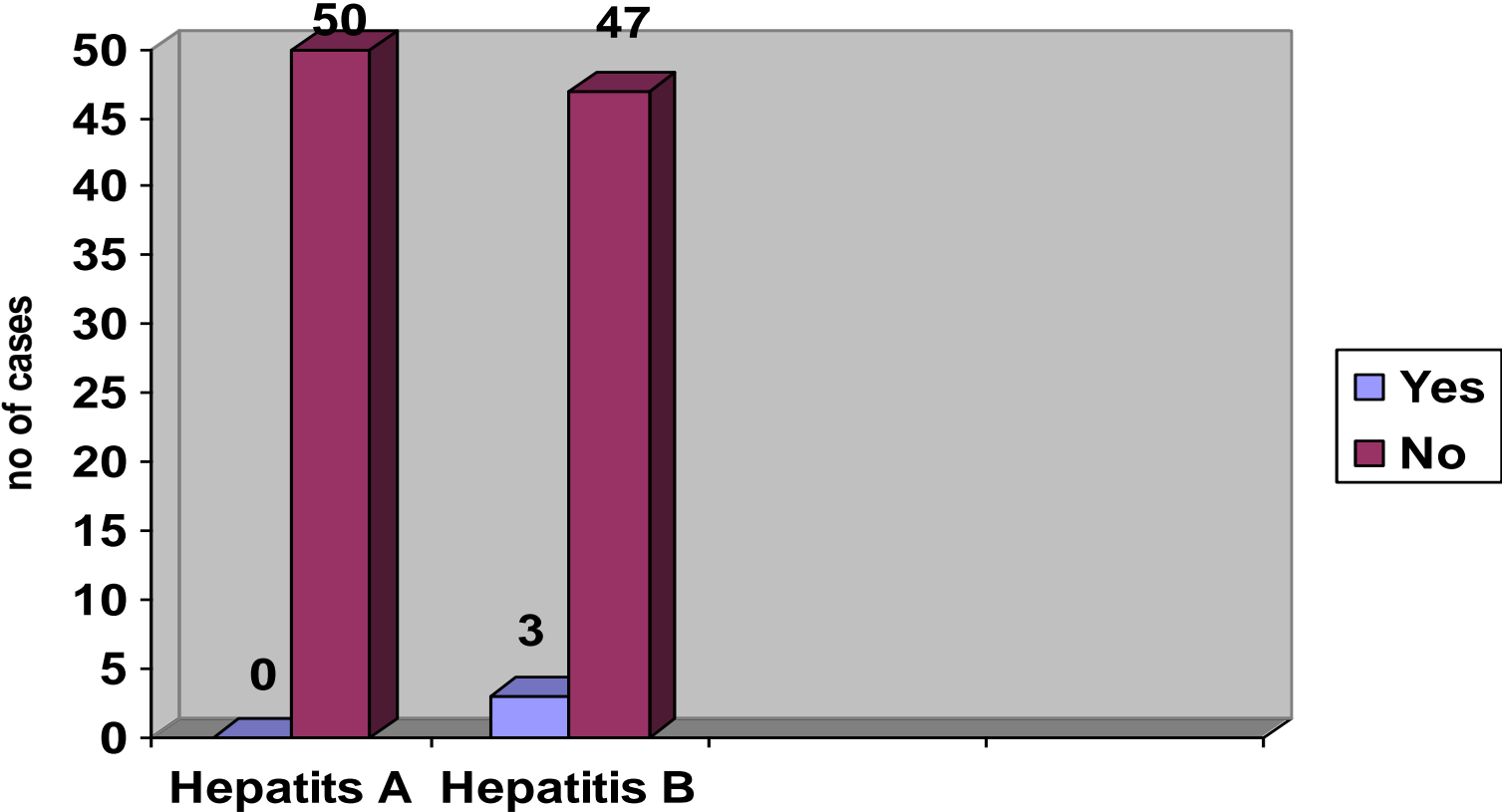
# Distribution of patients according to their residential status (n=50)



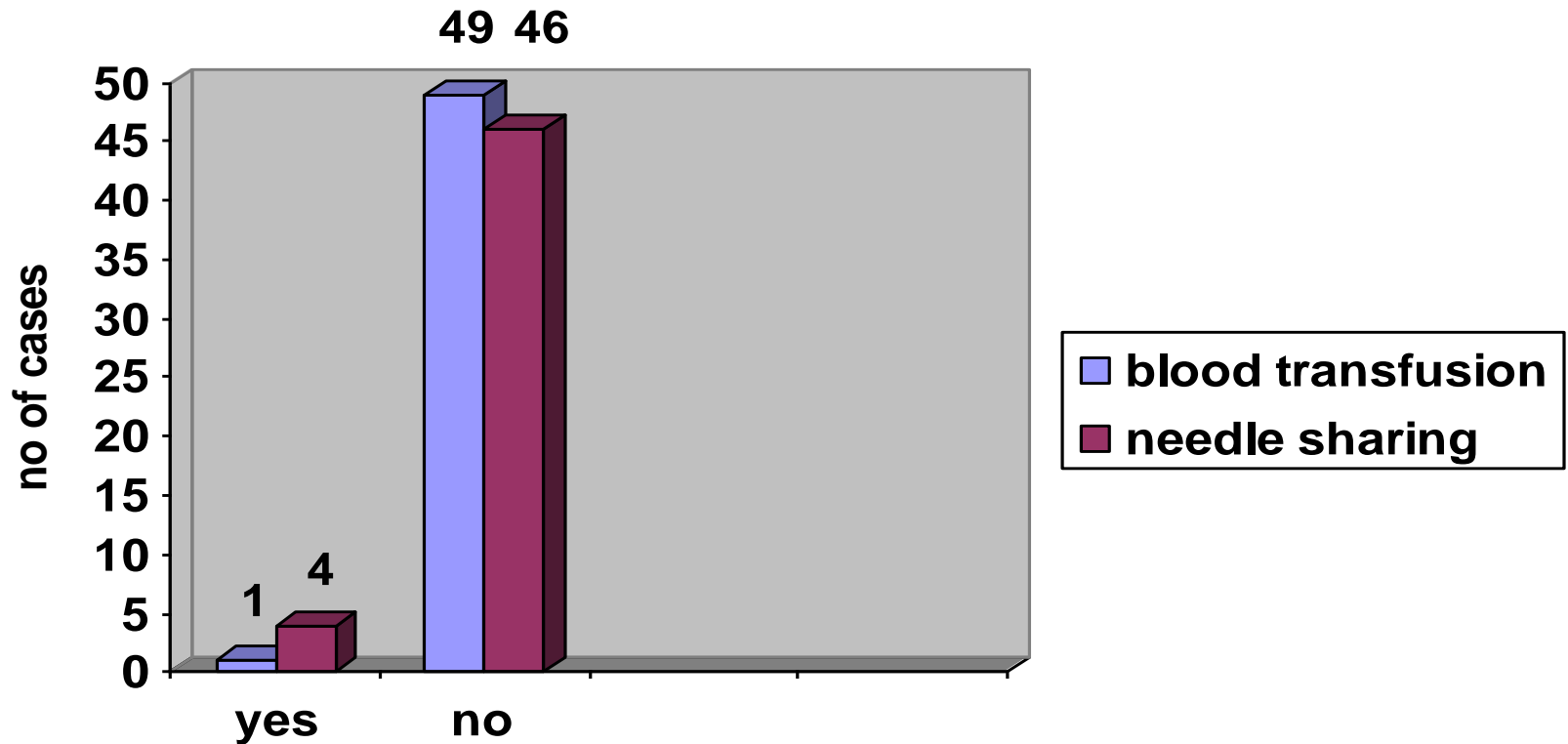
# Distribution of patients according to their source of drinking water (n=50)



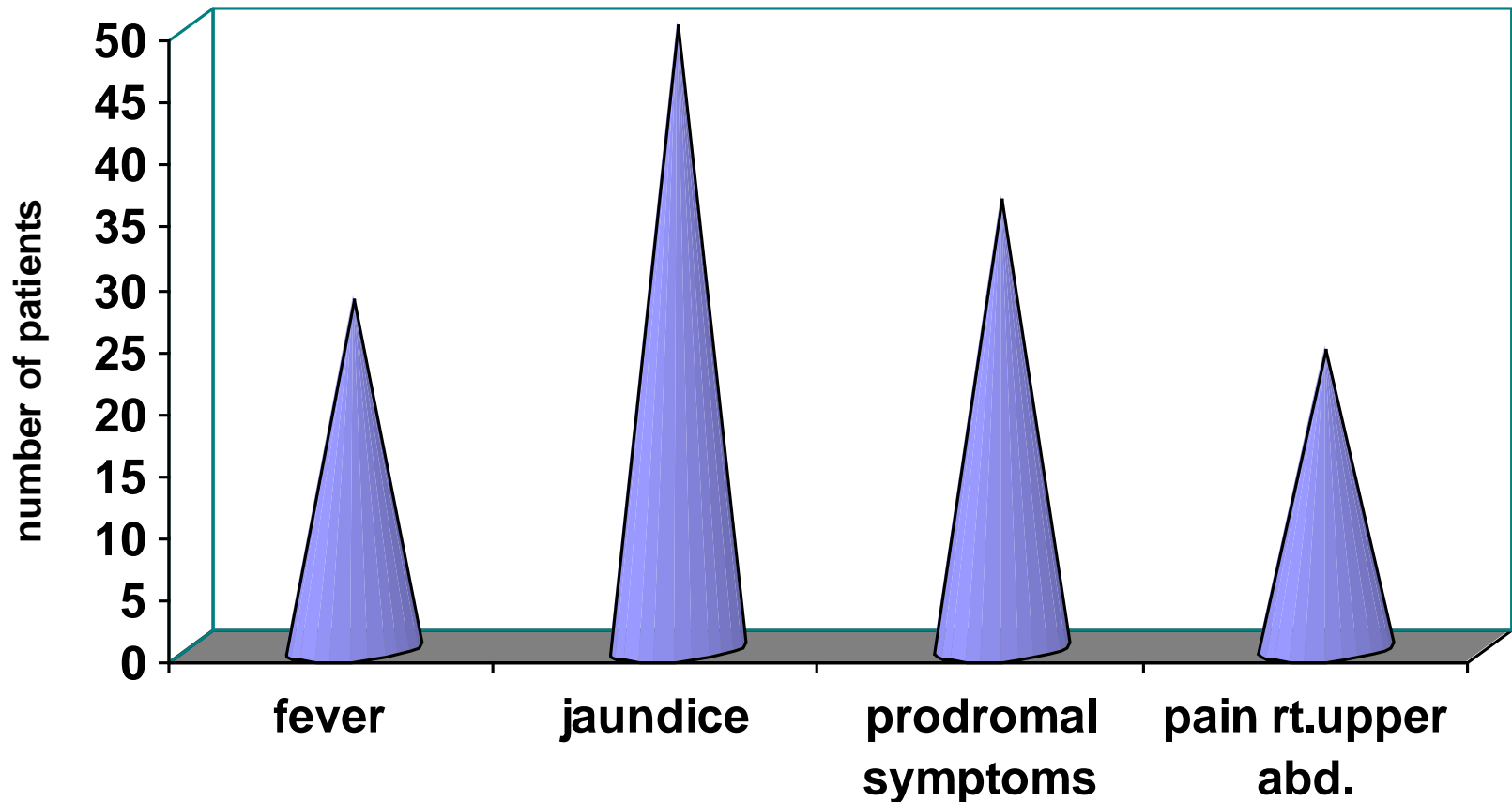
# Distribution of patients vaccinated with hepatitis B and hepatitis A virus (n=50)



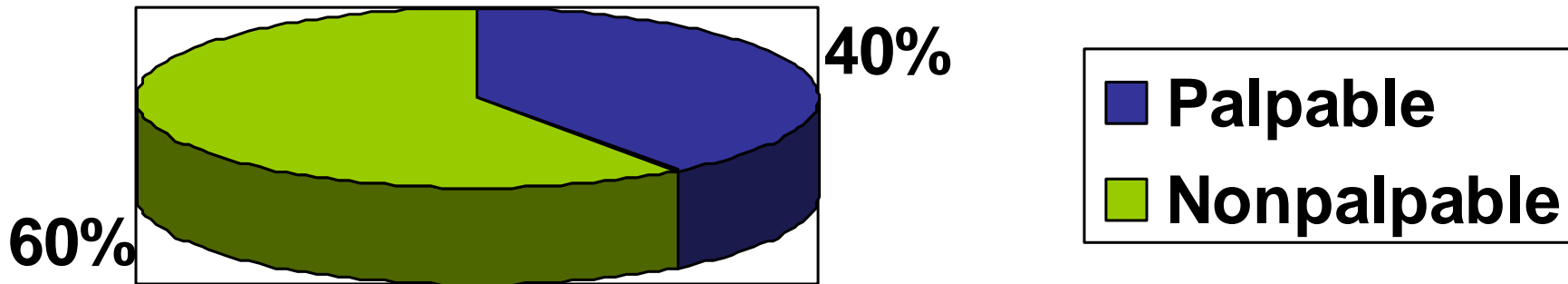
# Distribution of patients according to the history of blood transfusion, needle sharing or promiscuity (n=50)



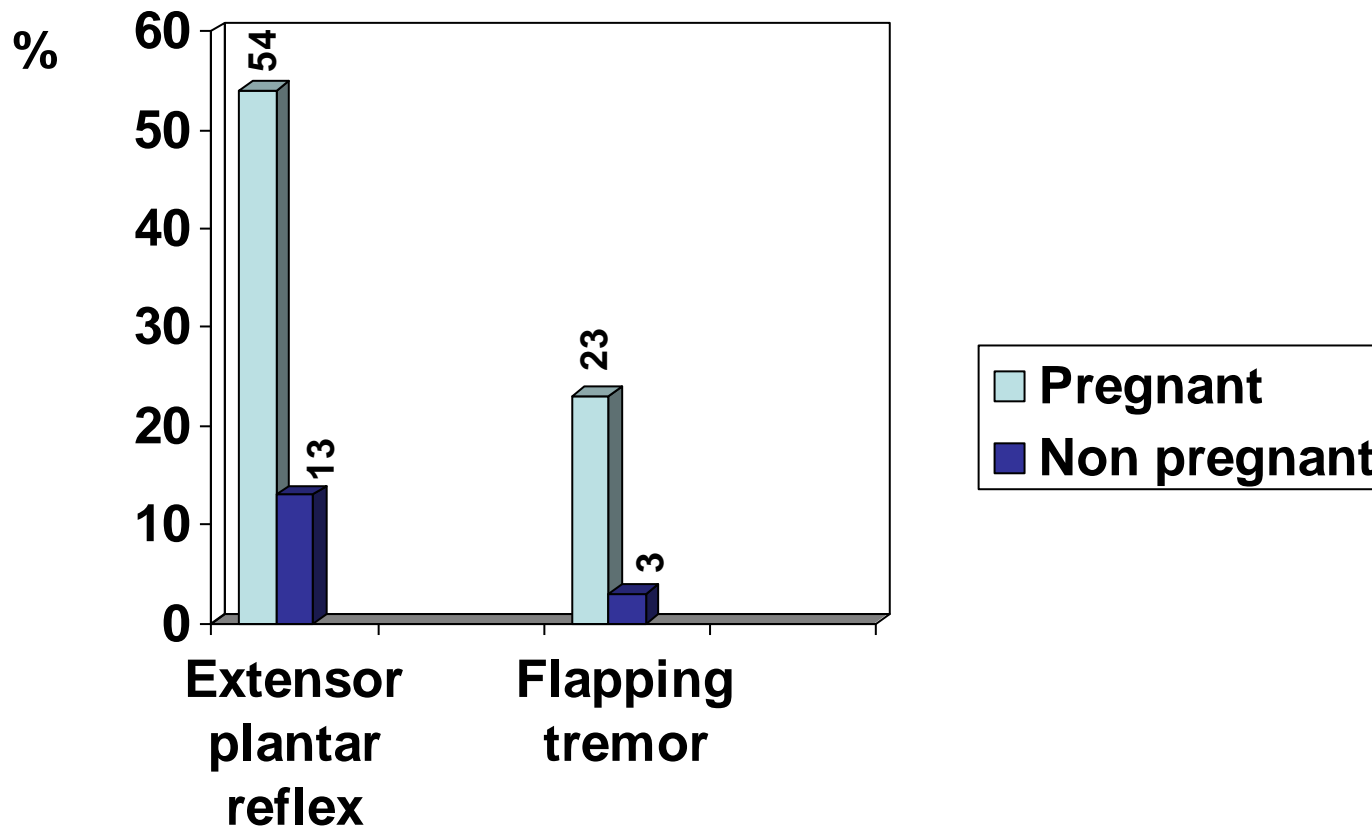
# Distribution of cases (in number) presented with different complaints (n=50)



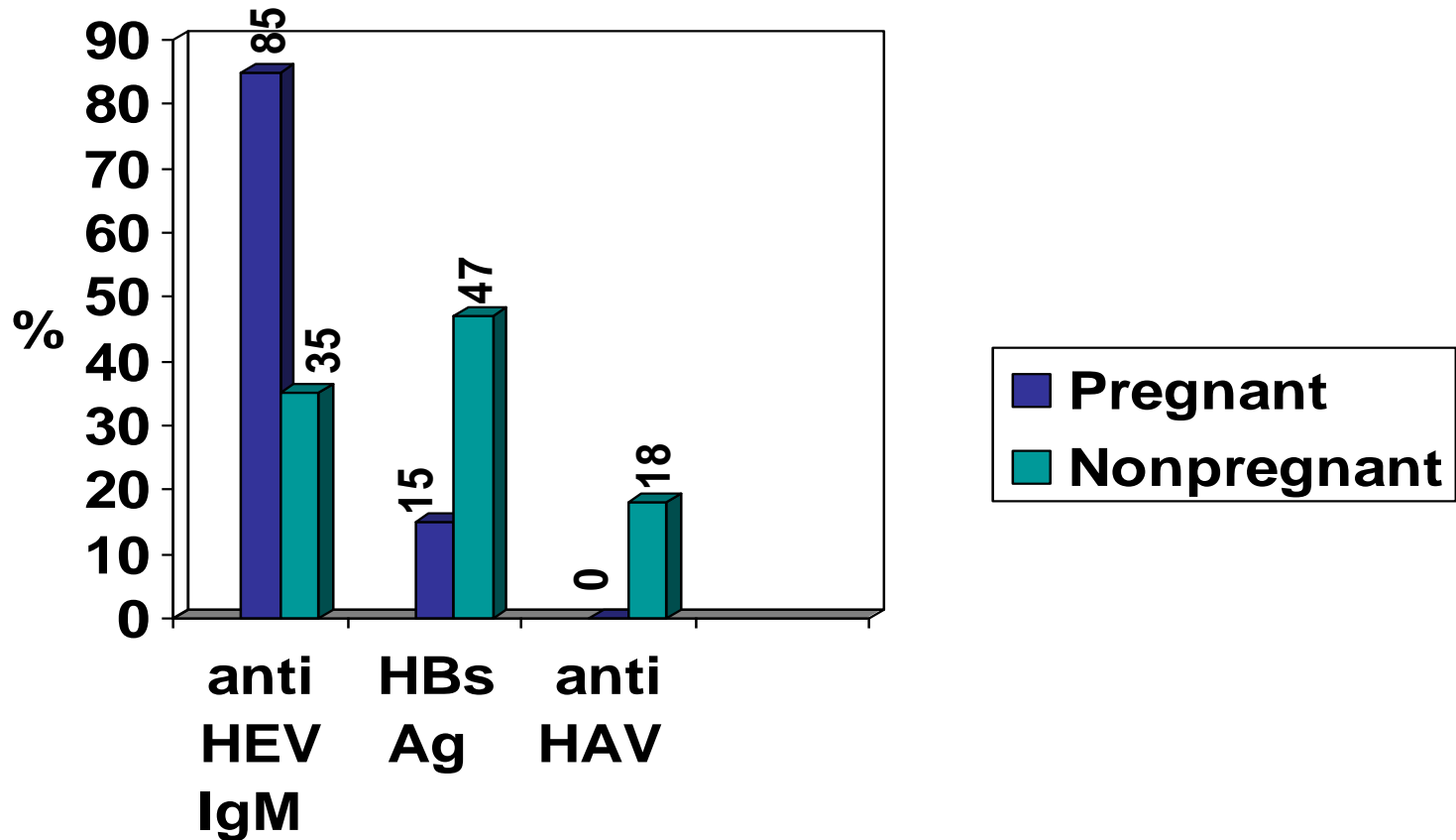
# Distribution of patients according to palpable liver (n=50)



# Distribution of patients according to physical signs (n=50)

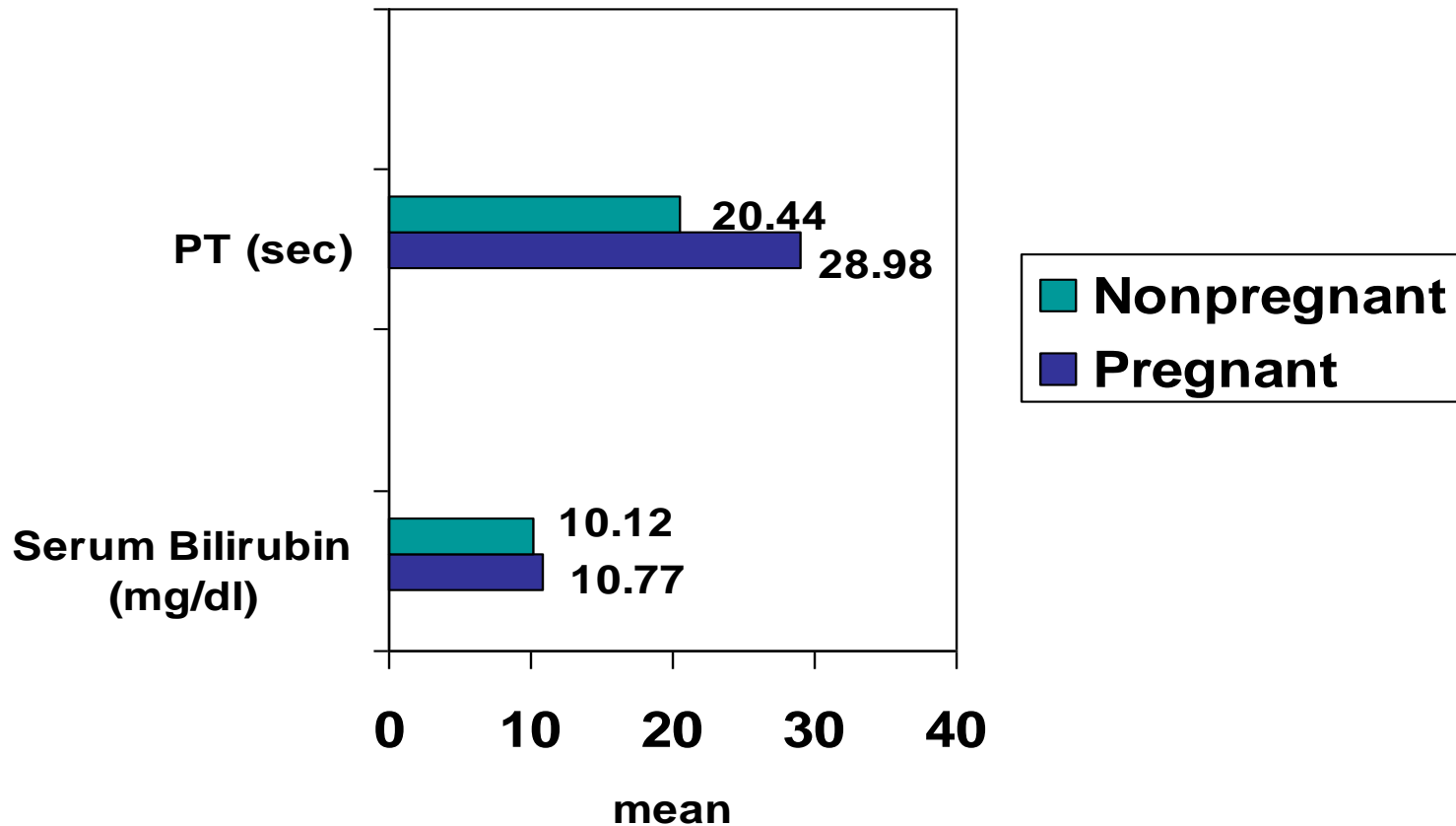


# Different viral markers among pregnant & non pregnant cases

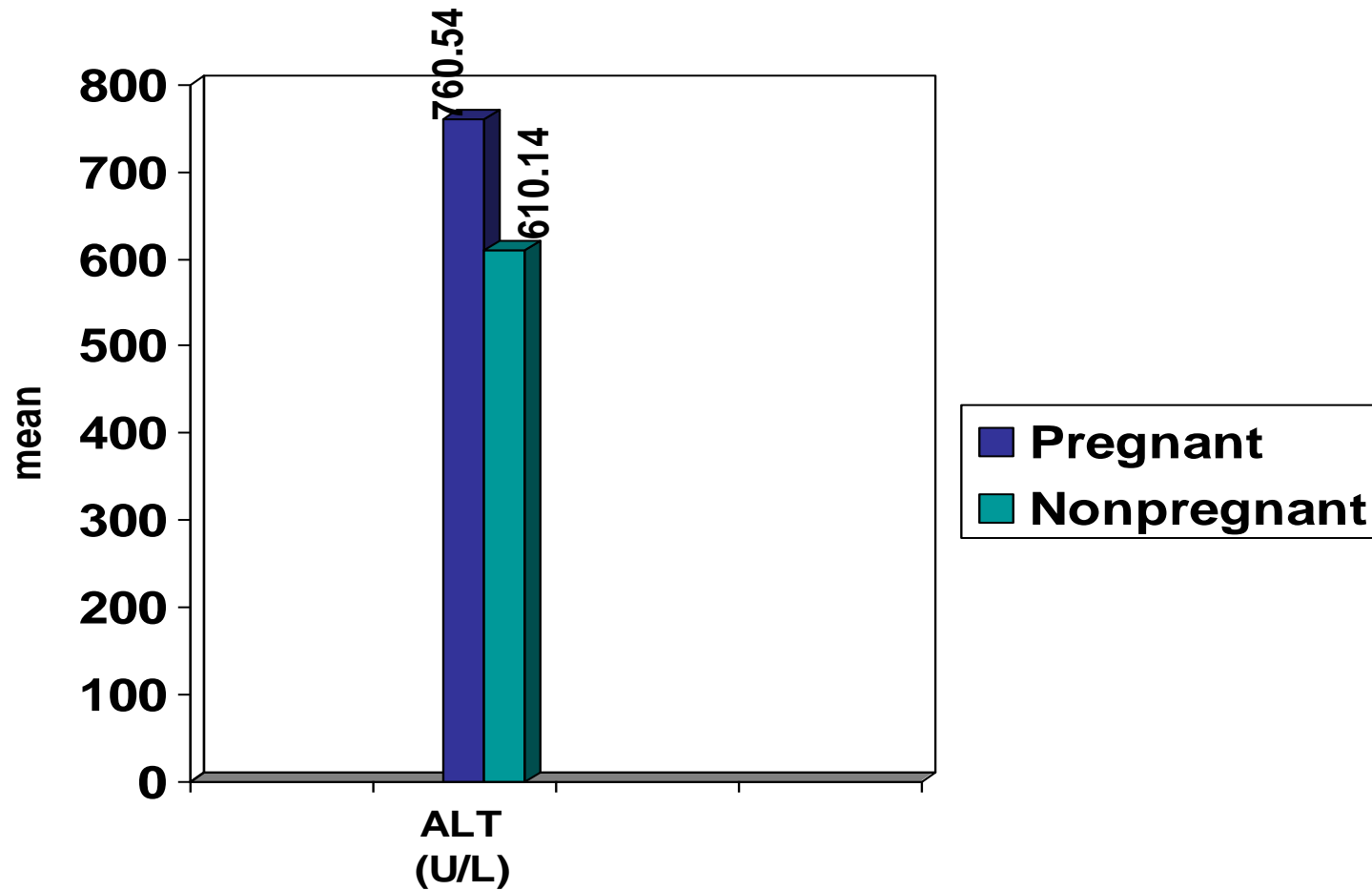




# Report of different biochemical investigations among pregnant & non pregnant cases

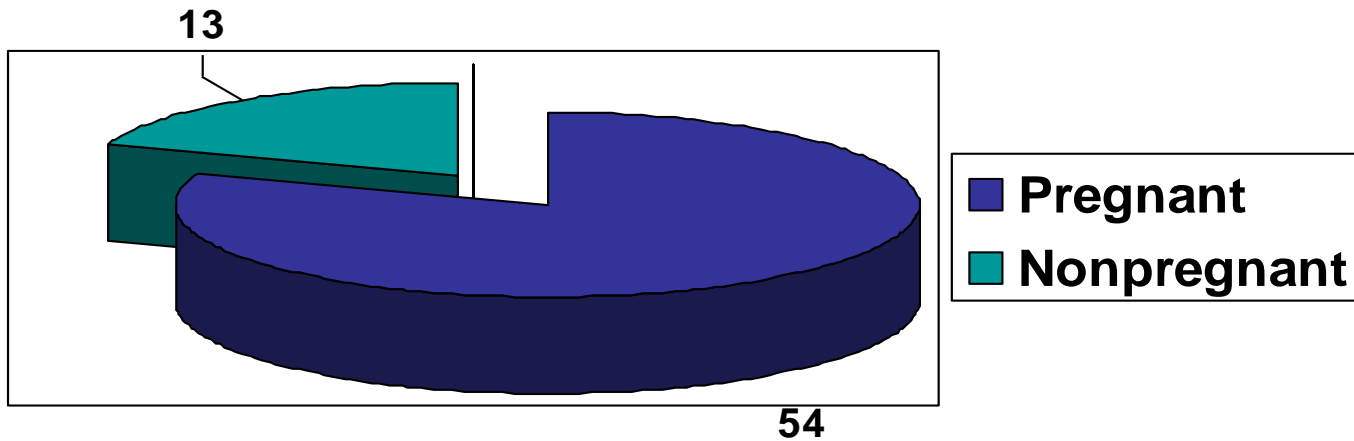


# Report of ALT among pregnant & non pregnant cases

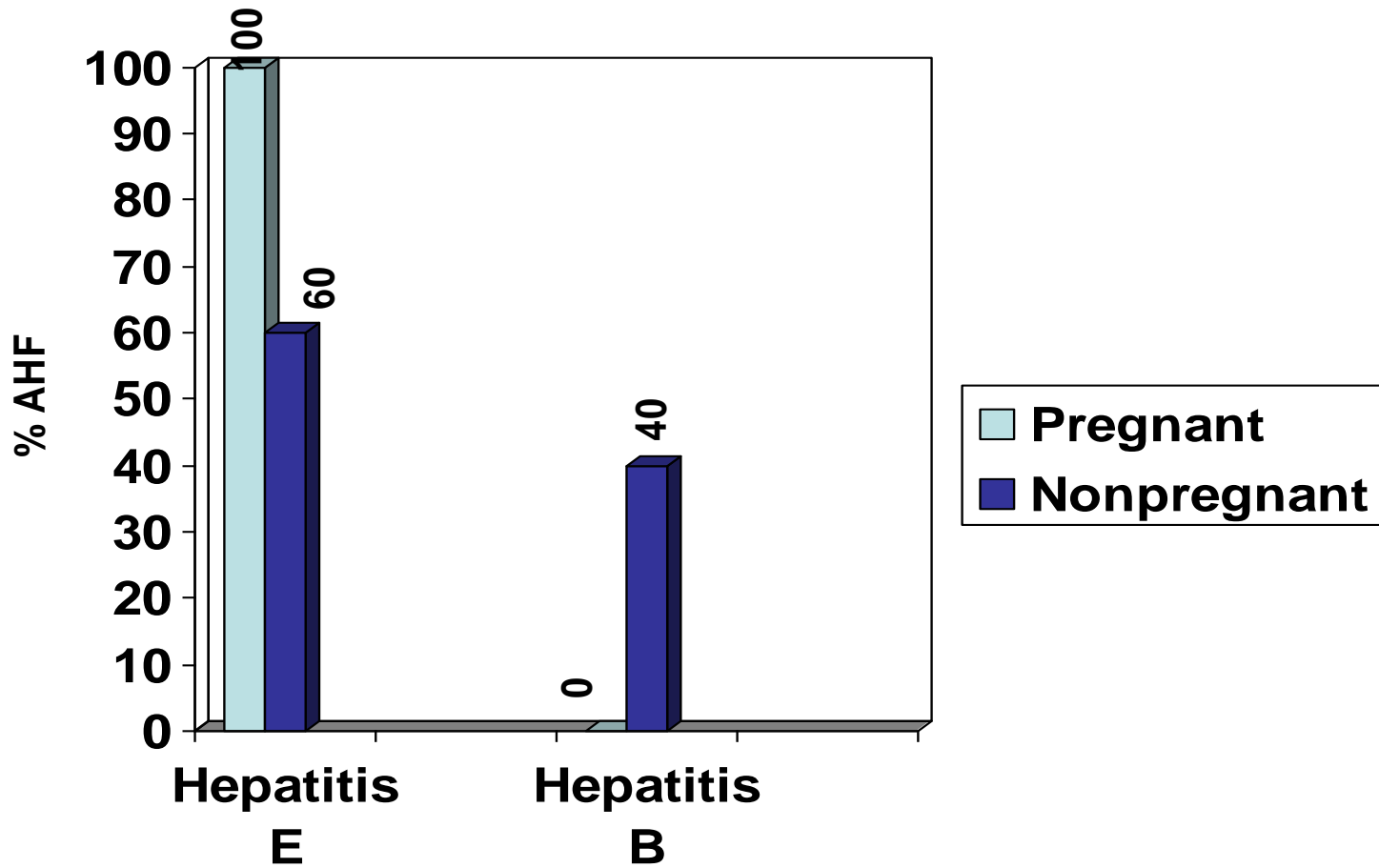


# AHF among pregnant & non pregnant cases

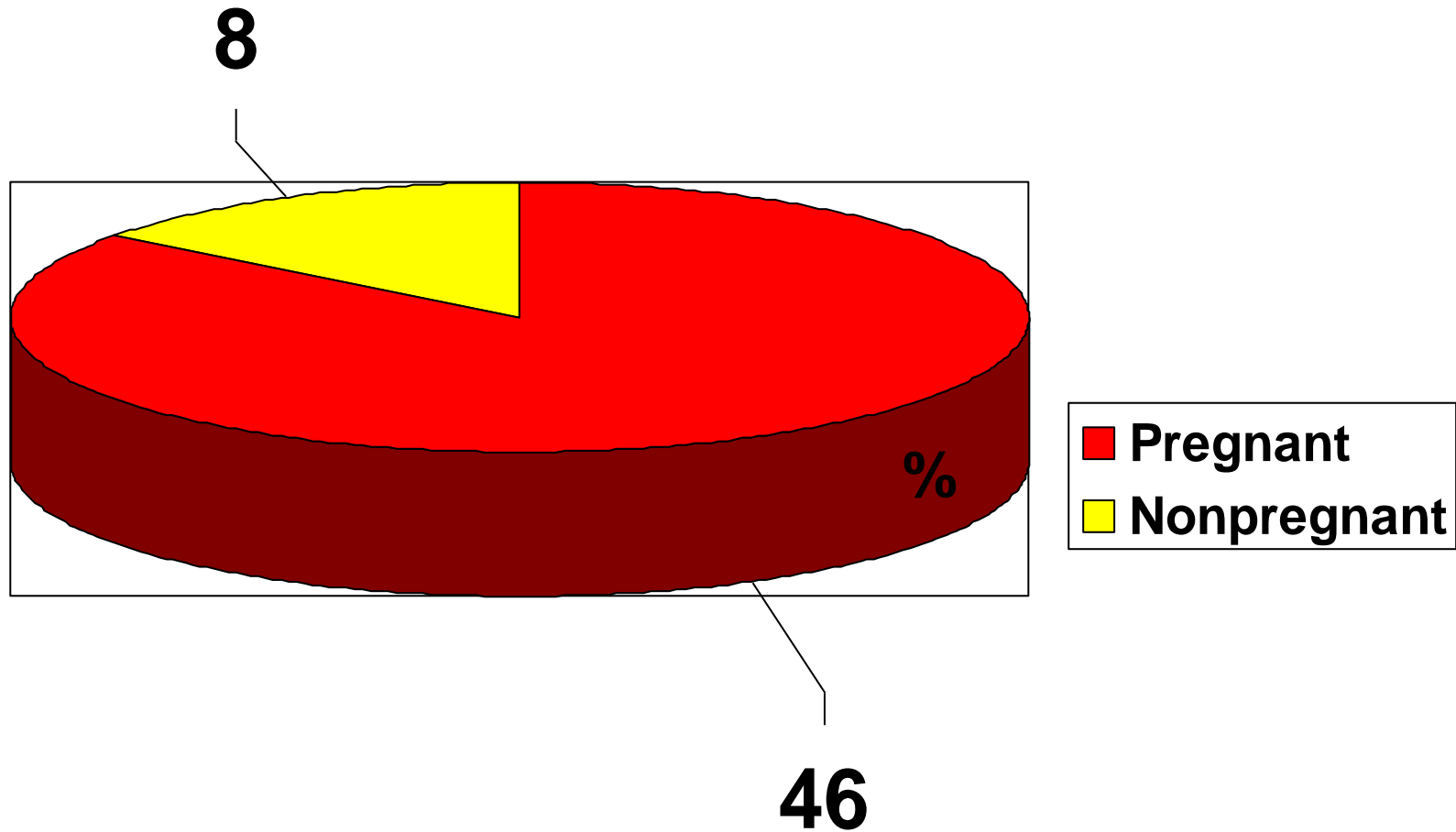
**% AHF**



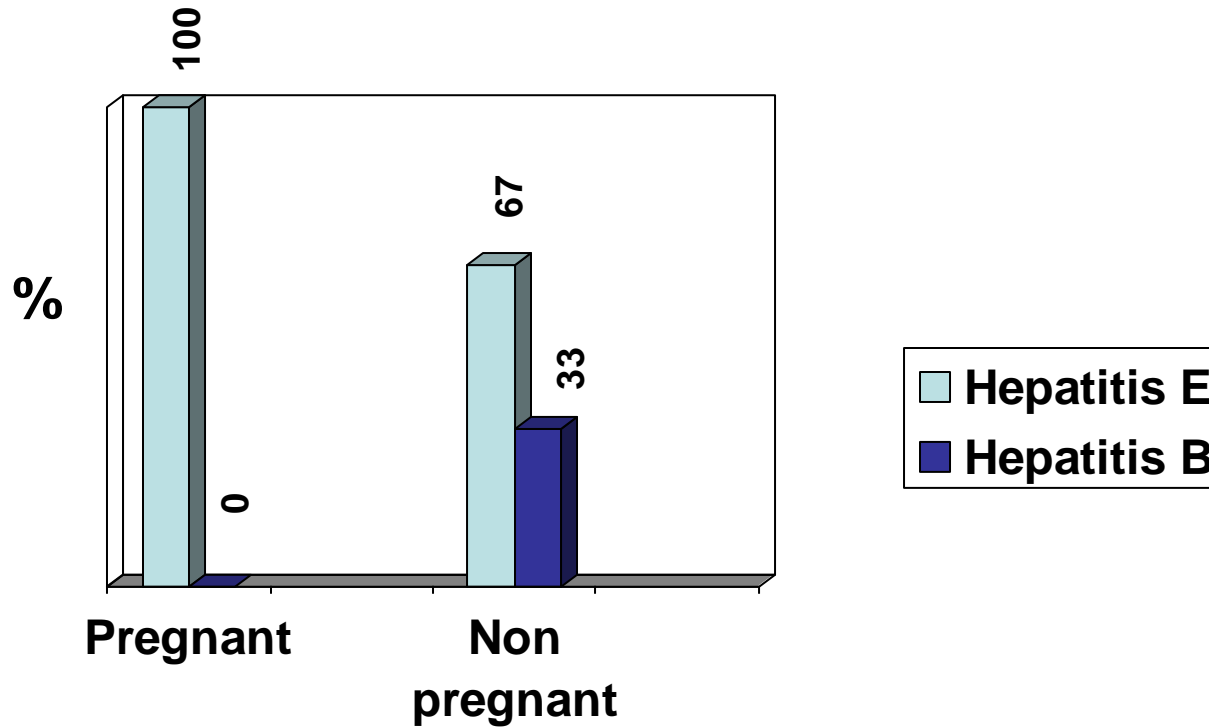
# Type of hepatitis among AHF cases



# Death rate among pregnant & non pregnant patients



# Type of Hepatitis among expired cases



# Conclusion

In this study, the death rate of Hepatitis E in pregnancy was well above the rate found in the developed world (46% vs 20%).

THANK YOU