

# Cross Sectional Study to Determine the Knowledge of community about Epilepsy and How to Deal With Its Seizures in Riyadh 2014

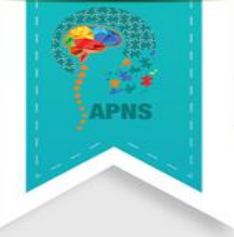
Abdulrahman Alhomoud  
Medical Student

# Background



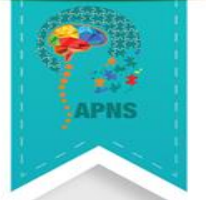
- ❖ Epilepsy is a chronic disorder of the brain that affects people of all ages.
- ❖ It affects more than 50 million people in the world
- ❖ Approximately 80% of them live in low- and middle-income countries
- ❖ The prevalence of epilepsy in Saudi Arabia is **6.54 per 1000**

# Aim of the study



- ✓ **The aim of this study is to obtain baseline data on the knowledge, attitudes and practice of community towards epilepsy**

# Methods



## *A cross-sectional, survey study*

- **Study design:** Multi-stage random sample taken from students from several colleges
- **Study population:** Students of Imam University, Riyadh, Saudi Arabia
- **Sample size :** 532 Participants
  
- **Inclusion criteria :**
  - All students, males and females
  - Saudis
  - Aged between 18 to 25 years old

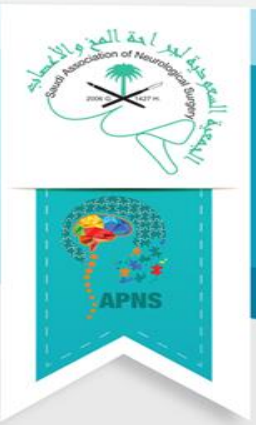
# Methods



❖ **Data were collected using an electronic pre-designed questionnaire including the following items:**

- 1) General Information about Epilepsy.**
- 2) Causes of Epilepsy.**
- 3) The relationship between Epilepsy and mental disease.**
- 4) Complications and prognosis of Epilepsy.**
- 5) Community attitudes toward patients with Epilepsy.**
- 6) knowledge of performing the appropriate first aid techniques.**

# Results



**Sample Size**

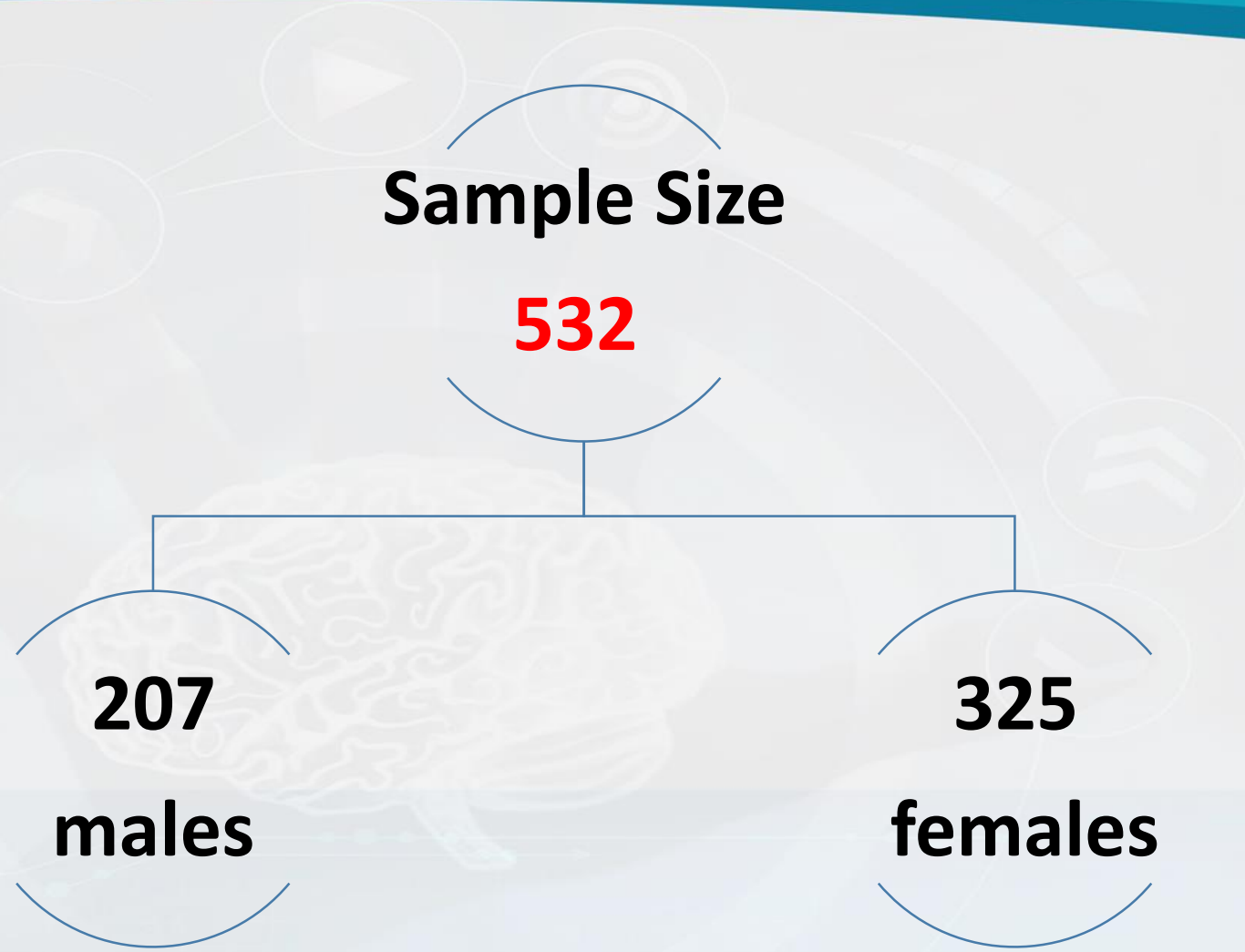
**532**

**207**

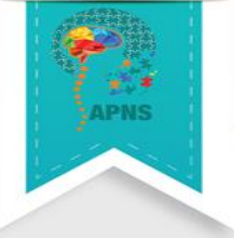
**males**

**325**

**females**



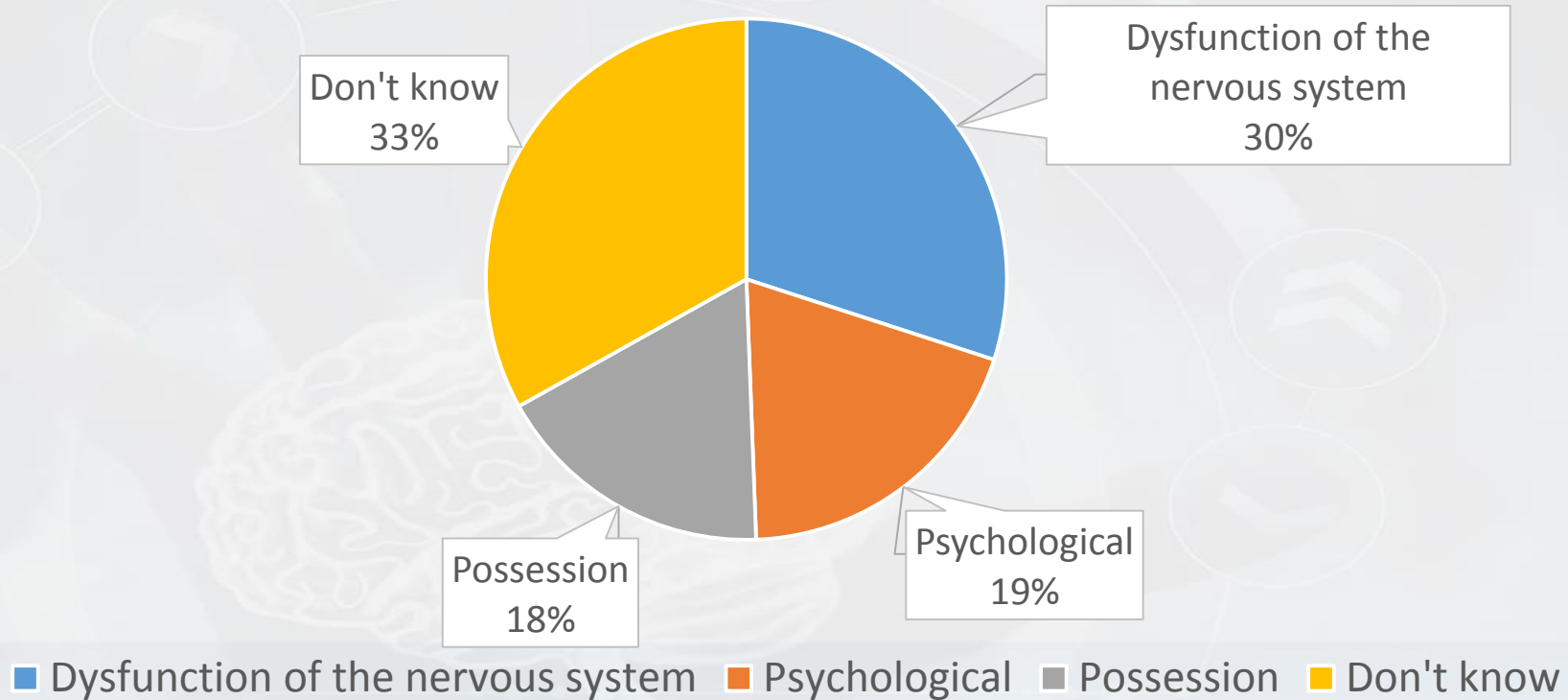
# Results



- ❖ **81%** of participants had heard or read about epilepsy
- ❖ However around **30.1%** have relatives with known epilepsy
- ❖ Only **5.5%** of total participants have experienced an epileptic seizure in their lives

# Results

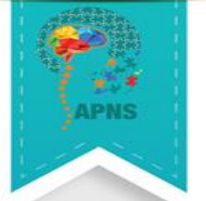
## Cause of Epilepsy



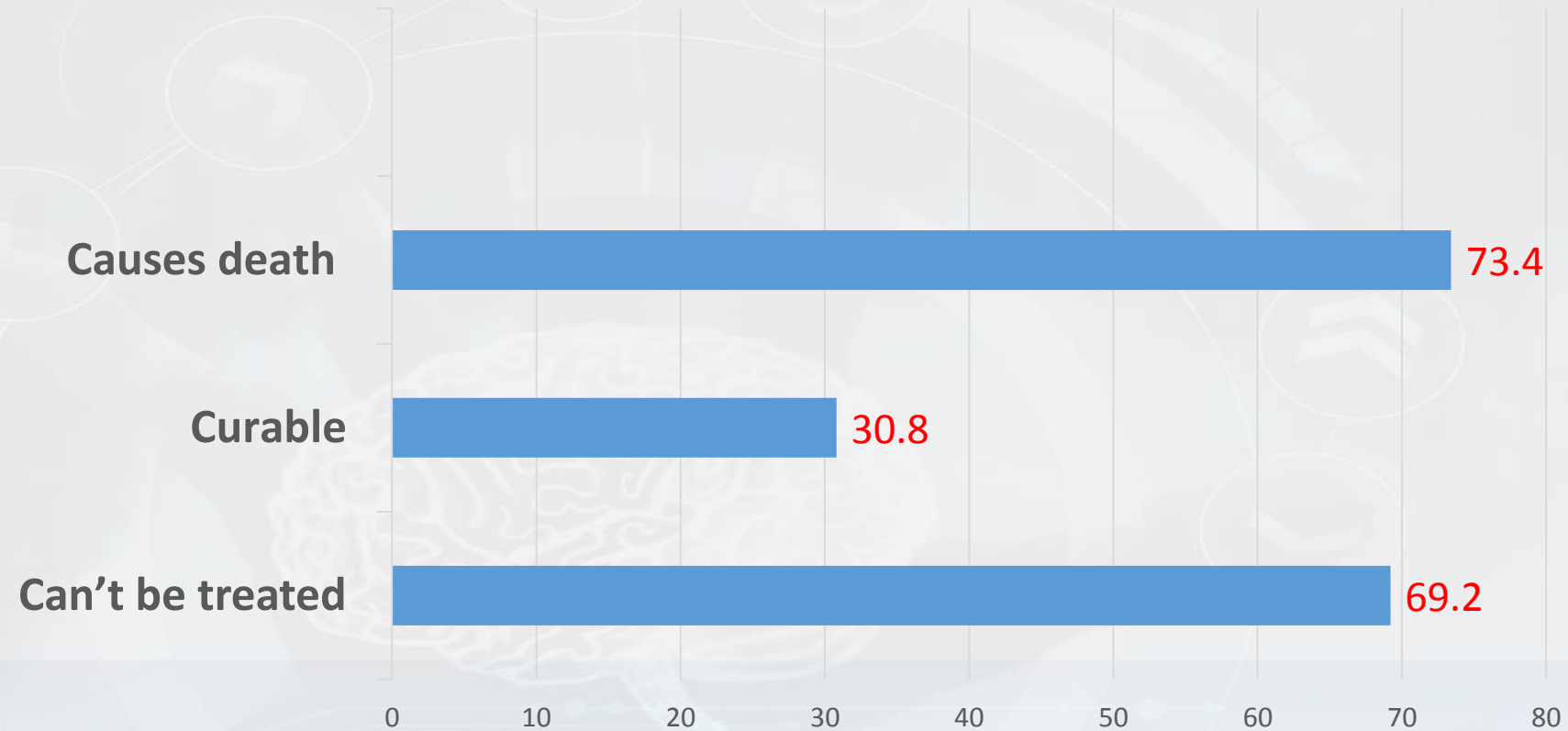
■ Dysfunction of the nervous system ■ Psychological ■ Possession ■ Don't know



# Results

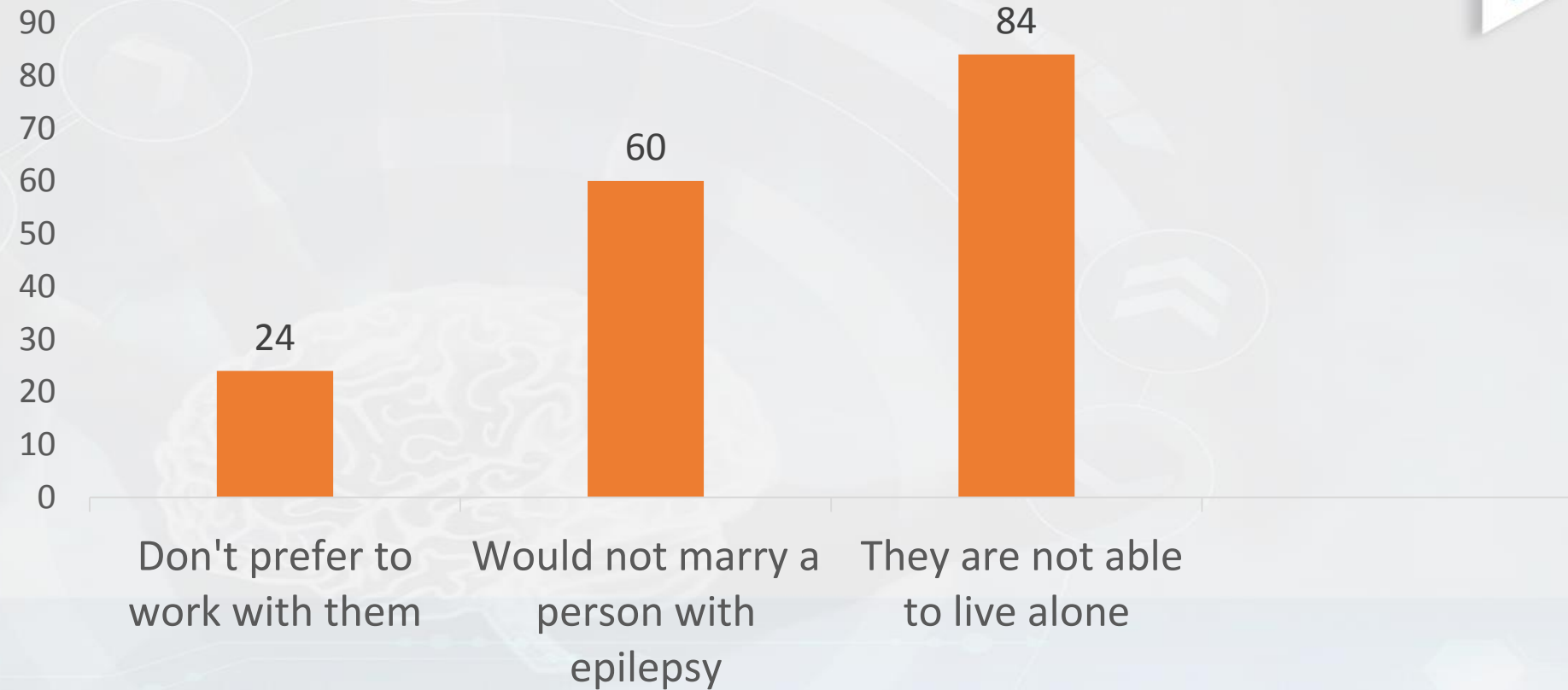


## Prognosis



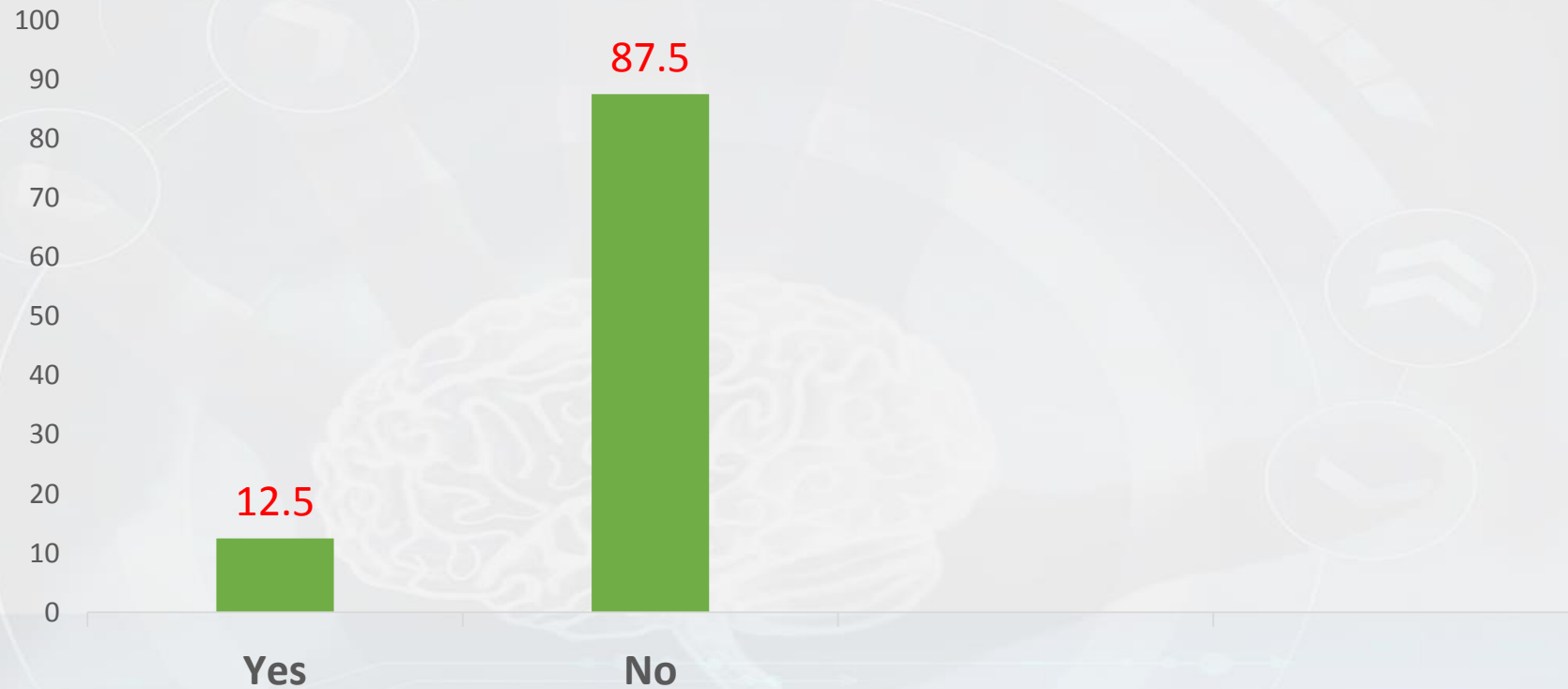
# Results

## Public attitudes

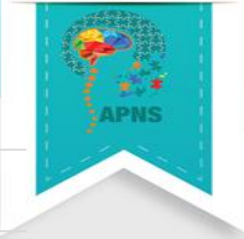


# Results

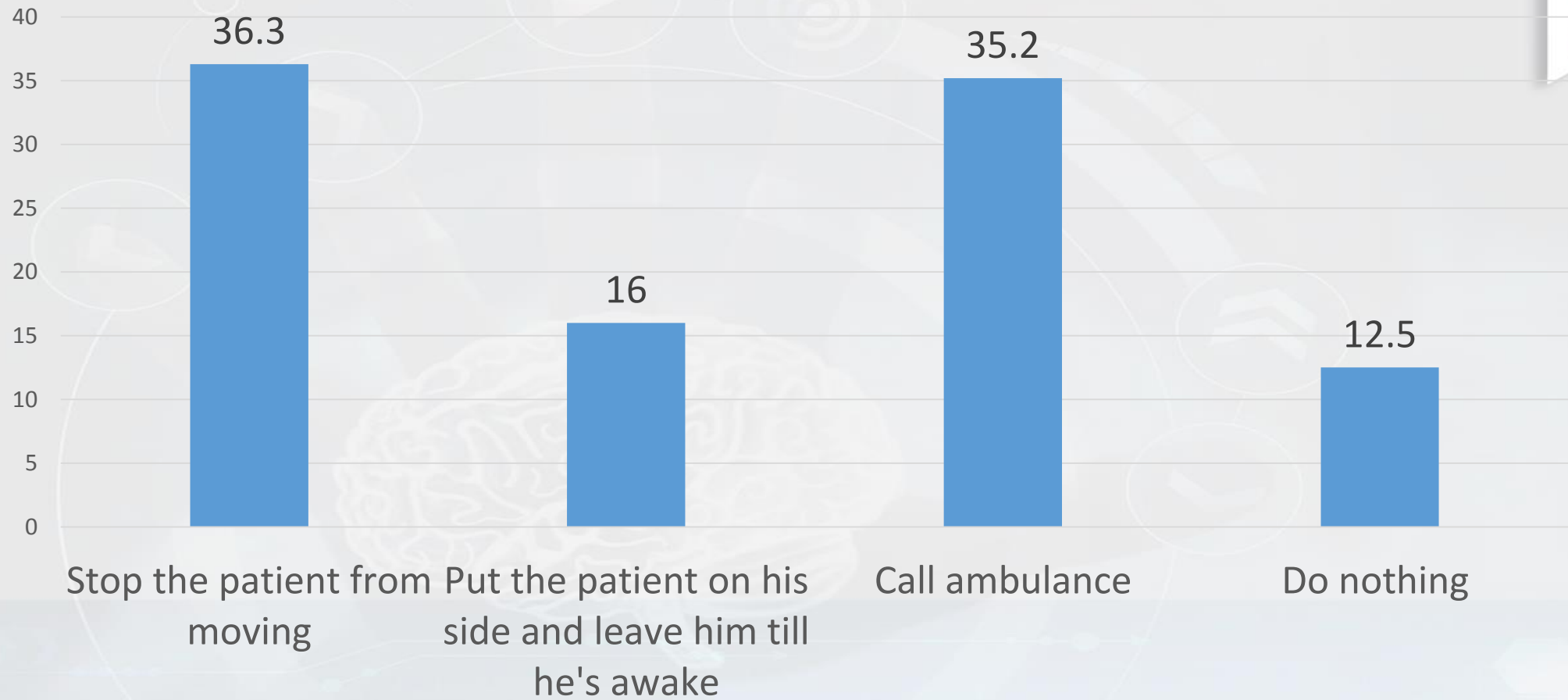
knowledge of performing the appropriate first aid techniques



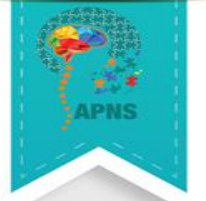
# Results



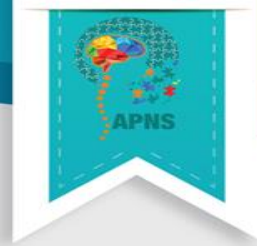
## Appropriate action to do



# Conclusion



- **The level of epilepsy knowledge and awareness in the Riyadh is relatively poor and needs improvement**
- **Negative attitudes regarding the marital status of patients with epilepsy still exist**
- **However, the low acceptance for marrying someone with epilepsy reveals the remaining misconceptions about the nature of epilepsy**
- **First aid measures during epileptic seizures were mostly inappropriate**



Thank You