ASSESMENT OF DEMOGRAPHIC VARIABES AMONG CANCER PATIENTS IRNUM,PESHAWAR IN 2015

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INTRODUCTION

Cancer is a group of diseases involving abnormal cell growth with the potential to invade or spread to other parts of the body, highly versatile in nature, comprises of more than 100 different types. [1] [2]

According to WHO, In 2013 there were 14.9 million incident of cancer cases out of which 8.2 million patients died, an estimated 13% of all deaths occurring worldwide. In 2008, cancer cases were 12.7 million and out of these 7.6 million died[3][4]. Because of this rising incidents and high mortality it has become 2nd leading cause of mortality worldwide][4]. It is expected that annual cancer cases will rise from 14 million in 2012 to 22 million (**70% increase** of current figures) within the next 2 decades. Due to Increase In life expectancy and changing lifestyle, the prevalence of cancer is increasing each year. [6]

Pakistan is also facing a great challenge in fight against cancer. 8% of total deaths in Pakistan occur due to cancer, making cancer the 2nd common cause of death in Pakistan. [7] Among men, the most common cancers are lung, prostate, colorectal, stomach and liver whereas in females the common ones are breast, colorectal, lung cervix and stomach.

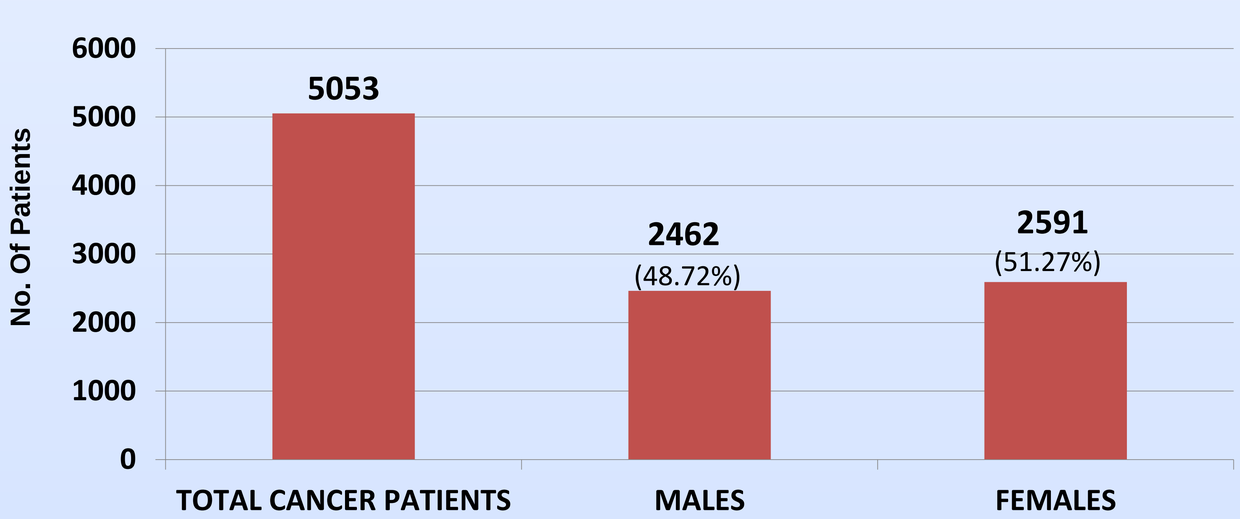
AIMS AND OBJECTIVES

- To assess Total number of cancer patients visiting IRNUM in 2015
- To assess geographical distribution of patients visiting IRNUM in 2015
- To assess Gender & age wise distribution of patients visiting IRNUM in 2015
- To assess the commonest type of cancers prevalent at IRNUM in 2015

METHODOLOGY

- Sample Size: 5053 Patients
- Location: IRNUM, Peshawar.
- Study Design: Retrospective Study
- Study Duration: 1st January-31st December 2015.
- The record was analyzed manually and graphs were constructed using Microsoft Excel 2015

RESULTS



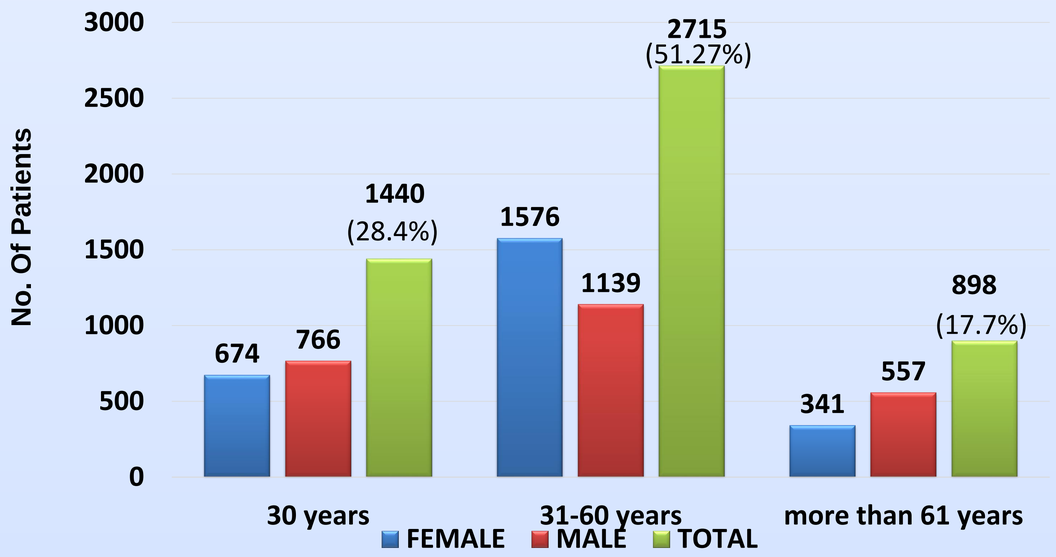


FIG. 1: GENDER WISE DISTRIBUTION OF CANCER PATIENTS AT IRNUM IN 2015

FIG. 2: AGE WISE DISTRIBUTION OF CANCER PATIENTS AT IRNUM IN 2015

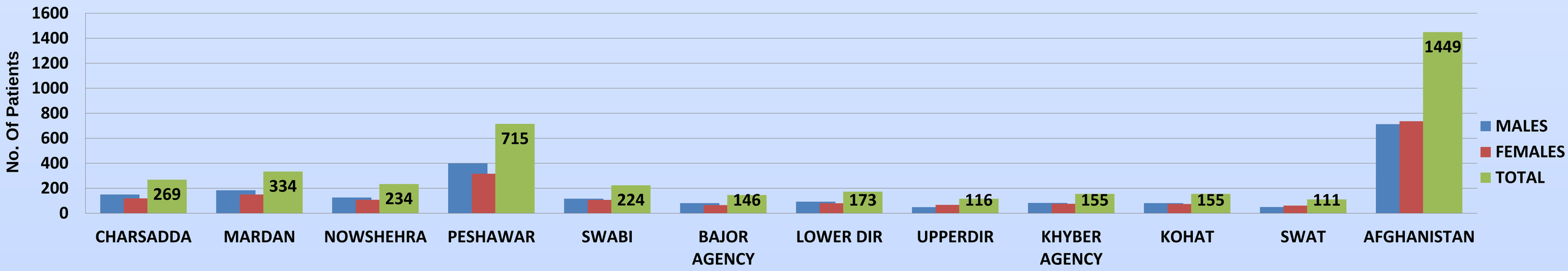


FIG. 3.1: AREA WISE DISTRIBUTION OF CANCER PATIENTS AT IRNUM IN 2015

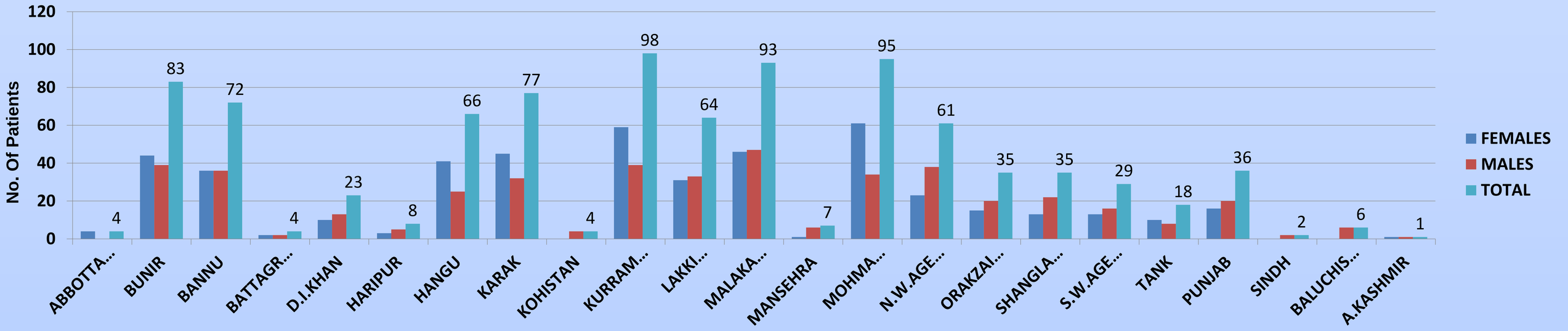


FIG. 3.2: AREA WISE DISTRIBUTION OF CANCER PATIENTS AT IRNUM IN 2015

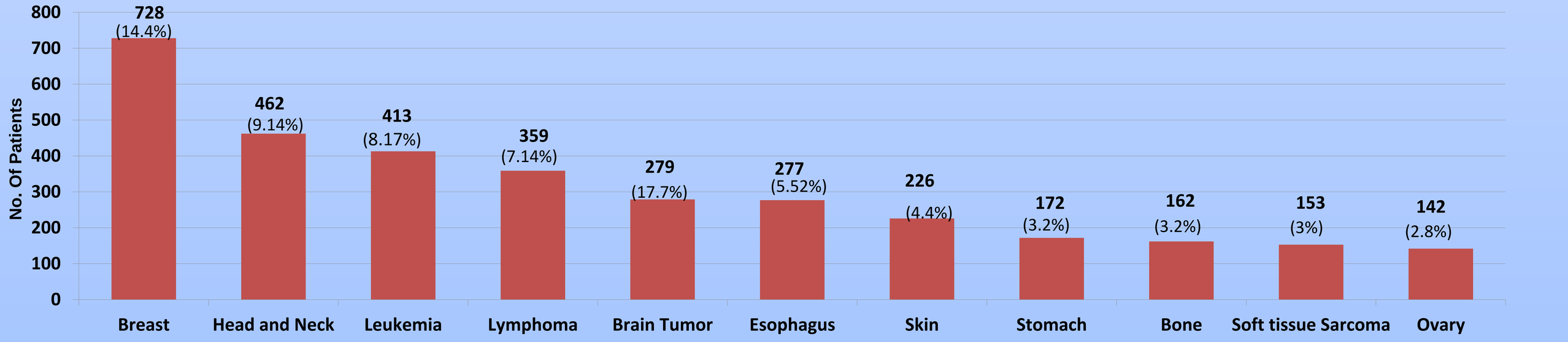


FIG.4 : FREQUENCY OF COMMON TYPES OF CANCERS PREVALANT AT IRNUM IN 2015

CONCLUSION

Total number of cancer patients visited IRNUM in 2015 were 5053.
Among these, patients of age group 30-60 years suffering from cancer were greater than the other two age groups i.e 53.7% of the total patients and out of this female patients constitute 58.04% of this age group 30-60 years.
Geographically, the influx of patients was highest from Afghanistan followed by Peshawar, Mardan, Charsadda, Nowshra and Swabi.
The most common cancer cases encountered in IRNUM were those of the breast(14.4%), followed by head and neck(9.14%), leukemia(8.17%), lymphoma(7.14%), brain tumors(5.52%), skin(4.4%) , stomach(3.2%), bone(3.2%), soft tissue sarcoma(3%) and ovarian cancers(2.8%).

SIGNIFICANCE OF STUDY

Knowing about the cancer situation at IRNUM, its geographical distribution and common types of cancer it will help to asses the burden of cancer and relocate the available resources to fight cancer and to help in making of preventive health policy making in future.

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