

## A Breast Cancer Epidemiology among the Female Patients Using a Regional Data Source: Case of Chlef Region, Algeria

MAAMAR BOUKABCHA <sup>(1)</sup>

(1) Hassiba BEN BOUALI University of Chlef, Chlef, Algeria

### Abstract

The Cancer is a global scourge. Female breast cancer is a major public health problem and the leading cause of death in women. We conducted the study of the influence of the Age in the Chlefoise woman. We studied this influence during the period between January 1, 2014 and December 31, 2017. We used the Oran cancer registry of the western region of Algeria, the oncology department of the hospital public Sisters Bedj of Chlef and the demographic statistics service of the Chlef region of Algeria to collect information on breast cancer and the population of the region studied. The sources of the data refer to more than 822 new cases of infiltrative breast cancer diagnosed among residents in the Chlef region. The average number of the female population of this region and more than 601595 women until today. The incidence is an important indicator of public health to know the distribution and spread of this chronic disease in the female population of this area who studied. The incidence that has found around 43 patients per 100000 women each year. The average age of the study population is around 27 years old and the average age of patients is around 51 years old. The purpose of this study is to identify the current status of breast cancer in the Chlef area and to improve the national cancer registry.

Key words: Female breast cancer, Age, Female population, Chlef region, Imaging.

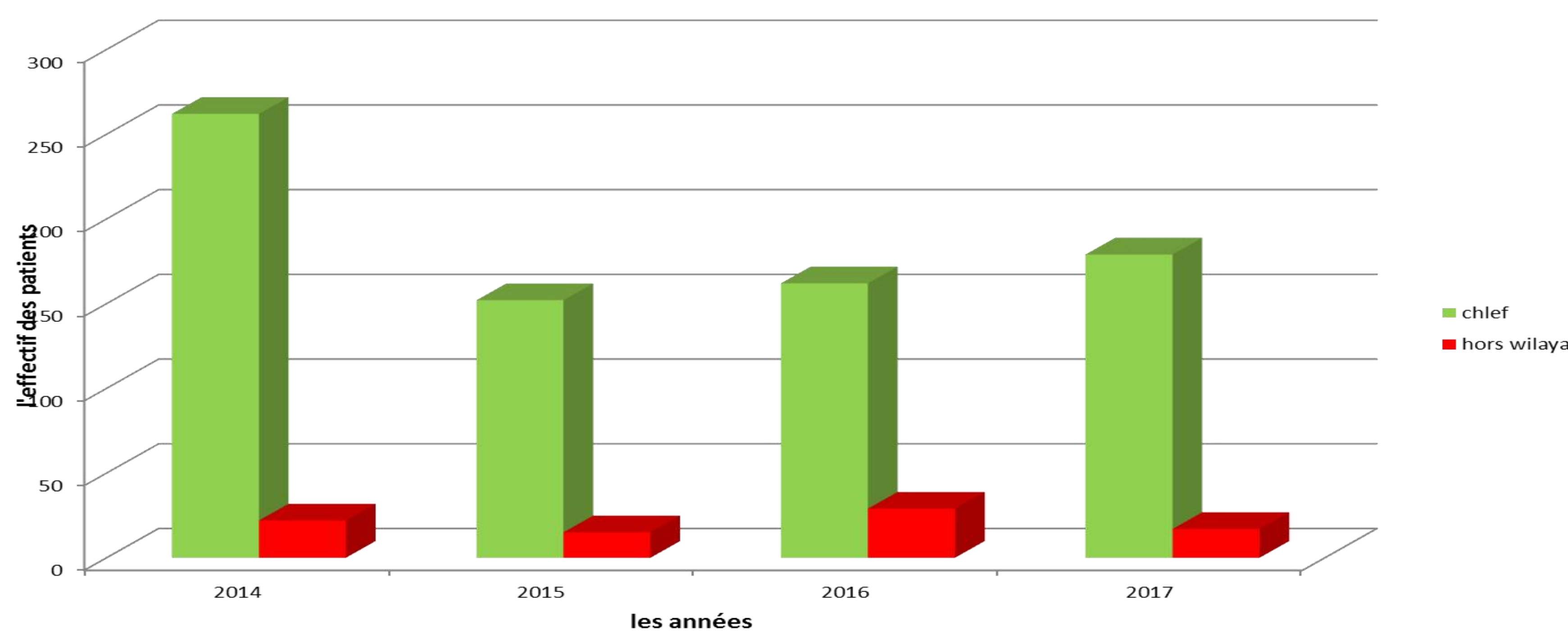
### Introduction

Breast cancer is currently the number one cancer in women worldwide, and its incidence has been increasing for 20 years. An early and complete management of patients is based on the diagnosis of cancerous pathology proves necessary to act on this disease. Although the diagnosis of cancer certainty is based on histology and medical imaging that are based on radiographic breast exploration by mammography sometimes associated with Echography and other.

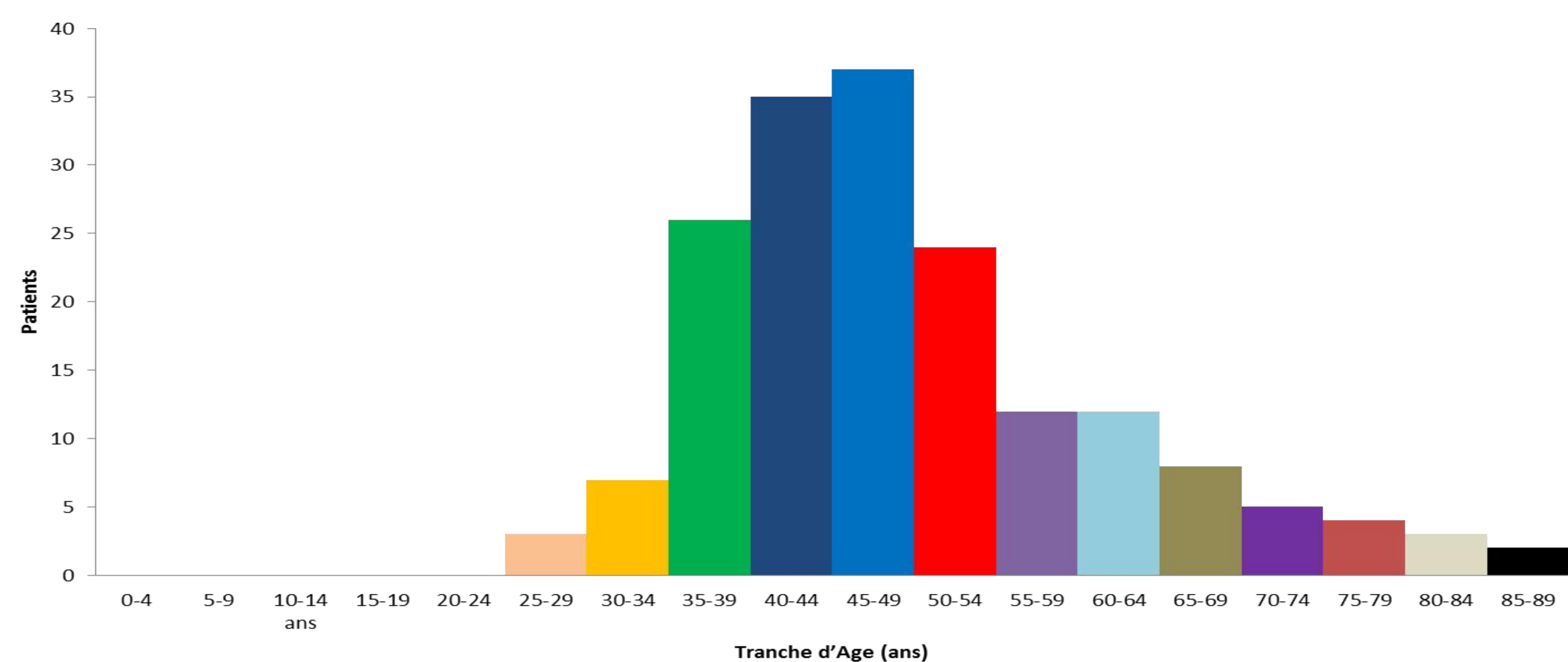
### Matériel et Méthodes

The type of study in this work is descriptive and retrospective. Location of study is the public hospital sisters Bedje of Chlef and especially in the oncology department. The study population in this study concerns a series of 838 patients, collected during a period of 4 years from January 1, 2014 to December 31, 2017.

### Results & Discussion



This figure represents the distribution of patients by years of inclusion from January 2014 to December 2017 and by residence.

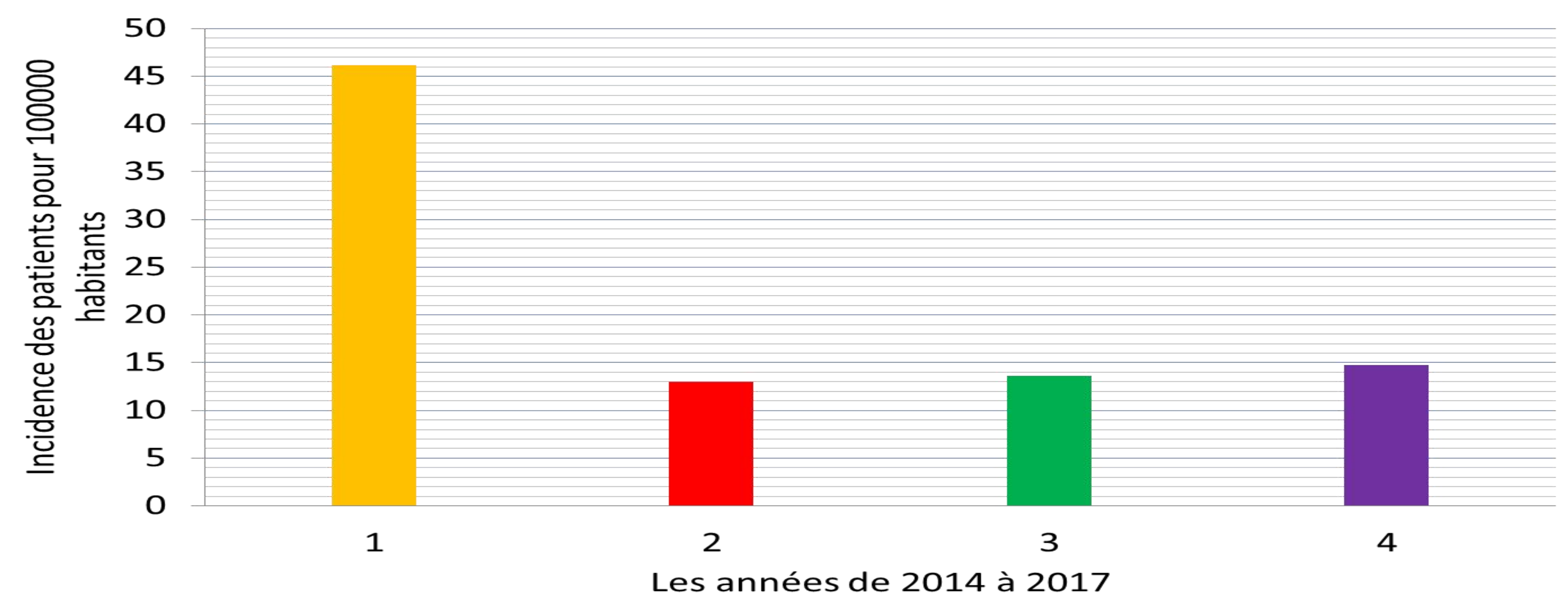


This figure represents the distribution of breast cancer patient population by age group for the year 2017.

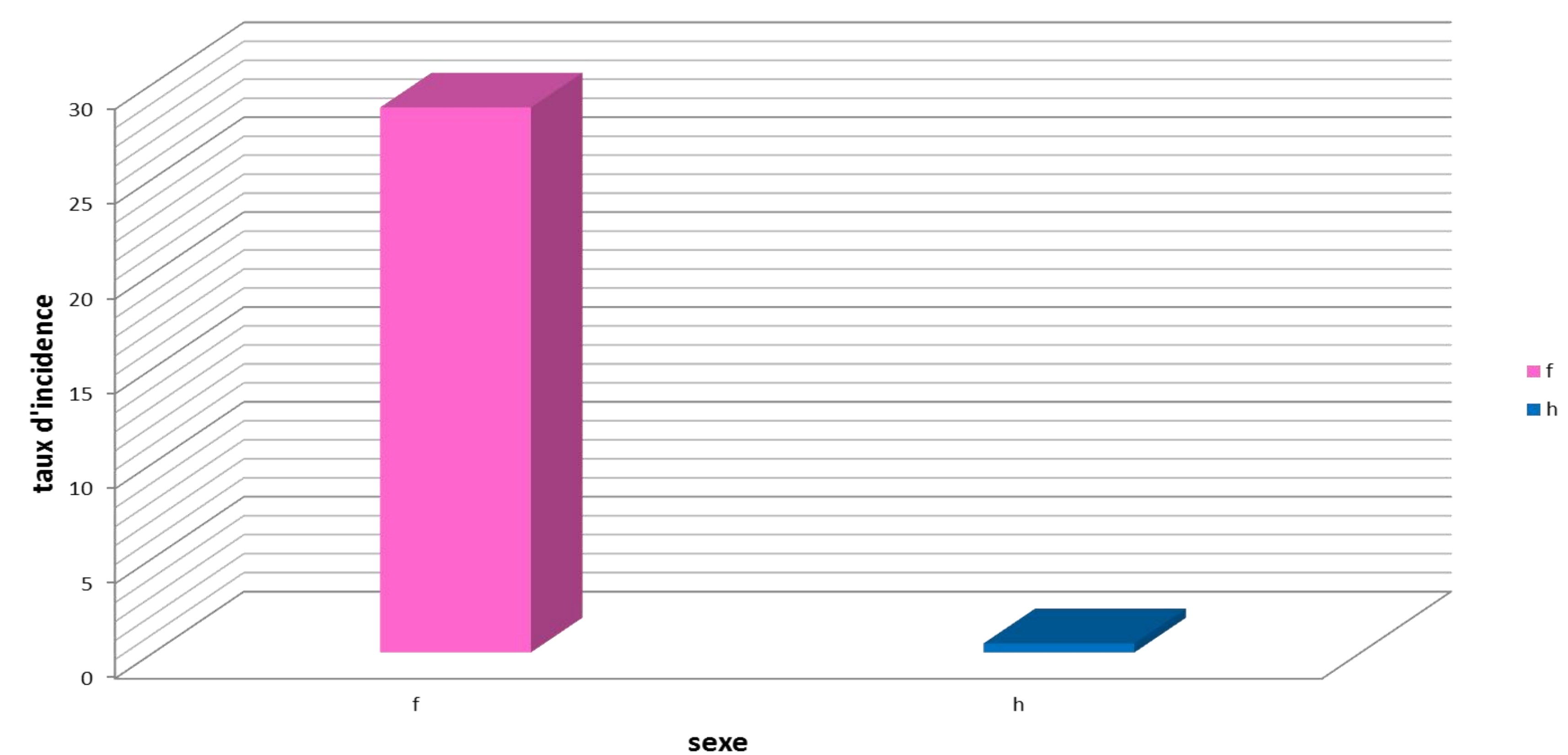
Contact: email

Boukamaa@gmail.com

### Results & Discussion (continued)



This figure represents the incidence of patients for each year from 2014 to 2017.



This figure represents the incidence rate of patients by sex during the four years of 2014 and up to 2017..

Breast cancer is a serious disease, according to data from the public hospital sister Bedje of chlef, is estimated at 196 new cases in 2017 whose incidence in women 28,72 per 100000 women is rarely touching the man with a very low incidence 0,48 per 100000 men. In recent years from 2015 to 2017, there is a constant increase. This increase is related to various risk factors including (age, gender, environment .....

- a- for the age of a young woman under 25 years, there is no case of breast cancer during the year 2017.
- b- between age 35 years to 64 years, cases affected by breast cancer higher. that is to say, the age of 40 to 64 years is the most sensitive breast cancer in women.
- c- After age 64, there is a decrease in patients.

### Conclusion

Overall, the data in our study were perfectly correlated with the theoretical data, which leads to the conclusion that breast cancer is the first cancer of women. diagnosed in women in our wilaya, with incidence in women is constantly increasing in recent years. The radiological diagnosis is essentially based on mammography or Echography and others. The average age of patients with breast cancer in our registry or medical file and data was estimated at 47 years, with an age range of between 24-84 years and over in this region who is studying in this work.

### Références

- BAADER J., (11 et 20 Octobre 2016).le traitement du cancer du sein. page : 7.
- BRUNEREAU L., (2007). L'imagerie sénologique Hôpital Bretonneau.
- BOUAAALLOUCHA S., (2012).le profil épidémiologique et clinique du cancer du sein chez la femme au CHU mohammed VI de Marrakech . Thèse de doctorat, UNIVERSITE CADY AYYAD. Page : 80.
- CHIHANE B ., (2015 ). Wilaya de Chlef : Agence Nationale de Développement de l'Investissement (ANDI) .