Part 1:Group Details

Report Title: Report on Number of Cancer Patients in Penang, Malaysia

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Part 2: Introduction

Firstly, before constructing any data visualization, we need to identify and understand the story of the information given. There are five types of data visualization which are quantitative; where values are numerical, discrete data; that has a finite number of possible values, continuous; data that is measured and has a value within range lastly is categorical; data that is stored in a group. From this talk, we are able to apply the correct data visualization according to the information given using Microsoft BI and it will be easier to describe each of the data.

Cancer is one of the most dangerous health diseases. It contributes a lot to fatalities as it is a silent killer among us. It is best to detect early and get to know the early symptoms ensuring the cancer growth is not sporadic. This report is conducted to identify the cancer incidence in Malaysia per population of every 100000 among different age groups throughout 2007 until 2011.
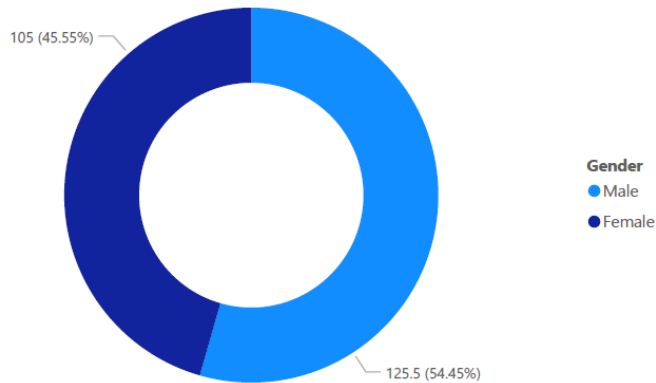
Quick summary
Table

2,088.60	22660	11,619.00	4,560.40
Sum of 20-49	Sum of All Ages (Number...	Sum of 50-74	Sum of 75+

0-19 by Gender

105 (45.55%)

Gender
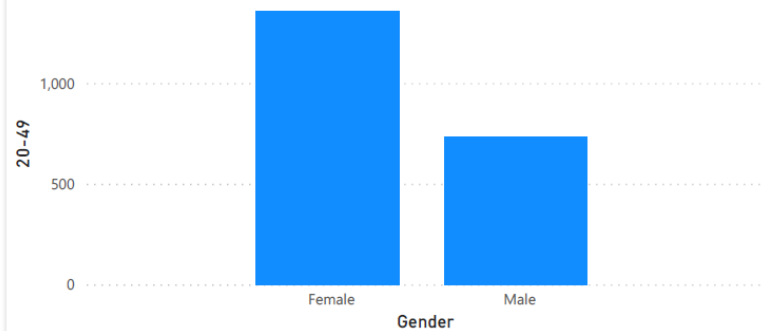● Male
● Female

125.5 (54.45%)

At 678, 53 had the highest Sum of 20-49 and was Infinity higher than 1, which had the lowest Sum of 20-49 at 0.
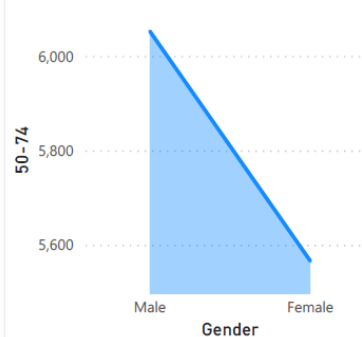
53 accounted for 32.46% of Sum of 20-49.

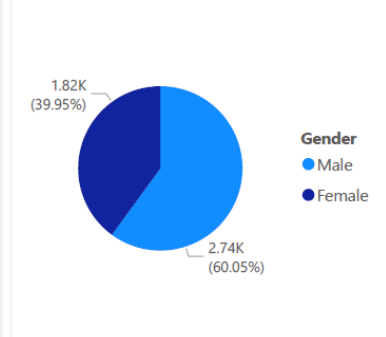Across all 29 0-19, Sum of 20-49 ranged from 0 to 678.

20-49 by Gender

50-74 by Gender

75+ by Gender

1.82K (39.95%)

Gender
● Male
● Female

2.74K (60.05%)

The analysis data shown is a summary of the total number and percentage of Cancer Incidence (Per 100,000 population) by Sites and Age Group, Penang, All Residents, Males and Females, Malaysia, 2007-2011.

Part 3: Data Analytics and Interpretation

The donut chart states the range of diagnosed cancer patients from the age range of 0 to 19 years old. The data shows two genders in which there is female and male. The number of male patients is slightly higher compared to female patients in which male is 125.5 while the female is 105.

The histogram states the range of diagnosed cancer patients from the age range of 20 to 49 years. The data shows two genders in which there is female and male. The one that we observe is the number of patients that are diagnosed with cancer and the leading gender stated above were females which are above 1000 people while for the male is over 500 people.

The linear graph states the range of diagnosed cancer patients from the age range of 50 to 74 years old. The data shows that there is a rapid surge in the number of female patients from the male patients in which the male is in the range of 6000 patients while the female is in the range of 5600 patients.

The pie chart states the range of diagnosed cancer patients from the age of 75 years and above. The data shows two genders in which one is male and the other is female. The one that is observed is the number of patients that are diagnosed with cancer. The number of male patients is much higher than female patients which are the range of 2470 and 1820 distinctly.

The issues that can be discussed about this analysis are to identify the total number of Malaysia's population that is diagnosed with cancer among males and females. Next, is the issue of how to determine the age range based on the categories such as children, adults, and senior citizens for males and females.

To clear up all the issues that stated, the total number of Malaysia's population that is diagnosed with cancer among males and females is 22660 people throughout 2007 until 2011. Furthermore, for the age range, 0 to 19 are considered as children, 20 to 74 for adults while 75 and above are for senior citizens.

In conclusion, the cancer cases in Malaysia are quite worrying as the summary of the analysis shows, especially for the adults that recorded the highest total numbers of people that had cancers. Not just that, the data recorded showed that the number of people that are diagnosed with cancers for male is higher than females.

Citation

Cancer incidence by sites and age group, Penang, all residents, Malaysia - mampu. Cancer Incidence by Sites and Age Group, Penang, All Residents, Malaysia - Set Data - MAMPU. (n.d.). Retrieved January 9, 2022, from https://www.data.gov.my/data/ms_MY/dataset/cancer-incidence-by-sites-and-age-group-penang-all-residents-malaysia