

Welcome!

Analysis on "*BREAST CANCER*"

Breast cancer is a complex disease caused by abnormal cell growth in breast tissue. Early detection through regular screenings is vital for successful treatment. While it can affect anyone, it is more commonly diagnosed in women. Advances in medical research have led to better therapies, emphasizing the importance of raising awareness, educating, and providing support in the fight against breast cancer.

SYMPTOMS

- > Lump in the Breast or Underarm
- > Changes in Breast Size, Shape, or Appearance
- > Changes in the Skin
- > Breast Pain
- > Visible Veins on the Breast

CAUSES

- > Family history
- > Inheritance of mutations in the genes BRCA2, BRCA1, CHEK2
- > Exposure to female hormones (natural and administered)
- > Starting your period before the age of 12





BREAST CANCER ANALYTICS

PATIENTS

3899

ALIVE

3325

85.28%

DEAD

574

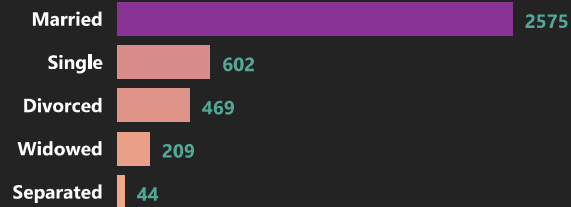
14.72%

Age

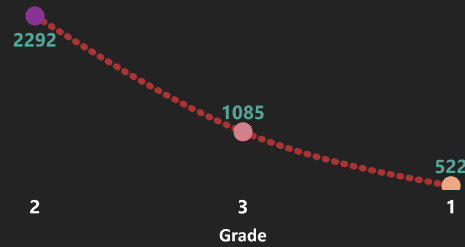
30

68

Marital Status



Estrogen Count Vs Grade



Whites

3299

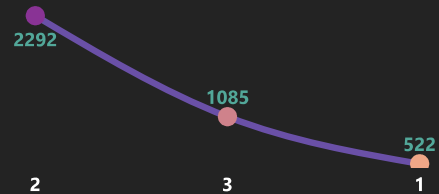
84.61%

Blacks

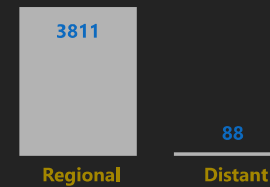
282

7.23%

Estrogen Count Vs Grade



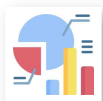
A Stage



Others

318

8.16%



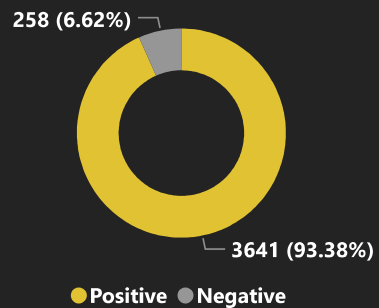
BREAST CANCER ANALYTICS

Age

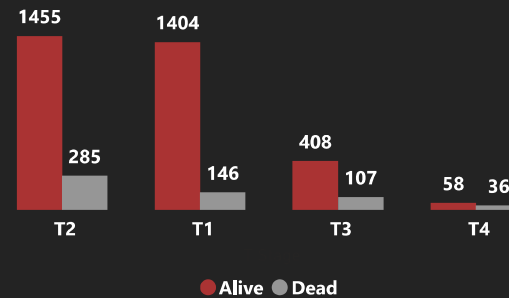
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68

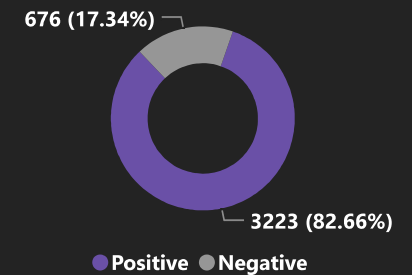
Estrogen Status



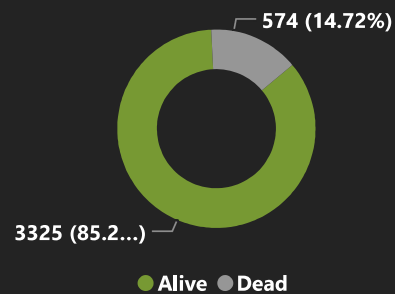
T Stage Count Vs Status



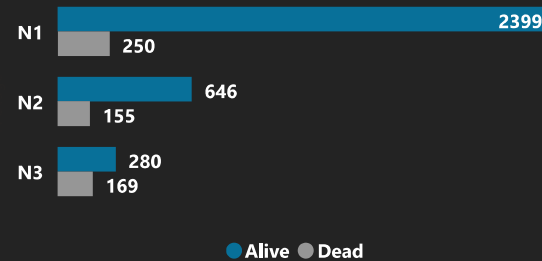
Progesterone Status



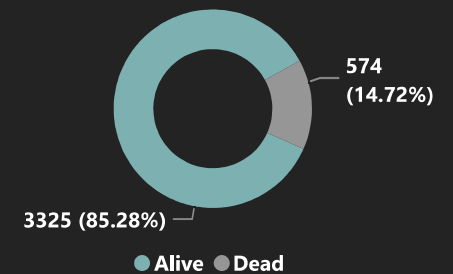
Estrogen Vs Status



N Stage Count Vs Status



Progesterone Vs Status





BREAST CANCER ANALYTICS



1. **CANCER PATIENTS** --> Total of 4024 patients records/observations.
1. **SURVIVAL RATE** --> There is a good survival rate of 85.28% alive and unfortunately 14.72% of casualties.
1. **RACE DISTRIBUTION** --> As there are more White patients the order follows as below
 - Whites : 3299 (84.61%)
 - Others : 318 (8.16%)
 - Blacks : 282 (7.23%)
1. **STAGE Vs SURVIVAL** --> Patients with more in T2 & T1 stages and N1 & N2.
1. **Patients with breast cancer commonly found with Estrogen and Progesterone hormones.**