



Breast Cancer Report

[Patient Overview Dashboard](#)[Tumor & Stage Analysis](#)[Survival & Hormone Impact](#)[Filters Menu](#)[INSIGHTS](#)[Age vs. Survival Duration](#)[Tumor Size Impact](#)[Stage & Survival Relationship](#)[Hormone Receptor Status
\(Estrogen/Progesterone\)](#)[Demographics Effect
\(Race/Marital Status\)](#)

Age & Demographics

Patients aged 40–49 have the longest average survival duration (72.7 months), suggesting better treatment response in this age group.

Married patients show higher survival rates, while the White population forms the majority of cases (75%). The "Other" race group records the highest survival rate (89%), possibly due to grouped minor races or regional treatment differences.

4K
Total Patients

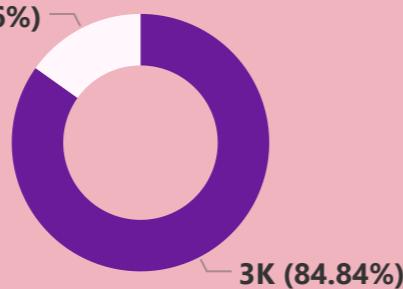
84.84%
Survival rate

71.33
Average Survival

53.98
Average age

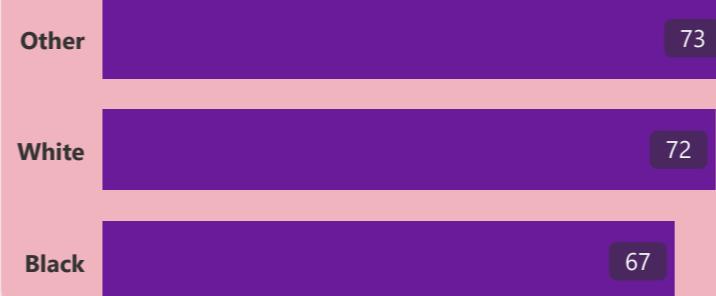
30.41
Average tumor size

Survived Patients Vs Death count

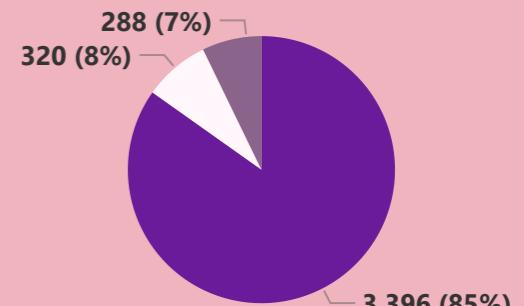


● Survived Patients ● Death count

Survival by Race



Total Patients by Race

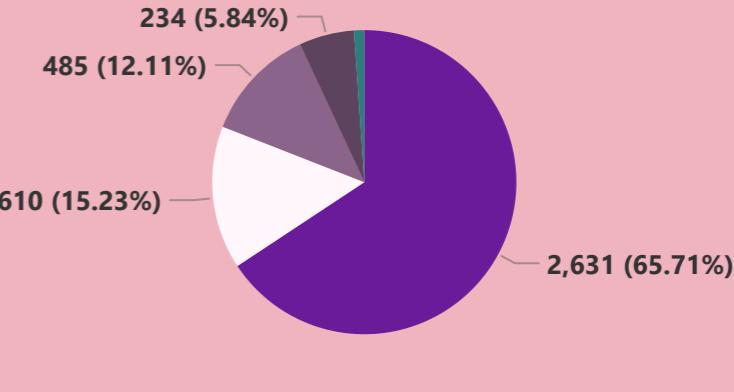


Race ● White ● Other ● Black

Total Patients by Age Group



Total Patients by Marital Status



● Married ● Single ● Divorced ● Widowed ● Separated



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Filters Menu

INSIGHTS

Age vs. Survival Duration

Tumor Size Impact

Stage & Survival Relationship

Hormone Receptor Status
(Estrogen/Progesterone)

Demographics Effect
(Race/Marital Status)

Tumor Size & Stage

A clear pattern shows that larger tumor size is linked with shorter survival time, emphasizing the danger of delayed diagnosis.

Patients at T1 stage have the highest survival rate ($\approx 90\%$), reinforcing the importance of early cancer detection and intervention.

4K
Total Patients

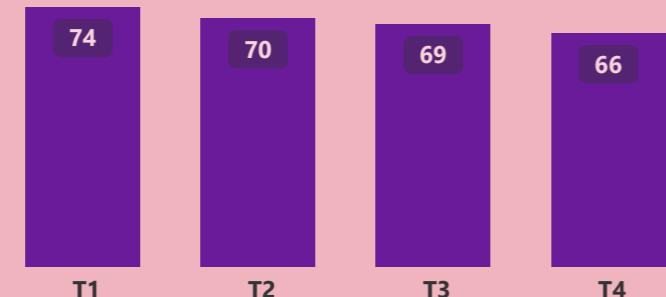
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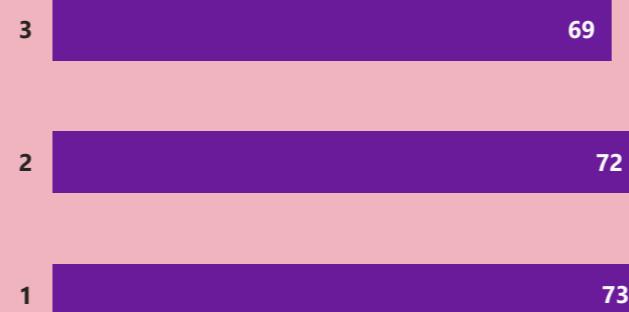
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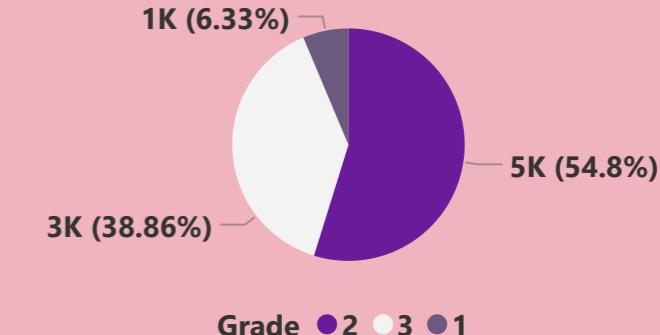
Avg Survival by T Stage



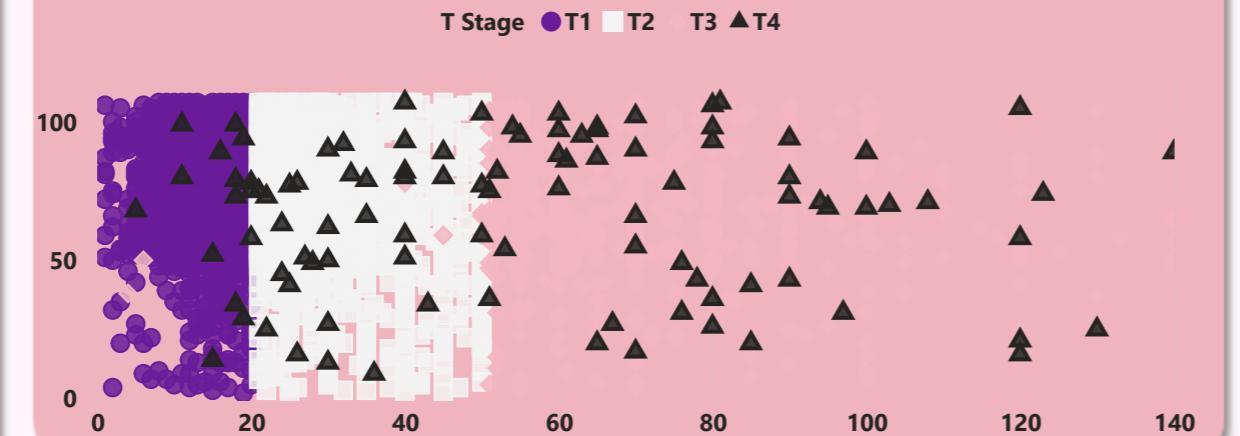
Avg Survival by Grade



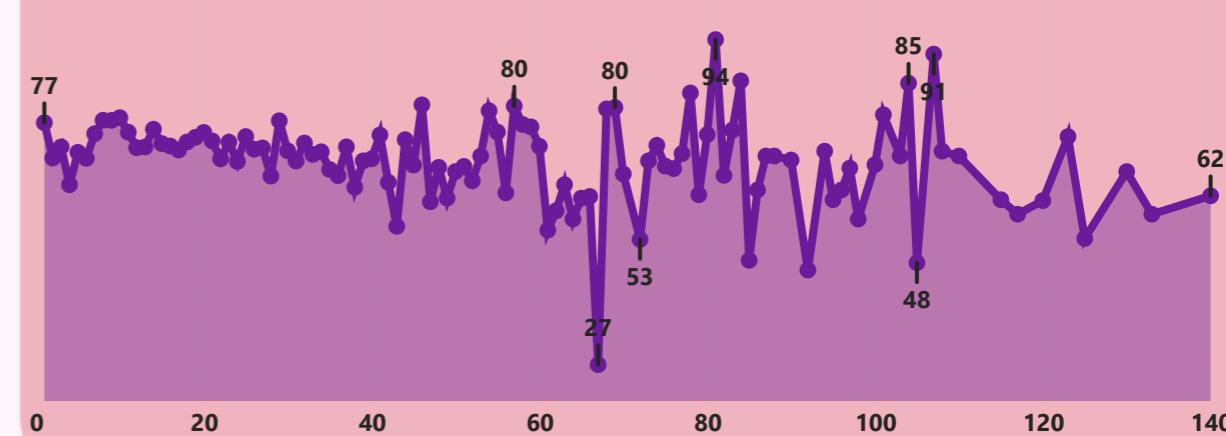
Tumor Grade Distribution



T Stage, Tumor Size and Survival Months



Avg Survival by Tumor Size





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[Patient Overview Dashboard](#)[Tumor & Stage Analysis](#)[Survival & Hormone Impact](#)[Filters Menu](#)[INSIGHTS](#)

Age vs. Survival Duration

Tumor Size Impact

Stage & Survival Relationship

Hormone Receptor Status
(Estrogen/Progesterone)Demographics Effect
(Race/Marital Status)

Hormone Receptor Status

Patients with positive estrogen and progesterone receptors show significantly higher survival outcomes, reflecting stronger response to hormone-based treatments.

This underscores the role of hormone therapy in improving prognosis among receptor-positive patients.

4K

Total Patients

84.84%

Survival rate

71.33

Average Survival

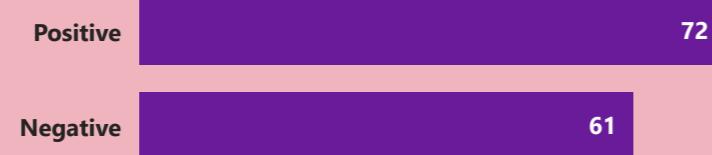
53.98

Average age

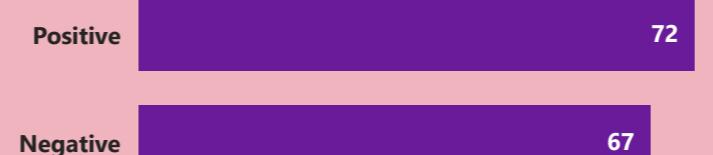
30.41

Average tumor size

Avg Survival by Estrogen Status



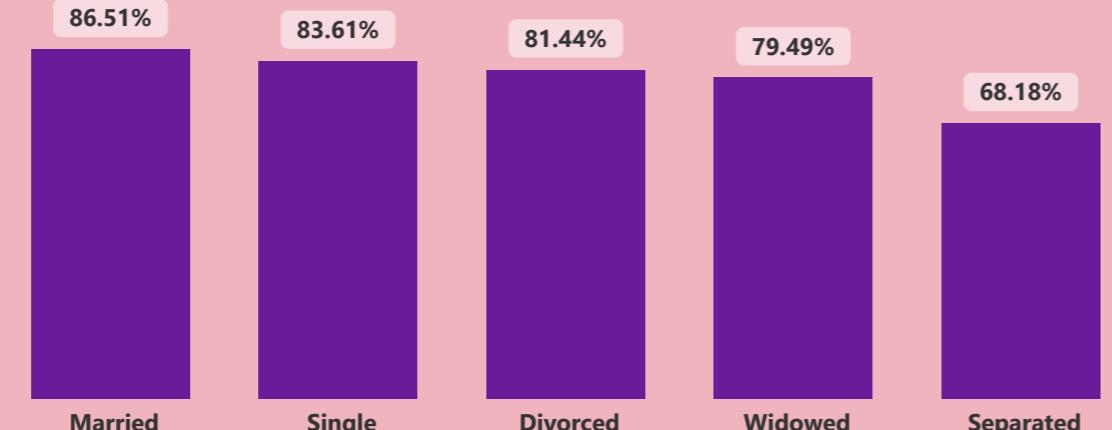
Avg Survival by Progesterone Status



Survival rate by T Stage



Survival rate by Marital Status



Avg Survival by Age Group

