



C . A . R . E

Cost · Analysis · Regressive · Evaluation

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National Cancer
Centre Singapore
SingHealth

SUMMARY DASHBOARD

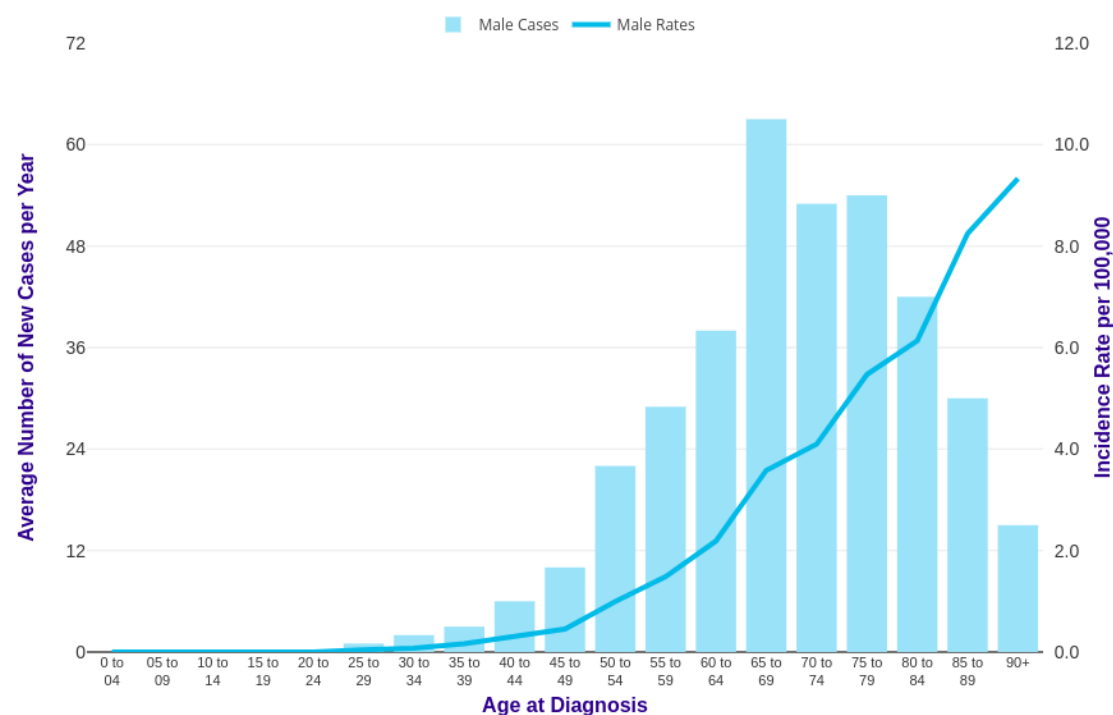
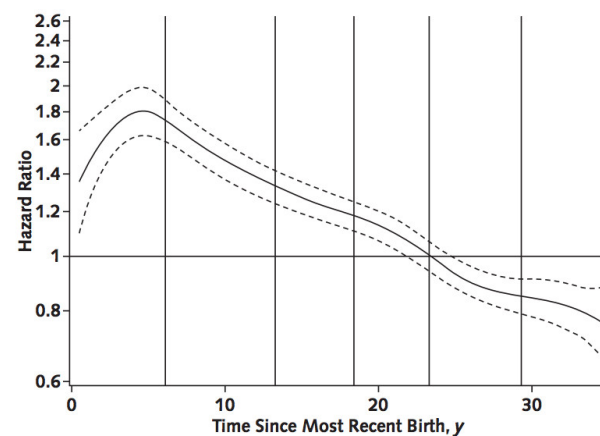
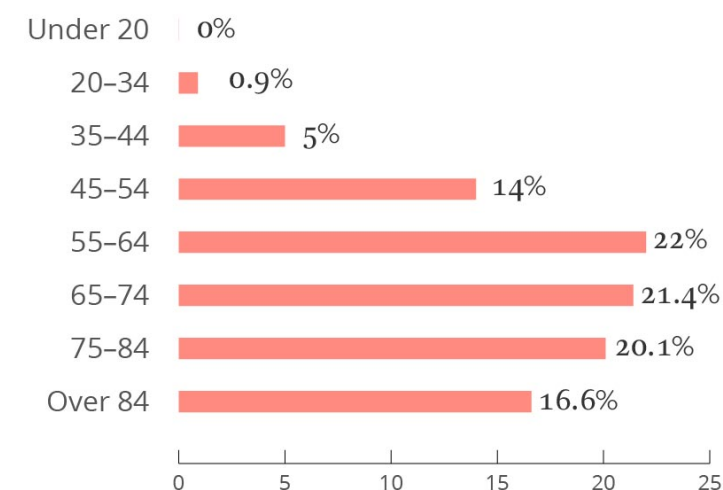


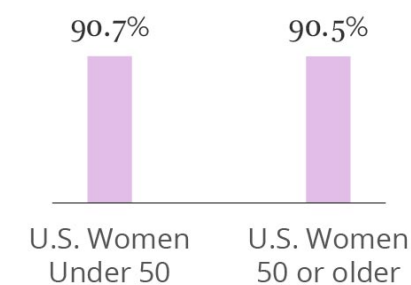
Figure 1. Hazard ratio (solid curved line) for breast cancer according to years since most recent birth.



U.S. Female Breast Cancer Deaths by Age (2009-2013)



5-Year Relative Survival Rate (2008-2013)





NEW PATIENT DATA



Patient Id



Gender



DOB

DCIS or LCIS only?



Age at diagnosis


Age must be between 25 and 85

Post Menopausal?



ER status



HER2 status



Ki-67 status


Positive means more than 10%

Invasive tumour size (mm)


If there was more than one tumour, enter the size of the largest tumour.

Tumour grade



Detected by


Detected as part of a preventive screening programme

Positive nodes


Enabled when positive nodes is 1.
[Why can't I enter micrometastases?](#)

Micrometastases only





CALCULATOR

Existing Patient

Manual Input

Patient Id

Submit



CALCULATOR

Existing Patient

Manual Input



Name: Janet Lin



Gender: F



Age: 55



Diagnosed Age: 54

Cancer stage: 3A

Breast Cancer: Left breast

Tumor Size: 1.2

T-stage: T1c

N-stage: N2

M-stage: M0

CerbB2: positive



CALCULATOR

Existing Patient

Manual Input

DCIS or LCIS only?



Yes No

Age at diagnosis



- 25 +

Age must be between 25 and 85

Post Menopausal?



Yes No Unknown

ER status



Positive Negative

HER2 status



Positive Negative Unknown

Ki-67 status



Positive Negative Unknown

Positive means more than 10%

Invasive tumour size (mm)



- 3 +

If there was more than one tumour, enter the size of the largest tumour.

Tumour grade



1 2 3

Detected by



Screening Symptoms Unknown

Detected as part of a preventive [screening programme](#)

Positive nodes



- 0 +

Micrometastases only



Yes No Unknown

Enabled when positive nodes is 1.
[Why can't I enter micrometastases?](#)

Submit

Inputs are subjected to changes depending on the model inputs

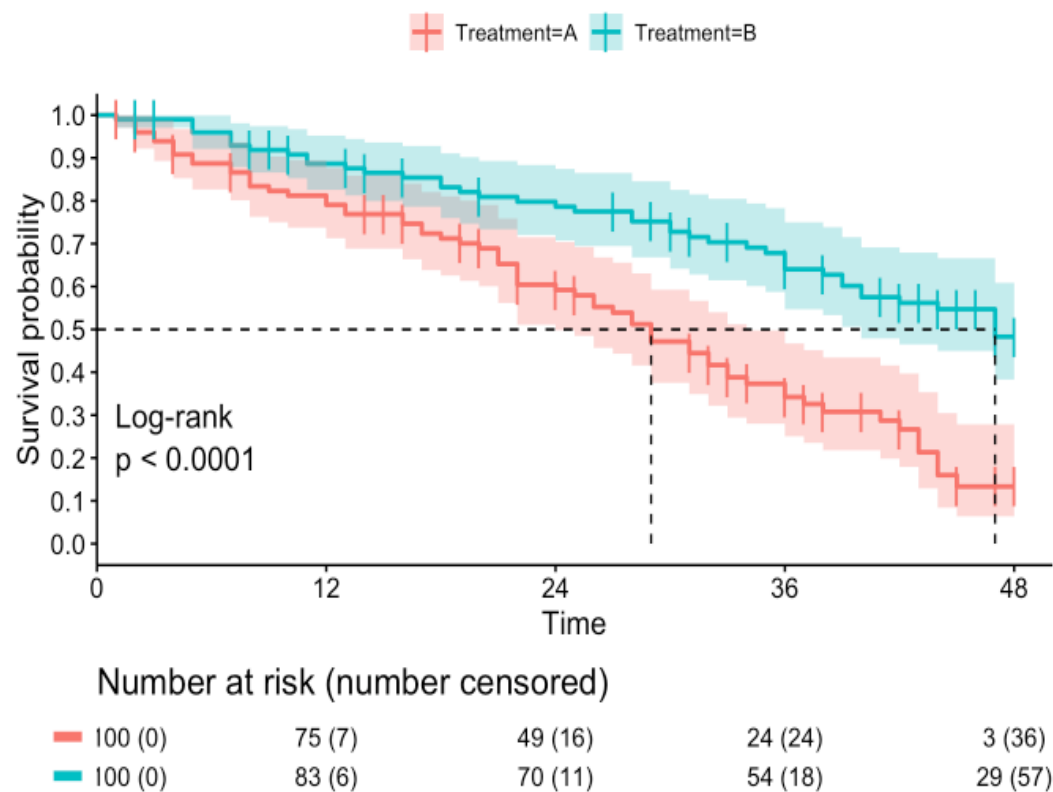
SURVIVAL AND COST PREDICTION CALCULATOR PAGE

SURVIVAL PREDICTION

COST PREDICTION

[Doctor's Summary](#)[Patient's Summary](#)

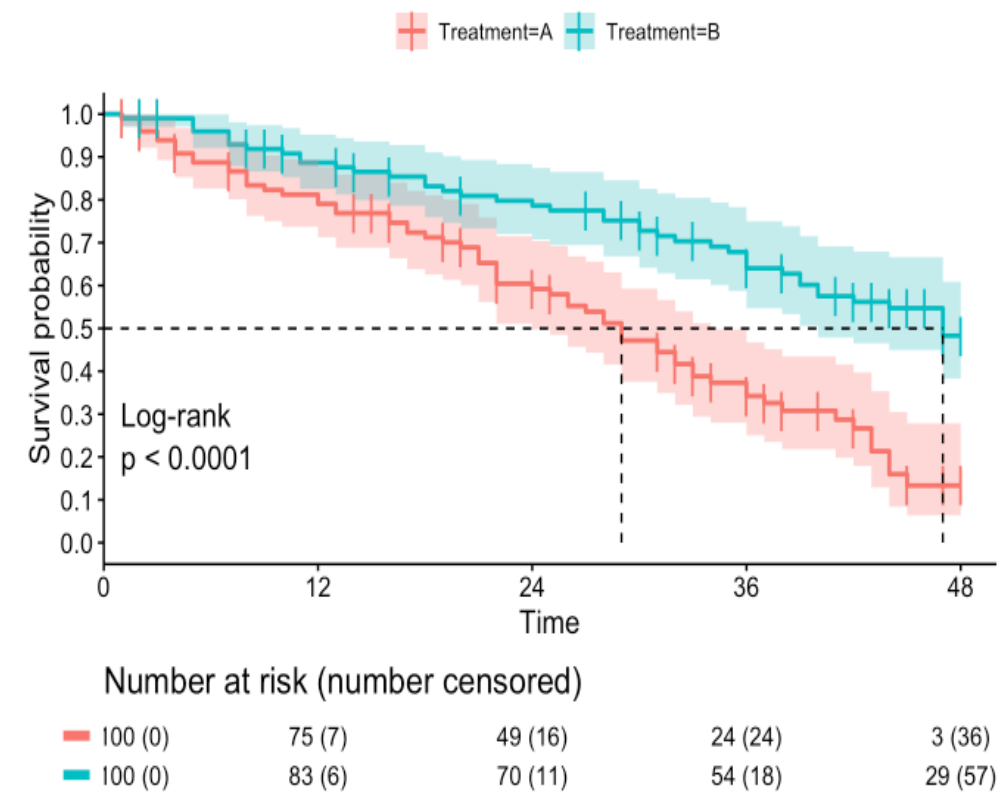
Overall Survival for T1N1M1 up to 10 years



The 95% CI are marked in gray and the median survival probability for scenario A is somewhere around 40 months. The survival time of patients that got treatment B is significantly longer.

The statistical tests to compare two curves are for a later time. In this example I'm only going to focus on the shape of one survival curve.

Disease-Free Survival for T1N1M1 up to 10 years



The 95% CI are marked in gray and the median survival probability for scenario A is somewhere around 40 months. The survival time of patients that got treatment B is significantly longer.

The statistical tests to compare two curves are for a later time. In this example I'm only going to focus on the shape of one survival curve.



SURVIVAL AND COST PREDICTION CALCULATOR PAGE

SURVIVAL PREDICTION

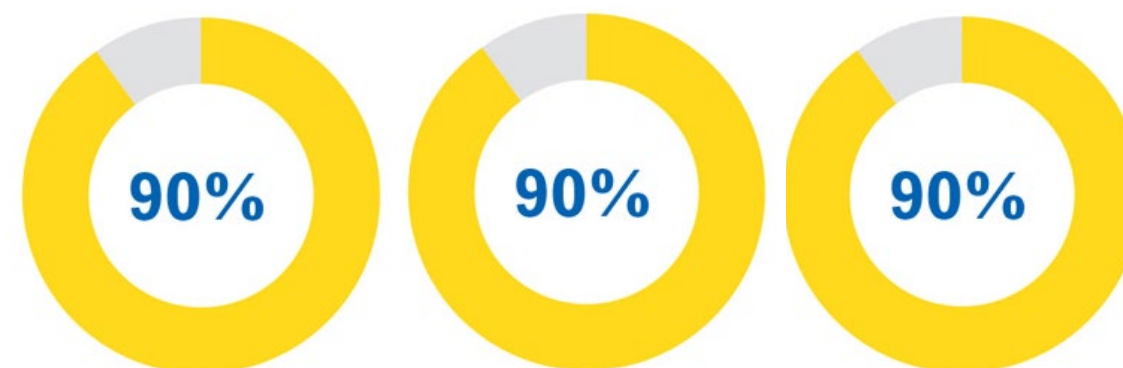
COST PREDICTION

Doctor's SummaryPatient's Summary

FOR T0N0M0, OUT OF 100 PEOPLE, 80 PEOPLE SURVIVED



FOR T0N0M0 2,5,10 YEAR SURVIVAL RATE



FOR T0N0M0 OVERALL SURVIVAL RATE (With different treatment) FOR T0N0M0 with triple negative breast cancer

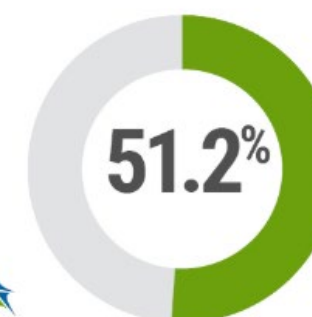
Treatment	Additional Benefit	Overall Survival %
Surgery only	-	88%
+ Hormone therapy	0% (0.0% – 0.0%)	88%

If death from breast cancer were excluded, 99% would survive at least 10 years, and 1% would die of other causes.

TREATMENT GROUP A
Pembrolizumab plus
chemotherapy



TREATMENT GROUP B
Chemotherapy alone



VS

Healio



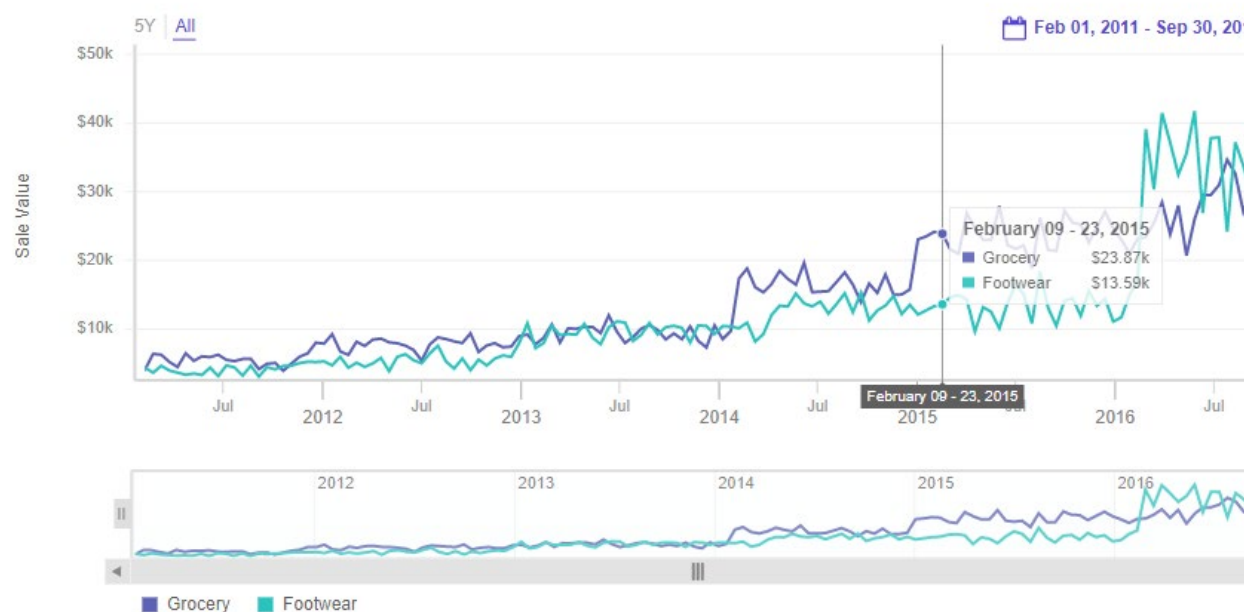
SURVIVAL AND COST PREDICTION CALCULATOR PAGE

SURVIVAL PREDICTION

COST PREDICTION

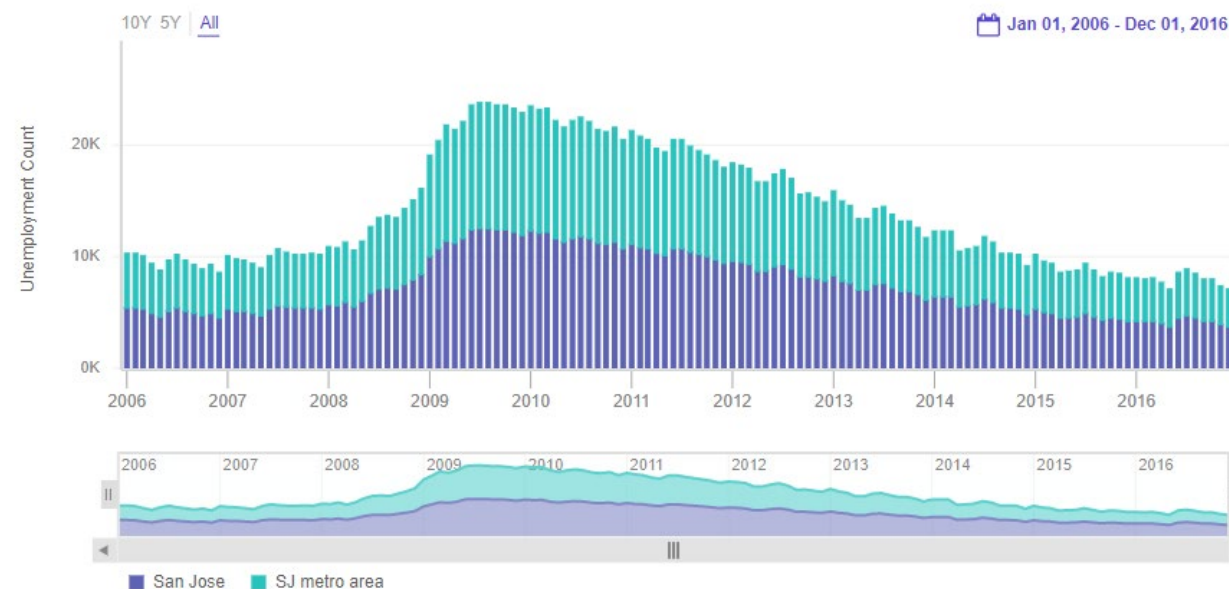
Sales Analysis

Grocery & Footwear

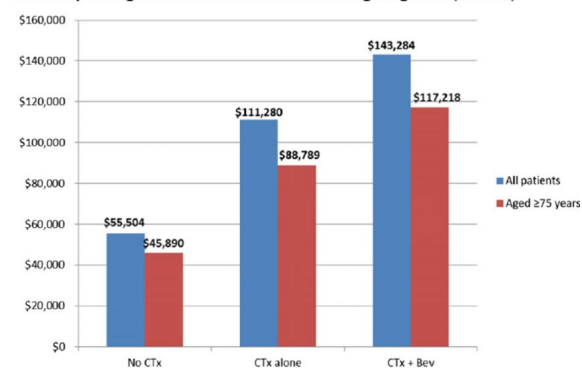


Unemployment in San Jose & SJ Metro Area

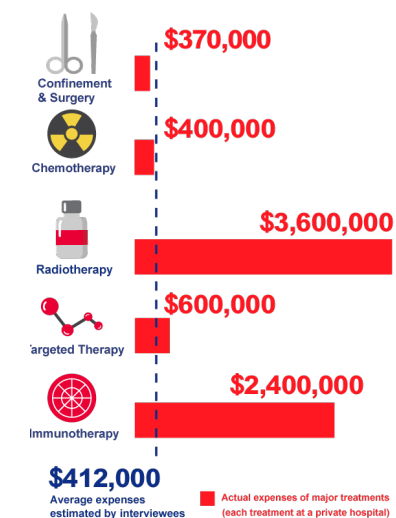
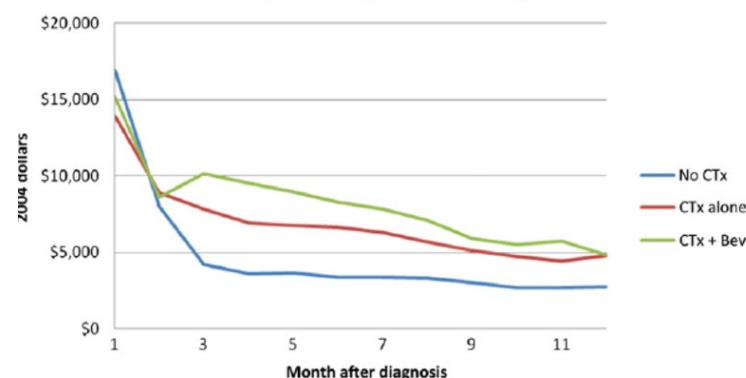
From January 2006 - December 2016



A Mean Lifetime mCRC Treatment Costs (Top) and Mean Monthly per Patient Spending in the First 12 Months Following Diagnosis (Bottom)



Average Monthly Cost - All Categories





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