

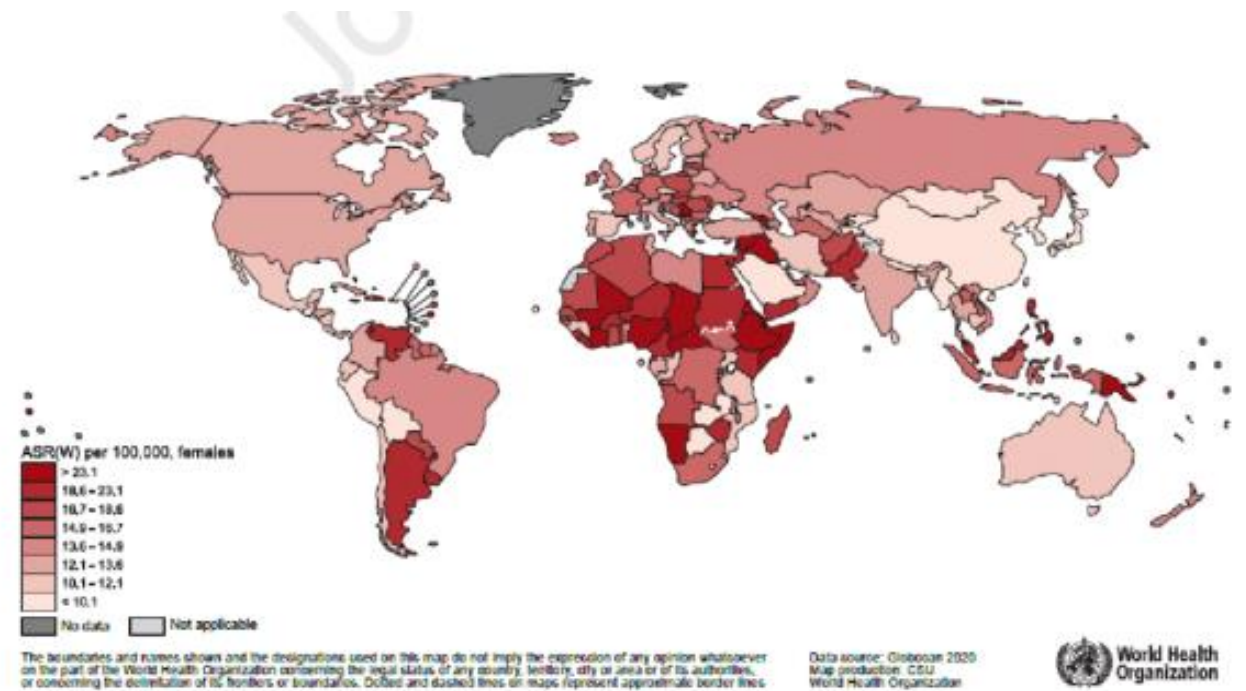
The direct medical cost of breast cancer management in a resource limited setting of Papua New Guinea: A five year cost of illness study.

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Introduction

- ❑ Breast cancer rates remain high in low and middle income countries where 55% of breast cancer related deaths occur.
- ❑ In Papua New Guinea, Less than US\$60,000.00 is allocated to cancer programs annually, despite cancer mortality surpassing tuberculosis, HIV and malaria combined.
- ❑ Cost of breast cancer care in developing countries remains an understudied area.
- ❑ The study aims to estimate the direct medical cost of breast cancer management amongst patients admitted to the surgical ward of Alotau Provincial Hospital (APH) in PNG.



Material and Methods

- ❑ A cost of illness study was conducted amongst patients with breast cancer at Alotau Provincial Hospital from the 12th of January 2017 to 9th of August 2022.
- ❑ A bottom up approach of micro costing was applied to estimate the patient and hospital perspectives of direct medical costs.

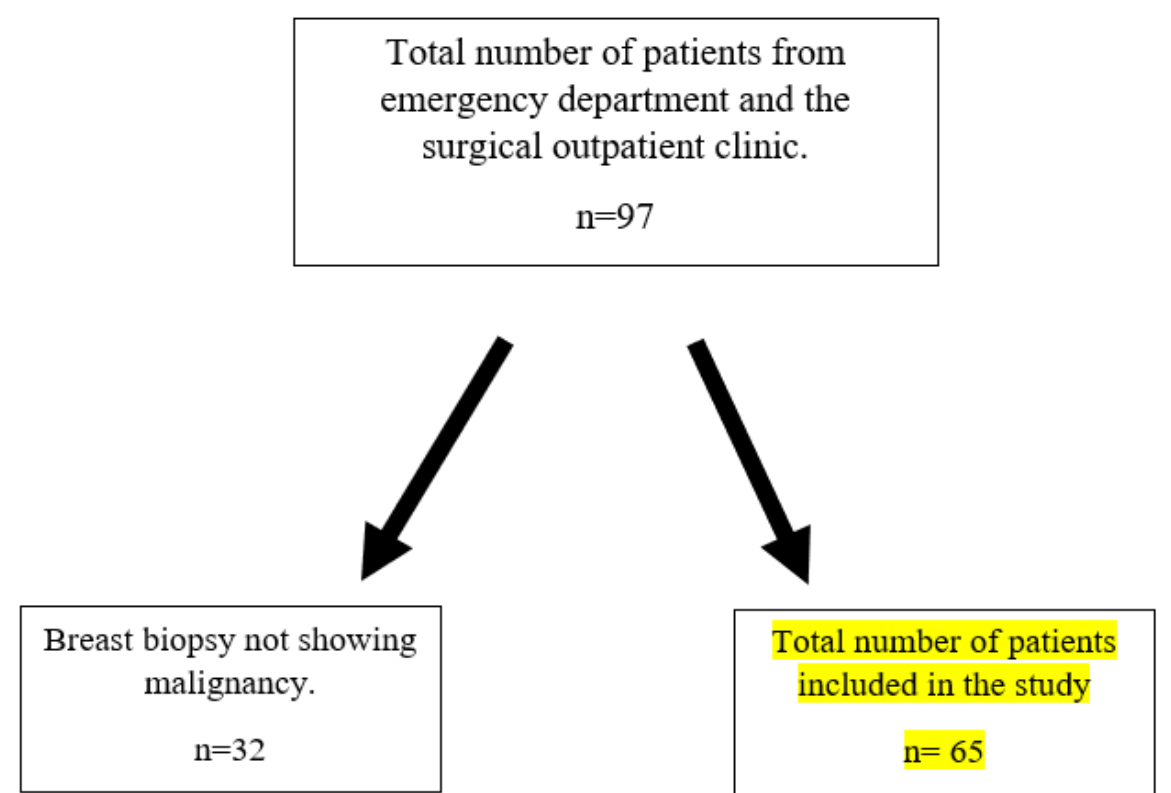
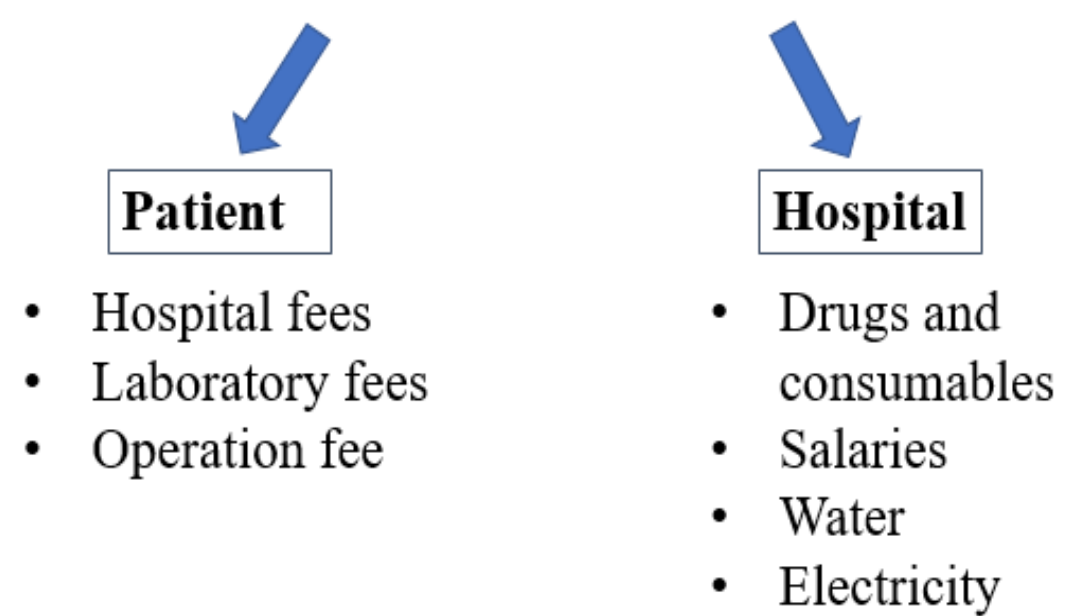
Results

- ❑ The total cost of breast cancer management was K1,624,656.14 (US\$471,150.28).
- ❑ Hospital costs incurred 99.7% (K1,620,156.14, US\$469,845.28) of the total direct medical costs.
- ❑ The average cost per patient was K24,994.71 (US\$ 7,248.47).
- ❑ The average cost per mortality was K18,801.34 (US\$5,452.39).

Conclusion

- ❑ Provincial Hospital in PNG must invest in and implement the 2015 National Cancer Control Policy strategies.

Direct medical costing



Number of breast cancer patients per stage against the mean direct medical cost per patient

