

Changes in the Economic Burden of Breast Cancer Neoplasms in Colombia After the Cancer Control Model

ISPOR 2024

May 5-8, 2024 | Atlanta, GA, USA

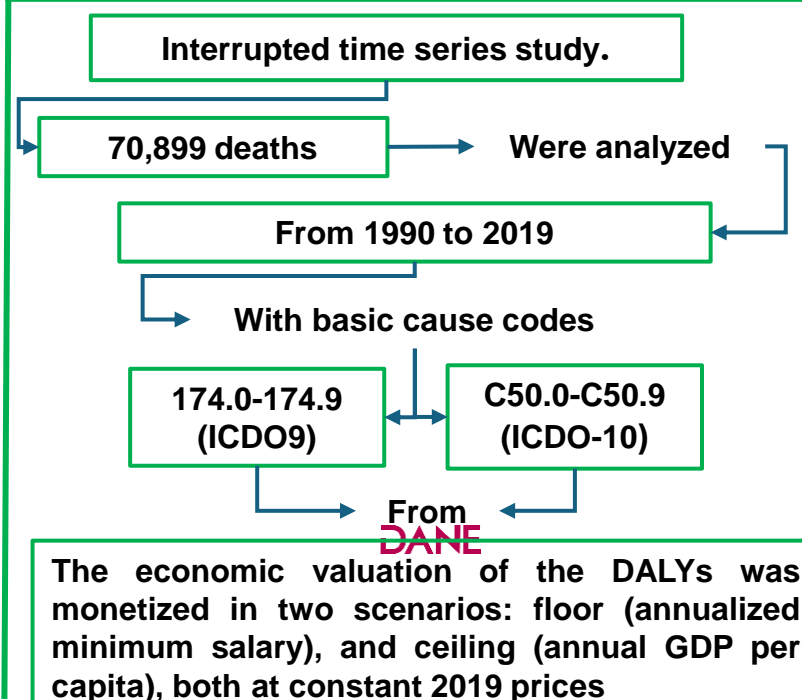
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OBJECTIVE

To determine changes in the economic burden of breast neoplasms in Colombia after the implementation of the "Model for Cancer Control".

METHODS



RESULTS

The standardized rates x 100,000 went from 421.9 to 3337.0, 16.8 to 24.0, and 438.7 to 360.9, for YLLs, YLDs, and DALYs, respectively. The ARIMA model estimates confirmed significant changes for YLDs and DALYs ($p < 0.05$) When considering the percentage variation 1990-2005 Vs 2006-2019, the differences in the proportions were significant for DALYs: -18% to -3.1% ($p: 0.0012$), and YLDs: -16.8% to -1.8% ($p: 0.0007$) but not for YLLs: 13.7% to 23.1% ($p: 0.145$). The loss of human capital due to breast cancer in Colombia from 1990 to 2019 ranged between (values in millions COP) \$2,720 to \$6,150,077 and the highest percentage increases occurred between 2008-2009: 298% and 1998-1999: 74.3%

With the Institute for Health Metrics and Evaluation methodology, YLLs, YLDs, DALYs, and their annual percentage variations were calculated

ARIMA Model

Interruption Point

Implementation of
"Model for Cancer Control"

2006

CONCLUSIONS

Significant changes in the burden of breast cancer in Colombia were found, which may be due, among other factors, to epidemiological and strategic changes related to the Cancer Control Model.