Southeast

Registres des Cancers général de la Manche, général du Calvados, digestif du Calvados et des hémopathies malignes de Basse-Normandie

Economic Impact of Gynecological And Breast Cancer Among Working-age Women: Regional Differences And Productivity Lost

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Epidemiology of gynecological and breast cancer in Brazil Breast cancer Most incident cancer in Brazilian of death occur up to 69 years • 73.610 new cases in 2023 ASR: 41.89/100 thousand women ASMR: 16.47/100 thousand Ovary cancer Cervical cancer Third cancer most incident in Eighth cancer most incident in wome Brazilian women • 7,310 new cases in 2023 • 17.010 new cases in 2023 . ASR: 5.01/100 thousand women ASR: 13,25/100 thousand • 3.920 deaths in 2020 . ASMR: 3.62/100 thousand women • 6,627 deaths in 2020 ASMR: 6.12/100 thousand Corpus uteri Seventh cancer most incident in Despite the relevance of women's role in the Brazilian economy, the impact of gynecological 7.840 new cases in 2023. and breast cancer deaths are unknown ASR: 4.13/100 thousand w • 1.944 deaths in 2020 ASMR- 1 80/100 thousand

Aim

To measure the indirec economic impact of gynecological and breast cancer deaths in economically active Brazilian between 2001 and 2030

Method

- ❖ Mortality data obtained from the Mortality Information System,
- Economic and demographic data were obtained from Brazilian Institute of Geography and Statistics,
- ❖ Years of Potential Productive Life Lost (YPLL) and Productivity Loss were calculated for women aged 15 years and older at the time of death for the period 2001-2015, and projected up to 2030,
- Analysis were carried out according to the five Brazilian regions (North, Northeast, South, Southeast, Midwest),
- ❖ The Human Capital Approach (HCP) was used for estimating productivity loss,
- The estimated values in local currency (Brazilian reais) were converted to international dollars (Int\$).

Results

- We estimated 969.2 thousand of deaths, corresponding to 25.3 million of YPLL and Int\$26.8 billion of lost productivity during 2001-2030.
- Half of these deaths were attributable to breast cancer (55,796), which was the leading cause of death among the studied cancers in four of the five Brazilian regions (Northeast, Southeast, South, and Midwest)
- Cervical cancer was the leading cause of death in the North Region, where the highest relative increase (234%) in productivity loss was observed between 2001-2015 (Int\$ 1.8 billion) and 2016-2030 (Int\$ 2.3 billion)

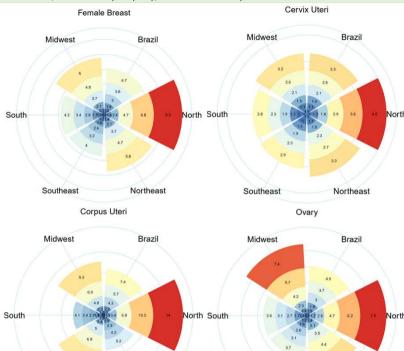
Barriers To Control Breast And Cervical Cancer In Brazil

Cervical cancer:

- · Socioeconomic and demographic inequalities,
- Inadequate access to health services,
- Difficulties in accessing vaccination and screening,
- Lack of organized screening program.

Breast cancer:

- · Socioeconomic and demographic inequalities,
- Opportunistic screening program is insufficient to cover the target population (50-69 years old) and has low adherence of part of the population,
- Inadequate access to health services.



Relative growth of productivity loss according to breast and gynaecological cancer, from 2001-2005 to 2016-2026 (inside out)

Final Considerations

Southeast

Gynecological and breast cancer are public health issues and also have economic impact in Brazil; between 2001-2030 the productivity loss due to premature mortality will be Int\$26.8 billion. Improving prevention strategies and access to early diagnosis and treatment, by reducing social inequalities, are crucial to reduce the mortality by these cancers in the coming years.

REFERENCES