



Institute of Human
Virology, Nigeria



Cancer Incidence in Nigeria: a report from population-based Cancer Registries

Jedy-Agba E, Curado MP,
Ogunbiyi O, Oga E, Igbinoba
F, Koechlin A, Dakum P,
Blattner W, and Adebamowo
CA

EP-746

Systems in Cancer Control

Cancer Incidence in Nigeria: a report from population-based cancer registries

Presenting author- Elima Jedy-Agba

Introduction

- Cancer Incidence is increasing worldwide with a greater burden expected to be borne by poor countries by 2030.
- Despite this threat to public health in developing countries few of these countries have data on cancer incidence.
- This study aimed to provide estimates on cancer incidence in Nigeria, the most populous country in Africa and home to over 160 million people.

Methodology

- Estimates of cancer incidence in Nigeria were calculated for 2009-2010 based on data from 2 population-based cancer registries (PBCR), The Ibadan Cancer Registry (IBCR) in the south-west and the Abuja Cancer Registry (ABCR) in the north-central. Both are part of the Nigerian National System of Cancer Registries (NSCR).

Results

- A total of 4521 cases of invasive cancer in both registries were recorded, 2985 (66%) in females and 1536 (34%) in males.
- The most common cancers in Nigeria are cancers of the breast and cervix in women and cancer of the prostate in men.

Cancer Incidence in Nigeria: a report from population-based cancer registries

Presenting Author: Elima Jedy-Agba

| Cancer site | ASR per 100,000 (IBCR) | ASR per 100,000 (ABCR) | Incidence rate ratio (95% CI) | Mean age at diag. |
|-------------------|------------------------|------------------------|-------------------------------|----------------------------|
| All cancers men | 66.4 | 58.3 | 1.13 [0.79;1.65] | 51.1 (IBCR) 49.9 (ABCR) |
| Prostate | 17.4 | 25.9 | 0.65 [0.33;1.25] | 68.2 (IBCR) 66.0 (ABCR) |
| All Cancers women | 130.6 | 138.7 | 0.94 [0.74;1.21] | 49.1 (IBCR) 45.4 (ABCR) |
| Breast | 52.0 | 54.6 | 0.78 [0.53;1.13] | 47.5 (IBCR) 44.8 (ABCR) |
| Cervix | 36.0 | 30.3 | 1.20 [0.72;2.02] | 56.1 (IBCR) 52.3 (ABCR) |

Table 1: Age standardized incidence rates , Incidence rate ratios and mean age of diagnosis for IBCR and ABCR

*IBCR values used as reference for IRR calculation.

Cancer Incidence in Nigeria: a report from population-based cancer registries

Presenting author: Elima Jedy-Agba

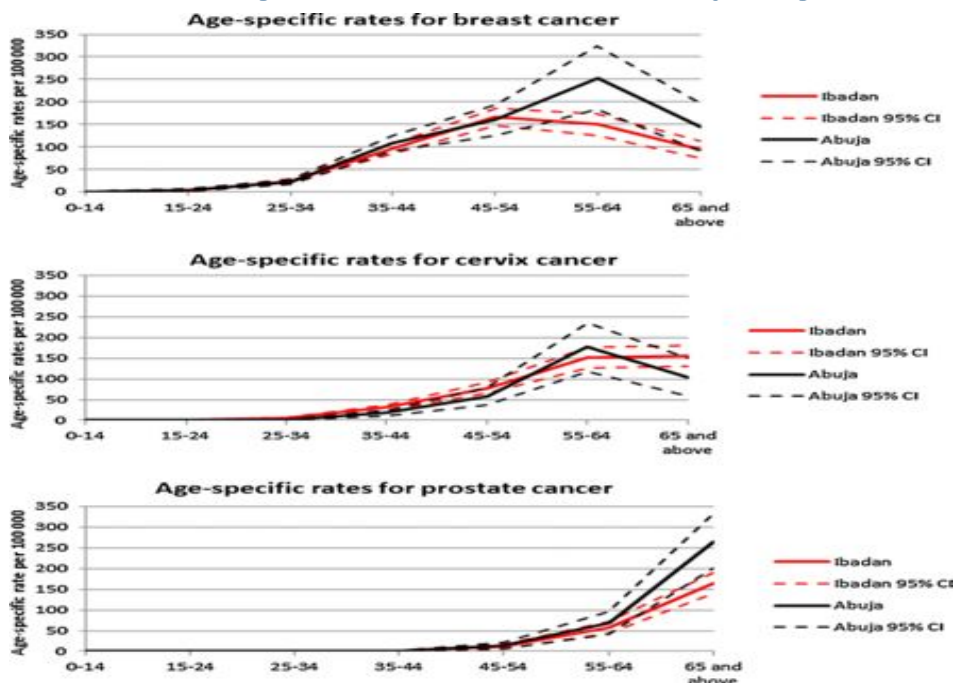


Figure 1: Age specific rates for the 3 most common cancers in Nigeria for IBCR and ABCR.

Conclusion

- Our study highlights the need for high quality regional cancer registries to serve a large country like Nigeria in order to adequately inform policy and cancer control strategies.

References

1. Sylla BS, Wild CP. A million Africans a year dying from cancer by 2030: what can cancer research and control offer to the continent? *Int J Cancer* 2011.
2. Jedy-Agba E, Curado MP, Ogunbiyi O, Oga E, Fabowale T, Igbinoba F, et al. Cancer incidence in Nigeria: A report from population-based cancer registries. *Cancer Epidemiol* 2012; <http://dx.doi.org/10.1016/j.canep.2012.04.007>

Acknowledgements

Supported by the IHV-UM Capacity Development for Research into AIDS Associated Malignancies (NIH/NCI D43CA153792-01) and IHV-UM AIDS International Training and Research Program (NIH/ FICD43TW001041-11).