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Describe cancer incidence patterns by age and sex for the first time in Addis Ababa City using population-based incidence data

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Background: Addis Ababa City Cancer Registry (AACCR), the first and the only population-based cancer registry in Ethiopia, was established in September 2011 and covers about 3 million people. The purpose of this study is to describe cancer incidence patterns by age and sex for the first time in Addis Ababa City using population-based incidence data.

Methods: The AACCR is housed in the Radiotherapy Center at the Medical Faculty of Addis Ababa University Hospital, the only oncology referral center in the country. Data on newly diagnosed cancer cases are actively abstracted from medical charts of 22 major treatment or diagnostic facilities in the city. These data are entered and analyzed using CanReg5 program and Microsoft Excel. Rates were standardized to the 1960 World Standard Population.

Results: Results from AACCR show that in 2012, 2013 and 2014 there were 6234 new cases of cancer diagnosed in

Addis Ababa (excluding non-melanoma skin cancer). Of the 6234 newly diagnosed cancer cases in 2012–2014, 67% were women and 33% were men. This result corresponds to age-standardized incidence of (137.8). Among women, the five most common incident sites of cancer were the breast (28%), cervix (14%), ovary (6%), leukemia (5%), and thyroid (4%). Among men, the five most common cancer diagnosed in 2012 and 2013 were the colorectal (12%), NHL (11%), leukemia (11%), Prostate (7%), and lung (5%). For all cancers combined, the average annual age-standardized rate (ASR, per 100,000 persons) was nearly twice as high in women (137.8) as in men (70.3).

Conclusion: While the incidence patterns in women in Addis Ababa are generally similar to those reported in neighboring countries, the registry finding of colorectal cancer as the most commonly diagnosed cancer in men in Addis Ababa is novel in the African settings and requires further etiologic investigation.

Biography

Solomon Endalew is the Chief Administrative Officer at Addis Ababa, Ethiopia. He has studied from Dilla University, Gojjam Ber Secondary School, Injibara General Secondary & Preparatory School, Addis Ababa, Ethiopia.

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