



Epidemiology & Bio- Statistics

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PhD(Medicine) Senior Scientific Officer (Assistant Director Grade)

Brief description of the work done-

A thorough knowledge about magnitude of Cancer in India and globally is very important to combat cancer Epidemic. The main objective of the department is to estimate cancer burden in Kolkata .Assessment of risk factors is important to formulate preventive strategies. Kolkata, being a Mega city provides a representation of heterogeneous population of multicultural and socio- economic classes. The city has adequate diagnosis and treatment facilities for cancer. Population Based Cancer Registry of Kolkata (PBCR - Kolkata) in its present form was initiated under the guidance and financial support of National Cancer Registry Programme (NCRP) from January 1, 2005. PBCR - Kolkata covers 185 sq kms and 141 wards of Kolkata Municipal Corporation (KMC). The estimated population of PBCR-Kolkata, as provided by NCRP, for the year 2013 is 4.48 million (male: 2.33 million, female: 2.14 million). In 2013,In males, the commonest cancers, in descending order was Lung ,Prostate, Mouth Tongue and Larynx . The 5 commonest sites of cancer in female was Breast, Cervix Uteri, Ovary, Gall bladder and Lung. The trend is more or less same in 6 successive years.

Projects running

1. Population based cancer registry, Kolkata.

Principal investigator

Prof. (Dr.) Jaydip Biswas, Director

2. Sociodemographic Risk factors & Cancer

An ongoing epidemiological study is going on different parameters including tobacco habit, dietary history, reproductive history, family history. BMI and other parameters. A pretested questionnaire is used. PBCR project staffs retrieve data (New cancer cases in a year) by direct interview from cancer patients attending outdoor of Chittaranjan National Cancer Institute.

Interesting observations

In Population Based Cancer Registry in Kolkata, Chittaranjan National Cancer Institute is providing the largest no. of data of cancer in five consecutive time periods. All diagnostic & treatment facilities are available at free of cost or minimum cost in CNCI. This may explain the highest no. of Kolkata patients attending CNCI. The five leading sites of cancer are same in both male and female in Kolkata with time.

Miscellaneous

Dr. Karabi Datta

- Supervision of day to day work of Population Based Cancer Registry and communication with Source centers.
- Regularly screen female patients attending Cancer Detection Centre along with Cancer Awareness training on all working days.
- Taking classes on Community Medicine specially related to Cancer Epidemiology to PhD students.
- Taking classes on Cancer screening to nursing staff of CNCI & Chittaranjan Seva Sadan Hospital, Kolkata and Bangur Institute of Neurology.

Dr. Syamsundar Mandal

- Participated in the XXXIth Annual Review Committee Meeting of National Cancer Registry Programme held at Mumbai in 2015 from 5th to 6th October. Presented Population Based Cancer Registry Report of Kolkata and discussed about recommendations for improvement of Registry work.