

# Assignment 1

## Abstract Abstract

Rates. The report also provided projected numbers of cancer cases at the India country level for selected leadingsites. Objective: In the present paper, an attempt has been made to project cancer cases for India by sex, years and cancer groups. The Linear Regression method was used to assess the time trend and the projection of rates for the periods 2010-2020. For whichever sites where trends were not found to be significant, their latest rates were taken into consideration and assumed to remain same for the period 2010-2020. For the year 2010, the number of cancer cases related to digestive system, for both males and females, are estimated to be 107,030 and 86,606 respectively. For, head and neck cancers, the estimates are 122,643 and 53,148 cases, respectively.

## Introduction

The Indian Council of Medical Research started a National Cancer Registry Programme in the year 1982 with the main objective of generating reliable data on the magnitude and pattern of cancer in

India. There are 24 population-based cancer registries which are currently functioning under the network of NCRP. Of these, six PBCR's have been functioning since the year 1982/88.

This report depicts the changes in incidence rates of cancer from five urban registries and one rural registry of India. In the last chapter of the report, an attempt was made to project the number of cancer cases at India level for selected leadings sites.

Barshi, Bhopal, Chennai, Delhi and Mumbai for the years 2001-2005 formed the sources of data. In addition, the latest incidence data of North Eastern Registries for the year 2005-06 was utilized . The CR is preferable to the age-adjusted rate as the latter is more suitable for comparison of rates between areas than for assessing the disease burden for the area. The CRs of various cancer sites provided in the report of 2005-06 for the North East region were assumed to represent the respective areas. For the rest of the Indian states, the pooled crude rates of all urban registries were taken to represent them.