

# POPULATION BASED CANCER REGISTRY, CHENNAI

## Cancer Institute (WIA), Adyar, Chennai

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## **Background**

The Madras Metropolitan Tumour Registry (MMTR), a Population Based Cancer Registry, was established at the Cancer Institute (W.I.A) in 1981. It caters to an area of 170 km<sup>2</sup> and a population (entirely metropolitan) of 4.65 millions (989 Females to 1000 Males) as on March 1<sup>st</sup>, 2011 constituting 6.4% of total population of state of Tamil Nadu. Cancer care facilities in Chennai, including diagnosis and treatment, are provided by the government health services, the Cancer Institute (WIA), which is a Regional Cancer Centre in Ministry of Health and Family Welfare, Government of India and supplemented by private practitioners and hospitals.

## **Methods**

Registration in MMTR is predominantly done by active case-finding. MMTR continues to get good cooperation from all health care facilities in and around Chennai with greater than 250 sources of registration till date: government and private hospitals, nursing homes, clinics, consultants, pathology laboratories, imaging centres and hospices. The cancer registrars of the registry visit these sources regularly and collect data on cancer by interviewing the cases wherever possible and/or from medical records. Mortality information is collected from the Vital Statistics Division (VSD) of the Corporation of Chennai. Reliability of data and quality of registration are constantly monitored with emphasis on complete coverage. Validity checks are done using IARC, NCRP and other in-house developed computer programs.

## **Implications**

MMTR publishes periodic reports and descriptive epidemiological studies on cancer incidence, pattern and trend. Its expertise is extended to the Tamil Nadu Cancer Registry Project, conducted in collaboration with Department of Health and Family Welfare of the State Government covering 73 million population, the largest by any registry in the world. Recognizing these efforts, the state health authorities are contemplating to declare cancer as a notifiable disease in Tamil Nadu.

**Staff doing MMTR work**

<b>Mr Balasubramanian S.</b> : Computer Programmer	<b>Ms Parimala A.</b> : Social Investigator
<b>Mr Sampath P.</b> : Statistical Assistant	<b>Mr Ramesh N.</b> : Social Investigator
<b>Mr Murugaiyan J.</b> : Senior Investigator	<b>Mr Sivakumar M.</b> : Social Investigator
<b>Mr Sambandam T.S.</b> : Senior Investigator	<b>Mr Sridhar N.</b> : Social Investigator
<b>Mr Selvakumaran R.</b> : Senior Investigator	<b>Mr Veeramani K.</b> : Social Investigator
<b>Mr Dharumadurai V.</b> : Social Investigator	<b>Ms Ananthi T.</b> : Data Entry Operator
<b>Mr Gandeepan D.</b> : Social Investigator	<b>Ms Bagyalakshmi P.</b> : Data Entry Operator
<b>Mr Murugesh R.</b> : Social Investigator	<b>Ms Chandrakala T.</b> : Data Entry Operator

**Main Sources of Registration of Incident Cases of Cancer: 2012-2013  
Chennai**

<b>Name of the Institution</b>	<b>Number</b>	<b>%</b>
Cancer Institute (WIA), Chennai-20	1942	16.7
Government General Hospital, Chennai-3	1451	12.4
Apollo Hospital, Chennai-6	890	7.6
Government Royapettah Hospital, Chennai-14	811	7.0
Government Stanley Hospital, Chennai-1	710	6.1
Corporation of Chennai, Chennai-3	671	5.7
Dr Rai Memorial Cancer Centre, Chennai-18	472	4.0
V.S. Hospital	407	3.5
Billroth Hospital, Chennai-30	358	3.1
Sri Ramachandara Medical and Research Centre	279	2.4
Govt. Women's and Children's Hospital, Chennai-8	250	2.1
Kumaran Nursing Home, Chennai-10	216	1.9
St. Issabels Hospital, Chennai-4	195	1.7
Vijaya Hospital, Chennai-24	144	1.2
Tamil Nadu Hospital, Chennai-96	137	1.2
Southern Railway Hospital, Chennai-23	134	1.1
Patersan Cancer Centre	128	1.1
Government E.S.I. Hospital K.K. Nagar, Chennai-78	124	1.1
Government Dental Hospital, Chennai-1	121	1.0
Sundaram Medical Foundation, Chennai	114	1.0
Kalyani General Hospital, Chennai-4	111	1.0
Others	1994	17.1
<b>Total</b>	<b>11659</b>	<b>100.0</b>

1. Institutions listed have registered at least one percent of all cases in the registry for Selected Year.
2. The numbers and proportion listed are the minimum number of cases. Institutions could have registered/ reported more cases, since duplicate registrations and non-resident/registry cases are not included.