

# POPULATION BASED CANCER REGISTRY – GUWAHATI KAMRUP URBAN DISTRICT

## Dr B. Borooah Cancer Institute, Guwahati

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Population Based Cancer Registry, covers whole of Kamrup Urban District (KUD) with a population of 12,73,910 of which 672,316 are males and 601,594 are females for the year 2011 (applying difference distribution methods using 2001 as base year). Kamrup District covers an area of 4107 sq. km out of which KUD has an area of 336 sq. km. The population density is 581 per sq. km. it is situated in 26.11 north latitude and 96.46 east longitude approximately 200 inches (656 feet) above sea level.

PBCR Guwahati was established in 2003 in department of pathology of Dr B Borooah Cancer Institute (BBCI), Guwahati which is a Regional Cancer Centre. Since its inception the registry has been collecting information on cancer of resident population of KUD of Assam systematically and continuously with financial and technical support of Indian Council of Medical Research (ICMR-NCRP), NCDIR. Aim of the registry is to measure the burden and observe the pattern of cancer to conduct site specific research for control of cancer in KUD.

Cancer is not a notifiable disease in India hence data collection is an active process with voluntary participation of various sources of registration within the registry area. Dr B Borooah Cancer Institute registers little more than 44% of the cancer cases of KUD and rest of the data are contributed by various multi specialty hospitals, diagnostic centres, pain and palliative care centre and state referral board. All cause mortality data have been collected from 18 BDRCs within the registry. Matching of all cause mortality data with incidence data has resulted in improvement of M/I ratio & reduction in number of DCOs. Data collected undergo various quality checks, duplicate checks and matching using PBCRDM 2.1 software and subsequently data are sent to NCRP headquarter for a series of further checks before preparing the final tables to be incorporated in the consolidated report.

### **Registry Staff**

<b>Dr Debanjana Barman, MD</b>	:	Medical Research Officer
<b>Mrs Arpita Sharma, MCA</b>	:	Computer Programmer
<b>Mr Manoj Kalita, MSc</b>	:	Statistician
<b>Mr Jamil Ahmed Barbhuiya, MSW</b>	:	Social Investigator (Till January, 2015)
<b>Mr Ranjan Lahon, MA</b>	:	Social Investigator
<b>Mrs Barsha Roy, MA</b>	:	Social Investigator
<b>Mr Chinmoy Misra, MA</b>	:	Social Investigator (From February, 2015)
<b>Mr Kamal Kumar Deka, MSc-IT</b>	:	Computer Operator

**Main Sources of Registration of Incident Cases of Cancer: 2012-2014**  
**Kamrup Urban District**

<b>Name of the Institution</b>	<b>Number</b>	<b>%</b>
Dr B. Borooah Cancer Institute, Gopinath Nagar, Guwahati-16	2417	44.2
Ayur Sundra Diagnostic Centre	348	6.4
Guwahati Medical College Hospital, Bhangagarh, Guwahati	288	5.3
Ekopath, G.S. Road, Guwahati	195	3.6
Saharias Path Lab, Guwahati	186	3.4
Nemcare Hospital, G.S. Road, Guwahati-5	184	3.4
International Hospital, G.S. Road, Guwahati	149	2.7
Cancer Atlas	122	2.2
Central Hospital, NF Railway Maligaon	118	2.2
Pain and Palliative Clinic	118	2.2
Matrix Diagnostic	91	1.7
Dispur Hospital, Dispur, Guwahati-6	88	1.6
BDRC, Joint Director Office	82	1.5
Saint Jones Hospital	78	1.4
Downtown Hospital G.S. Road, Guwahati-6	71	1.3
Nightingale Hospital, Guwahati	69	1.3
BDRC, Dispur	63	1.2
Satribari Christian Hospital	61	1.1
BDRC, Dhirenpara	53	1.0
Others	682	12.5
<b>Total</b>	<b>5463</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.