



PUNJAB CANCER REGISTRY REPORT 2008-2010

The **Punjab Cancer Registry** was set-up in February 2005 to determine the population-level cancer statistics in the region. Initially, attempts were made to collect information from cancer patients in the region of Punjab. Effective July 1, 2008, the Registry started collating data on cancers diagnosed and treated among the residents of Lahore district. At present, the Registry has around 30 members in over 12 participating centers in the city.

The purpose of setting-up the Registry is to report the incidence and mortality of cancer and to determine survival in cancer patients, in a specified population within a defined geographic area. Currently, the population living in the district of Lahore is being studied by the professionals of Lahore. Concomitantly, guidance regarding establishing a Registry has been given to the practitioners belonging to the cities of Multan and Bahawalpur, among others.

Although collection of information on cancer cases in Lahore district is underway, it has been estimated that cancer cases are still being underreported by about 40%. Once the reporting is complete, the statistics from the Registry will have major implications for healthcare leaders and policy-makers and will help in preparing programs for early detection, control, and prevention of cancer. It is hoped that this will eventually lead to a decrease in the mortality due to cancer and an improvement in survival, along with a reduction in the cancer associated morbidity.

A summary of the two-year statistics for Lahore district, between July 1, 2008 and June 30, 2010, in the population of Lahore district, is given in Tables 1-3:

1. Total and most frequently reported cancers stratified by gender;
2. Most frequently reported cancers stratified by age-group (children and adults); and
3. Center wise summary.

Table 1. Total and frequently reported cancers, stratified by gender in a 2-year time period (Jul. 1, 2008-Jun. 30, 2010)

<u>Total cases reported</u>	<u>Count</u>	<u>%</u>
(Underreporting is by about 40%)		
Total malignancies reported	11,046	100
Female	6,430	58.2
Male	4,616	41.8
<u>Five most frequently reported cancers-All age-groups, & both genders combined</u>		
<u>(Rest are miscellaneous)</u>		
Breast	3,079	27.9
Non-Hodgkin's Lymphoma	643	5.8
Lip & oral cavity	505	4.6
Colon, rectum, & anus	494	4.5
Brain	436	3.9
<u>Stratification by gender</u>		
<u>Five most frequently reported cancers in females</u>		
Breast	3,035	47.2
Ovary	299	4.7
Corpus uteri	241	3.7
Colorectal	204	3.2
Lip & oral cavity	203	3.2

<u>Five most frequently reported cancers in males</u>		
Non-Hodgkin's Lymphoma	395	8.6
Prostate	317	6.9
Lip & oral cavity	302	6.5
Colorectal	290	6.3
Brain	286	6.2

Table 2. Most frequently reported cancers, stratified by age-group (children and adults), in a 2-year time period (July 1, 2008-June 30, 2010)

<u>Stratification by age-group</u>	<u>Count</u>	<u>%</u>
(Underreporting is by about 40%)		
<u>Total malignancies reported by age-group</u>	11,046	100
Adults (age > / = 15)	10,585	95.8
Children (age < / = 15)	461	4.2
<u>Five most frequently reported cancers in adults</u> (Rest are miscellaneous)		
Breast	3,074	29.0
Non-Hodgkin's Lymphoma	582	5.5
Lip & oral cavity	504	4.8
Colorectal	489	4.6
Brain	388	3.7
<u>Five most frequently reported cancers in children</u> (Rest are miscellaneous)		
Acute Lymphoblastic Leukemia	86	18.7
Non-Hodgkin's Lymphoma	52	11.3
Gliomas	48	10.4
Hodgkin's Lymphoma	43	9.3
Retinoblastoma	39	8.5

Table 3. Center wise summary in a 2-year time period (July 1, 2008-June 30, 2010)

<u>Reporting centers in Lahore district</u>	<u>Count</u>
(Underreporting is by about 40%)	
Allama Iqbal Medical College/Jinnah Hospital	117
Children's Hospital	37
Chughtai's Lahore Lab.	143
Fatima Jinnah Medical College	175
Fatima Memorial Hospital	133
Institute of Nuclear Medicine and Oncology	777
Indus Lab.	0
Ittefaq Hospital	342
King Edward Medical University	25
Pride Lab.	0
Services Institute of Medical Sciences	199
Shalamar Hospital	11
Shaukat Khanum Memorial Cancer Hospital & Research Center	8,891
Sheikh Zayed Hospital	173
Social Security Hospital	23
Total	11,046