

COLLECTIVE CANCER REGISTRY REPORT-DECEMBER 1994 TO DECEMBER 2023: SHAUKAT KHANUM MEMORIAL CANCER HOSPITAL AND RESEARCH CENTRE, PAKISTAN

Section of Cancer Registry and Clinical Data Management
Shaukat Khanum Memorial Cancer Hospital and Research Centre, Lahore, Pakistan.

Shahid Mahmood, Raqib Faraz, Aneel Yousaf, Ain ul Quader, Hina Asif, Adna Atif, Roma Tanveer, Azam Hussain, Ayesha Zafar, Usman Amin, Sabeera Iqbal, and Farhana Badar

CANCER STATISTICS

This report includes patients registered at Shaukat Khanum Memorial Trust (SKMT)-affiliated centres and filed into the Hospital Information System. These comprise the hospitals named the Shaukat Khanum Memorial Cancer Hospital and Research Centre (SKMCH&RC) and the affiliated centres.

Distribution of neoplasms

In 29 years, from December 29, 1994, to December 31, 2023, 137,005 neoplasms were registered at the SKMT facilities in Pakistan. Of those, 64,187 (46.9%) were seen in males and 72,818 (53.1%) in females. 13,357 tumors (9.7%) were diagnosed in children, compared to 123,648 tumors (90.3%) in adults. Patients who were 18 years of age or younger were classified as children, and those who were older than 18 years were classified as adults. The stratification of cases by age group and behavior is shown in Table 1.

Table 1. Distribution of neoplasms by behavior and age group, SKMCH&RC, December 29, 1994, to December 31, 2023.

Behavior	Age group	Registered patients (131,304)	Reported neoplasm* (137,005)
Malignant~	Adults	112,391	114,824
	Pediatrics	12,865	12,948
	Total	125,256	127,772
Benign^ and uncertain behavior	Adults	8,033	8,824
	Pediatrics	384	409
	Total	8,417	9,233

*The difference in the number of registered patients and reported neoplasms is attributed to multiple malignancies and benign neoplasms diagnosed in 2,516 and 816 patients, respectively. Further, 2,369 patients simultaneously had malignant and benign neoplasms.

~Cases with behavior codes /3 and /2 are considered malignant.

^Cases with behavior codes /0 and /1 are benign and uncertain, respectively.

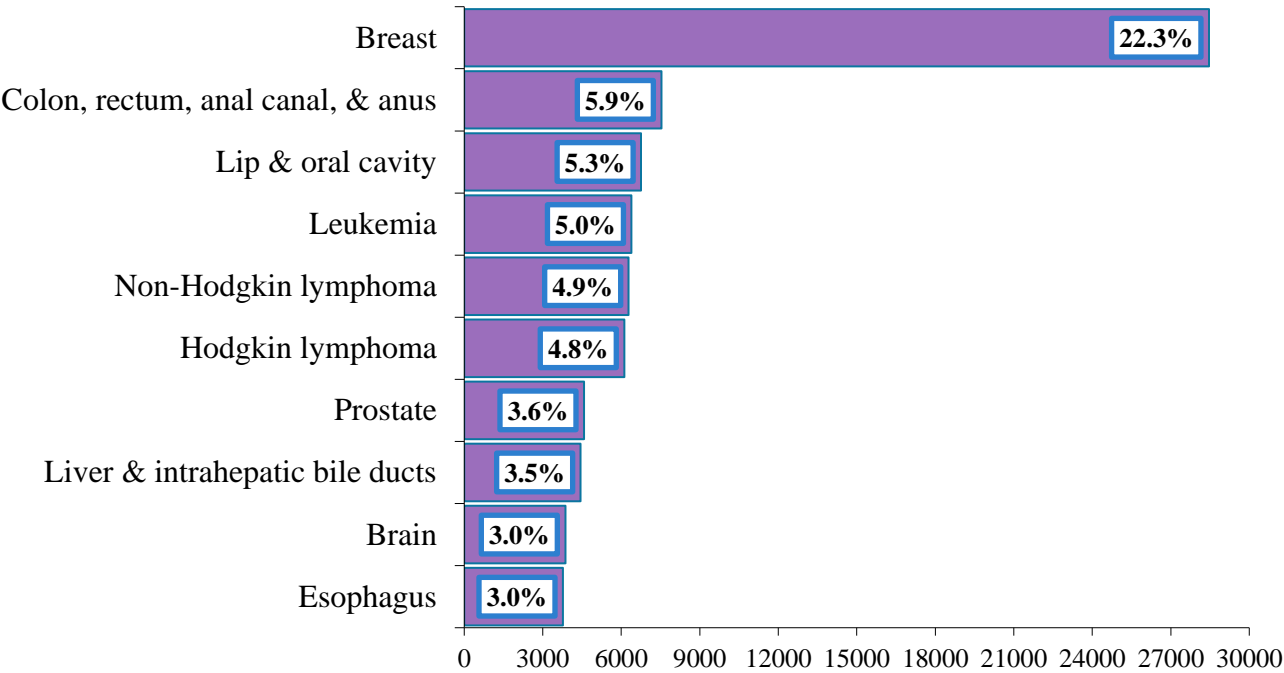
Demographics

Table 2. Distribution of malignancies (N=127,772) according to the geographic area of residence of the patients, SKMCH&RC, December 29, 1994, to December 31, 2023.

Demographic area	Malignancies (N=127,772)	Percent (%)
Punjab	84,421	66.1
Khyber Pakhtunkhwa (includes FATA*)	26,586	20.8
Sindh	4,037	3.2
Balochistan	1,853	1.5
Federal Capital	1,422	1.1
Gilgit-Baltistan	247	0.2
Azad Jammu and Kashmir	1,230	1.0
Afghanistan	7,764	6.0
Other countries	51	0.04
Not Defined	161	0.1

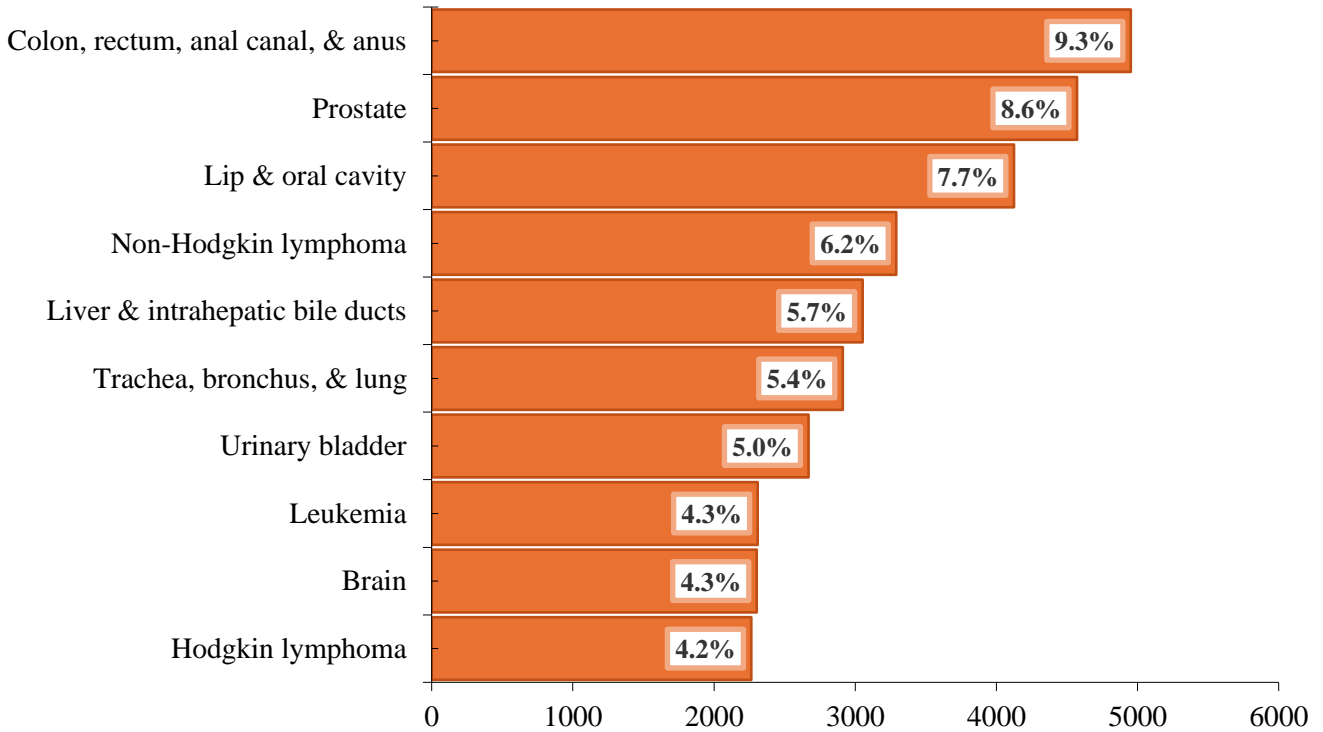
* The administrative unit of FATA was included in the province of Khyber Pakhtunkhwa on May 28, 2018.

Figure 1. Top 10 malignancies among all age groups, both sexes (N=127,772), SKMCH&RC, December 29, 1994, to December 31, 2023.



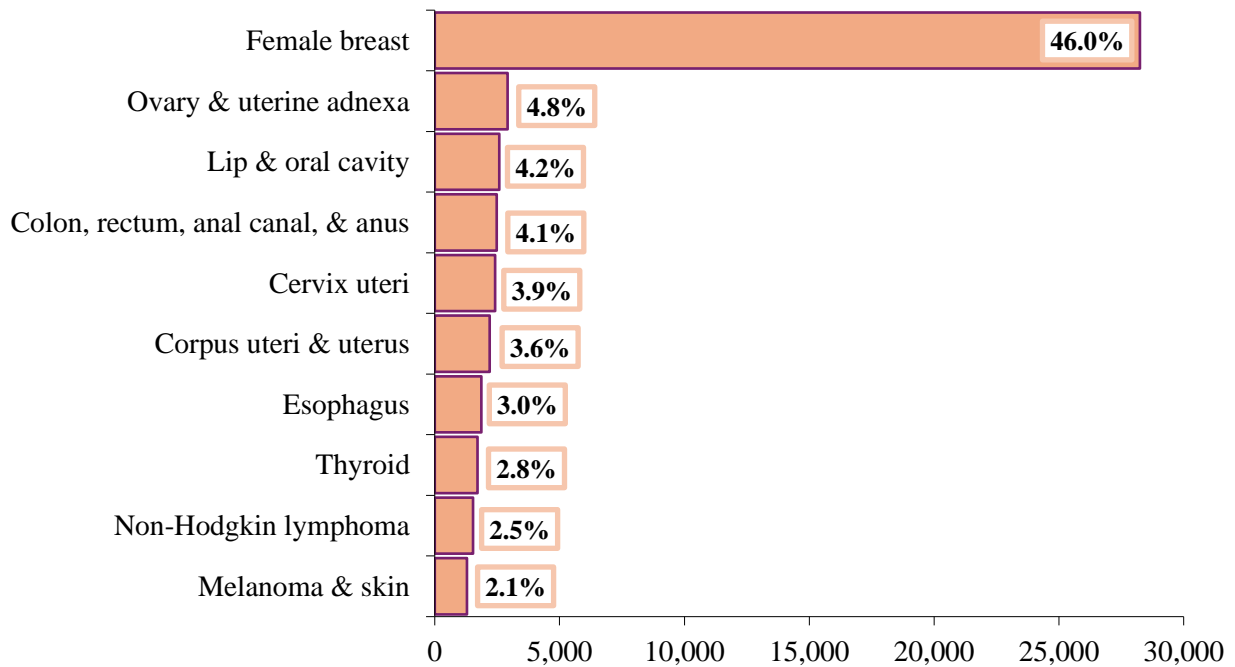
Data Source: Cancer Registry & Clinical Data Management, SKMCH&RC

Figure 2. Top 10 malignancies in adult males (> 18 years (N = 53,473)), SKMCH&RC, December 29, 1994, to December 31, 2023.



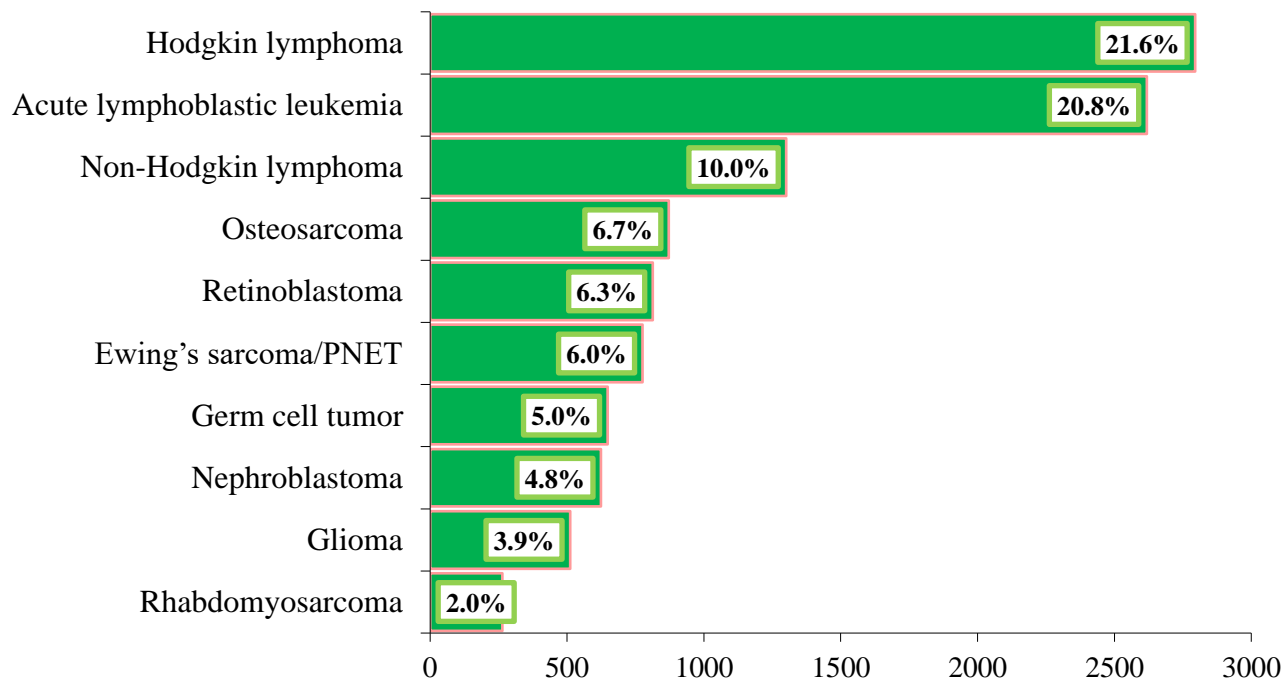
Data Source: Cancer Registry & Clinical Data Management, SKMCH&RC

Figure 3. Top 10 malignancies in adult females (> 18 years (N = 61,351)), SKMCH&RC, December 29, 1994, to December 31, 2023.



Data Source: Cancer Registry & Clinical Data Management, SKMCH&RC

Figure 4. Top 10 malignancies in children (<= 18 years (N = 12,948)), both sexes, SKMCH&RC, December 29, 1994, to December 31, 2023 (ICD-O-3 coding scheme for childhood cancers).



Data Source: Cancer Registry & Clinical Data Management, SKMCH&RC

Revised in July 2024