

Chapter 12

HISTOLOGIC TYPES OF SELECTED SITES OF CANCER

The number and relative proportion of the specific histological types of cancer (for Microscopically Diagnosed Cases) as appropriate for the selected anatomical sites of cancer are given below.

Tongue (ICD-10: C01-C02)

Table 12.1: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	20	3.2	89	27.4	1	0.3	33	3.7	18	12.5	5	1.7	-	-
Carcinomas	2	0.3	32	9.8	4	1.1	9	1.0	1	0.7	2	0.7	1	0.6
Verrucous Carcinomas	4	0.6	-	-	1	0.3	5	0.6	1	0.7	-	-	-	-
Squamous Cell Carc.	596	95.2	199	61.2	348	97.5	842	94.0	123	85.4	292	97.7	152	98.8
Adenocarcinoma	-	-	3	0.9	1	0.3	3	0.3	-	-	-	-	98.7	-
Others	4	0.6	2	0.6	2	0.6	4	0.4	1	0.7	-	-	1	0.6
All Microscopic	626	100.0	325	100.0	357	100.0	896	100.0	144	100.0	299	100.0	154	100.0
FEMALES														
Neoplasm Malignant	1	0.5	13	14.9	1	0.9	8	1.9	4	8.5	-	-	-	-
Carcinomas	1	0.5	9	10.3	2	1.9	3	0.7	-	-	-	-	-	-
Verrucous Carcinomas	2	1.1	-	-	1	0.9	1	0.2	-	-	-	-	-	-
Squamous Cell Carc.	178	96.2	62	71.3	104	96.3	411	96.5	43	91.5	93	98.9	25	100.0
Adenocarcinoma	2	1.1	1	1.1	-	-	2	0.5	-	-	-	-	-	-
Others	1	0.5	2	2.3	-	-	1	0.2	-	-	1	1.1	-	-
All Microscopic	185	100.0	91	100.0	108	100.0	430	100.0	47	100.0	94	100.0	25	100.0

Mouth (ICD-10: C03-C06)**Table 12.2: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	6	0.5	12	3.6	1	0.2	27	2.3	15	7.0	-	-	-	-
Carcinomas	3	0.3	27	80.0	5	1.2	14	1.2	3	1.4	3	1.0	2	2.9
Verrucous Carcinomas	22	2.0	16	4.7	4	0.9	16	1.3	2	0.9	20	6.6	-	-
Squamous Cell Carc.	1069	95.8	272	80.5	400	94.8	1107	92.9	188	88.3	277	90.8	64	94.1
Adeno Carcinoma	8	0.7	6	1.8	4	0.9	9	0.8	2	0.9	1	0.3	-	-
Others	8	0.7	5	1.5	8	1.9	18	1.5	3	1.4	4	1.3	2	2.9
All Microscopic	1116	100.0	338	100.0	422	100.0	1191	100.0	213	100.0	305	100.0	68	100.0
FEMALES														
Neoplasm Malignant	4	1.3	13	2.0	7	2.6	11	1.7	2	2.2	-	-	-	-
Carcinomas	-	-	30	4.5	3	1.1	8	1.2	-	-	-	-	-	-
Verrucous Carcinomas	1	0.3	17	2.6	2	0.7	12	1.8	1	1.1	3	2.2	-	-
Squamous Cell Carc.	284	92.8	594	89.9	247	91.8	601	91.9	89	95.7	131	97.0	13	100.0
Adeno Carcinoma	6	2.0	1	0.2	4	1.5	7	1.1	-	-	-	-	-	-
Others	11	3.6	6	0.9	6	2.2	15	2.3	1	1.1	1	0.7	-	-
All Microscopic	306	100.0	661	100.0	269	100.0	654	100.0	93	100.0	135	100.0	13	100.0

Pharynx (ICD-10: C09-C10 and C12-C14)**Table 12.3: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	37	7.6	239	40.0	6	2.2	105	13.1	49	8.5	6	0.7	2	1.5
Carcinomas	4	0.8	35	5.6	14	5.0	19	2.4	4	0.7	4	0.5	7	5.2
Verrucous Carcinomas	1	0.2	-	-	-	-	-	-	-	-	-	-	-	-
Squamous Cell Carc.	430	88.5	313	52.0	241	86.4	648	80.8	520	90.1	864	98.4	111	82.8
Adeno Carcinoma	-	-	-	-	-	-	1	0.1	-	-	1	0.1	-	-
Others	14	2.9	15	2.5	18	6.5	29	3.6	4	0.7	3	0.3	14	10.4
All Microscopic	486	100.0	602	100.0	279	100.0	802	100.0	577	100.0	878	100.0	134	100.0
FEMALES														
Neoplasm Malignant	5	4.6	36	31.0	2	1.4	9	6.8	13	11.5	-	-	-	-
Carcinomas	5	4.6	5	4.3	5	3.5	4	3.0	-	-	-	-	-	-
Verrucous Carcinomas	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Squamous Cell Carc.	92	84.4	68	58.6	128	90.1	111	84.1	99	87.6	153	98.7	16	94.1
Adeno Carcinoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	7	6.4	7	6.0	7	4.9	8	6.1	1	0.9	2	1.3	1	5.9
All Microscopic	109	100.0	127	100.0	146	100.0	132	100.0	113	100.0	155	100.0	17	100.0

Oesophagus (ICD-10: C15)**Table 12.4: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	9	2.7	14	4.0	1	0.8	21	4.0	3	1.0	1	0.2	1	0.8
Carcinomas	7	2.1	17	4.8	6	4.6	28	5.4	-	-	2	0.4	9	7.2
Squamous Cell Carc.	277	82.7	287	81.1	112	85.5	382	73.0	290	96.0	484	96.7	95	76.0
Adeno Carcinoma	39	11.6	33	9.3	10	7.6	85	16.3	9	3.0	12	2.4	20	16.0
Others	3	0.9	3	0.8	2	1.5	7	1.3	-	-	3	0.6	-	-
All Microscopic	335	100.0	354	100.0	131	100.0	523	100.0	302	100.0	502	100.0	125	100.0
FEMALES														
Neoplasm Malignant	3	1.7	7	2.6	-	-	1	0.5	4	2.1	-	-	2	2.4
Carcinomas	3	1.7	22	8.2	-	-	12	6.4	3	1.6	2	0.8	3	3.7
Squamous Cell Carc.	155	89.1	234	87.0	85	92.4	152	81.3	182	94.8	248	96.1	77	93.9
Adeno Carcinoma	12	6.9	6	2.2	7	7.6	21	11.2	3	1.6	3	1.2	-	-
Others	1	0.6	-	-	-	-	1	0.5	-	-	5	1.9	-	-
All Microscopic	174	100.0	269	100.0	92	100.0	190	100.0	196	100.0	258	100.0	82	100.0

Stomach (ICD-10: C16)**Table 12.5: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	3	1.8	6	2.8	2	1.2	10	2.2	5	3.5	1	0.9	-	-
Carcinomas	6	3.2	16	7.5	3	1.8	39	8.5	11	7.7	13	12.0	2	8.0
Adeno Carcinomas	104	56.2	141	66.5	114	68.3	320	69.4	115	80.4	70	64.8	11	44.0
Papillary Adeno Carc.	-	-	1	0.5	2	1.2	3	0.7	2	1.4	4	3.7	-	-
Mucinous Adeno Carc.	5	2.7	4	1.9	15	9.0	23	5.0	8	5.6	1	0.9	1	4.0
Signet Ring Cell Carc.	43	23.2	33	15.6	13	7.8	44	9.5	1	0.7	18	16.7	7	28.0
Sarcoma	-	-	1	0.5	-	-	-	-	-	-	-	-	-	-
Others	24	13.0	10	4.7	18	10.8	22	4.8	1	0.7	1	0.9	4	16.0
All Microscopic	185	100.0	212	100.0	167	100.0	464	100.0	143	100.0	108	100.0	25	100.0
FEMALES														
Neoplasm Malignant	3	5.7	6	5.6	1	1.1	8	5.2	3	3.5	1	2.2	-	-
Carcinomas	2	3.3	7	6.5	3	3.4	16	10.5	7	8.2	4	8.9	1	10.0
Adeno Carcinomas	19	31.7	56	51.9	55	61.8	92	60.1	67	78.8	29	64.4	4	40.0
Papillary Adeno Carc.	-	-	-	-	-	-	1	0.7	-	-	2	4.4	-	-
Mucinous Adeno Carc.	2	3.3	-	-	8	9.0	5	3.3	3	3.5	-	-	-	-
Signet Ring Cell Carc.	24	40.0	30	27.8	12	13.5	24	15.7	4	4.7	8	17.8	3	30.0
Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	10	16.7	9	8.3	10	11.2	7	4.6	1	1.2	1	2.2	2	20.0
All Microscopic	60	100.0	121	100.0	89	100.0	153	100.0	85	100.0	45	100.0	10	100.0

Lung (ICD-10: C33-C34)**Table 12.6: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	156	29.8	54	22.5	61	26.1	782	45.1	9	13.8	5	2.4	3	1.5
Large Cell Carcinoma	-	-	-	-	-	-	5	0.3	-	-	6	2.9	-	-
Undiff/Anaplastic Carc.	1	0.2	-	-	-	-	1	0.1	2	3.1	9	4.3	1	0.5
Small Cell Carc.	52	9.9	13	5.3	24	10.3	108	6.2	7	10.8	14	6.7	31	15.8
Squamous Cell Carc.	132	25.2	25	10.3	40	17.1	208	12.0	24	36.9	51	24.3	21	10.7
Other Carcinomas	7	1.3	19	7.8	26	11.1	69	4.0	1	1.5	1	0.5	9	4.6
Adeno Carcinoma	151	28.9	34	14.0	56	23.9	370	21.3	19	29.2	74	35.2	20	10.2
Others	24	4.6	98	40.3	27	11.5	192	11.1	3	4.6	50	23.8	111	56.6
All Microscopic	523	100.0	243	100.0	234	100.0	1735	100.0	65	100.0	210	100.0	196	100.0
FEMALES														
Neoplasm Malignant	48	31.2	13	20.0	21	28.8	136	40.0	3	13.6	2	2.9	2	5.1
Large Cell Carcinoma	1	0.6	-	-	-	-	1	0.3	-	-	1	1.4	-	-
Undiff/Anaplastic Carc.	1	0.6	-	-	-	-	-	-	1	4.5	1	1.4	-	-
Small Cell Carc.	9	5.8	1	1.5	3	4.1	5	1.5	2	9.1	-	-	8	20.5
Squamous Cell Carc.	9	5.8	2	3.1	3	4.1	19	5.6	6	27.3	8	11.6	1	2.6
Other Carcinomas	6	3.9	-	-	9	12.3	14	4.1	-	-	-	-	2	5.1
Adeno Carcinoma	76	49.4	21	32.3	32	4.4	150	44.1	10	45.5	38	55.1	5	12.8
Others	4	2.6	28	43.1	5	6.8	15	4.4	-	-	19	27.5	21	53.8
All Microscopic	154	100.0	65	100.0	73	100.0	344	100.0	23	100.0	69	100.0	39	100.0

Bone (ICD-10: C40-C41)**Table 12.7: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	4	2.3	-	-	1	0.9	-	-	2	10.0	-	-	1	2.6
Sarcomas	3	1.7	3	2.6	5	4.5	3	1.8	6	30.0	2	12.5	3	7.7
Osteosarcomas	95	54.3	47	40.9	56	50.0	78	45.9	4	20.0	5	31.3	7	17.9
Chondrosarcomas	2	1.1	1	0.9	1	0.9	-	-	-	-	-	-	-	-
Giant Cell Tumour	-	-	3	2.6	3	2.7	-	-	1	5.0	-	-	-	-
Ewing's Sarcoma	14	8.0	29	25.2	31	27.7	37	21.8	2	10.0	4	25.0	9	23.1
Chondroma	24	13.7	9	7.8	2	1.8	6	3.5	1	5.0	1	6.3	1	2.6
Others	33	18.9	23	20.0	13	11.6	46	27.1	4	20.0	4	25.0	18	46.2
All Microscopic	175	100.0	115	100.0	112	100.0	170	100.0	20	100.0	16	100.0	39	100.0
FEMALE														
Neoplasm Malignant	1	1.1	-	-	1	1.3	2	2.1	-	-	-	-	-	-
Sarcomas	1	1.1	1	1.8	1	1.3	1	1.0	8	42.1	1	12.5	1	5.0
Osteosarcomas	60	67.4	22	39.3	42	56.0	53	55.2	3	15.8	4	50.0	5	25.0
Chondrosarcomas	-	-	2	3.6	2	2.7	-	-	-	-	-	-	-	-
Giant Cell Tumour	2	2.2	3	5.4	6	8.0	-	-	-	-	-	-	1	5.0
Ewing's Sarcoma	6	6.7	12	21.4	17	22.7	10	10.4	3	15.8	1	12.5	3	15.0
Chondroma	8	9.0	6	10.7	3	4.0	3	3.1	2	10.5	-	-	-	-
Others	11	12.4	10	17.9	3	4.0	27	28.1	3	15.8	2	25.0	10	50.0
All Microscopic	89	100.0	56	100.0	75	100.0	96	100.0	19	100.0	8	100.0	20	100.0

Soft Tissue (ICD 10: C47 & C49)**Table 12.8: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	7	5.4	2	3.6	3	5.2	4	3.8	1	7.7	-	-	-	-
Sarcoma NOS	7	5.4	2	3.6	1	1.7	13	12.3	1	7.7	2	15.4	2	11.1
Spindle Cell Sarcoma	20	15.5	16	29.1	16	27.6	20	18.9	-	-	3	23.1	-	-
Pleomorphic Cell Carc.	7	5.4	5	9.1	6	10.3	9	8.5	-	-	-	-	2	11.1
Fibrous Histiocytoma	2	1.6	4	7.3	2	3.4	2	1.9	-	-	1	7.7	-	-
Fibrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Liposarcoma	9	7.0	3	5.5	5	8.6	6	5.7	-	-	-	-	3	16.7
Leiomyosarcoma	2	1.6	-	-	1	1.7	2	1.9	-	-	-	-	-	-
Rhabdomyosarcoma	12	9.3	5	9.1	1	1.7	8	7.5	3	25.0	-	-	-	-
Synovial Sarcoma	16	12.4	9	16.4	13	22.4	9	8.5	2	16.7	-	-	1	5.6
Neurofibrosarcoma	2	1.6	1	1.8	-	-	1	0.9	-	-	-	-	-	-
Neurilemmona	1	0.8	-	-	-	-	-	-	-	-	-	-	-	-
Others	44	34.1	8	14.5	10	17.2	32	30.2	5	41.7	7	53.8	10	55.6
All Microscopic	129	100.0	55	100.0	58	100.0	106	100.0	12	100.0	13	100.0	18	100.0
FEMALES														
Neoplasm Malignant	5	9.1	1	2.0	3	5.3	4	5.8	-	-	-	-	-	-
Sarcoma NOS	2	3.6	7	13.7	7	12.3	5	7.2	1	9.1	1	12.5	2	22.2
Spindle Cell Sarcoma	7	12.7	21	41.2	14	24.6	17	24.6	-	-	1	12.5	-	-
Pleomorphic Cell Carc.	3	5.5	9	17.6	1	1.8	8	11.6	-	-	1	12.5	2	22.2
Fibrous Histiocytoma	-	-	-	-	2	3.5	3	4.3	1	9.1	2	25.0	-	-
Fibrosarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Liposarcoma	-	-	1	2.0	2	3.5	3	4.3	1	9.1	-	-	-	-
Leiomyosarcoma	3	5.5	-	-	1	1.8	1	1.4	-	-	-	-	1	11.1
Rhabdomyosarcoma	6	10.9	1	2.0	6	10.5	10	14.5	3	27.3	-	-	1	11.1
Synovial Sarcoma	8	14.5	8	15.7	9	15.8	5	7.2	1	9.1	-	-	1	11.1
Neurofibrosarcoma	6	10.9	1	2.0	-	-	1	1.4	-	-	-	-	-	-
Neurilemmona	-	-	-	-	1	1.8	-	-	-	-	-	-	-	-
Others	15	27.3	2	3.9	11	19.3	12	17.4	4	36.4	3	37.5	2	22.2
All Microscopic	55	100.0	51	100.0	57	100.0	69	100.0	11	100.0	8	100.0	9	100.0

Female Breast (ICD-10: C50)**Table 12.9: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Neoplasm Malignant	15	0.8	15	1.7	27	1.7	21	0.7	-	-	2	0.7	1	0.6
Carcinoma	7	0.4	24	2.8	13	0.8	127	4.4	1	0.4	1	0.4	2	1.2
Papillary Carcinoma	15	0.8	4	0.5	-	-	7	0.2	-	-	-	-	1	0.6
Squamous Cell Carc.	-	-	9	1.0	8	0.5	-	-	-	-	-	-	-	-
Adeno Carcinoma, NOS	1	0.1	3	0.3	2	0.1	3	0.1	1	0.4	5	1.8	1	0.6
Mucinous Adeno Carc.	5	0.3	7	0.8	15	0.9	16	0.6	2	0.7	-	-	3	1.7
Infiltrating Duct Carc.	1700	94.3	773	88.7	1503	92.6	2649	92.4	239	88.2	259	94.5	159	92.4
Medullary Carcinoma	1	0.1	3	0.3	11	0.7	-	-	11	4.1	-	-	-	-
Lobular Carcinoma	29	1.6	12	1.4	20	1.2	18	0.6	12	4.4	2	0.7	3	1.7
Paget's Disease	9	0.5	1	0.1	6	0.4	3	0.1	-	-	-	-	-	-
Cystosarc Phyllodes	13	0.7	11	1.3	9	0.6	9	0.3	3	1.1	4	1.5	-	-
Others	7	0.4	9	1.0	9	0.6	15	0.5	2	0.7	1	0.4	2	1.2
All Microscopic	1802	100.0	871	100.0	1623	100.0	2868	100.0	271	100.0	274	100.0	172	100.0

Cervix (ICD-10: C53)**Table 12.10: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Neoplasm Malignant	6	0.6	5	0.3	7	0.5	9	0.7	3	1.4	-	-	-	-
Carcinomas	12	1.2	67	3.5	48	3.8	51	3.8	3	1.4	2	0.4	3	1.3
Non Kerat Large Cell	32	3.3	257	13.3	617	48.4	497	37.3	79	38.0	263	58.1	86	38.6
Non Kerat Small Cell	-	-	3	2.0	-	-	1	0.1	5	2.4	1	0.2	-	-
Kerat Squa. Cell Carc. NOS	31	3.2	130	6.7	253	19.9	390	29.2	18	8.7	15	3.3	58	26.0
Squa. Cell Carc. NOS	803	82.4	1334	68.8	229	18.0	241	18.1	85	40.9	140	30.9	52	23.3
Other Squa. Cell Carc.	6	0.6	5	0.3	3	0.2	2	0.1	1	0.5	-	-	1	0.4
Adeno Carcinoma	6	0.6	12	0.6	11	0.9	43	3.2	5	2.4	6	1.3	4	1.8
Adeno. Squa. Carc.	10	1.0	27	1.4	40	3.1	17	1.3	-	-	5	1.1	2	0.9
Others	68	7.0	98	5.1	66	5.2	83	6.2	9	4.3	21	4.6	17	7.6
All Microscopic	974	100.0	1938	100.0	1274	100.0	1350	100.0	208	100.0	453	100.0	223	100.0

Ovary (ICD-10: C56)**Table 12.11: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Neoplasm Malignant	46	18.3	24	5.8	12	5.0	47	10.0	7	5.6	9	8.5	4	4.0
Carcinomas	7	2.8	27	6.6	22	9.2	33	7.1	5	4.0	3	2.8	4	4.0
Other Carcinomas	2	0.8	-	-	-	-	-	-	1	0.8	-	-	1	1.0
Papillary Carcinoma	1	0.4	1	0.2	-	-	-	-	-	-	-	-	1	1.0
Squamous Cell Carc.	-	-	4	1.0	-	-	1	0.2	1	0.8	1	0.9	-	-
Adeno Carcinoma	52	20.7	157	38.2	88	36.8	211	45.2	22	17.5	62	58.5	21	21.0
Papillary Adeno Carc.	6	2.4	46	11.2	32	13.4	26	5.6	9	7.1	6	5.7	5	5.0
Clear Cell Adeno Carc.	2	0.8	3	0.7	2	0.8	9	1.9	5	4.0	-	-	3	3.0
Endometrioid Carc.	12	4.8	7	1.7	5	2.1	10	2.1	-	-	1	0.9	4	4.0
Papi/Serous Cyst	97	38.6	80	19.5	34	14.2	80	17.1	53	42.1	11	10.4	30	30.0
Muc Adeno/Cystadeno	7	2.8	22	5.4	15	6.3	17	3.6	11	8.7	9	8.5	10	10.0
Granulosa Cell Tumour	1	0.4	6	1.5	5	2.1	1	0.2	1	0.8	-	-	3	3.0
Sarcomas	4	1.6	-	-	-	-	-	-	1	0.8	-	-	1	1.0
Stromal Tumours	-	-	1	0.2	-	-	1	0.2	1	0.8	-	-	-	-
Dysgerminoma	3	1.2	11	2.7	4	1.7	11	2.4	-	-	-	-	2	2.0
Endodermal Sinus Tum.	4	1.6	6	1.5	2	0.8	7	1.5	1	0.8	1	0.9	4	4.0
Teratomas	4	1.6	3	0.7	6	2.5	6	1.3	-	-	-	-	2	2.0
Others	3	1.2	13	3.2	12	5.0	7	1.5	8	6.3	3	2.8	5	5.0
All Microscopic	251	100.0	411	100.0	239	100.0	467	100.0	126	100.0	106	100.0	100	100.0

Kidney (ICD-10: C64)**Table 12.12: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	5	5.4	-	-	-	-	14	17.7	2	28.6	-	-	1	2.5
Carcinoma NOS	-	-	2	4.4	-	-	7	8.9	-	-	-	-	1	2.5
Transitional Cell Carc.	-	-	1	2.0	-	-	1	1.3	-	-	-	-	-	-
Adeno Carcinoma	1	1.1	-	-	3	13.0	1	1.3	-	-	-	-	1	2.5
Clear Cell Adeno Carc.	65	69.9	24	48.0	11	47.8	39	49.4	2	28.6	6	85.7	21	52.5
Renal Cell Carcinoma	1	1.1	-	-	-	-	1	1.3	-	-	1	14.3	-	-
Nephroblastoma	14	15.1	16	32.0	3	13.0	6	7.6	2	28.6	-	-	11	27.5
Others	7	7.5	7	14.0	6	26.1	10	12.7	1	14.3	-	-	5	12.5
All Microscopic	93	100.0	50	100.0	23	100.0	79	100.0	7	100.0	7	100.0	40	100.0
FEMALES														
Neoplasm Malignant	1	4.3	1	3.6	-	-	2	10.0	1	9.1	-	-	-	-
Carcinoma NOS	-	-	-	-	-	-	1	5.0	-	-	-	-	-	-
Transitional Cell Carc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Adeno Carcinoma	2	8.7	-	-	2	4.8	-	-	1	9.1	-	-	-	-
Clear Cell Adeno Carc.	11	47.8	13	46.4	14	66.7	7	35.0	6	54.5	2	100.0	6	33.3
Renal Cell Carcinoma	2	8.7	-	-	-	-	1	5.0	-	-	-	-	-	-
Nephroblastoma	4	17.4	13	46.4	4	19.0	6	30.0	2	18.2	-	-	7	38.9
Others	3	13.0	1	3.6	2	9.5	3	15.0	1	9.1	-	-	5	27.8
All Microscopic	23	100.0	28	100.0	25	100.0	20	100.0	11	100.0	2	100.0	18	100.0

Brain (ICD-10: C70-C72)**Table 12.13: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	1	3.1	-	-	-	-	1	1.2	3	12.5	-	-	-	-
Gliomas	3	9.4	3	4.3	1	12.5	14	16.3	-	-	-	-	9	7.4
Ependymoma	1	3.1	4	5.7	1	12.5	3	3.5	1	4.0	-	-	3	2.5
Astrocytoma	16	50.0	23	32.9	3	37.5	30	34.9	14	56.0	4	57.1	21	17.4
Glioblastoma	6	18.8	12	17.1	2	25.0	19	22.1	1	4.0	2	28.6	48	39.7
Oligodendroglioma	1	3.1	18	25.7	-	-	1	1.2	1	4.0	-	-	15	12.4
Medulloblastoma	2	6.3	3	4.3	1	12.5	3	3.5	-	-	1	14.3	11	9.1
Others	2	6.3	7	10.0	-	-	15	17.4	5	20.0	-	-	14	11.6
All Microscopic	31	100.0	70	100.0	12	100.0	86	100.0	25	100.0	7	100.0	121	100.0
FEMALES														
Neoplasm Malignant	-	-	-	-	-	-	-	-	3	20.0	-	-	-	-
Gliomas	4	28.6	4	9.5	1	20.0	15	25.0	-	-	-	-	2	3.4
Ependymoma	-	-	2	4.8	-	-	1	1.7	-	-	-	-	3	5.1
Astrocytoma	3	21.4	12	28.6	2	40.0	22	36.7	8	53.3	2	33.3	7	11.9
Glioblastoma	3	21.4	7	16.7	-	-	9	15.0	3	20.0	1	16.7	25	42.4
Oligodendroglioma	-	-	6	14.3	-	-	1	1.7	-	-	1	16.7	9	15.3
Medulloblastoma	2	14.3	5	11.9	-	-	3	5.0	-	-	1	16.7	5	8.5
Others	2	14.3	6	14.3	2	40.0	9	15.0	1	6.7	1	16.7	8	13.6
All Microscopic	14	100.0	44	100.0	5	100.0	60	100.0	15	100.0	6	100.0	59	100.0

Thyroid Gland (ICD-10: C73)**Table 12.14: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)**

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Neoplasm Malignant	2	2.5	1	1.4	1	7.0	5	3.5	3	25.0	-	-	-	-
Other Carcinomas	-	-	1	1.4	-	-	5	3.5	-	-	-	-	-	-
Undifferentiated Carc.	-	-	4	5.6	1	1.4	7	4.9	2	16.7	2	33.3	-	-
Papillary Carc. NOS	3	3.7	34	47.2	-	-	-	-	-	-	-	-	-	-
Papillary Adeno Carc.	42	51.9	14	19.4	31	56.3	93	66.0	-	-	-	-	-	-
Follicular Carcinoma	3	3.7	5	6.9	7	11.3	-	-	6	50.0	-	-	-	-
Mixed Papi. & Folli. Carc.	20	24.7	6	8.3	11	16.9	19	13.5	-	-	4	66.7	-	-
Medullary Carcinoma	10	12.3	7	9.7	2	7.0	8	5.7	-	-	-	-	-	-
Others	1	1.2	-	-	-	-	4	2.8	1	8.3	-	-	-	-
All Microscopic	81	100.0	72	100.0	53	100.0	141	100.0	12	100.0	6	100.0	-	-
FEMALES														
Neoplasm Malignant	1	0.6	5	2.3	1	0.8	12	3.8	1	5.6	-	-	-	-
Other Carcinomas	1	0.6	5	2.3	2	1.6	6	1.9	1	5.6	-	-	-	-
Undifferentiated Carc.	3	1.9	3	1.4	1	0.8	9	2.8	3	16.7	1	5.6	-	-
Papillary Carc. NOS	2	1.3	88	41.1	1	0.8	-	-	1	5.6	-	-	2	50.0
Papillary Adeno Carc.	83	52.2	52	24.3	81	65.9	206	65.0	-	-	-	-	-	-
Follicular Carcinoma	8	5.0	5	2.3	11	8.9	4	1.3	8	44.4	4	22.2	1	25.0
Mixed Papi. & Folli. Carc.	52	32.7	42	19.6	23	18.7	71	22.4	-	-	13	72.2	-	-
Medullary Carcinoma	6	3.8	8	3.7	3	2.4	5	1.6	-	-	-	-	-	-
Others	3	1.9	6	2.8	-	-	4	1.3	4	22.2	-	-	1	25.0
All Microscopic	159	100.0	214	100.0	155	100.0	317	100.0	18	100.0	18	100.0	4	100.0

Tumours of Lymphoid and Haematopoietic System (ICD-10: C81-C85 and C90-C96)

Table 12.15: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
NHL	375	33.2	265	30.3	248	30.1	626	24.1	70	44.9	56	60.2	80	26.7
HD	130	11.5	129	14.7	122	14.8	246	9.4	10	6.4	12	12.9	20	6.7
MM	84	7.4	40	4.6	58	7.0	300	11.5	18	11.5	8	8.6	23	7.7
Leukaemias	533	47.2	437	49.9	393	47.7	1413	54.1	58	37.2	16	17.2	177	59.0
Others	8	0.7	5	0.6	3	0.4	22	0.8	-	-	1	1.1	-	-
All Microscopic	1130	100.0	876	100.0	824	100.0	2610	100.0	156	100.0	93	100.0	300	100.0
FEMALES														
NHL	152	33.9	134	31.4	119	27.6	327	20.5	26	51.0	33	67.3	31	25.8
HD	43	9.6	34	8.0	54	12.5	101	6.3	1	2.0	5	10.2	15	12.5
MM	36	8.0	19	4.4	36	8.4	175	11.0	4	7.8	5	10.2	13	10.8
Leukaemias	216	48.1	240	56.2	221	51.3	976	61.1	20	39.2	6	12.2	61	50.8
Others	2	0.4	-	-	1	0.2	18	1.1	-	-	-	-	-	-
All Microscopic	449	100.0	427	100.0	595	100.0	1601	100.0	51	100.0	49	100.0	120	100.0

NHL = Non-Hodgkin's Lymphoma; HD = Hodgkin's Disease; MM = Multiple Myeloma

Hodgkin's Disease (ICD-10: C81)

Table 12.16: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Hodgkin's Disease NOS	21	16.2	55	42.6	27	22.1	20	8.1	5	50.0	7	58.3	9	45.0
HD LP	7	5.4	22	17.1	-	-	31	12.6	-	-	1	8.3	1	5.0
HD MC	61	46.9	22	17.1	55	45.1	110	44.7	4	40.0	3	25.0	5	25.0
HD LD	-	-	-	-	1	0.8	5	2.0	1	10.0	-	-	-	-
HD Nodular Sclerosis	39	30.0	30	23.3	39	32.0	80	32.5	-	-	1	8.3	5	25.0
Others	2	1.5	-	-	-	-	-	-	-	-	-	-	-	-
All Microscopic	130	100.0	129	100.0	122	100.0	246	100.0	10	100.0	12	100.0	20	100.0
FEMALES														
Hodgkin's Disease NOS	5	11.6	17	50.0	12	22.2	8	7.9	-	-	3	60.0	10	66.7
HD LP	-	-	6	17.6	-	-	4	4.0	1	100.0	-	-	-	-
HD MC	18	41.9	6	17.6	15	27.8	36	35.6	-	-	1	20.0	-	-
HD LD	-	-	-	-	1	1.9	3	3.0	-	-	-	-	-	-
HD Nodular Sclerosis	19	44.2	5	14.7	26	48.1	50	49.5	-	-	1	20.0	5	33.3
Others	1	2.3	-	-	-	-	-	-	-	-	-	-	-	-
All Microscopic	43	100.0	34	100.0	54	100.0	101	100.0	1	100.0	5	100.0	15	100.0

LP = Lymphocyte Predominant; MC = Mixed Cellularity; LD = Lymphocyte Depletion

Leukaemias (ICD-10: C91-C95)

Table 12.17: Number (#) and Relative Proportion (%) of Different Histologic Types (2007-2011)

Histologic Type	Mumbai		Bangalore		Chennai		Thi'puram		Dibrugarh		Guwahati		Chandigarh	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
MALES														
Acute Lymph. Leuk.	215	40.3	193	44.2	150	38.2	601	42.5	16	27.6	3	18.8	105	59.3
Chronic Lymph. Leuk.	24	4.5	19	4.3	25	6.4	30	2.1	-	-	1	6.3	9	5.1
Other Lymph. Leuk.	1	0.2	-	-	-	-	7	0.5	-	-	-	-	1	0.6
Acute Myeloid Leuk.	88	16.5	43	9.8	45	11.5	283	20.0	18	31.0	-	-	5	2.8
Chronic Myeloid Leuk.	155	29.1	155	35.5	167	42.5	253	17.9	14	24.1	11	68.8	41	23.2
Other Myeloid Leuk.	21	3.9	-	-	-	-	-	-	-	-	-	-	-	-
Others	29	5.4	27	6.2	6	1.5	239	16.9	10	17.2	1	6.3	16	9.0
All Microscopic	533	100.0	437	100.0	393	100.0	1413	100.0	58	100.0	16	100.0	177	100.0
FEMALES														
Acute Lymph. Leuk.	82	38.0	74	30.8	80	36.2	371	38.0	5	25.0	2	33.3	27	44.3
Chronic Lymph. Leuk.	5	2.3	18	7.5	6	2.7	27	2.8	-	-	-	-	-	-
Other Lymph. Leuk.	-	-	1	0.4	-	-	1	0.1	-	-	-	-	-	-
Acute Myeloid Leuk.	43	19.9	28	11.7	33	14.9	227	23.3	6	30.0	1	16.7	4	6.6
Chronic Myeloid Leuk.	61	28.2	106	44.2	99	44.8	155	15.9	8	40.0	3	50.0	25	41.0
Other Myeloid Leuk.	11	5.1	-	-	-	-	-	-	-	-	-	-	-	-
Others	14	6.5	13	5.4	3	1.4	195	20.0	1	5.0	-	-	5	8.2
All Microscopic	216	100.0	240	100.0	221	100.0	976	100.0	20	100.0	6	100.0	61	100.0

Lymph. Leuk. = *Lymphoid Leukaemia*