

# Chapter 15

## CERVIX (ICD-10: C53)

Cancer of the cervix was the leading site in Bangalore, Chennai and Dibrugarh and the second leading site was Mumbai & Thiruvananthapuram (Table 15.1).

Figure 15.1 gives the trends in actual numbers of cancer cervix. A decreasing trend was seen in Trivandrum.

Table 15.2 and Figure 15.2 give the five year age distribution of cancer cervix in different registries. The mean age varied from a low of 50.0 in Dibrugarh to 56.6 in Thiruvananthapuram.

The predominant form of diagnosis of cancer cervix (>89%) was through microscopic examination (Table 15.3).

Table 15.4 gives the number and relative proportion according to the clinical extent of disease. Over 80% and above of patients had regional disease at the time of diagnosis in all registries except in Mumbai (54.2%).

Table 15.5 gives the number and relative proportion according to the broad groups of treatment. The percentage of cases treated only at RI varied from 29.8% in Mumbai to 86.3% in Dibrugarh.

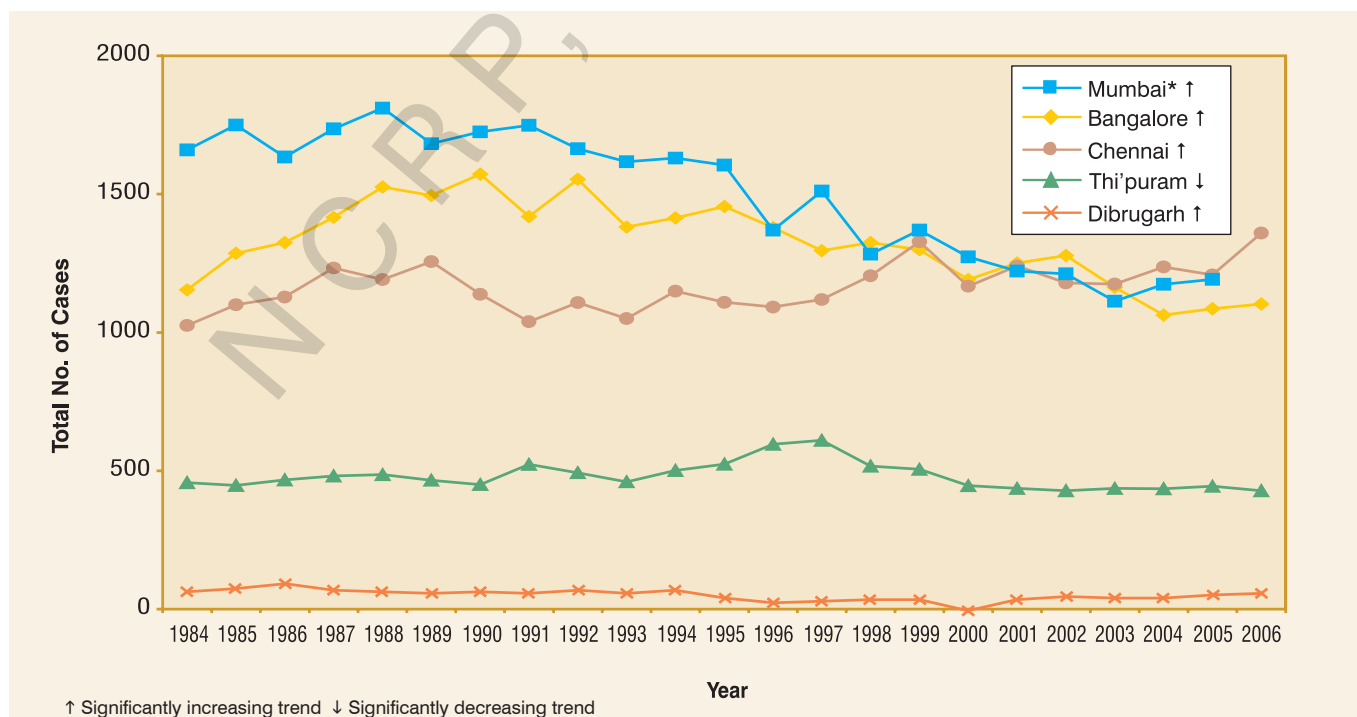
Tables 15.6 to 15.8 give the number and relative proportion according to the different types of treatment.

**Table 15.1: Number(#), Relative Proportion(%) and Rank(R) of cancers of the cervix (2004-2006)**

Registry	Total	#	%	R
<b>Mumbai*</b>	15313	2366	15.5	2
<b>Bangalore</b>	10293	3252	27.5	1
<b>Chennai</b>	12523	3804	28.0	1
<b>Thi'puram</b>	12563	1307	11.5	2
<b>Dibrugarh</b>	1782	153	14.4	1

\* Only 2004-05 data

**Fig. 15.1 Trends in Actual Numbers - Cancer Cervix**

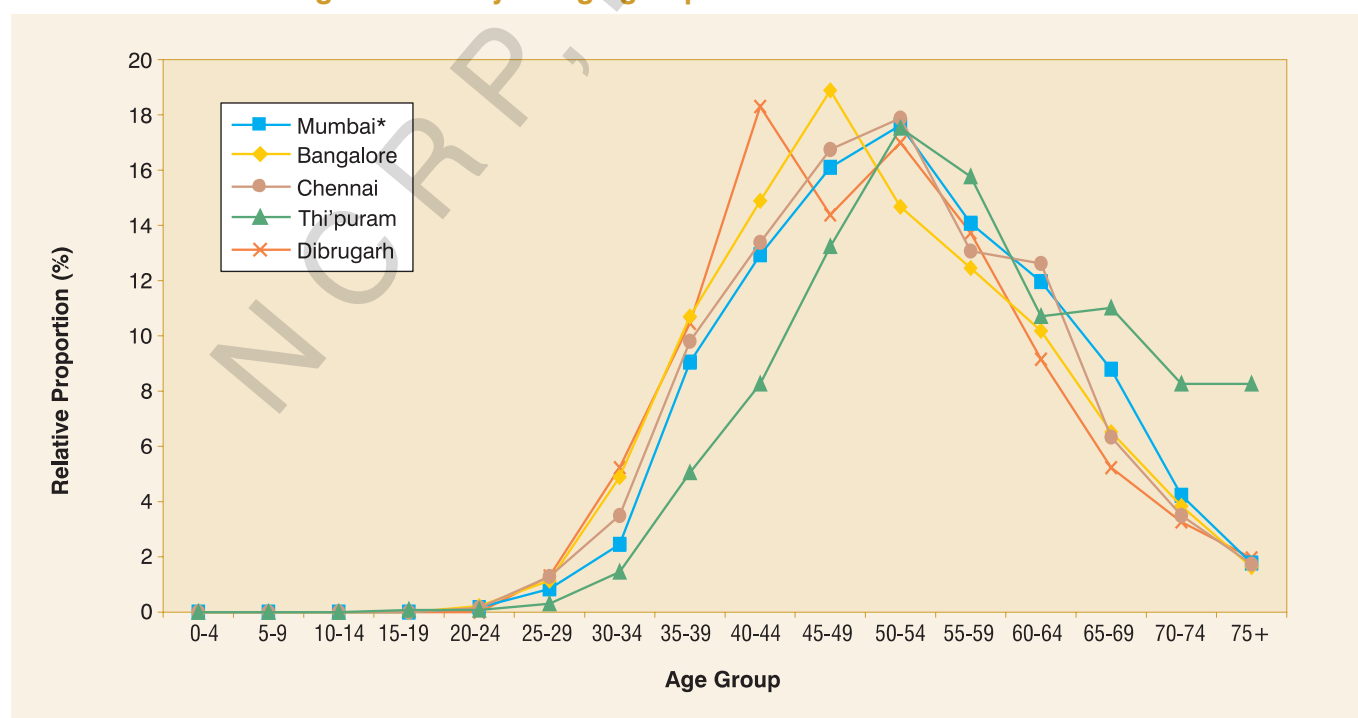


**Table 15.2: Number(#) and Relative Proportion(%) of Cervical cancers according to five year age group (2004-2006)**

Age Group	Mumbai *		Bangalore		Chennai		Thi'puram		Dibrugarh	
	#	%	#	%	#	%	#	%	#	%
0-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0
20-24	4	0.2	7	0.2	6	0.2	1	0.1	0	0.0
25-29	20	0.8	37	1.1	49	1.3	4	0.3	2	1.3
30-34	58	2.5	159	4.9	133	3.5	19	1.5	8	5.2
35-39	214	9.0	348	10.7	373	9.8	66	5.0	16	10.5
40-44	306	12.9	484	14.9	509	13.4	108	8.3	28	18.3
45-49	381	16.1	614	18.9	637	16.7	173	13.2	22	14.4
50-54	417	17.6	477	14.7	680	17.9	229	17.5	26	17.0
55-59	333	14.1	405	12.5	497	13.1	206	15.8	21	13.7
60-64	283	12.0	331	10.2	480	12.6	140	10.7	14	9.2
65-69	208	8.8	212	6.5	241	6.3	144	11.0	8	5.2
70-74	100	4.2	125	3.8	133	3.5	108	8.3	5	3.3
75+	42	1.8	53	1.6	66	1.7	108	8.3	3	2.0
ANS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>All Ages</b>	<b>2366</b>	<b>100.0</b>	<b>3252</b>	<b>100.0</b>	<b>3804</b>	<b>100.0</b>	<b>1307</b>	<b>100.0</b>	<b>153</b>	<b>100.0</b>
<b>Mean</b>		52.4		50.4		51.3		56.6		50.0
<b>SD</b>		10.8		11.1		10.8		11.6		11.0

\* Only 2004-05 data

**Fig. 15.2: Five year age group distribution - Cancer Cervix**



**Table 15.3: Number(#) and Relative Proportion(%) of Cervical cancers based on different Methods of Diagnosis (2004-2006)**

Registry	Microscopic		Clinical		All imaging techniques		Others		Total	
	#	%	#	%	#	%	#	%	#	%
Mumbai*	2200	93.0	4	0.2	2	0.1	160	6.8	2366	100.0
Bangalore	3106	95.7	86	2.6	2	0.1	52	1.6	3246	100.0
Chennai	3413	89.4	377	9.9	29	0.8	0	0.0	3819	100.0
Thi'puram	1248	95.7	53	4.1	3	0.2	0	0.0	1304	100.0
Dibrugarh	148	96.7	2	1.3	2	1.3	1	0.7	153	100.0

**Table 15.4: Number(#) and Relative Proportion(%) of Cervical cancer patients according to the Clinical Extent of Disease (Excludes Patients Previously Treated) (2004-2006)**

Registry	Localised (L)		Regional (R)		L + R		Distant		Others		All Stages	
	#	%	#	%	#	%	#	%	#	%	#	%
Mumbai*	385	27.0	774	54.2	1159	81.2	227	15.9	41	2.9	1427	100.0
Bangalore	269	9.1	2491	84.7	2760	93.8	181	6.2	1	0.0	2942	100.0
Chennai	279	8.1	3085	89.5	3364	97.6	84	2.4	0	0.0	3448	100.0
Thi'puram	119	10.4	974	84.9	1093	95.3	54	4.7	0	0.0	1147	100.0
Dibrugarh	4	2.6	137	90.1	141	92.8	10	6.6	1	0.7	152	100.0

\* Only 2004-05 data

**Table 15.5: Number(#) and Relative Proportion(%) of Cervical cancer patients according to Broad Groups of Treatment(Tmt) (2004-2006)**

Treatment Group	Mumbai*		Bangalore		Chennai		Thi'puram		Dibrugarh	
	#	%	#	%	#	%	#	%	#	%
Prior Tmt. Only	230	9.7	124	3.8	308	8.1	30	2.3	0	0.0
Prior Tmt. at RI	254	10.7	179	5.5	48	1.3	130	9.9	1	0.7
Tmt. Only at RI	705	29.8	2138	65.7	1585	41.7	1045	80.0	132	86.3
No Treatment	1177	49.7	811	24.9	1863	49.0	102	7.8	20	13.1
<b>Total Patients</b>	<b>2366</b>	<b>100.0</b>	<b>3252</b>	<b>100.0</b>	<b>3804</b>	<b>100.0</b>	<b>1307</b>	<b>100.0</b>	<b>153</b>	<b>100.0</b>

**Table 15.6: Number(#) and Relative Proportion(%) of Cervical cancer patients according to Type of Treatment given(Patients treated only at Reporting Institution) (2004-2006)**

Type of Treatment	Mumbai *		Bangalore		Chennai		Thi'puram		Dibrugarh	
	#	%	#	%	#	%	#	%	#	%
<b>Total Patients</b>	<b>705</b>	<b>100.0</b>	<b>2138</b>	<b>100.0</b>	<b>1585</b>	<b>100.0</b>	<b>1045</b>	<b>100.0</b>	<b>132</b>	<b>100.0</b>
<b>Specific Treatments</b>										
Surgery (S)	68	9.6	79	3.7	11	0.7	8	0.8	23	17.4
Radiotherapy (R)	282	40.0	1178	55.1	1319	83.2	472	45.2	97	73.5
Chemotherapy (C)	28	4.0	43	2.0	4	0.3	9	0.9	0	0.0
S+R	22	3.1	118	5.5	68	4.3	26	2.5	8	6.1
S+C	6	0.9	28	1.3	0	0.0	1	0.1	4	3.0
R+C	264	37.4	626	29.3	177	11.2	506	48.4	0	0.0
S+R+C	35	5.0	64	3.0	5	0.3	22	2.1	0	0.0
Others	0	0.0	2	0.1	1	0.1	1	0.1	0	0.0
<b>Modality of Therapy<sup>#</sup></b>										
Single	378	53.6	1300	60.8	1334	62.4	489	46.8	120	90.9
Combination	327	46.4	836	39.1	250	11.7	555	53.1	12	9.1
<b>Type of Any Treatment</b>										
Any Surgery	131	18.6	289	13.5	84	3.9	57	5.5	35	26.5
Any R	603	85.5	1986	92.9	1569	73.4	1026	98.2	105	79.5
Any C	333	47.2	761	35.6	186	8.7	538	51.5	4	3.0

\* Only 2004 data; # Excludes specific treatment classified as 'Others'

**Table 15.7: Number(#) & Relative proportion (%) of types of treatment according to Clinical Extent of Disease - Cervix (2004-2006)**

Clinical Extent	Mumbai*		Bangalore		Chennai		Thi'puram		Dibrugarh	
	#	%	#	%	#	%	#	%	#	%
<b>Localised</b>										
Surgery (S)	57	33.5	18	9.2	7	3.1	2	1.9	3	75.0
Radiotherapy (R)	23	13.5	62	31.6	159	69.4	46	43.4	0	0.0
Chemotherapy (C)	3	1.8	4	2.0	0	0.0	1	0.9	0	0.0
S+R	19	11.2	27	13.8	41	17.9	11	10.4	0	0.0
S+C	5	2.9	8	4.1	0	0.0	0	0.0	1	25.0
R+C	35	20.6	68	34.7	20	8.7	44	41.5	0	0.0
S+R+C	28	16.5	8	4.1	2	0.9	2	1.9	0	0.0
Others	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0
<b>All Treatments</b>	<b>170</b>	<b>100.0</b>	<b>196</b>	<b>100.0</b>	<b>229</b>	<b>100.0</b>	<b>106</b>	<b>100.0</b>	<b>4</b>	<b>100.0</b>
<b>Regional</b>										
Surgery (S)	9	2.0	60	3.2	4	0.3	6	0.7	20	16.8
Radiotherapy (R)	213	46.2	1063	56.9	1144	85.5	400	44.7	88	73.9
Chemotherapy (C)	15	3.3	33	1.8	3	0.2	5	0.6	0	0.0
S+R	3	0.7	90	4.8	27	2.0	15	1.7	8	6.7
S+C	1	0.2	19	1.0	0	0.0	1	0.1	3	2.5
R+C	213	46.2	548	29.3	156	11.7	447	49.9	0	0.0
S+R+C	7	1.5	54	2.9	3	0.2	20	2.2	0	0.0
Others	0	0.0	1	0.1	1	0.1	1	0.1	0	0.0
<b>All Treatments</b>	<b>461</b>	<b>100.0</b>	<b>1868</b>	<b>100.0</b>	<b>1338</b>	<b>100.0</b>	<b>895</b>	<b>100.0</b>	<b>119</b>	<b>100.0</b>
<b>Distant</b>										
Surgery (S)	0	0.0	1	1.4	0	0.0	0	0.0	0	0.0
Radiotherapy (R)	45	64.3	53	73.6	16	88.9	26	59.1	8	100.0
Chemotherapy (C)	10	14.3	6	8.3	1	5.6	3	6.8	0	0.0
S+R	0	0.0	1	1.4	0	0.0	0	0.0	0	0.0
S+C	0	0.0	1	1.4	0	0.0	0	0.0	0	0.0
R+C	15	21.4	8	11.1	1	5.6	15	34.1	0	0.0
S+R+C	0	0.0	2	2.8	0	0.0	0	0.0	0	0.0
Others	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>All Treatments</b>	<b>70</b>	<b>100.0</b>	<b>72</b>	<b>100.0</b>	<b>18</b>	<b>100.0</b>	<b>44</b>	<b>100.0</b>	<b>8</b>	<b>100.0</b>
<b>Others</b>										
Surgery (S)	2	50.0	0	0.0	0	0.0	0	0.0	0	0.0
Radiotherapy (R)	1	25.0	0	0.0	0	0.0	0	0.0	1	100.0
Chemotherapy (C)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
S+R	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
S+C	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
R+C	1	25.0	2	100.0	0	0.0	0	0.0	0	0.0
S+R+C	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Others	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>All Treatments</b>	<b>4</b>	<b>100.0</b>	<b>2</b>	<b>100.0</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>100.0</b>

\* Only 2004-05 data.

**Table 15.8: Number(#) & proportion (%) of any specific treatment relative to all treated patients according to Clinical Extent of Disease - Cervix (2004-2006)**

	Any Surgery		Any Radiotherapy		Any Chemotherapy		Any Others		Total Patients
	#	%	#	%	#	%	#	%	
<b>LOCALISED</b>									
Mumbai*	109	38.2	105	36.8	71	24.9	0	0.0	285
Bangalore	62	19.6	166	52.5	88	27.8	0	0.0	316
Chennai	50	17.0	222	75.5	22	7.5	0	0.0	294
Thi'puram	15	9.1	103	62.4	47	28.5	0	0.0	165
Dibrugarh	4	80.0	0	0.0	1	20.0	0	0.0	5
<b>REGIONAL</b>									
Mumbai*	20	2.9	436	63.0	236	34.1	0	0.0	692
Bangalore	223	8.5	1755	66.7	654	24.8	1	0.0	2633
Chennai	35	2.3	1331	87.1	163	10.7	0	0.0	1529
Thi'puram	42	3.0	882	63.1	473	33.8	1	0.1	1398
Dibrugarh	31	23.8	96	73.8	3	2.3	0	0.0	130
<b>DISTANT</b>									
Mumbai*	0	0.0	60	70.6	25	29.4	0	0.0	85
Bangalore	5	5.8	64	74.4	17	19.8	0	0.0	86
Chennai	0	0.0	17	89.5	2	10.5	0	0.0	19
Thi'puram	0	0.0	41	69.5	18	30.5	0	0.0	59
Dibrugarh	0	0.0	8	100.0	0	0.0	0	0.0	8
<b>OTHERS</b>									
Mumbai*	2	40.0	2	40.0	1	20.0	0	0.0	5
Bangalore	0	0.0	2	50.0	2	50.0	0	0.0	4
Chennai	0	0.0	0	0.0	0	0.0	0	0.0	0
Thi'puram	0	0.0	0	0.0	0	0.0	0	0.0	0
Dibrugarh	0	0.0	1	100.0	0	0.0	0	0.0	1

\* Only 2004-05 data.