

Union Territory of Pondicherry and Tamil Nadu State

Overview	84
Pondicherry District, Pondicherry [U.T.]	86
Thiruvallur District, Tamil Nadu State	88
Kancheepuram District, Tamil Nadu State	90
Villupuram District, Tamil Nadu State	92
Cuddalore District, Tamil Nadu State	94
Coimbatore District, Tamil Nadu State	96
Erode District, Tamil Nadu State	98
Kanniyakumari District, Tamil Nadu State	100
Salem District, Tamil Nadu State	102
Thanjavur District, Tamil Nadu State	104
Dindigul District, Tamil Nadu State	106
Karaikal District, Pondicherry [U.T]	108
Perambalur District, Tamil Nadu State	109

UNION TERRITORY OF PONDICHERRY & TAMIL NADU STATE

Figure 5(K) gives the Map of India highlighting Pondicherry & Tamil Nadu State and Figure 5(L) gives the Map of both States highlighting the Districts where the MAAR was above 36.2 /100,000.

Pondicherry District

The main Pondicherry district showed that in males, cancer of the mouth was the leading site of cancer constituting 14% of all cancers in that sex. Cancer of the mouth, was followed by tongue, larynx, stomach and oesophagus as the leading sites of cancer in this district. Cancer of the penis as the sixth leading site of cancer was an important finding. Among females, cancer of the cervix accounted for 40% of all cancers with a comparatively high MAAR of 35.9/100,000. [Fig. 5.32(c)]. Around 80% of cases reported from this district were registered at the premier institute in Pondicherry - JIPMER. The hospital and population based registry at Chennai accounted for the remainder. [Table 5.32(b)].

Karaikal district in the Union Territory of Pondicherry showed that cancer of stomach and hypopharynx were the leading sites in males followed by cancer of the mouth. In females, cancer of the cervix comprised 37.7% of all cancers followed by cancer of the breast, ovary and mouth.

TAMIL NADU STATE

There were eleven districts for which the cancer patterns could be described in this state. These districts in the descending order of MAAR were: Thiruvallur, Kancheepuram, Villupuram, Cuddalore, Coimbatore, Erode, Kanniyakumari, Salem, Perambalur, Dindigul and Thanjavur. Of these all but Perambalur had higher MAAR than 36.2/100,000 and at least 400 cases.

Leading Sites of Cancer in Males: Among males cancer of the stomach was the leading site of cancer in Thiruvallur, constituting 14.7% of all cancers in males. It was the second leading site in the districts of Kancheepuram, Villupuram, Cuddalore and Erode. Cancer of the lung was the leading site in Kancheepuram, the second leading site in Thiruvallur and the third leading site in Coimbatore and Kanniyakumari districts. Cancer of the mouth was the leading site in five districts, viz., Villupuram, Cuddalore, Kanniyakumari, Salem and Thanjavur. Cancer of the oesophagus was the leading site in Coimbatore, Erode and Dindigul. Like in Pondicherry, cancer of the penis is an important leading site in the districts of Villupuram (third leading site) and in Cuddalore (fourth leading site).

Leading Sites of Cancer in Females: Cancer of the cervix is the leading site of cancer among women in all the districts except, Coimbatore and Kanniyakumari. In these two districts cancer breast is the leading site. Cancer cervix and breast are the first two leading sites in all the districts. Cancer of the oesophagus is the third leading site in Coimbatore and Erode districts and the fourth leading site in Dindigul district. Cancer of the thyroid is the third leading site in Kanniyakumari district and is the eighth in Coimbatore and ninth leading site in Thanjavur district. It is not seen among the ten leading sites in the other districts.

Centre-wise Distribution of Cancers: The drainage of the cases to the various centres is in conformity with the geography of the districts and the location of the regional cancer centres and cancer treatment facilities in the area. Thus the cases from northern districts of Thiruvallur and Kancheepuram are referred to sources of registration under the Chennai PBCR. Cases from the districts of Cuddalore and Villupuram are mainly referred to JIPMER, Pondicherry. The institutions in Coimbatore cater to the cases from the districts of Coimbatore, Salem and Dindigul. The Regional Cancer Centre at Thiruvananthapuram sees the majority of patients from Kanniyakumari district.

In Perambalur district cancer of the stomach was the leading site of cancer in males followed by cancer of the mouth. In women cancer of the cervix was the leading site constituting 58.5% of cancers in women. This site of cancer was followed by cancer of the breast and stomach.

The data showed that Pondicherry district had some of the highest incidence rates of Mouth cancer among males in the world.

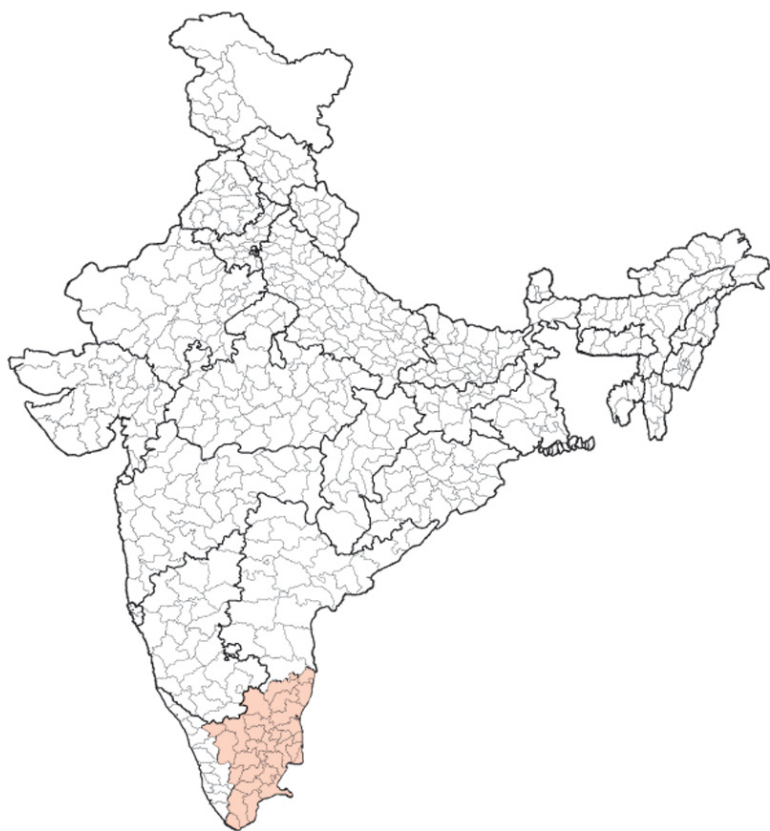


FIGURE 5(K) : Map of India highlighting Pondicherry & Tamil Nadu State

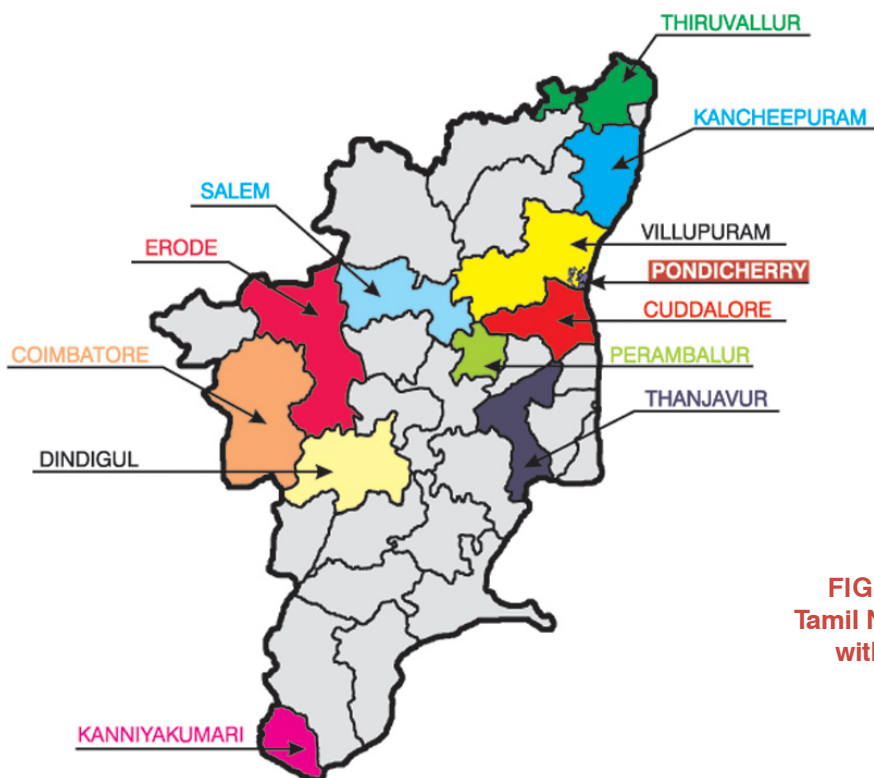


FIGURE 5(L) : Map of Pondicherry & Tamil Nadu State highlighting the districts with MAAR above 36.2 per 100,000

5.32. PONDICHERRY DISTRICT, Pondicherry [U.T.] (Code 3402)

**TABLE 5.23(a) : Profile of Pondicherry District
(2001 Census)**

Area (in sq. kms.)	290.0
Decadal Growth Rate (1991-2001)	20.82%
Literacy Rate	
Males	88.72%
Females	73.04%
Sex Ratio (females per 1000 males)	990
Density (persons per sq. km)	2534

Source: NCRP, Bangalore



FIGURE 5.32(a) : Map of India highlighting Pondicherry

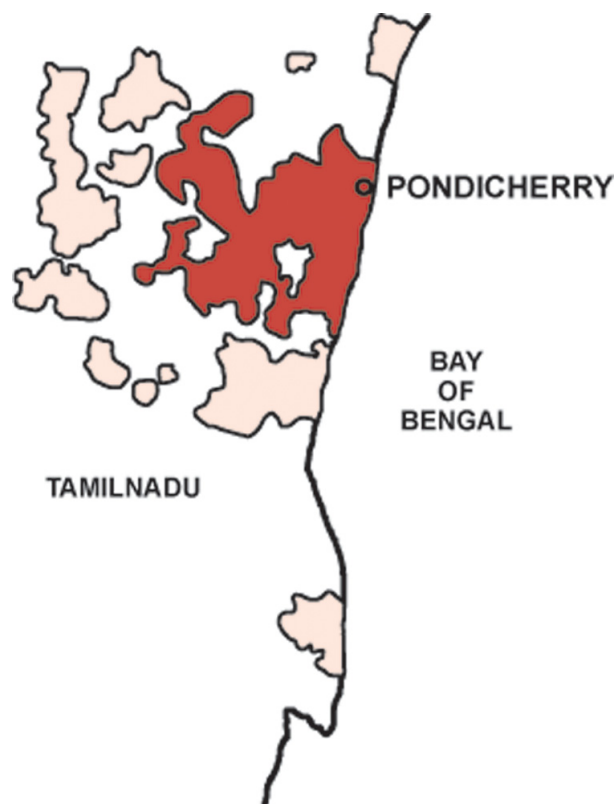


FIGURE 5.32(b) : Map of Pondicherry highlighting Pondicherry District

TABLE 5.32(b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
JIPMER, Pondicherry (104)	352	87.1	324	79.2	676	83.1
HBCR - Chennai (1009)	28	6.9	63	15.4	91	11.2
PBCR - Chennai (1004)	0	0.0	21	5.1	21	2.6
Vinayaka Missions MC, Karaikal (74)	16	4.0	0	0.0	16	2.0
All Other Centres	8	2.0	1	0.2	9	1.1
Total Cancers	404	100.0	409	100.0	813	100.0

Source: NCRP, Bangalore

TABLE 5.32(c) : Salient features of Cancer Incidence

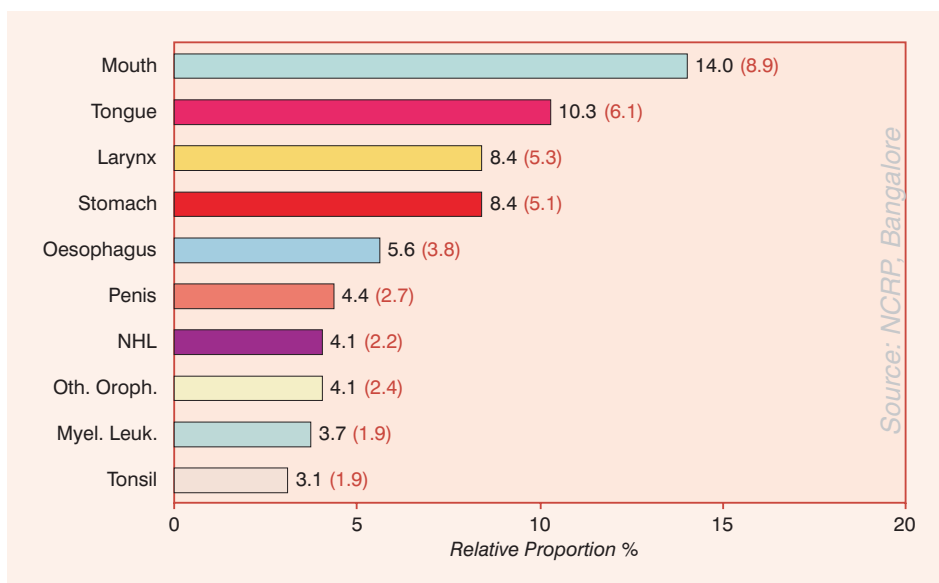
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	3,69,897	3,66,764	3,75,829	3,73,439	7,45,726	7,40,203
Total Cancers (All sites)	146	258	175	234	321	492
Min. Crude IR	39.5	70.4	46.6	62.7	43.1	66.5
Min. Age Adjusted IR	53.2	92.3	64.0	81.5	58.7	86.9
Min. Truncated IR	111.2	216.3	116.0	175.6	113.7	195.8

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

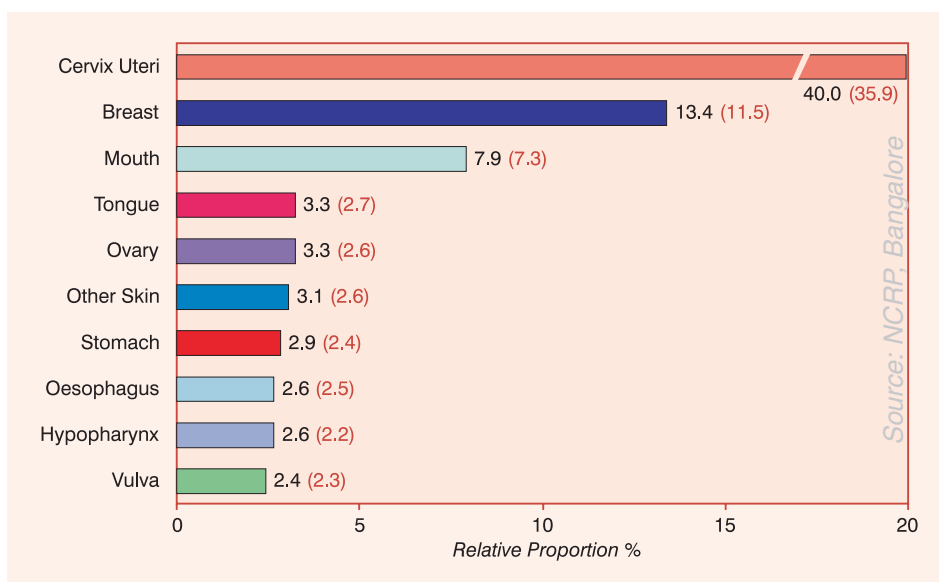
FIGURE 5.32(c) : Ten Leading Sites of Cancer (2001 - 2002)
 (Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Source: NCRP, Bangalore

Females



Source: NCRP, Bangalore

5.33. THIRUVALLUR DISTRICT, Tamil Nadu State

(Code 3301)

TABLE 5.33(a) : Profile of Thiruvallur District (2001 Census)	
Area (in sq. kms.)	3,424.0
Decadal Growth Rate (1991-2001)	22.35%
Literacy Rate	
Males	84.62%
Females	68.23%
Sex Ratio (females per 1000 males)	970
Density (persons per sq. km)	800

Source: NCRP, Bangalore

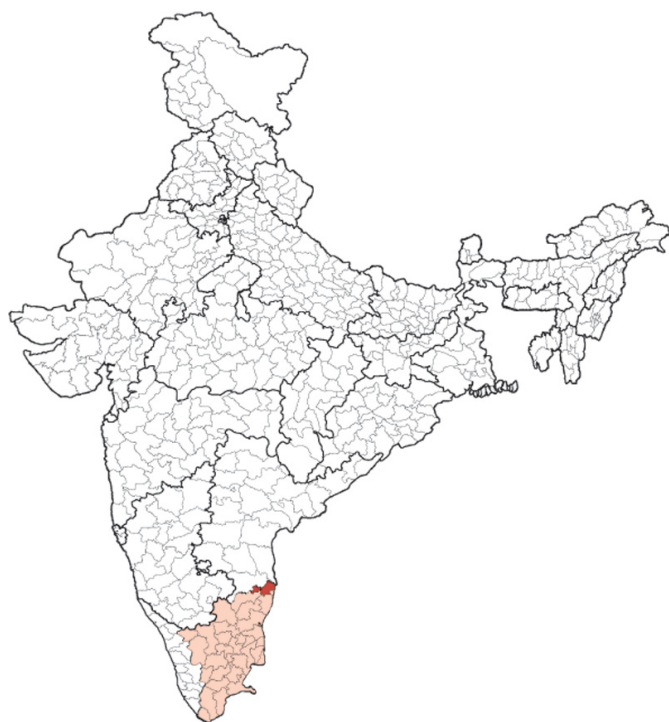


FIGURE 5.33(a) : Map of India highlighting Tamil Nadu State

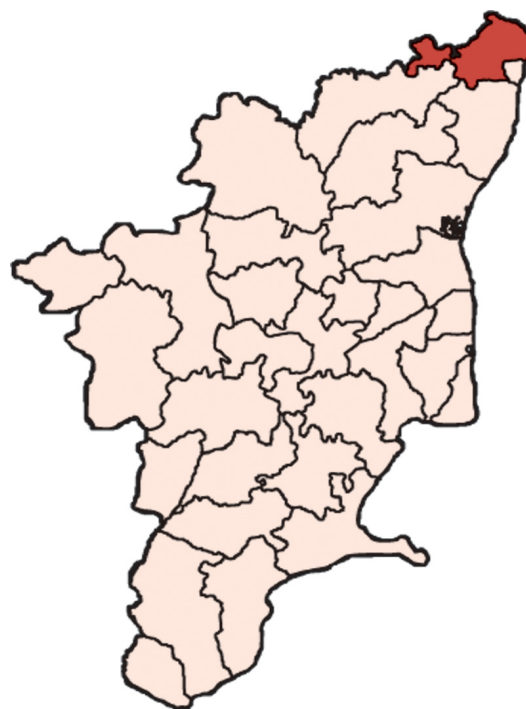


FIGURE 5.33(b) : Map of Tamil Nadu State highlighting Thiruvallur District

TABLE 5.33(b) : Centrewise Distribution of Cancers (2002)
Number (#) and Relative Proportion (%)

Centre (with code in parentheses)	#	%
PBCR - Chennai (1004)	1268	78.2
HBCR - Chennai (1009)	332	20.5
Sri Ramachandra MC, Chennai (88)	17	1.0
All Other Centres	4	0.2
Total Cancers	1621	100.0

Source: NCRP, Bangalore

TABLE 5.33(c) : Salient features of Cancer Incidence (2002)

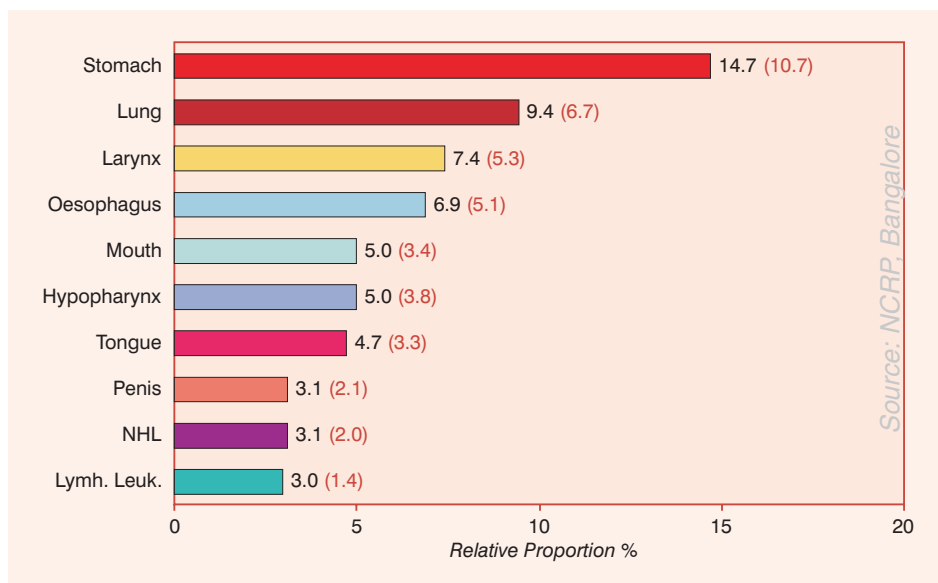
	Males	Females
Estimated Population	14,19,827	13,71,818
Total Cancers (All sites)	742	879
Min. Crude IR	52.3	64.1
Min. Age Adjusted IR	68.2	80.3
Min. Truncated IR	138.4	197.4

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

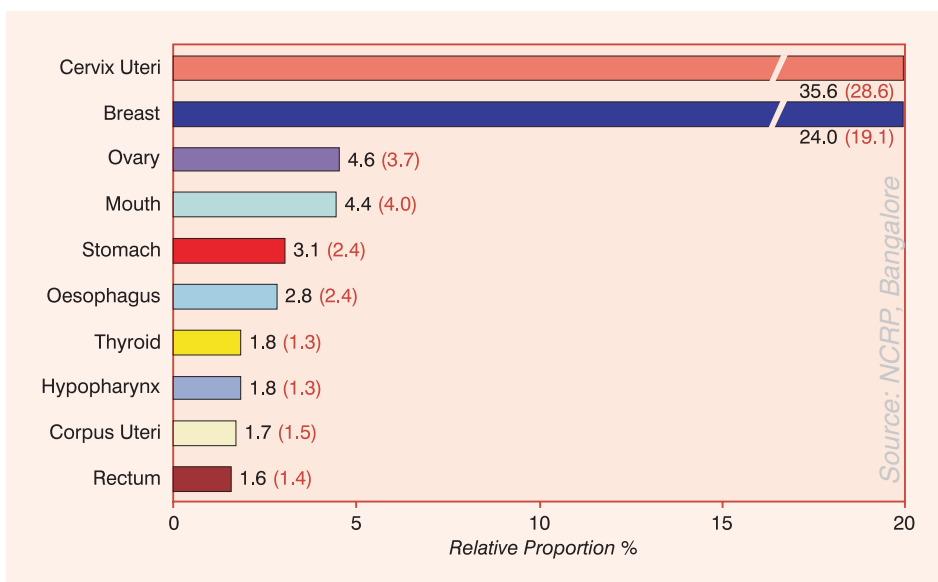
FIGURE 5.33(c) : Ten Leading Sites of Cancer (2002)
(Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Source: NCRP, Bangalore

Females



Source: NCRP, Bangalore

5.34. KANCHEEPURAM DISTRICT, Tamil Nadu State

(Code 3303)

TABLE 5.34(a) : Profile of Kancheepuram District (2001 Census)

Area (in sq. kms.)	4,433.0
Decadal Growth Rate (1991-2001)	18.84%
Literacy Rate	
Males	84.82%
Females	70.21%
Sex Ratio (females per 1000 males)	972
Density (persons per sq. km)	647

Source: NCRP, Bangalore

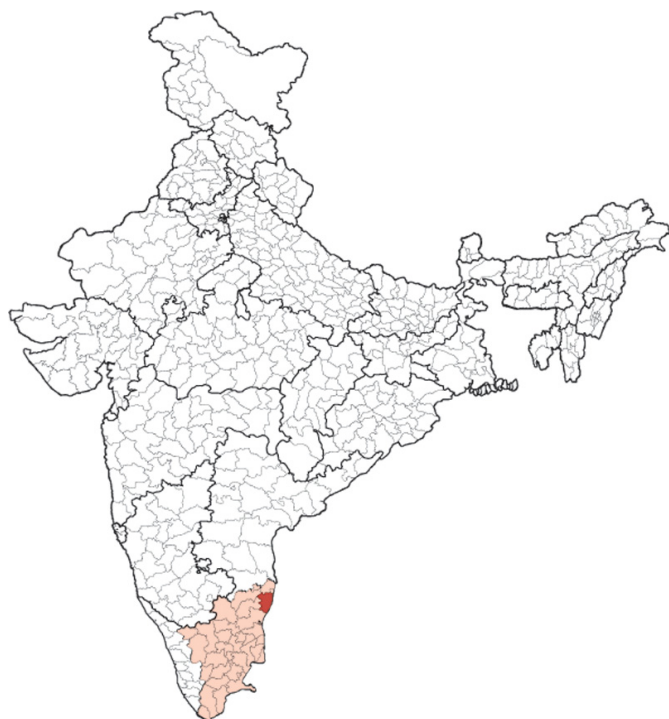


FIGURE 5.34(a) : Map of India highlighting Tamil Nadu State

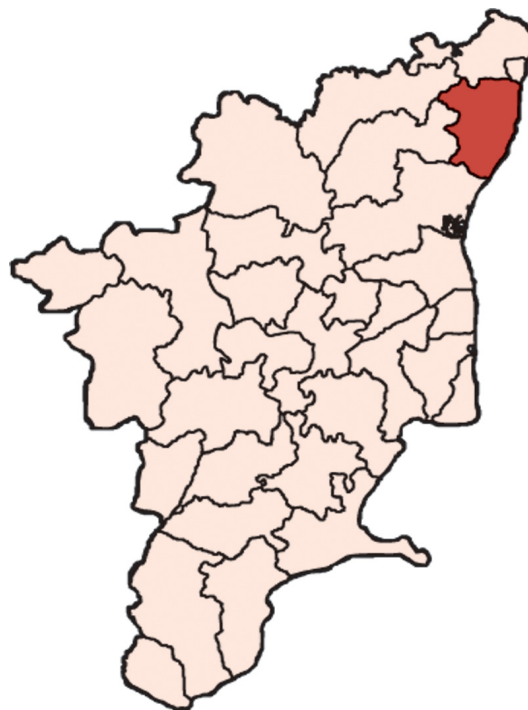


FIGURE 5.34(b) : Map of Tamil Nadu State highlighting Kancheepuram District

TABLE 5.34(b) : Centrewise Distribution of Cancers (2002)
Number (#) and Relative Proportion (%)

Centre (with code in parentheses)	#	%
PBCR - Chennai (1004)	1237	71.8
HBCR - Chennai (1009)	448	26.0
JIPMER, Pondicherry (104)	14	0.8
Sri Ramachandra MC, Chennai (88)	18	1.0
All Other Centres	6	0.3
Total Cancers	1723	100.0

Source: NCRP, Bangalore

TABLE 5.34(c) : Salient features of Cancer Incidence (2002)

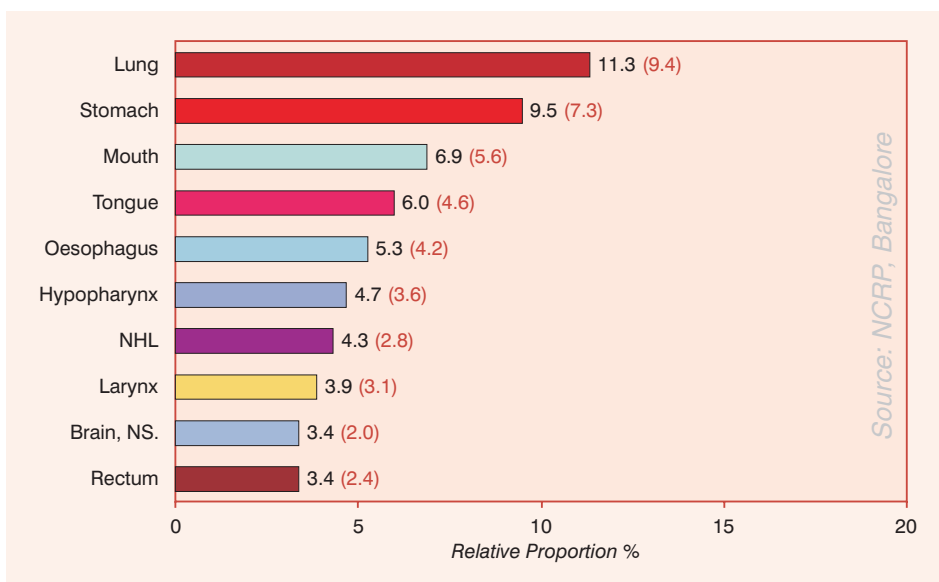
	Males	Females
Estimated Population	14,86,491	14,53,907
Total Cancers (All sites)	856	867
Min. Crude IR	57.6	59.6
Min. Age Adjusted IR	75.5	75.1
Min. Truncated IR	139.5	174.9

Source: NCRP, Bangalore

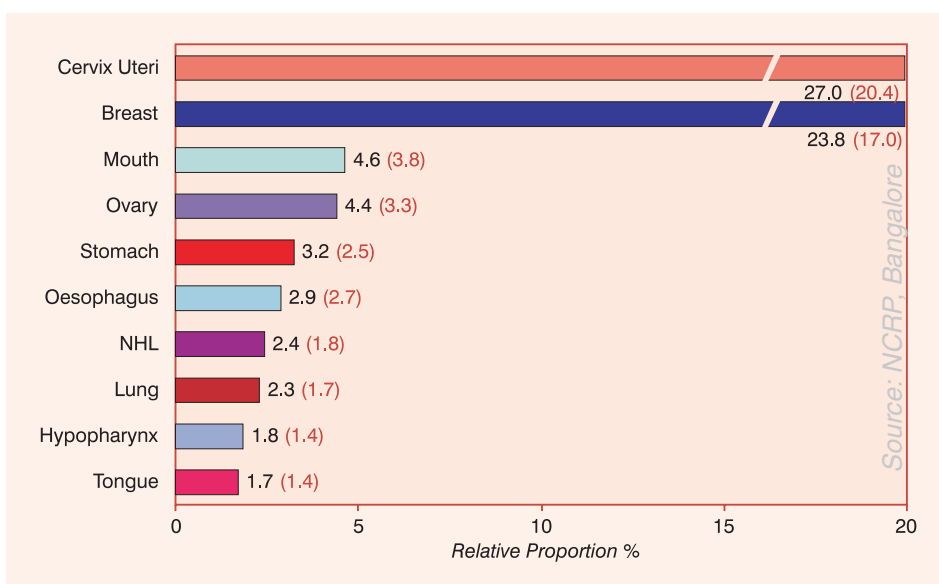
Min. = Minimum IR = Incidence Rate / 100,000

FIGURE 5.34(c) : Ten Leading Sites of Cancer (2002)
(Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Females



5.35. VILLUPURAM DISTRICT, Tamil Nadu State

(Code 3307)

TABLE 5.35(a) : Profile of Villupuram District (2001 Census)	
Area (in sq. kms.)	7,250.0
Decadal Growth Rate (1991-2001)	6.83%
Literacy Rate	
Males	76.02%
Females	53.16%
Sex Ratio (females per 1000 males)	983
Density (persons per sq. km)	406

Source: NCFRP, Bangalore

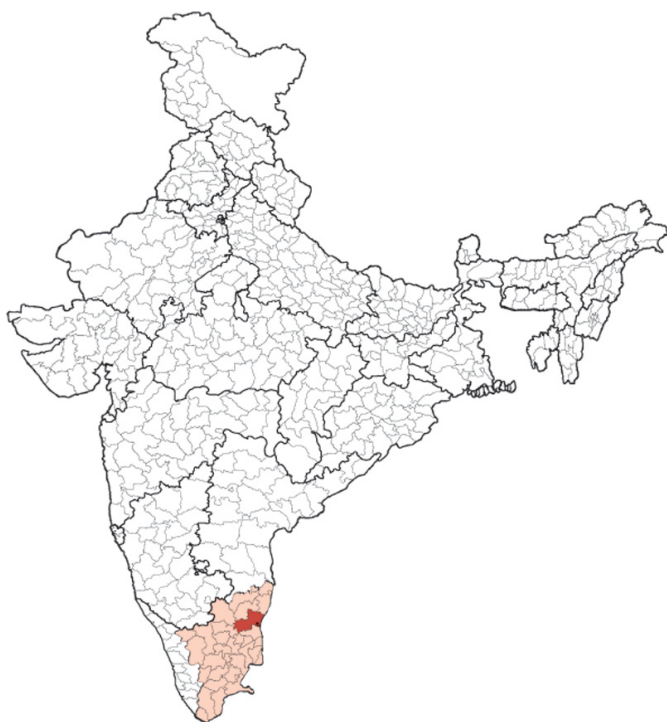


FIGURE 5.35(a) : Map of India highlighting Tamil Nadu State



FIGURE 5.35(b) : Map of Tamil Nadu State highlighting Villupuram District

TABLE 5.35(b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
Centre (with code in parentheses)						
JIPMER, Pondicherry (104)	685	83.5	739	54.1	1424	65.2
HBCR - Chennai (1009)	119	14.5	279	20.4	398	18.2
PBCR - Chennai (1004)	0	0.0	336	24.6	336	15.4
All Other Centres	16	2.0	11	0.8	27	1.2
Total Cancers	820	100.0	1365	100.0	2185	100.0

Source: NCFRP, Bangalore

TABLE 5.35(c) : Salient features of Cancer Incidence

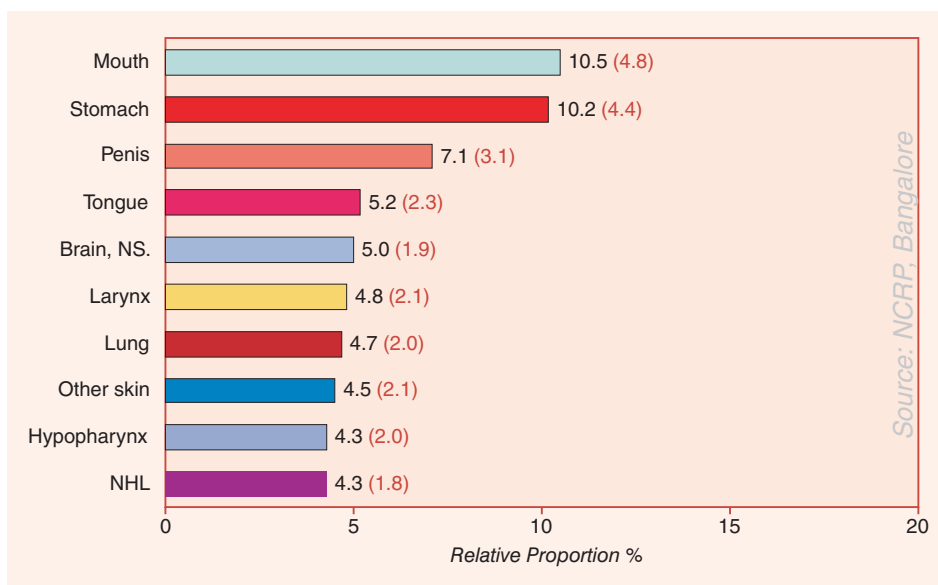
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	15,18,032	14,73,020	16,38,622	15,29,968	31,56,654	30,02,988
Total Cancers (All sites)	308	512	580	785	888	1,297
Min. Crude IR	20.3	34.8	35.4	51.3	28.1	43.2
Min. Age Adjusted IR	24.8	44.4	42.8	65.2	34.2	55.0
Min. Truncated IR	43.5	104.9	87.4	148.4	66.2	127.2

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

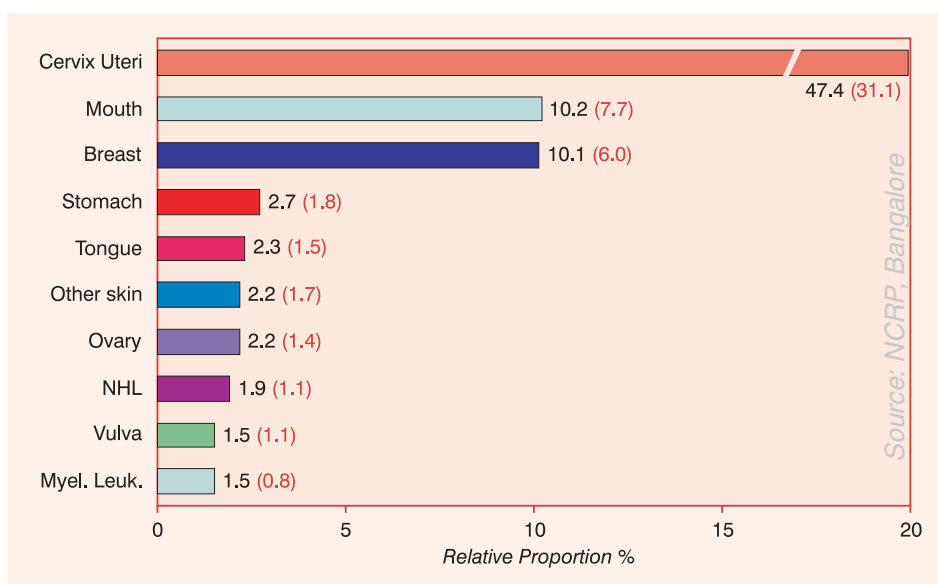
FIGURE 5.35(c) : Ten Leading Sites of Cancer (2002)
(Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Source: NCRP, Bangalore

Females



Source: NCRP, Bangalore

5.36. CUDDALORE DISTRICT, Tamil Nadu State

(Code 3318)

**TABLE 5.36(a) : Profile of Cuddalore District
(2001 Census)**

Area (in sq. kms.)	3,645.0
Decadal Growth Rate (1991-2001)	7.43%
Literacy Rate	
Males	82.76%
Females	60.86%
Sex Ratio (females per 1000 males)	985
Density (persons per sq. km)	626

Source: NCRP, Bangalore

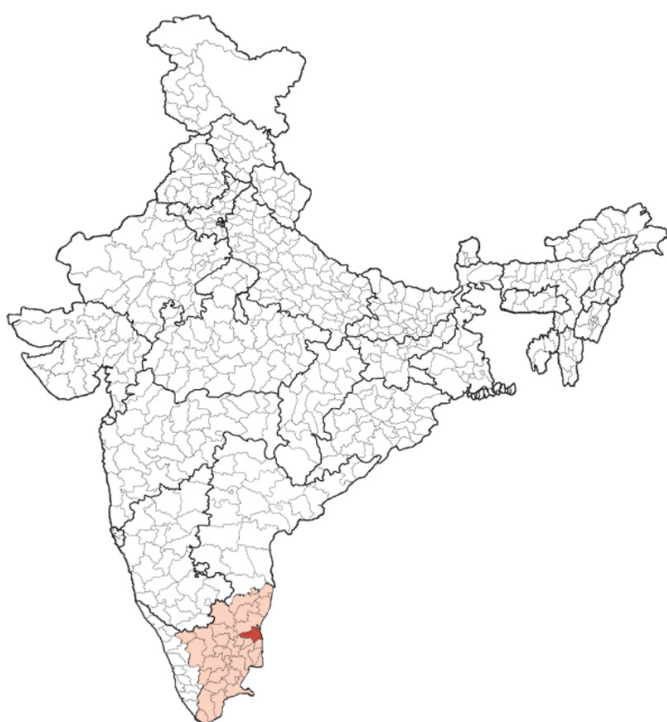


FIGURE 5.36(a) : Map of India highlighting Tamil Nadu State



FIGURE 5.36(b) : Map of Tamil Nadu State highlighting Cuddalore District

TABLE 5.36(b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
Centre (with code in parentheses)						
JIPMER, Pondicherry (104)	499	75.0	524	58.0	1023	65.2
HBCR - Chennai (1009)	152	22.9	248	27.4	400	25.5
PBCR - Chennai (1004)	0	0.0	125	13.8	125	8.0
All Other Centres	14	2.1	7	0.8	21	1.3
Total Cancers	665	100.0	904	100.0	1569	100.0

Source: NCRP, Bangalore

TABLE 5.36(c) : Salient features of Cancer Incidence

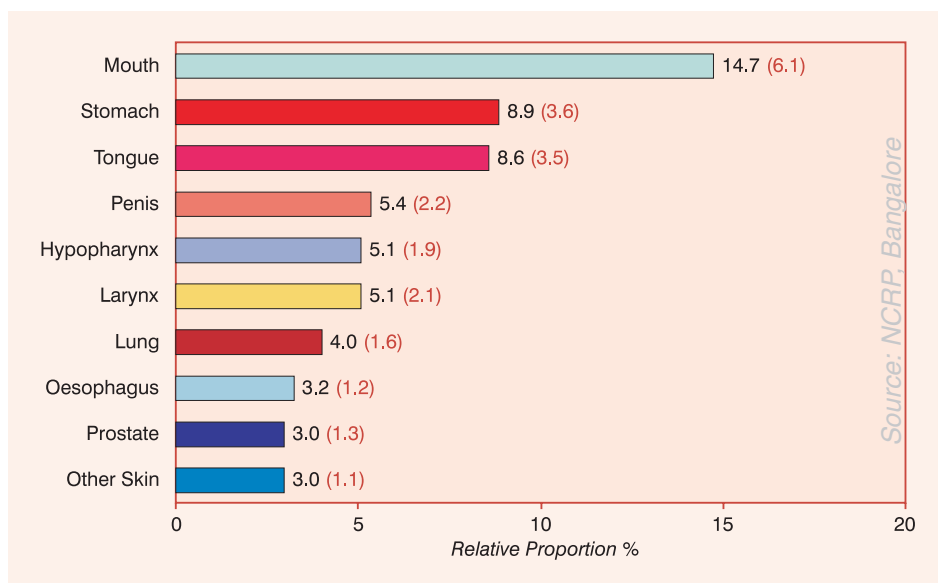
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	11,57,771	11,42,164	12,00,560	11,85,602	23,58,331	23,27,766
Total Cancers (All sites)	205	460	373	531	578	991
Min. Crude IR	17.7	40.3	31.1	44.8	24.5	42.6
Min. Age Adjusted IR	22.0	50.3	39.2	55.9	30.7	53.2
Min. Truncated IR	39.6	123.5	68.3	134.5	54.1	128.8

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

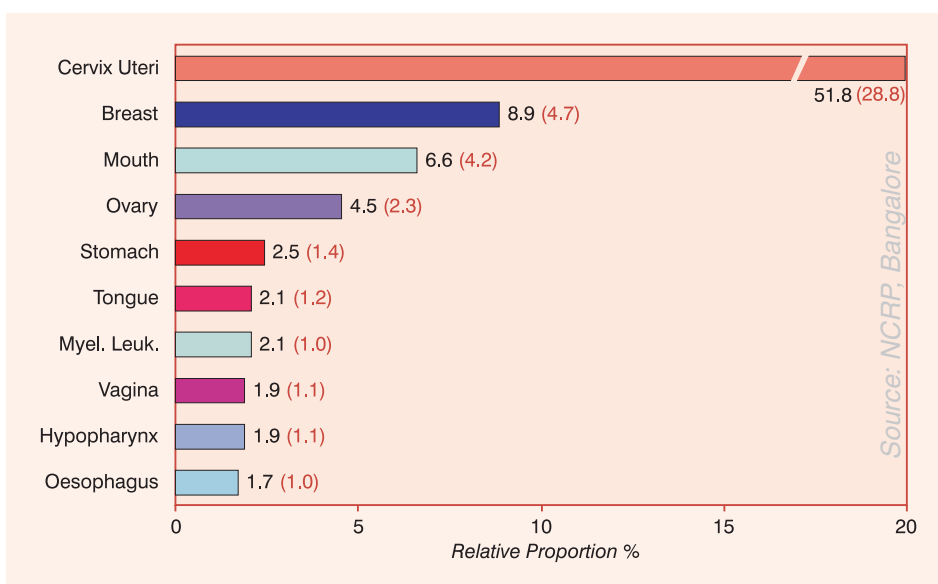
FIGURE 5.36(c) : Ten Leading Sites of Cancer (2002)
(Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Source: NCRP, Bangalore

Females



Source: NCRP, Bangalore

5.37. COIMBATORE DISTRICT, Tamil Nadu State

(Code 3312)

TABLE 5.37(a) : Profile of Coimbatore District (2001 Census)

Area (in sq. kms.)	7,469.0
Decadal Growth Rate (1991-2001)	20.40%
Literacy Rate	
Males	83.82%
Females	69.80%
Sex Ratio (females per 1000 males)	959
Density (persons per sq. km)	566

Source: NCRP, Bangalore

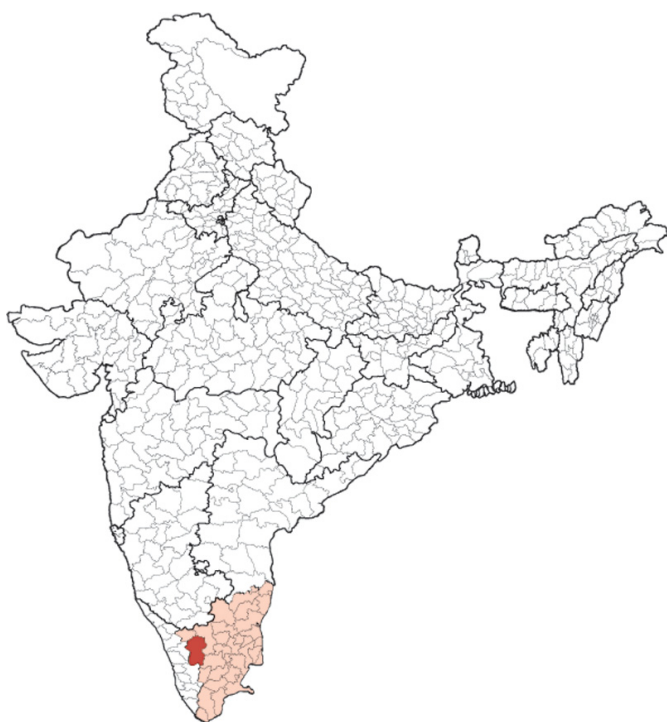


FIGURE 5.37(a) : Map of India highlighting Tamil Nadu State



FIGURE 5.37(b) : Map of Tamil Nadu State highlighting Coimbatore District

TABLE 5.37(b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
Centre (with code in parentheses)						
GKNM Hospital, Coimbatore (54)	841	56.9	845	46.7	1686	51.3
Sai Subramanian Pathology Lab, CBE (91)	261	17.7	452	25.0	713	21.8
PSG Institute, Coimbatore (1)	258	17.5	242	13.4	500	15.2
HBCR - Chennai (1009)	66	4.5	90	5.0	156	4.7
PBCR - Chennai (1004)	0	0.0	114	6.3	114	3.5
Amala Cancer Hospital, Thrissur (96)	11	0.7	30	1.7	41	1.2
All Other Centres	40	2.7	37	2.0	77	2.3
Total Cancers	1477	100.0	1810	100.0	3287	100.0

Source: NCRP, Bangalore

TABLE 5.37(c) : Salient features of Cancer Incidence

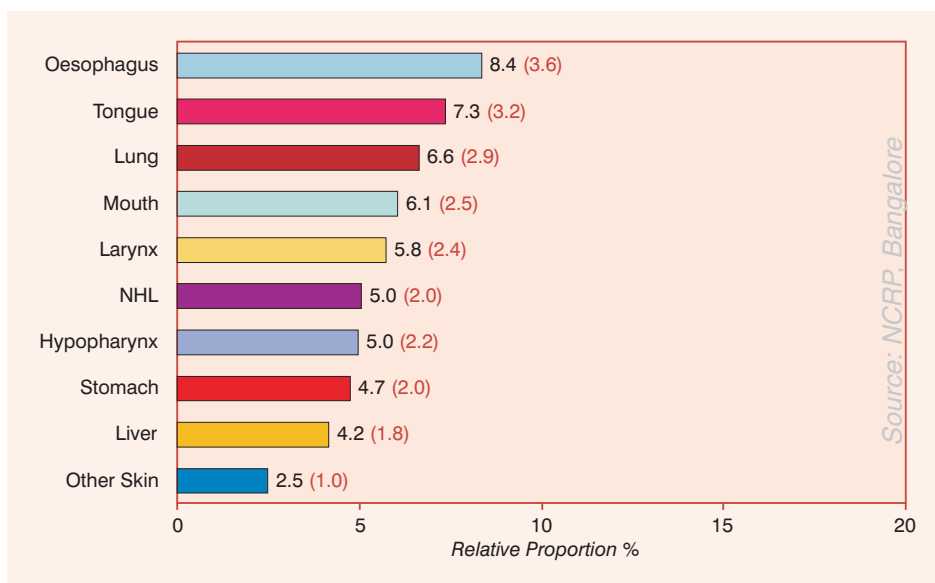
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	21,59,383	20,71,196	21,95,136	21,06,707	43,54,519	41,77,903
Total Cancers (All sites)	704	773	862	948	1,566	1,721
Min. Crude IR	32.8	37.3	39.3	45.0	36.0	41.2
Min. Age Adjusted IR	38.1	42.4	45.3	52.2	41.7	47.3
Min. Truncated IR	63.2	89.0	75.6	105.8	69.7	97.6

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

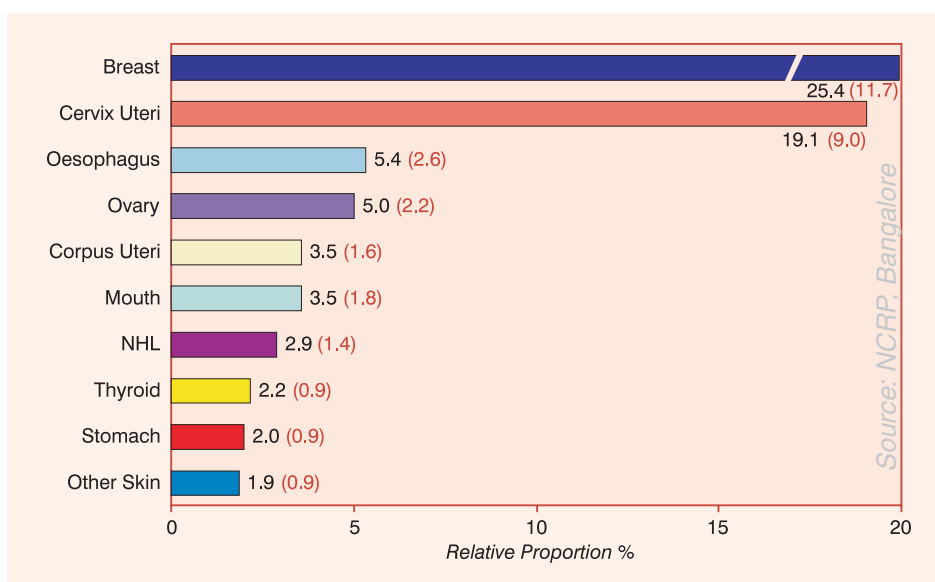
FIGURE 5.37(c) : Ten Leading Sites of Cancer (2001 - 2002)
 (Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Source: NCRP, Bangalore

Females



Source: NCRP, Bangalore

5.38. ERODE DISTRICT, Tamil Nadu State

(Code 3310)

TABLE 5.38(a) : Profile of Erode District (2001 Census)

Area (in sq. kms.)	8,209.0
Decadal Growth Rate (1991-2001)	10.94%
Literacy Rate	
Males	75.49%
Females	55.26%
Sex Ratio (females per 1000 males)	971
Density (persons per sq. km)	314

Source: NCRFP, Bangalore

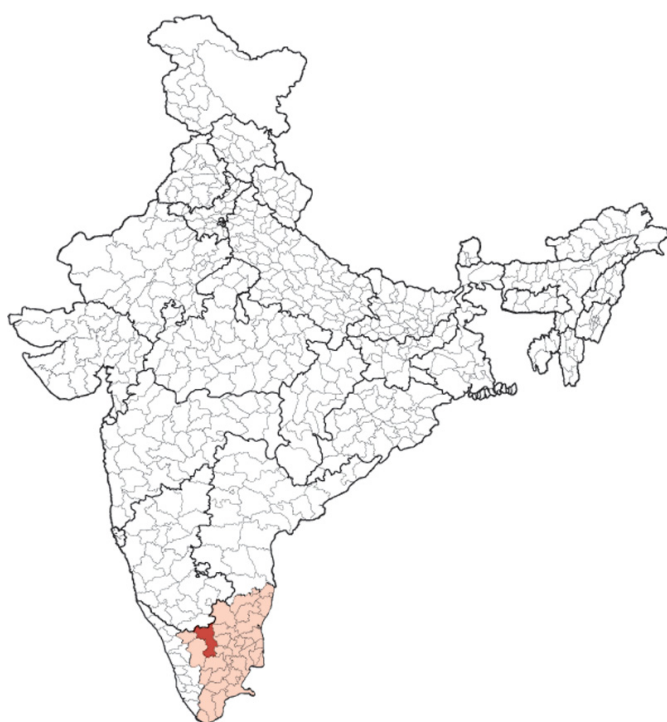


FIGURE 5.38(a) : Map of India highlighting Tamil Nadu State



FIGURE 5.38(b) : Map of Tamil Nadu State highlighting Erode District

TABLE 5.38(b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
Centre (with code in parentheses)						
Sai Subramanian Lab, Coimbatore (91)	356	37.2	556	45.1	912	41.6
GKNM Hospital, Coimbatore (54)	428	44.7	421	34.1	849	38.7
HBCR - Chennai (1009)	61	6.4	90	7.3	151	6.9
JIPMER, Pondicherry (104)	53	5.5	57	4.6	110	5.0
PSG Institute, Coimbatore (1)	38	4.0	33	2.7	71	3.2
PBCR - Chennai (1004)	0	0.0	70	5.7	70	3.2
All Other Centres	21	2.2	7	0.6	28	1.3
Total Cancers	957	100.0	1234	100.0	2191	100.0

Source: NCRFP, Bangalore

TABLE 5.38(c) : Salient features of Cancer Incidence

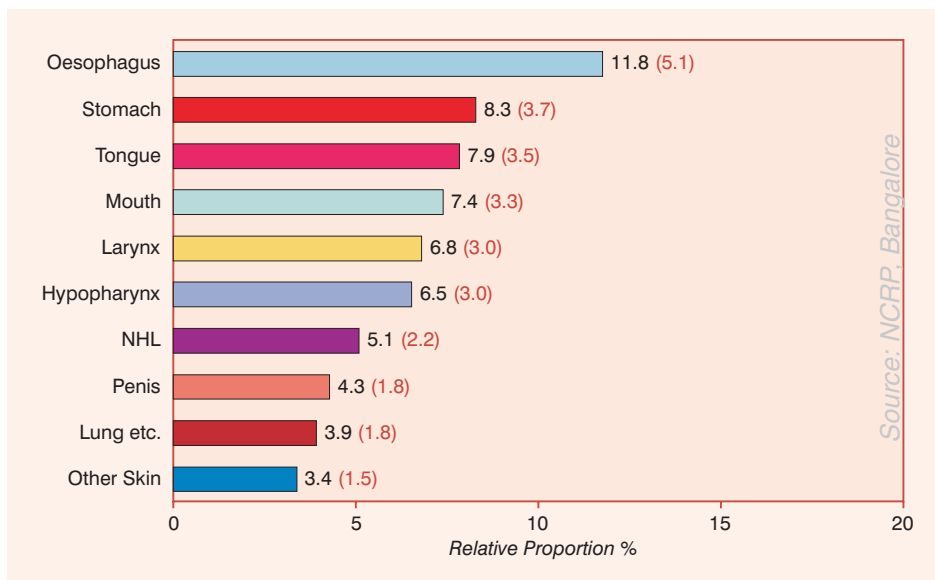
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	13,03,035	12,66,309	13,15,041	12,79,538	26,18,076	25,45,847
Total Cancers (All sites)	479	478	642	592	1,121	1,070
Min. Crude IR	36.8	37.8	48.8	46.3	42.8	42.0
Min. Age Adjusted IR	37.8	38.8	50.0	47.9	43.9	43.4
Min. Truncated IR	75.2	90.4	89.6	108.3	82.5	99.6

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

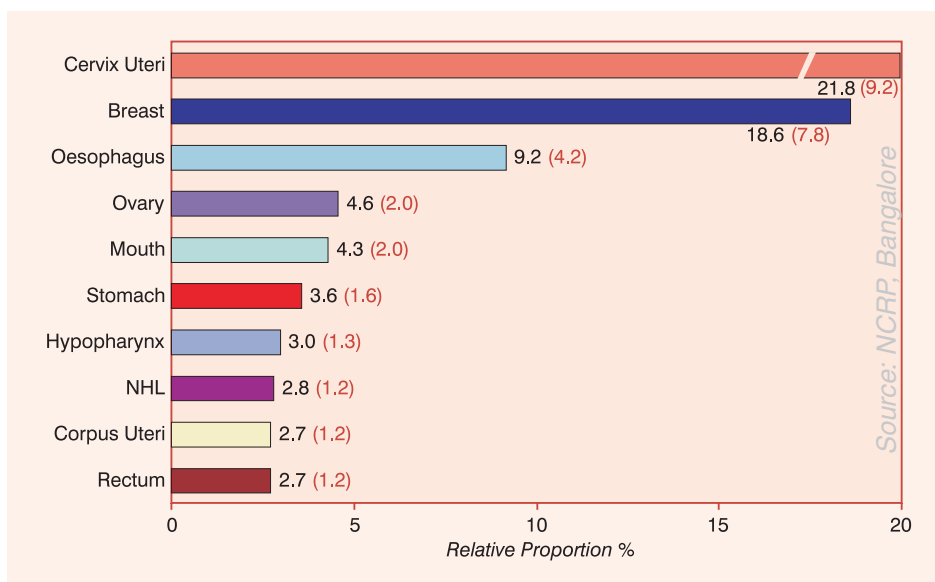
FIGURE 5.38(c) : Ten Leading Sites of Cancer (2001 - 2002)
 (Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Source: NCRP, Bangalore

Females



Source: NCRP, Bangalore

5.39. KANNIYAKUMARI DISTRICT, Tamil Nadu State

(Code 3330)

TABLE 5.39(a) : Profile of Kanniyakumari District (2001 Census)

Area (in sq. kms.)	1,684.0
Decadal Growth Rate (1991-2001)	4.34%
Literacy Rate	
Males	90.88%
Females	85.38%
Sex Ratio (females per 1000 males)	1013
Density (persons per sq. km)	992

Source: NCRP, Bangalore

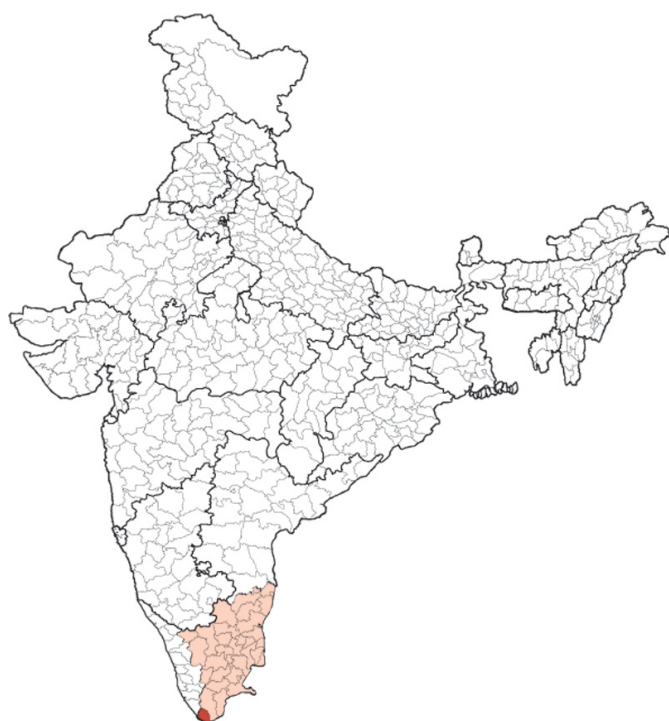


FIGURE 5.39(a) : Map of India highlighting Tamil Nadu State

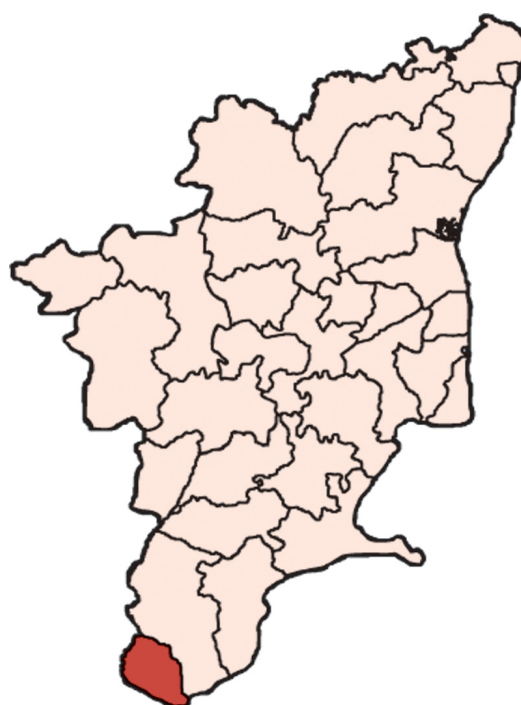


FIGURE 5.39(b) : Map of Tamil Nadu State highlighting Kanniyakumari District

TABLE 5.39(b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
Centre (with code in parentheses)						
HBCR -Thiruvananthapuram (1006)	409	91.3	528	88.9	937	89.9
Tirunelveli Medical College, Tirunelveli (24)	18	4.0	20	3.4	38	3.6
HBCR - Chennai (1009)	12	2.7	21	3.5	33	3.2
PBCR - Chennai (1004)	0	0.0	21	3.5	21	2.0
All Other Centres	9	2.0	4	0.7	13	1.2
Total Cancers	448	100.0	594	100.0	1042	100.0

Source: NCRP, Bangalore

TABLE 5.39(c) : Salient features of Cancer Incidence

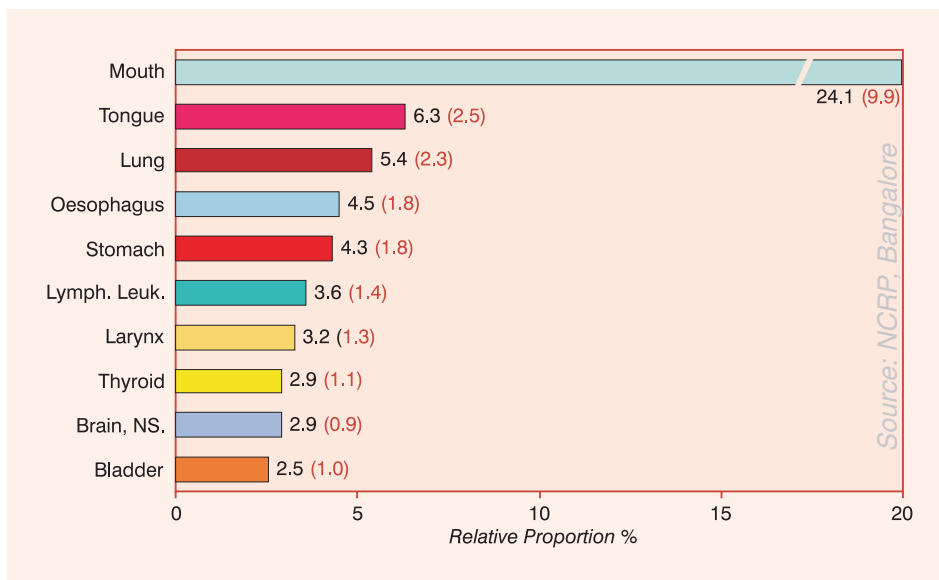
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	8,28,589	8,39,691	8,31,146	8,44,044	16,59,735	16,83,735
Total Cancers (All sites)	233	215	322	272	555	487
Min. Crude IR	28.1	25.6	38.7	32.2	33.4	28.9
Min. Age Adjusted IR	33.3	29.6	45.6	37.8	39.5	33.7
Min. Truncated IR	71.6	67.1	93.6	89.1	82.5	77.9

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

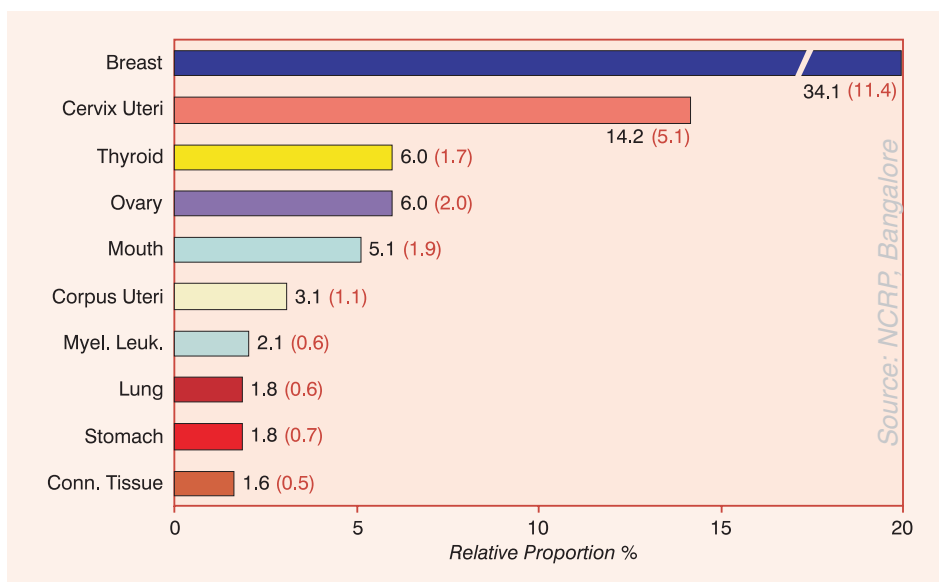
FIGURE 5.39(c) : Ten Leading Sites of Cancer (2001 - 2002)
 (Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Source: NCRP, Bangalore

Females



Source: NCRP, Bangalore

5.40. SALEM DISTRICT, Tamil Nadu State

(Code 3308)

TABLE 5.40(a) : Profile of Salem District (2001 Census)

Area (in sq. kms.)	5,219.6
Decadal Growth Rate (1991-2001)	16.28%
Literacy Rate	
Males	75.25%
Females	55.61%
Sex Ratio (females per 1000 males)	929
Density (persons per sq. km)	573

Source: NCRP, Bangalore

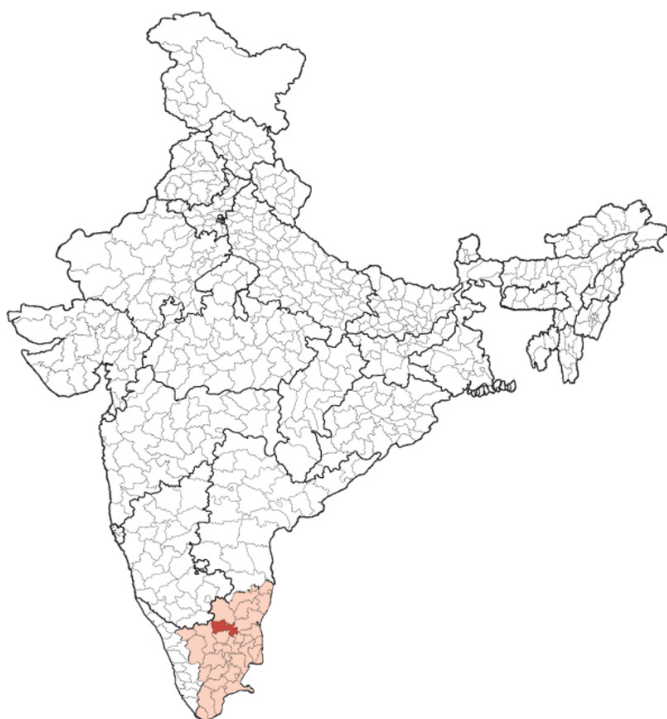


FIGURE 5.40(a) : Map of India highlighting Tamil Nadu State



FIGURE 5.40(b) : Map of Tamil Nadu State highlighting Salem District

TABLE 5.40(b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
Centre (with code in parentheses)						
Sai Subramanian Pathology Lab (91)	196	28.8	249	25.9	445	27.1
HBCR - Chennai (1009)	188	27.6	183	19.1	371	22.6
JIPMER (104)	150	22.0	188	19.6	338	20.6
GKNM Hospital (54)	124	18.2	120	12.5	244	14.9
PBCR - Chennai (1004)	0	0.0	206	21.5	206	12.6
All Other Centres	23	3.4	14	1.5	37	2.3
Total Cancers	681	100.0	960	100.0	1641	100.0

Source: NCRP, Bangalore

TABLE 5.40(c) : Salient features of Cancer Incidence

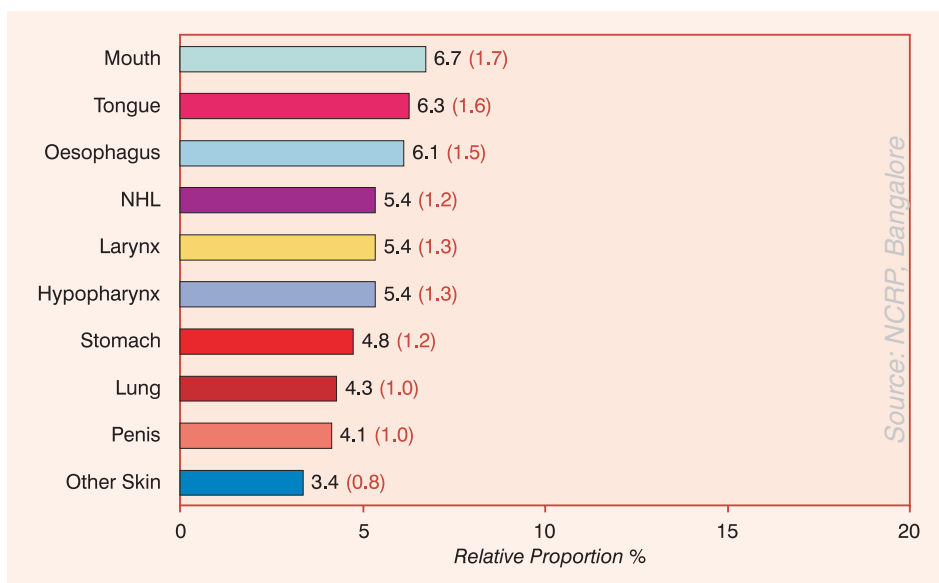
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	15,46,867	14,39,580	15,67,057	14,59,230	31,13,924	28,98,810
Total Cancers (All sites)	265	416	388	572	653	988
Min. Crude IR	17.1	28.9	24.8	39.2	21.0	34.1
Min. Age Adjusted IR	19.4	31.7	28.1	42.3	23.8	37.0
Min. Truncated IR	38.9	69.7	51.1	99.2	45.3	84.6

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

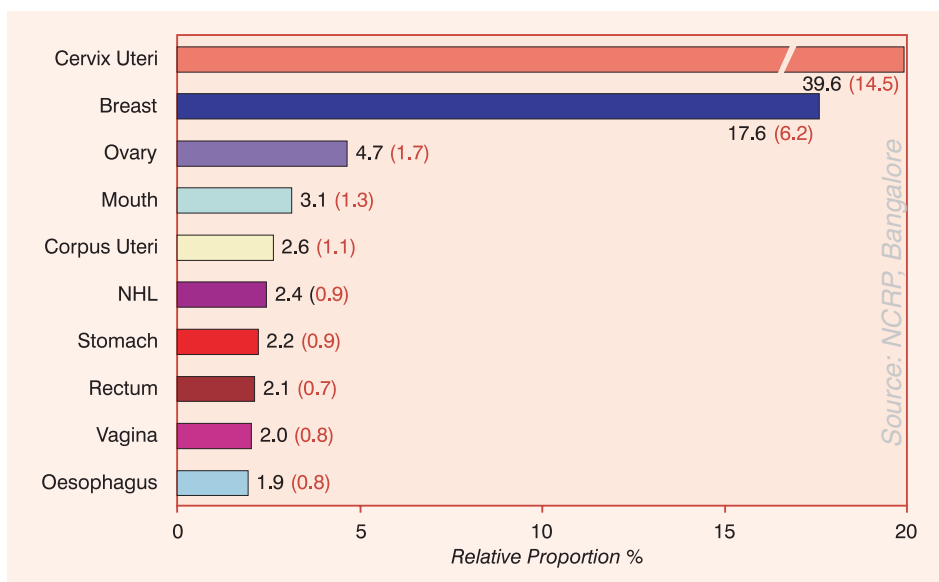
FIGURE 5.40(c) : Ten Leading Sites of Cancer (2001 - 2002)
 (Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Source: NCRP, Bangalore

Females



Source: NCRP, Bangalore

5.41. THANJAVUR DISTRICT, Tamil Nadu State

(Code 3321)

TABLE 5.41 (a) : Profile of Thanjavur District (2001 Census)

Area (in sq. kms.)	3,396.0
Decadal Growth Rate (1991-2001)	7.38%
Literacy Rate	
Males	85.45%
Females	66.95%
Sex Ratio (females per 1000 males)	1020
Density (persons per sq. km)	649

Source: NCRP, Bangalore

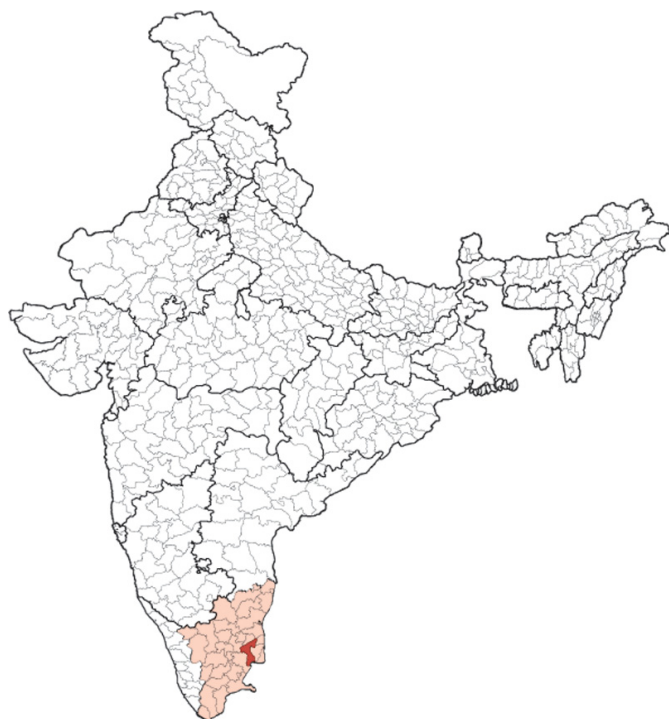


FIGURE 5.41(a) : Map of India highlighting Tamil Nadu State

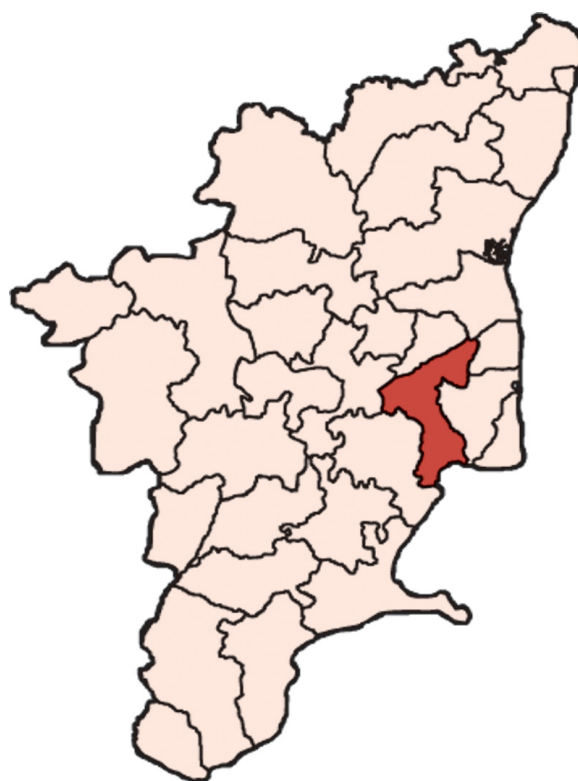


FIGURE 5.41(b) : Map of Tamil Nadu State highlighting Thanjavur District

TABLE 5.41 (b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
Centre (with code in parentheses)						
JIPMER, Pondicherry (104)	202	52.2	241	43.5	443	47.1
HBCR - Chennai (1009)	178	46.0	123	22.2	301	32.0
PBCR - Chennai (1004)	0	0.0	181	32.7	181	19.2
All Other Centres	7	1.8	9	1.6	16	1.7
Total Cancers	387	100.0	554	100.0	941	100.0

Source: NCRP, Bangalore

TABLE 5.41(c) : Salient features of Cancer Incidence

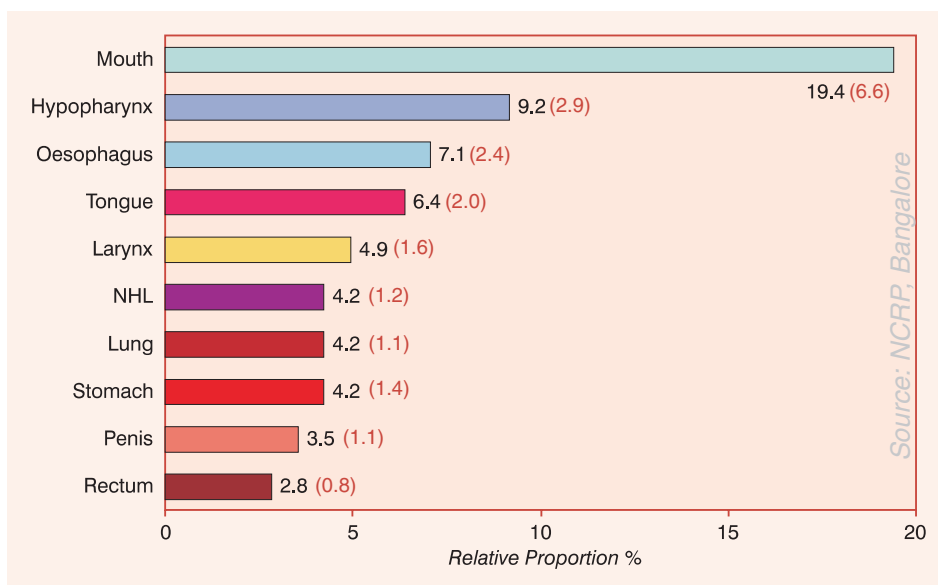
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	10,91,409	11,16,229	11,14,376	11,46,111	22,05,785	22,62,340
Total Cancers (All sites)	179	208	283	271	462	479
Min. Crude IR	16.4	18.6	25.3	23.3	20.9	21.0
Min. Age Adjusted IR	20.2	25.6	31.1	31.6	25.7	28.7
Min. Truncated IR	44.1	63.0	66.9	74.0	55.6	68.6

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

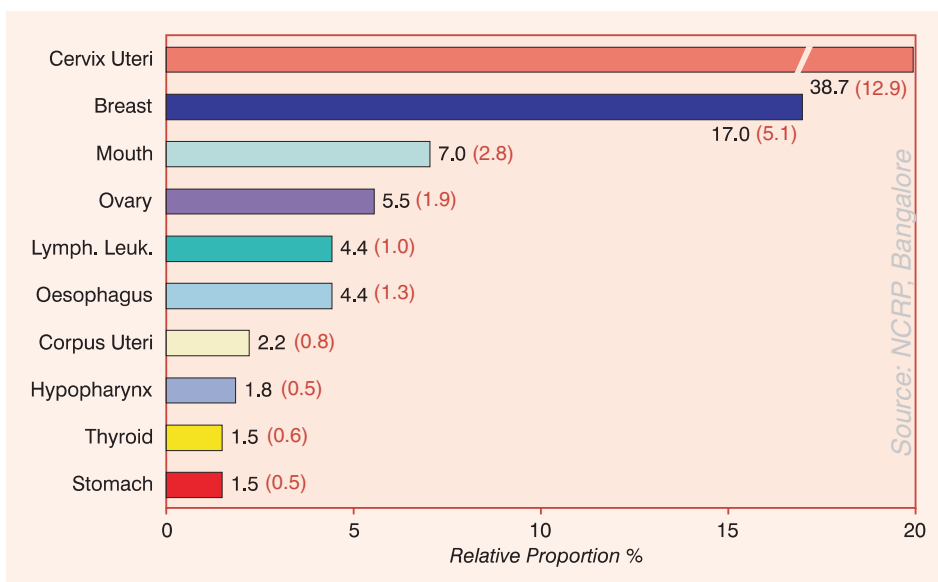
FIGURE 5.41(c) : Ten Leading Sites of Cancer (2002)
 (Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Source: NCRP, Bangalore

Females



Source: NCRP, Bangalore

5.42. DINDIGUL DISTRICT, Tamil Nadu State

(Code 3313)

TABLE 5.42(a) : Profile of Dindigul District (2001 Census)

Area (in sq. kms.)	6,058.0
Decadal Growth Rate (1991-2001)	8.99%
Literacy Rate	
Males	80.29%
Females	59.30%
Sex Ratio (females per 1000 males)	986
Density (persons per sq. km)	317

Source: NCRP, Bangalore



FIGURE 5.42(a) : Map of India highlighting Tamil Nadu State



FIGURE 5.42(b) : Map of Tamil Nadu State highlighting Dindigul District

TABLE 5.42(b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
Centre (with code in parentheses)						
PBCR - Ambilikai (205)	413	78.2	402	73.2	815	75.7
HBCR - Chennai (1009)	61	11.6	55	10.0	116	10.8
GKNM Hospital, Coimbatore (54)	40	7.6	37	6.7	77	7.1
PBCR - Chennai (1004)	0	0.0	35	6.4	35	3.2
JIPMER - Pondicherry (104)	5	0.9	11	2.0	16	1.5
All Other Centres	9	1.7	9	1.6	18	1.7
Total Cancers	528	100.0	549	100.0	1077	100.0

Source: NCRP, Bangalore

TABLE 5.42(c) : Salient features of Cancer Incidence

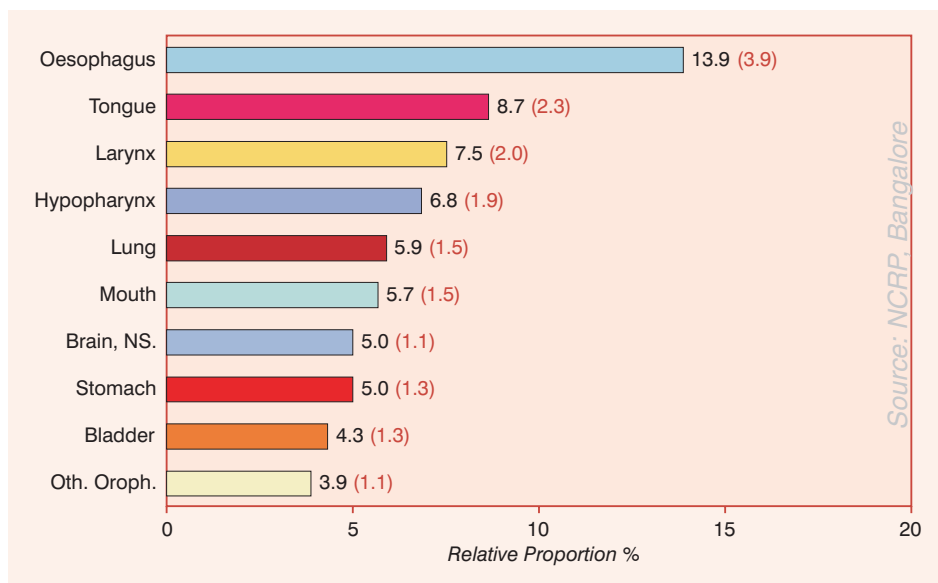
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	9,61,713	9,49,682	9,69,202	9,57,926	19,30,915	19,07,608
Total Cancers (All sites)	225	303	214	335	439	638
Min. Crude IR	23.4	31.9	22.1	35.0	22.7	33.5
Min. Age Adjusted IR	27.2	35.7	25.2	38.2	26.2	37.0
Min. Truncated IR	60.2	90.7	47.7	96.4	53.8	93.5

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

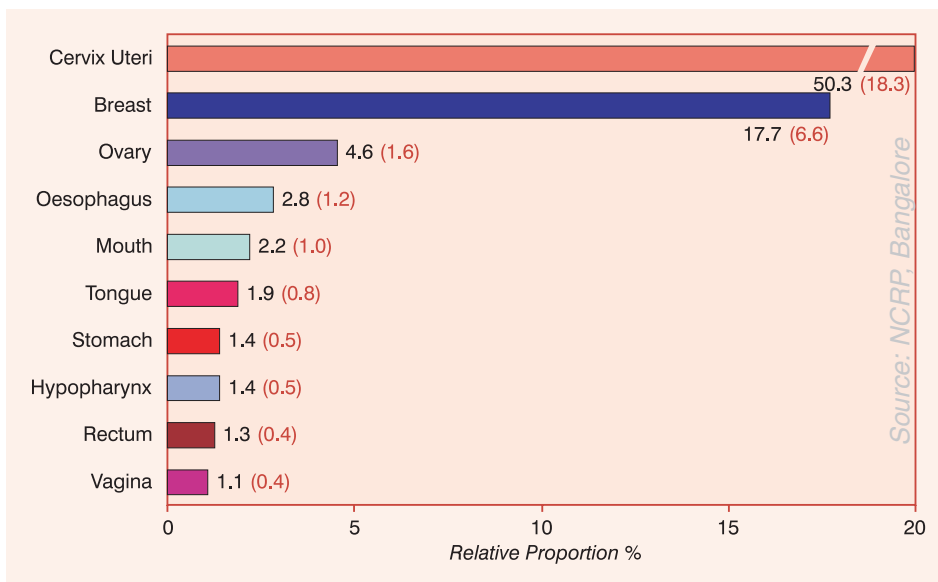
FIGURE 5.42(c) : Ten Leading Sites of Cancer (2001 - 2002)
 (Minimum Age Adjusted Incidence Rates given in parentheses)

Males



Source: NCRP, Bangalore

Females



Source: NCRP, Bangalore

5.43. KARAİKAL DISTRICT, Pondicherry [U.T]

(Code 3404)

TABLE 5.43(a) : Profile of Karaikal District (2001 Census)

Area (in sq. kms.)	161.0
Decadal Growth Rate (1991-2001)	17.11%
Literacy Rate	
Males	89.69%
Females	74.99%
Sex Ratio (females per 1000 males)	1,023
Density (persons per sq. km)	1,060

Source: NCFP, Bangalore

TABLE 5.43(b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year Centre (with code in parentheses)	2001		2002		2001 - 2002	
	#	%	#	%	#	%
JIPMER, Pondicherry (104)	24	52.2	27	55.1	51	53.7
Vinayaka Missions MC, Karaikal (74)	21	45.7	6	12.2	27	28.4
HBCR - Chennai (1009)	1	2.2	15	30.6	16	16.8
PBCR - Chennai (1004)	0	0.0	1	2.0	1	1.1
Total Cancers	46	100.0	49	100.0	95	100.0

Source: NCFP, Bangalore

TABLE 5.43(c) : Salient features of Cancer Incidence

Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	84,607	86,594	85,776	87,896	1,70,383	1,74,490
Total Cancers (All sites)	19	27	23	26	42	53
Min. Crude IR	22.5	31.2	26.8	29.6	24.7	30.4
Min. Age Adjusted IR	30.3	38.1	32.0	34.8	31.1	36.5
Min. Truncated IR	33.1	86.9	64.0	93.3	48.6	90.1

Source: NCFP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000

5.44. PERAMBALUR DISTRICT, Tamil Nadu State

(Code 3316)

TABLE 5.44(a) : Profile of Perambalur District (2001 Census)

Area (in sq. kms.)	1,750.8
Decadal Growth Rate (1991-2001)	7.97%
Literacy Rate	
Males	77.68%
Females	54.26%
Sex Ratio (females per 1000 males)	1,007
Density (persons per sq. km)	278

Source: NCRP, Bangalore

TABLE 5.44(b) : Centrewise Distribution of Cancers
Number (#) and Relative Proportion (%)

Year Centre (with code in parentheses)	2001		2002		2001 - 2002	
	#	%	#	%	#	%
JIPMER, Pondicherry (104)	70	80.5	75	44.9	145	57.1
HBCR - Chennai (1009)	16	18.4	48	28.7	64	25.2
PBCR - Chennai (1004)	0	0.0	40	24.0	40	15.7
All Other Centres	1	1.1	4	2.4	5	2.0
Total Cancers	87	100.0	167	100.0	254	100.0

Source: NCRP, Bangalore

TABLE 5.44(c) : Salient features of Cancer Incidence (2002)

	Males	Females
Estimated Population	2,44,748	2,47,118
Total Cancers (All sites)	73	94
Min. Crude IR	29.8	38.0
Min. Age Adjusted IR	32.4	40.9
Min. Truncated IR	66.9	106.8

Source: NCRP, Bangalore

Min. = Minimum IR = Incidence Rate / 100,000