

# Manipur State

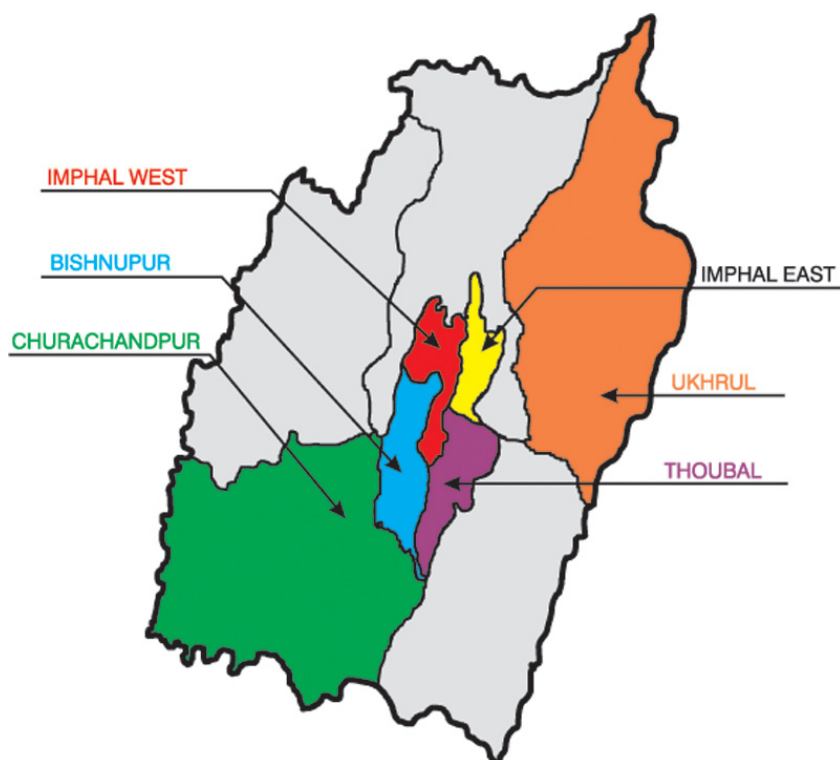
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### MANIPUR STATE

Figure 5(C) gives the Map of India highlighting Manipur State and Figure 5(D) gives the Map of Manipur State highlighting the Districts where the MAAR was above 36.2 /100,000. These were: Churachandpur, Thoubal, Bishnupur and Ukhrul.



**FIGURE 5(C): Map of India highlighting Manipur State**



**FIGURE 5(D) : Map of Manipur State highlighting the districts with MAAR above 36.2 per 100,000**

### Imphal West District

Cancer of the lung followed by stomach and nasopharynx were the leading sites of cancer in males. Cancer of the lung accounted for almost one-fourth (23.6%) of all cancers in males. In females also lung was second only to breast as the leading site constituting 13.4% of all cancers in females. [Fig. 5.8(c)].

### Imphal East District

The picture in Imphal East district was similar to that in Imphal West. In males cancer of the lung and stomach were the first and second leading sites of cancer. In females cancer of the lung was not as frequent as in Imphal West. Cancer of the thyroid was the third leading site of cancer preceded only by cancer of the breast and cervix. [Fig. 5.9(c)].

### Other Districts - Manipur State

The other four districts in Manipur that have been tabulated for incidence rates of cancer are Churachandpur, Thoubal, Bishnupur and Ukhul.

#### *Males*

Cancer of the lung was the most common among the leading sites of cancer in men. Cancer of the stomach and non-Hodgkin's lymphoma were the other leading sites. In Churachandpur cancer of the stomach constituted 26.8% of all cancers in men. In Ukhul cancer of the nasopharynx was the leading site comprising 21.6% of all cancers in males. This site of cancer was also among the ten leading sites in the other three districts. Cancer of the liver was also seen among the top ten cancers. Cancer of the penis was the fifth leading site in Bishnupur.

#### *Females*

Cancer of the breast was the leading site of cancer in Thoubal and Ukhul and cancer of the cervix was the most frequent site in Bishnupur. As in males, cancer of the stomach and lung were among first five leading sites in these four districts, just like it was seen in the east and west districts of Imphal. Important among the other leading sites were cancer of the thyroid and gall bladder.

## 5.8. IMPHAL WEST DISTRICT, Manipur State

(Code 1406)

**TABLE 5.8(a) : Profile of Imphal West District  
(2001 Census)**

Area (in sq. kms.)	519.0
Decadal Growth Rate (1991-2001)	15.42%
Literacy Rate	
Males	89.10%
Females	72.24%
Sex Ratio (females per 1000 males)	1,007
Density (persons per sq. km)	847

Source: NCRP, Bangalore



FIGURE 5.8(a) : Map of India highlighting Manipur State



FIGURE 5.8(b) : Map of Manipur State highlighting Imphal West District

**TABLE 5.8(b) : Centrewise Distribution of Cancers**

Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
Centre (with code in parentheses)						
RIMS, Imphal (48)	256	99.2	205	94.0	461	96.8
Dr. B B Cancer Institute, Guwahati (49)	0	0.0	8	3.7	8	1.7
HBCR - Mumbai (1008)	1	0.4	5	2.3	6	1.3
All Other Centres	1	0.4	0	0.0	1	0.2
<b>Total Cancers</b>	<b>258</b>	<b>100.0</b>	<b>218</b>	<b>100.0</b>	<b>476</b>	<b>100.0</b>

Source: NCRP, Bangalore

**TABLE 5.8(c) : Salient features of Cancer Incidence**

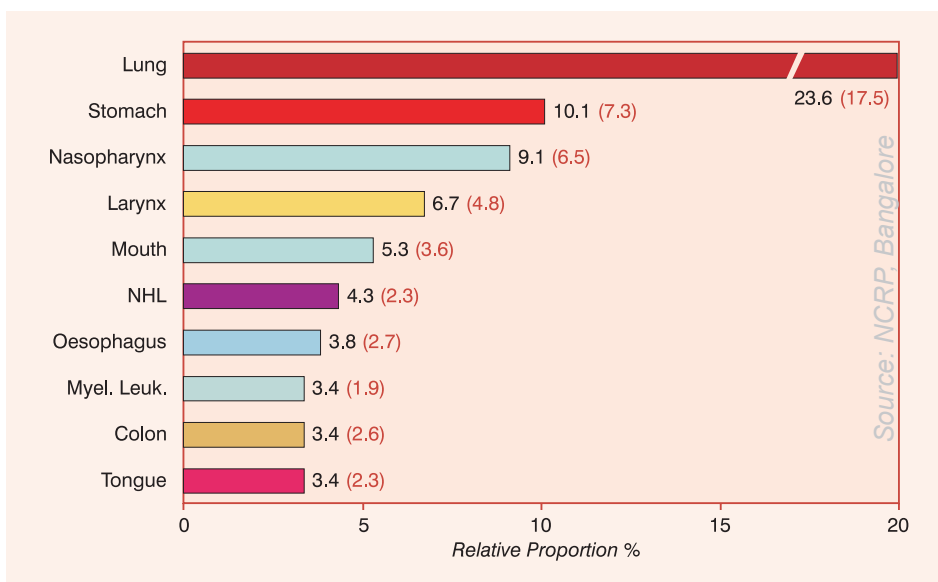
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	2,19,267	2,19,640	2,20,450	2,21,759	4,39,717	4,41,399
Total Cancers (All sites)	125	133	83	135	208	268
Min. Crude IR	57.0	60.6	37.7	60.9	47.3	60.7
Min. Age Adjusted IR	85.8	93.3	54.4	89.6	70.1	91.4
Min. Truncated IR	128.4	187.5	90.8	160.6	109.6	174.0

Source: NCRP, Bangalore

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

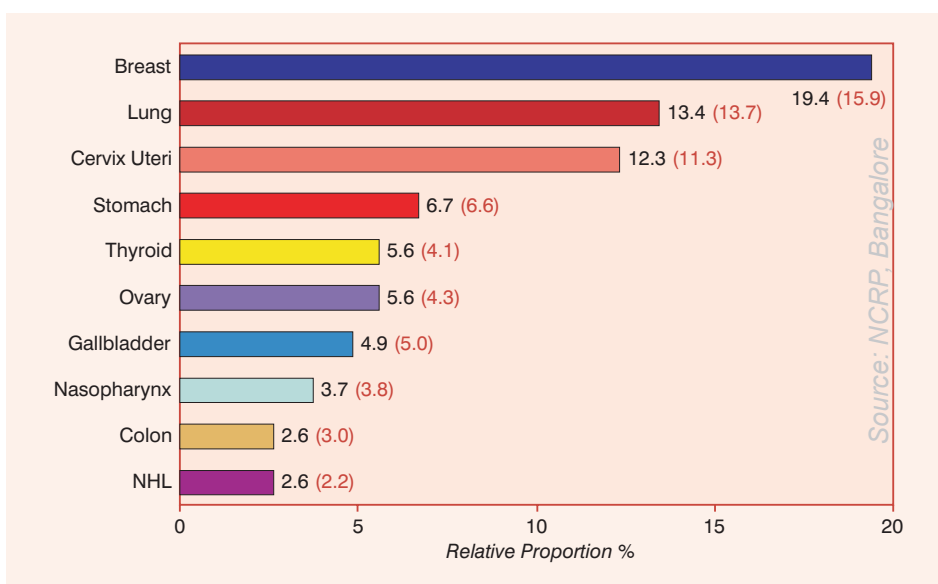
**FIGURE 5.8(c) : Ten Leading Sites of Cancer (2001 - 2002)**  
 (Minimum Age Adjusted Incidence Rates given in parentheses)

**Males**



Source: NCRP, Bangalore

**Females**



Source: NCRP, Bangalore

## 5.9. IMPHAL EAST DISTRICT, Manipur State

(Code 1407)

**TABLE 5.9(a) : Profile of Imphal East District  
(2001 Census)**

Area (in sq. kms.)	709.0
Decadal Growth Rate (1991-2001)	19.16%
Literacy Rate	
Males	86.44%
Females	66.30%
Sex Ratio (females per 1000 males)	992
Density (persons per sq. km)	555

Source: NCRP, Bangalore



FIGURE 5.9(a) : Map of India highlighting Manipur State



FIGURE 5.9(b) : Map of Manipur State highlighting Imphal East District

**TABLE 5.9(b) : Centrewise Distribution of Cancers**

Number (#) and Relative Proportion (%)

Year	2001		2002		2001 - 2002	
	#	%	#	%	#	%
Centre (with code in parentheses)						
RIMS, Imphal (48)	172	78.5	91	61.9	263	71.9
HBCR - Mumbai (1008)	45	20.5	35	23.8	80	21.9
Dr. B B Cancer Institute, Guwahati (49)	0	0.0	16	10.9	16	4.4
All Other Centres	2	0.9	5	3.4	7	1.9
<b>Total Cancers</b>	<b>219</b>	<b>100.0</b>	<b>147</b>	<b>100.0</b>	<b>366</b>	<b>100.0</b>

Source: NCRP, Bangalore

**TABLE 5.9(c) : Salient features of Cancer Incidence**

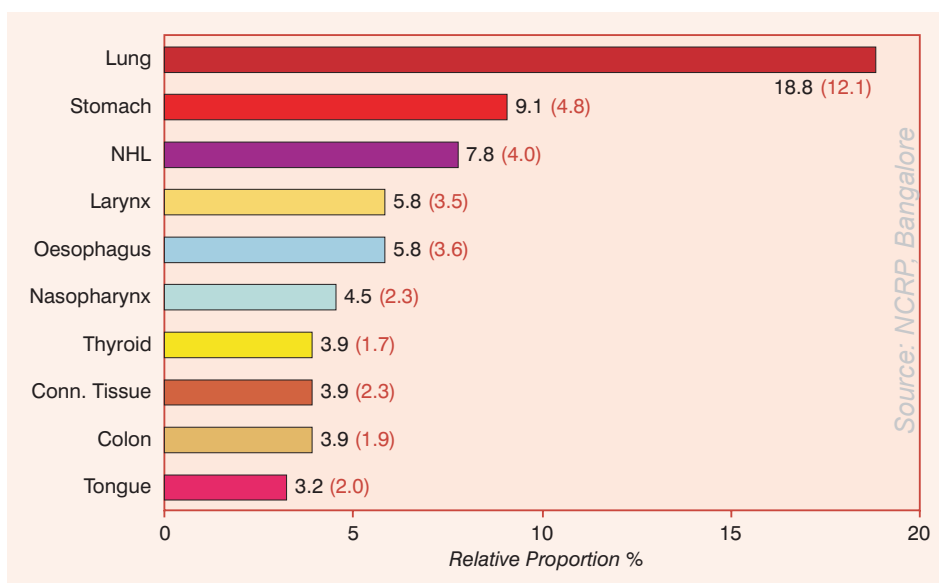
Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	1,94,445	1,94,775	1,95,492	1,96,653	3,89,937	3,91,428
Total Cancers (All sites)	90	129	64	83	154	212
Min. Crude IR	46.3	66.2	32.7	42.2	39.5	54.2
Min. Age Adjusted IR	63.4	95.1	49.3	59.5	56.3	77.2
Min. Truncated IR	97.2	190.7	96.5	119.2	96.9	154.8

Source: NCRP, Bangalore

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

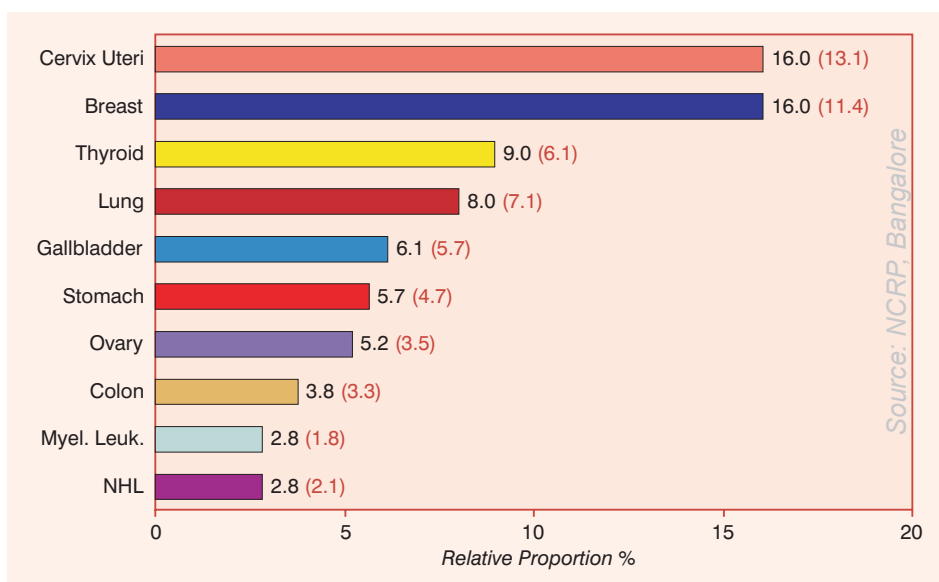
**FIGURE 5.9(c) : Ten Leading Sites of Cancer (2001 - 2002)**  
 (Minimum Age Adjusted Incidence Rates given in parentheses)

**Males**



Source: NCRP, Bangalore

**Females**



Source: NCRP, Bangalore

## 5.10. CHURCHANDPUR DISTRICT, Manipur State

(Code 1403)

**TABLE 5.10(a) : Profile of Churchandpur District  
(2001 Census)**

Area (in sq. kms.)	4,570.0
Decadal Growth Rate (1991-2001)	29.81%
Literacy Rate	
Males	84.98%
Females	64.40%
Sex Ratio (females per 1000 males)	993
Density (persons per sq. km)	50

Source: NCRP, Bangalore

**TABLE 5.10(b) : Centrewise Distribution of Cancers**  
Number (#) and Relative Proportion (%)

Year Centre (with code in parentheses)	2001		2002		2001 - 2002	
	#	%	#	%	#	%
RIMS, Imphal (48)	107	97.3	56	94.9	163	96.4
HBCR - Mumbai (1008)	3	2.7	2	3.4	5	3.0
Dr. BB Cancer Institute, Guwahati (49)	0	0.0	1	1.7	1	0.6
<b>Total Cancers</b>	<b>110</b>	<b>100.0</b>	<b>59</b>	<b>100.0</b>	<b>169</b>	<b>100.0</b>

Source: NCRP, Bangalore

**TABLE 5.10(c) : Salient features of Cancer Incidence**

Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	1,14,490	1,13,937	1,16,812	1,16,805	2,31,302	2,30,742
Total Cancers (All sites)	63	47	34	25	97	72
Min. Crude IR	55.0	41.3	29.1	21.4	41.9	31.2
Min. Age Adjusted IR	80.5	69.8	45.2	33.3	62.7	51.3
Min. Truncated IR	158.2	111.6	79.6	61.8	118.5	86.4

Source: NCRP, Bangalore

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



## 5.11. THOUBAL DISTRICT, Manipur State

(Code 1405)

**TABLE 5.11(a) : Profile of Thoubal District (2001 Census)**

Area (in sq. kms.)	514.0
Decadal Growth Rate (1991-2001)	24.62%
Literacy Rate	
Males	80.50%
Females	55.34%
Sex Ratio (females per 1000 males)	998
Density (persons per sq. km)	713

Source: NCRP, Bangalore

**TABLE 5.11(b) : Centrewise Distribution of Cancers**  
Number (#) and Relative Proportion (%)

Year Centre (with code in parentheses)	2001		2002		2001 - 2002	
	#	%	#	%	#	%
RIMS, Imphal (48)	152	98.1	133	88.7	285	93.4
Dr. BB Cancer Institute, Guwahati (49)	0	0.0	12	8.0	12	3.9
HBCR - Mumbai (1008)	3	1.9	5	3.3	8	2.6
<b>Total Cancers</b>	<b>155</b>	<b>100.0</b>	<b>150</b>	<b>100.0</b>	<b>305</b>	<b>100.0</b>

Source: NCRP, Bangalore

**TABLE 5.11(c) : Salient features of Cancer Incidence**

Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	1,81,459	1,81,531	1,84,892	1,85,226	3,66,351	3,66,757
Total Cancers (All sites)	76	79	67	83	143	162
Min. Crude IR	41.9	43.5	36.2	44.8	39.0	44.2
Min. Age Adjusted IR	65.0	67.6	56.6	70.7	60.8	69.2
Min. Truncated IR	122.3	136.1	89.5	136.7	105.6	136.5

Source: NCRP, Bangalore

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

## 5.12. BISHNUPUR DISTRICT, Manipur State

(Code 1404)

**TABLE 5.12(a) : Profile of Bishnupur District  
(2001 Census)**

Area (in sq. kms.)	496.0
Decadal Growth Rate (1991-2001)	13.90%
Literacy Rate	
Males	82.25%
Females	61.09%
Sex Ratio (females per 1000 males)	1,004
Density (persons per sq. km)	415

Source: NCRP, Bangalore

**TABLE 5.12(b) : Centrewise Distribution of Cancers**  
Number (#) and Relative Proportion (%)

Year Centre (with code in parentheses)	2001		2002		2001 - 2002	
	#	%	#	%	#	%
RIMS, Imphal (48)	88	100.0	74	88.1	162	94.2
HBCR - Mumbai (1008)	0	0.0	7	8.3	7	4.1
Dr. BB Cancer Institute, Guwahati (49)	0	0.0	3	3.6	3	1.7
<b>Total Cancers</b>	<b>88</b>	<b>100.0</b>	<b>84</b>	<b>100.0</b>	<b>172</b>	<b>100.0</b>

Source: NCRP, Bangalore

**TABLE 5.12(c) : Salient features of Cancer Incidence**

Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	1,02,003	1,02,670	1,03,145	1,03,998	2,05,148	2,06,668
Total Cancers (All sites)	44	44	49	35	93	79
Min. Crude IR	43.1	42.9	47.5	33.7	45.3	38.2
Min. Age Adjusted IR	61.5	61.7	63.8	47.3	62.7	54.4
Min. Truncated IR	99.8	156.4	117.1	113.7	108.5	135.2

Source: NCRP, Bangalore

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

## 5.13. UKHRUL DISTRICT, Manipur State

(Code 1408)

**TABLE 5.13(a) : Profile of Ukhrul District (2001 Census)**

Area (in sq. kms.)	Source: NCRP, Bangalore	4,544.0
Decadal Growth Rate (1991-2001)		28.98%
Literacy Rate		
Males		75.40%
Females		61.91%
Sex Ratio (females per 1000 males)		920
Density (persons per sq. km)		31

**TABLE 5.13(b) : Centrewise Distribution of Cancers**  
Number (#) and Relative Proportion (%)

Year Centre (with code in parentheses)	2001		2002		2001 - 2002	
	#	%	#	%	#	%
RIMS, Imphal (48)	54	98.2	39	86.7	93	93.0
HBCR - Mumbai (1008)	1	1.8	4	8.9	5	5.0
Dr. BB Cancer Institute, Guwahati (49)	0	0.0	2	4.4	2	2.0
<b>Total Cancers</b>	<b>55</b>	<b>100.0</b>	<b>45</b>	<b>100.0</b>	<b>100</b>	<b>100.0</b>

**TABLE 5.13(c) : Salient features of Cancer Incidence**

Year	2001		2002		2001 - 2002	
	Males	Females	Males	Females	Males	Females
Estimated Population	72,987	67,385	74,500	68,989	1,47,487	1,36,374
Total Cancers (All sites)	28	27	23	22	51	49
Min. Crude IR	38.4	40.1	30.9	31.9	34.6	35.9
Min. Age Adjusted IR	51.4	58.1	43.1	45.5	47.2	51.7
Min. Truncated IR	103.3	141.5	78.6	94.9	90.8	117.9

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