

POPULATION BASED CANCER REGISTRY, BHOPAL

Gandhi Medical College, Bhopal

Dr Neelkamal Kapoor, Principal Investigator

Mr Atul Shrivastava, Co-principal Investigator

Bhopal is the capital of the state of Madhya Pradesh of India. It is also the administrative headquarters of Bhopal District and Bhopal Division. Historically, Bhopal was also the name of a princely state in central India. Bhopal is said to have been founded by the Parmara King Bhoj (1000-1055), who had his capital at Dhar. The city was known as Bhojpal named after King Bhoj and the dam ('pal') that he is said to have constructed to form the lakes surrounding Bhopal.

Under the network of National Cancer Registry Programme a Population Based Cancer Registry was established in September 1985 at the Gandhi Medical College Bhopal, with the objective of generating reliable data on magnitude and pattern of cancer morbidity and mortality among the residence of Bhopal urban agglomerate. The actual collection and compilation of data began from 1st January 1986.

Bhopal is situated at an altitude of 505 meters above the sea level at 23.07° North and 77.12° East with a total area of 284.90 Sq. km. The summers are hot and the winters cold with temperature varying from a minimum of 5°C in month of January to a maximum of 46°C in the month of May. It rains moderately during the rainy season. The average annual rainfall recorded in the city is 1200 mm. The municipality covers 286 square kilometres. The density of population as per 2001 census is 4755.46/Sq. Km. the decadal growth rate observed between 1991 and 2001 is 29.8% among males and (30.4%) in female. The Old City of Bhopal is a predominantly Muslim area, but New Bhopal is a demographically cosmopolitan area. The chief languages are Hindi, Urdu, Sindhi, there are a substantial number of Marathi speakers as well.

Registration of cancer cases is done by active method of registration. Information on cancer patients is obtained from various government hospitals, private hospitals, nursing homes and diagnostic centers. Social Investigators visits these centers as and when required and collect data by interviewing the cases whenever possible otherwise the information is collected from medical records. In the last two decade of its functioning the registry has observed a very high incidence of tobacco related cancers among males with cancer of Lung, Tongue, Mouth, Hypopharynx & Oesophagus as the leading sites. Among females cancer of the breast, genital system and Oesophagus are the leading sites of cancer. These malignancies account to more than 55% of the total cancer burden among females. Cancer of the breast has shown a rising trend.

Cancer mortality statistics did not seem to reflect the true picture. Keeping this in mind, efforts have

been made to improve this aspect of data. Burial ground and crematoriums records of Bhopal were examined and all deaths irrespective of the causes of death mentioned are noted and then matched with the morbidity data. The matched deaths are then updated. The unmatched cancer deaths are traced back by house visits and scrutiny of medical records. Cancers with no other details, other than those available on the death certificate, are registered as "Death Certificate Only". Significant improvement has already been observed.

Registry Staff (PBCR)

Mr. Atul Shrivastava	:	Research Officer & Co-Principal Investigator
Dr. Sunil Surange	:	Research Officer
Mrs. Alka Goley	:	Social Investigator
Mrs. Shushma Shrivastava	:	Social Investigator
Mrs. Shubra Trivedi	:	Social Investigator
Mrs. Ragini Nair	:	Typist
Mr. Jagannathan Nair	:	Messenger

Figure BHP-1
Population Pyramid showing Age Distribution: 2001-2003
Bhopal

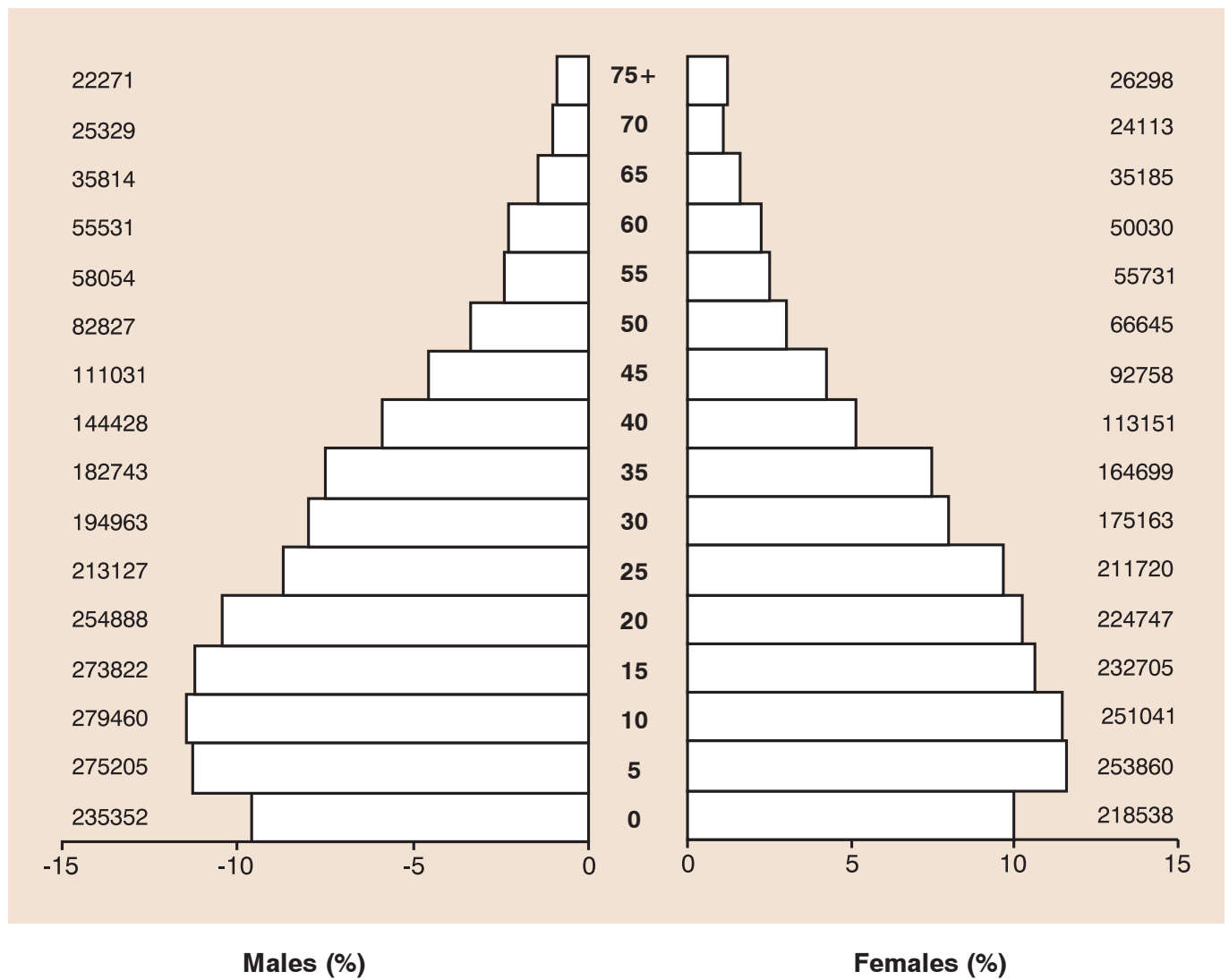


TABLE: BHP - 1**Population by Five Year Age Group and Gender: 2001-2003***Number and Relative Proportion (%)***Bhopal**

Age Group	MALES		FEMALES	
	Number	%	Number	%
0-4	235352	9.63	218538	9.95
5-9	275205	11.26	253860	11.56
10-14	279460	11.43	251041	11.43
15-19	273822	11.20	232705	10.59
20-24	254888	10.43	224747	10.23
25-29	213127	8.72	211720	9.64
30-34	194963	7.97	175163	7.98
35-39	182743	7.47	164699	7.50
40-44	144428	5.91	113151	5.15
45-49	111031	4.54	92758	4.22
50-54	82827	3.39	66645	3.03
55-59	58054	2.37	55731	2.54
60-64	55531	2.27	50030	2.28
65-69	35814	1.46	35185	1.60
70-74	25329	1.04	24113	1.10
75+	22271	0.91	26298	1.20
Total	2444845	100.00	2196384	100.00

TABLE : BHP- 2
Main Sources of Registration of Incident Cases of Cancer : 2001-2003
Bhopal

Name of the Institute	Number	%
J.L.N. Cancer Hospital	1305	43.44
Hamidia Hospital	1145	38.12
Kasturba Hospital	138	4.59
Sultania Zanana Hospital	117	3.89
Navoday Cancer Hospital	107	3.56
D.C.Os	103	3.43
Parulkar Clinic	49	1.63
Tata Memorial Hospital	37	1.23
Others	3	0.10
Total	3004	100.00

1. *Institutions listed have registered at least one percent of all cases in the registry for the combined years 2001-2003.*
2. *The numbers and proportion listed are the minimum number of cases. Institutions could have registered / reported more cases, since duplicate registrations and non-resident/registry cases are not included.*

**TABLE BHP-3 (a): Number of Incident Cancers by Five Year Age Group and Site (ICD-10):
2001-2003 – Males**

% = Relative Proportion of Cancers of All Sites.

Bhopal

ICD-10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Unkn	Total	%
C00	Lip	-	-	-	-	-	-	-	1	1	2	3	-	-	2	1	1	-	11	0.69
C01-02	Tongue	-	-	-	-	1	1	3	11	13	15	22	23	22	17	13	10	-	151	9.47
C03-06	Mouth	-	-	-	-	1	4	6	13	9	11	17	20	18	15	12	6	-	132	8.28
C07-8	Salivary Gland	-	-	1	-	1	-	-	-	1	-	1	-	-	1	-	1	-	6	0.38
C09	Tonsil	-	-	-	-	-	1	-	-	4	2	2	6	6	1	4	5	-	31	1.94
C10	Oth. Oropharynx	-	-	-	-	-	-	-	1	1	1	1	1	2	2	1	-	-	10	0.63
C11	Nasopharynx	-	-	-	-	-	1	2	-	-	2	-	-	-	1	2	1	-	9	0.56
C12-13	Hypopharynx	-	-	-	-	-	-	-	-	6	6	14	11	16	11	12	12	-	88	5.52
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	1	-	1	1	1	1	1	-	6	0.38
C15	Oesophagus	-	-	-	-	1	1	-	1	4	7	19	23	14	13	14	10	-	107	6.71
C16	Stomach	-	-	-	-	-	2	-	3	2	2	2	7	2	4	1	1	-	26	1.63
C17	Small Intestine	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	2	0.13
C18	Colon	-	-	-	-	-	-	3	2	3	2	6	3	5	4	4	3	-	35	2.19
C19-20	Rectum	-	-	-	-	-	1	1	5	3	2	5	6	3	3	2	5	-	36	2.26
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	2	-	1	4	1	-	-	1	-	9	0.56
C22	Liver	-	-	-	-	-	2	1	2	4	1	4	1	7	7	3	4	-	36	2.26
C23-24	Gallbladder etc.	-	-	-	-	-	-	-	3	4	7	6	4	6	3	7	3	-	43	2.7
C25	Pancreas	-	-	-	-	-	-	-	-	3	-	1	3	-	2	2	2	-	13	0.82
C30-31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	2	3	1	3	1	2	1	1	-	14	0.88
C32	Larynx	-	-	-	-	-	-	-	1	4	8	5	15	14	13	6	8	-	74	4.64
C33-34	Lung etc.	-	-	-	-	-	2	3	5	9	11	24	25	33	23	24	18	-	177	11.1
C37-38	Other Thoracic Organs	-	-	-	-	-	-	-	-	2	-	1	-	1	-	-	1	-	5	0.31
C40-41	Bone	-	1	4	4	2	1	1	-	2	2	1	1	-	-	-	-	-	19	1.19
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	-	-	-	-	-	1	-	3	3	5	3	2	4	4	3	2	-	30	1.88
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	1	1	1	2	-	2	1	2	4	2	3	3	2	6	1	-	-	31	1.94
C50	Breast	-	-	-	-	-	-	-	1	1	-	-	1	2	2	-	1	-	8	0.5
C60	Penis	-	-	-	-	-	-	3	1	2	1	2	3	2	-	-	1	-	15	0.94
C61	Prostate	-	-	-	-	-	-	-	-	-	-	3	5	10	18	18	14	-	68	4.26
C62	Testis	1	-	-	2	2	3	5	3	1	-	1	-	-	-	1	1	-	20	1.25
C63	Other Male Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	3	2	-	-	-	-	-	-	-	-	4	5	3	4	1	1	-	23	1.44
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	1	-	-	-	2	2	3	6	5	11	5	9	3	-	47	2.95
C68	Uns.Urinary Organs	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.06
C69	Eye	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	0.13
C70-72	Brain, Nervous System	1	1	-	2	7	3	6	2	1	5	9	6	2	6	1	1	-	53	3.32
C73	Thyroid	-	-	1	-	1	-	-	1	-	1	-	1	-	-	1	-	-	6	0.38
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C77	Sec Lymph Nodes	-	-	-	-	-	-	-	1	1	1	2	2	1	2	2	2	-	14	0.88
C78	Sec Resp & Digestive	-	-	-	-	-	-	-	-	1	3	2	3	1	2	4	1	-	17	1.07
C79	Sec Others	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	-	4	0.25
C81	Hodgkins Disease	-	2	2	4	2	-	-	2	1	3	-	1	-	2	-	-	-	19	1.19
C82-85,C96	NHL	-	4	5	2	5	3	3	4	4	2	9	3	4	5	4	3	-	60	3.76
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	-	1	4	4	1	2	-	-	-	12	0.75
C91	Lymphoid Leuk.	3	5	1	2	-	-	1	-	1	1	-	-	4	2	2	-	-	22	1.38
C92-94	Myeloid Leukaemia	-	-	1	4	4	3	3	2	6	2	8	2	5	3	1	1	-	45	2.82
C95	Leukaemia Uns	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.13
O&U	Other and Uns	-	-	3	1	2	1	1	1	2	8	7	12	4	4	3	7	-	56	3.51
	All Sites	10	18	20	24	29	32	43	73	109	123	202	216	209	192	162	133	-	1595	100.00

**TABLE BHP-3 (b): Number of Incident Cancers by Five Year Age Group and Site (ICD-10):
2001-2003 – Females**

% = Relative Proportion of Cancers of All Sites.

Bhopal

ICD-10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Unkn	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	2	3	3	4	9	2	7	1	6	3	-	40	2.84
C03-06	Mouth	-	-	-	-	-	2	1	3	6	3	8	9	20	9	7	3	-	71	5.04
C07-8	Salivary Gland	-	-	1	-	-	-	-	-	-	-	1	-	1	-	-	-	-	3	0.21
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.07
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.07
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.07
C12-13	Hypopharynx	-	-	-	-	-	-	-	-	1	2	-	-	2	1	2	-	-	8	0.57
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	1	-	-	2	6	10	5	7	4	7	6	3	-	51	3.62
C16	Stomach	-	-	-	-	-	-	1	-	1	4	5	2	2	1	1	1	-	18	1.28
C17	Small Intestine	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	2	0.14
C18	Colon	-	-	-	-	1	1	-	2	1	2	-	2	1	1	1	1	-	13	0.92
C19-20	Rectum	-	-	-	1	-	3	1	1	-	5	4	5	1	3	1	5	-	30	2.13
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-	3	0.21
C22	Liver	1	-	-	-	-	1	1	-	2	2	5	1	3	5	1	2	1	25	1.77
C23-24	Gallbladder etc.	-	-	-	-	-	-	2	6	8	3	8	12	11	6	5	3	-	64	4.54
C25	Pancreas	-	-	-	-	-	-	-	-	-	2	3	3	1	2	2	-	-	13	0.92
C30-31	Nose, Sinuses etc.	-	-	-	-	-	-	-	1	3	1	1	-	-	-	-	-	-	6	0.43
C32	Larynx	-	-	-	-	-	-	1	-	1	-	1	-	1	-	-	1	-	5	0.35
C33-34	Lung etc.	-	-	-	-	-	-	-	1	2	2	1	6	6	1	4	2	-	25	1.77
C37-38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	Bone	-	2	2	3	-	1	1	-	-	-	1	-	3	-	-	1	-	14	0.99
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	-	-	-	1	-	1	-	1	1	-	5	1	3	3	1	3	-	20	1.42
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	2	-	1	3	1	-	1	3	-	-	1	2	5	-	-	-	-	19	1.35
C50	Breast	-	-	-	-	2	14	23	41	42	56	46	43	37	26	13	8	-	351	24.91
C51	Vulva	-	-	-	-	-	-	-	1	1	-	-	1	-	2	1	1	-	7	0.5
C52	Vagina	-	-	-	-	-	-	-	-	2	-	3	1	-	-	1	-	-	7	0.5
C53	Cervix Uteri	-	-	-	-	1	6	10	16	40	41	41	30	39	21	16	17	-	278	19.73
C54	Corpus Uteri	-	-	-	-	-	-	-	1	1	1	3	5	3	1	3	1	-	19	1.35
C55	Uterus Unspecified	-	-	-	-	1	-	-	-	-	-	1	-	-	1	-	-	-	3	0.21
C56	Ovary etc.	1	-	3	2	4	5	9	6	7	8	12	8	14	7	2	4	-	92	6.53
C57	Other Female Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	2	0.14
C64	Kidney etc.	2	-	-	-	1	-	1	1	-	1	1	-	-	-	1	1	-	9	0.64
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	2	1	2	1	-	1	-	7	0.5
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	1	-	-	1	-	-	-	-	1	1	-	-	-	-	-	-	4	0.28
C70-72	Brain, Nervous System	1	4	2	1	2	1	2	3	-	-	3	1	1	1	1	-	-	23	1.63
C73	Thyroid	-	-	-	2	1	1	2	2	1	2	1	1	1	2	1	-	-	17	1.21
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C77	Sec Lymph Nodes	1	-	-	-	-	-	-	-	2	-	-	-	1	-	-	2	-	6	0.43
C78	Sec Resp & Digestive	-	-	-	-	-	-	-	-	1	1	1	2	-	-	2	2	-	9	0.64
C79	Sec Others	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	3	0.21
C81	Hodgkins Disease	-	-	-	-	1	2	-	-	-	1	-	-	-	-	-	-	-	4	0.28
C82-85,C96	NHL	-	1	-	1	-	1	2	3	1	3	4	3	4	1	1	1	-	26	1.85
C90	Multiple Myeloma	-	-	-	-	-	-	1	1	1	4	2	-	2	1	-	2	-	14	0.99
C91	Lymphoid Leuk.	4	5	1	-	-	-	-	-	-	-	2	1	-	1	-	-	-	14	0.99
C92-94	Myeloid Leukaemia	-	1	2	1	2	3	2	6	3	-	2	3	-	1	2	-	-	28	1.99
C95	Leukaemia Uns	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	0.14
O&U	Other and Uns	-	-	-	2	1	-	1	1	5	4	5	12	5	4	6	5	-	51	3.62
	All Sites	14	14	12	17	21	44	64	105	142	164	190	166	181	113	87	74	1	1409	100.00

TABLE: BHP-4(a):
Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) (with Standard Error(SE)) and
Truncated (35-64 yrs) (TR) Incidence Rate per 100,000 population: 2001-2003 - Males
Bhopal

ICD-10	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	>75	CR	AAR	SE	TR
C00	-	-	-	-	-	-	-	0.5	0.7	1.8	3.6	-	-	5.6	3.9	4.5	0.4	0.7	0.22	1.2
C01-02	-	-	-	-	0.4	0.5	1.5	6.0	9.0	13.5	26.6	39.6	39.6	47.5	51.3	44.9	6.2	9.7	0.82	20.0
C03-06	-	-	-	-	0.4	1.9	3.1	7.1	6.2	9.9	20.5	34.5	32.4	41.9	47.4	26.9	5.4	8.2	0.74	16.4
C07-8	-	-	0.4	-	0.4	-	-	-	0.7	-	1.2	-	-	2.8	-	4.5	0.2	0.3	0.15	0.3
C09	-	-	-	-	-	0.5	-	-	2.8	1.8	2.4	10.3	10.8	2.8	15.8	22.5	1.3	2.1	0.39	4.0
C10	-	-	-	-	-	-	-	0.5	0.7	0.9	1.2	1.7	3.6	5.6	3.9	-	0.4	0.6	0.21	1.3
C11	-	-	-	-	-	0.5	1.0	-	-	1.8	-	-	-	2.8	7.9	4.5	0.4	0.5	0.19	0.3
C12-13	-	-	-	-	-	-	-	-	4.2	5.4	16.9	18.9	28.8	30.7	47.4	53.9	3.6	6.3	0.68	10.7
C14	-	-	-	-	-	-	-	-	-	0.9	-	1.7	1.8	2.8	3.9	4.5	0.2	0.4	0.18	0.6
C15	-	-	-	-	0.4	0.5	-	0.5	2.8	6.3	22.9	39.6	25.2	36.3	55.3	44.9	4.4	7.5	0.74	13.9
C16	-	-	-	-	-	0.9	-	1.6	1.4	1.8	2.4	12.1	3.6	11.2	3.9	4.5	1.1	1.6	0.33	3.3
C17	0.4	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	0.1	0.1	0.09	0.2
C18	-	-	-	-	-	-	1.5	1.1	2.1	1.8	7.2	5.2	9.0	11.2	15.8	13.5	1.4	2.2	0.39	4.0
C19-20	-	-	-	-	-	0.5	0.5	2.7	2.1	1.8	6.0	10.3	5.4	8.4	7.9	22.5	1.5	2.3	0.39	4.3
C21	-	-	-	-	-	-	-	-	1.4	-	1.2	6.9	1.8	-	-	4.5	0.4	0.6	0.20	1.6
C22	-	-	-	-	-	0.9	0.5	1.1	2.8	0.9	4.8	1.7	12.6	19.5	11.8	18.0	1.5	2.4	0.41	3.5
C23-24	-	-	-	-	-	-	-	1.6	2.8	6.3	7.2	6.9	10.8	8.4	27.6	13.5	1.8	2.8	0.44	5.5
C25	-	-	-	-	-	-	-	-	2.1	-	1.2	5.2	-	5.6	7.9	9.0	0.5	0.9	0.26	1.3
C30-31	-	-	-	-	-	-	-	-	1.4	2.7	1.2	5.2	1.8	5.6	3.9	4.5	0.6	0.9	0.25	1.9
C32	-	-	-	-	-	-	-	0.5	2.8	7.2	6.0	25.8	25.2	36.3	23.7	35.9	3.0	5.3	0.62	9.6
C33-34	-	-	-	-	-	0.9	1.5	2.7	6.2	9.9	29.0	43.1	59.4	64.2	94.8	80.8	7.2	12.3	0.94	21.6
C37-38	-	-	-	-	-	-	-	-	1.4	-	1.2	-	1.8	-	-	4.5	0.2	0.3	0.14	0.7
C40-41	-	0.4	1.4	1.5	0.8	0.5	0.5	-	1.4	1.8	1.2	1.7	-	-	-	-	0.8	0.7	0.18	1.0
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	0.5	-	1.6	2.1	4.5	3.6	3.4	7.2	11.2	11.8	9.0	1.2	1.9	0.36	3.5
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	0.4	0.4	0.4	0.7	-	0.9	0.5	1.1	2.8	1.8	3.6	5.2	3.6	16.8	3.9	-	1.3	1.7	0.33	2.8
C50	-	-	-	-	-	-	-	0.5	0.7	-	-	1.7	3.6	5.6	-	4.5	0.3	0.5	0.20	0.9
C60	-	-	-	-	-	-	1.5	0.5	1.4	0.9	2.4	5.2	3.6	-	-	4.5	0.6	0.8	0.22	2.1
C61	-	-	-	-	-	-	-	-	-	-	3.6	8.6	18.0	50.3	71.1	62.9	2.8	5.4	0.66	4.0
C62	0.4	-	-	0.7	0.8	1.4	2.6	1.6	0.7	-	1.2	-	-	-	3.9	4.5	0.8	0.8	0.20	0.6
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	1.3	0.7	-	-	-	-	-	-	-	-	4.8	8.6	5.4	11.2	3.9	4.5	0.9	1.5	0.33	2.6
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	0.4	-	-	-	1.1	1.4	2.7	7.2	8.6	19.8	14.0	35.5	13.5	1.9	3.2	0.48	5.8
C68	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	0.0	0.1	0.06	0.2
C69	-	0.4	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	0.1	0.1	0.07	0.2
C70-72	0.4	0.4	-	0.7	2.7	1.4	3.1	1.1	0.7	4.5	10.9	10.3	3.6	16.8	3.9	4.5	2.2	2.8	0.41	4.8
C73	-	-	0.4	-	0.4	-	-	0.5	-	0.9	-	1.7	-	-	3.9	-	0.2	0.3	0.13	0.5
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C77	-	-	-	-	-	-	-	0.5	0.7	0.9	2.4	3.4	1.8	5.6	7.9	9.0	0.6	1.0	0.27	1.5
C78	-	-	-	-	-	-	-	-	0.7	2.7	2.4	5.2	1.8	5.6	15.8	4.5	0.7	1.2	0.29	1.9
C79	-	-	-	-	-	-	-	-	-	-	1.2	1.7	-	-	3.9	4.5	0.2	0.3	0.15	0.4
C81	-	0.7	0.7	1.5	0.8	-	-	1.1	0.7	2.7	-	1.7	-	5.6	-	-	0.8	0.8	0.21	1.1
C82-85, C96	-	1.5	1.8	0.7	2.0	1.4	1.5	2.2	2.8	1.8	10.9	5.2	7.2	14.0	15.8	13.5	2.5	3.2	0.44	4.7
C90	-	-	-	-	-	-	-	-	-	0.9	4.8	6.9	1.8	5.6	-	-	0.5	0.8	0.24	2.1
C91	1.3	1.8	0.4	0.7	-	-	0.5	-	0.7	0.9	-	-	7.2	5.6	7.9	-	0.9	1.2	0.27	1.2
C92-94	-	-	0.4	1.5	1.6	1.4	1.5	1.1	4.2	1.8	9.7	3.4	9.0	8.4	3.9	4.5	1.8	2.3	0.37	4.5
C95	-	0.4	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.05	-
O&U	-	-	1.1	0.4	0.8	0.5	0.5	0.5	1.4	7.2	8.5	20.7	7.2	11.2	11.8	31.4	2.3	3.5	0.49	6.7
All	4.2	6.5	7.2	8.8	11.4	15.0	22.1	39.9	75.5	110.8	243.9	372.1	376.4	536.1	639.6	597.2	65.2	102.6	2.66	179.7

TABLE: BHP-4(b):
Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) (with Standard Error(SE)) and
Truncated (35-64 yrs) (TR) Incidence Rate per 100,000 population: 2001-2003 - Females
Bhopal

ICD-10	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	>75	CR	AAR	SE	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	-	-	-	-	-	-	1.1	1.8	2.7	4.3	13.5	3.6	14.0	2.8	24.9	11.4	1.8	2.8	0.45	6.1
C03-06	-	-	-	-	-	0.9	0.6	1.8	5.3	3.2	12.0	16.1	40.0	25.6	29.0	11.4	3.2	5.2	0.62	11.2
C07-8	-	-	0.4	-	-	-	-	-	-	-	1.5	-	2.0	-	-	-	0.1	0.2	0.12	0.5
C09	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	0.0	0.1	0.07	0.2
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	0.0	0.1	0.09	-
C11	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	0.0	0.1	0.08	0.2
C12-13	-	-	-	-	-	-	-	-	0.9	2.2	-	-	4.0	2.8	8.3	-	0.4	0.6	0.21	1.1
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	0.4	-	-	1.2	5.3	10.8	7.5	12.6	8.0	19.9	24.9	11.4	2.3	3.6	0.51	7.2
C16	-	-	-	-	-	-	0.6	-	0.9	4.3	7.5	3.6	4.0	2.8	4.1	3.8	0.8	1.3	0.30	3.2
C17	-	-	-	-	-	0.5	-	-	-	-	1.5	-	-	-	-	-	0.1	0.1	0.08	0.2
C18	-	-	-	-	0.4	0.5	-	1.2	0.9	2.2	-	3.6	2.0	2.8	4.1	3.8	0.6	0.8	0.23	1.5
C19-20	-	-	-	0.4	-	1.4	0.6	0.6	-	5.4	6.0	9.0	2.0	8.5	4.1	19.0	1.4	2.0	0.38	3.5
C21	-	-	-	-	-	-	-	-	-	1.1	-	1.8	-	2.8	-	-	0.1	0.2	0.13	0.4
C22	0.5	-	-	-	-	0.5	0.6	-	1.8	2.2	7.5	1.8	6.0	14.2	4.1	7.6	1.1	1.7	0.36	3.0
C23-24	-	-	-	-	-	-	1.1	3.6	7.1	3.2	12.0	21.5	22.0	17.1	20.7	11.4	2.9	4.4	0.56	10.3
C25	-	-	-	-	-	-	-	-	-	2.2	4.5	5.4	2.0	5.7	8.3	-	0.6	1.0	0.27	2.1
C30-31	-	-	-	-	-	-	-	0.6	2.7	1.1	1.5	-	-	-	-	-	0.3	0.3	0.14	1.1
C32	-	-	-	-	-	-	0.6	-	0.9	-	1.5	-	2.0	-	-	3.8	0.2	0.3	0.15	0.7
C33-34	-	-	-	-	-	-	-	0.6	1.8	2.2	1.5	10.8	12.0	2.8	16.6	7.6	1.1	1.8	0.37	4.1
C37-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	-	0.8	0.8	1.3	-	0.5	0.6	-	-	-	1.5	-	6.0	-	-	3.8	0.6	0.7	0.21	1.0
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	0.4	-	0.5	-	0.6	0.9	-	7.5	1.8	6.0	8.5	4.1	11.4	0.9	1.4	0.32	2.5
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	0.9	-	0.4	1.3	0.4	-	0.6	1.8	-	-	1.5	3.6	10.0	-	-	-	0.9	1.1	0.26	2.3
C50	-	-	-	-	0.9	6.6	13.1	24.9	37.1	60.4	69.0	77.2	74.0	73.9	53.9	30.4	16.0	22.1	1.22	54.3
C51	-	-	-	-	-	-	-	0.6	0.9	-	-	1.8	-	5.7	4.1	3.8	0.3	0.5	0.19	0.5
C52	-	-	-	-	-	-	-	-	1.8	-	4.5	1.8	-	-	4.1	-	0.3	0.5	0.19	1.3
C53	-	-	-	-	0.4	2.8	5.7	9.7	35.4	44.2	61.5	53.8	78.0	59.7	66.4	64.6	12.7	18.7	1.15	44.2
C54	-	-	-	-	-	-	-	0.6	0.9	1.1	4.5	9.0	6.0	2.8	12.4	3.8	0.9	1.4	0.32	3.2
C55	-	-	-	-	0.4	-	-	-	-	-	1.5	-	-	2.8	-	-	0.1	0.2	0.12	0.2
C56	0.5	-	1.2	0.9	1.8	2.4	5.1	3.6	6.2	8.6	18.0	14.4	28.0	19.9	8.3	15.2	4.2	5.6	0.62	11.9
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	0.4	0.5	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.05	-
C64	0.9	-	-	-	0.4	-	0.6	0.6	-	1.1	1.5	-	-	-	4.1	3.8	0.4	0.5	0.18	0.6
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	3.0	1.8	4.0	2.8	-	3.8	0.3	0.5	0.21	1.2
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	0.4	-	-	0.4	-	-	-	-	1.1	1.5	-	-	-	-	-	0.2	0.2	0.11	0.5
C70-72	0.5	1.6	0.8	0.4	0.9	0.5	1.1	1.8	-	-	4.5	1.8	2.0	2.8	4.1	-	1.0	1.2	0.26	1.6
C73	-	-	-	0.9	0.4	0.5	1.1	1.2	0.9	2.2	1.5	1.8	2.0	5.7	4.1	-	0.8	1.0	0.25	1.6
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C77	0.5	-	-	-	-	-	-	-	1.8	-	-	-	2.0	-	-	7.6	0.3	0.4	0.16	0.6
C78	-	-	-	-	-	-	-	-	0.9	1.1	1.5	3.6	-	-	8.3	7.6	0.4	0.7	0.22	1.1
C79	-	-	-	-	-	-	-	-	-	-	-	-	2.0	2.8	-	3.8	0.1	0.2	0.14	0.3
C81	-	-	-	-	0.4	0.9	-	-	-	1.1	-	-	-	-	-	-	0.2	0.2	0.09	0.2
C82-85,C96	-	0.4	-	0.4	-	0.5	1.1	1.8	0.9	3.2	6.0	5.4	8.0	2.8	4.1	3.8	1.2	1.6	0.33	3.8
C90	-	-	-	-	-	-	0.6	0.6	0.9	4.3	3.0	-	4.0	2.8	-	7.6	0.6	0.9	0.25	2.1
C91	1.8	2.0	0.4	-	-	-	-	-	-	-	3.0	1.8	-	2.8	-	-	0.6	0.8	0.21	0.7
C92-94	-	0.4	0.8	0.4	0.9	1.4	1.1	3.6	2.7	-	3.0	5.4	-	2.8	8.3	-	1.3	1.4	0.28	2.4
C95	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1	0.1	0.08	-
O&U	-	-	-	0.9	0.4	-	0.6	0.6	4.4	4.3	7.5	21.5	10.0	11.4	24.9	19.0	2.3	3.6	0.51	7.1
All	6.4	5.5	4.8	7.3	9.3	20.8	36.5	63.8	125.5	176.8	285.1	297.9	361.8	321.2	360.8	281.4	64.2	92.1	2.53	201.9

TABLE: BHP-5(a): Number (#) and Proportion (%) of Cancers by Site (ICD-10) and Method of Diagnosis: 2001-2003 - Males
Bhopal

ICD-10	Site	Microscopic		X-Ray / imaging		Clinical		Others		D.C.O		Total	
		#	%	#	%	#	%	#	%	#	%	#	%
C00	Lip	11	100	-	-	-	-	-	-	-	-	11	100
C01-02	Tongue	149	98.7	-	-	2	1.3	-	-	-	-	151	100
C03-06	Mouth	129	97.7	-	-	3	2.3	-	-	-	-	132	100
C07-8	Salivary Gland	6	100	-	-	-	-	-	-	-	-	6	100
C09	Tonsil	31	100	-	-	-	-	-	-	-	-	31	100
C10	Oth. Oropharynx	10	100	-	-	-	-	-	-	-	-	10	100
C11	Nasopharynx	9	100	-	-	-	-	-	-	-	-	9	100
C12-13	Hypopharynx	84	95.5	-	-	4	4.5	-	-	-	-	88	100
C14	Pharynx Unspecified	6	100	-	-	-	-	-	-	-	-	6	100
C15	Oesophagus	93	86.9	7	6.5	2	1.9	5	4.7	-	-	107	100
C16	Stomach	25	96.2	-	-	-	-	1	3.8	-	-	26	100
C17	Small Intestine	2	100	-	-	-	-	-	-	-	-	2	100
C18	Colon	33	94.3	-	-	-	-	2	5.7	-	-	35	100
C19-20	Rectum	35	97.2	-	-	-	-	1	2.8	-	-	36	100
C21	Anus & Anal Canal	9	100	-	-	-	-	-	-	-	-	9	100
C22	Liver	31	86.1	4	11.1	-	-	1	2.8	-	-	36	100
C23-24	Gallbladder etc.	26	60.5	11	25.6	2	4.7	4	9.3	-	-	43	100
C25	Pancreas	10	76.9	1	7.7	1	7.7	1	7.7	-	-	13	100
C30-31	Nose, Sinuses etc.	13	92.9	-	-	1	7.1	-	-	-	-	14	100
C32	Larynx	69	93.2	-	-	5	6.8	-	-	-	-	74	100
C33-34	Lung etc.	125	70.6	42	23.7	1	0.6	7	4	2	1.1	177	100
C37-38	Other Thoracic Organs	3	60	1	20	-	-	1	20	-	-	5	100
C40-41	Bone	17	89.5	1	5.3	1	5.3	-	-	-	-	19	100
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	29	96.7	-	-	1	3.3	-	-	-	-	30	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	31	100	-	-	-	-	-	-	-	-	31	100
C50	Breast	8	100	-	-	-	-	-	-	-	-	8	100
C60	Penis	13	86.7	-	-	1	6.7	1	6.7	-	-	15	100
C61	Prostate	59	86.8	2	2.9	-	-	7	10.3	-	-	68	100
C62	Testis	20	100	-	-	-	-	-	-	-	-	20	100
C63	Other Male Genital	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	22	95.7	1	4.3	-	-	-	-	-	-	23	100
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	42	89.4	3	6.4	1	2.1	1	2.1	-	-	47	100
C68	Uns.Urinary Organs	1	100	-	-	-	-	-	-	-	-	1	100
C69	Eye	2	100	-	-	-	-	-	-	-	-	2	100
C70-72	Brain, Nervous System	45	84.9	8	15.1	-	-	-	-	-	-	53	100
C73	Thyroid	5	83.3	-	-	1	16.7	-	-	-	-	6	100
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-
C77	Sec Lymph Nodes	14	100	-	-	-	-	-	-	-	-	14	100
C78	Sec Resp & Digestive	11	64.7	5	29.4	1	5.9	-	-	-	-	17	100
C79	Sec Others	1	25	1	25	-	-	2	50	-	-	4	100
C81	Hodgkins Disease	19	100	-	-	-	-	-	-	-	-	19	100
C82-85,C96	NHL	60	100	-	-	-	-	-	-	-	-	60	100
C90	Multiple Myeloma	12	100	-	-	-	-	-	-	-	-	12	100
C91	Lymphoid Leuk.	22	100	-	-	-	-	-	-	-	-	22	100
C92-94	Myeloid Leukaemia	45	100	-	-	-	-	-	-	-	-	45	100
C95	Leukaemia Uns	2	100	-	-	-	-	-	-	-	-	2	100
O&U	Other and Uns	3	5.4	-	-	1	1.8	1	1.8	51	91.1	56	100
	All Sites	1,392	87.3	87	5.5	28	1.8	35	2.2	53	3.3	1,595	100

TABLE: BHP-5(b): Number (#) and Proportion (%) of Cancers by Site (ICD-10) and Method of Diagnosis : 2001-2003 - Females
Bhopal

ICD-10	Site	Microscopic		X-Ray / imaging		Clinical		Others		D.C.O		Total	
		#	%	#	%	#	%	#	%	#	%	#	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	38	95	-	-	2	5	-	-	-	-	40	100
C03-06	Mouth	70	98.6	-	-	1	1.4	-	-	-	-	71	100
C07-8	Salivary Gland	3	100	-	-	-	-	-	-	-	-	3	100
C09	Tonsil	1	100	-	-	-	-	-	-	-	-	1	100
C10	Oth. Oropharynx	1	100	-	-	-	-	-	-	-	-	1	100
C11	Nasopharynx	1	100	-	-	-	-	-	-	-	-	1	100
C12-13	Hypopharynx	8	100	-	-	-	-	-	-	-	-	8	100
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	46	90.2	2	3.9	1	2	2	3.9	-	-	51	100
C16	Stomach	15	83.3	-	-	-	-	2	11.1	1	5.6	18	100
C17	Small Intestine	2	100	-	-	-	-	-	-	-	-	2	100
C18	Colon	13	100	-	-	-	-	-	-	-	-	13	100
C19-20	Rectum	29	96.7	-	-	-	-	1	3.3	-	-	30	100
C21	Anus & Anal Canal	3	100	-	-	-	-	-	-	-	-	3	100
C22	Liver	18	72	5	20	1	4	1	4	-	-	25	100
C23-24	Gallbladder etc.	37	57.8	18	28.1	4	6.3	5	7.8	-	-	64	100
C25	Pancreas	8	61.5	4	30.8	-	-	1	7.7	-	-	13	100
C30-31	Nose, Sinuses etc.	5	83.3	-	-	1	16.7	-	-	-	-	6	100
C32	Larynx	4	80	1	20	-	-	-	-	-	-	5	100
C33-34	Lung etc.	19	76	6	24	-	-	-	-	-	-	25	100
C37-38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	Bone	13	92.9	-	-	1	7.1	-	-	-	-	14	100
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	20	100	-	-	-	-	-	-	-	-	20	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	18	94.7	-	-	1	5.3	-	-	-	-	19	100
C50	Breast	343	97.7	-	-	7	2	1	0.3	-	-	351	100
C51	Vulva	7	100	-	-	-	-	-	-	-	-	7	100
C52	Vagina	6	85.7	-	-	1	14.3	-	-	-	-	7	100
C53	Cervix Uteri	267	96	-	-	11	4	-	-	-	-	278	100
C54	Corpus Uteri	18	94.7	-	-	-	-	1	5.3	-	-	19	100
C55	Uterus Unspecified	2	66.7	-	-	-	-	1	33.3	-	-	3	100
C56	Ovary etc.	84	91.3	6	6.5	1	1.1	1	1.1	-	-	92	100
C57	Other Female Genital	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	2	100	-	-	-	-	-	-	-	-	2	100
C64	Kidney etc.	9	100	-	-	-	-	-	-	-	-	9	100
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	7	100	-	-	-	-	-	-	-	-	7	100
C68	Uns.Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	4	100	-	-	-	-	-	-	-	-	4	100
C70-72	Brain, Nervous System	19	82.6	3	13	-	-	1	4.3	-	-	23	100
C73	Thyroid	17	100	-	-	-	-	-	-	-	-	17	100
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-
C77	Sec Lymph Nodes	6	100	-	-	-	-	-	-	-	-	6	100
C78	Sec Resp & Digestive	7	77.8	1	11.1	-	-	1	11.1	-	-	9	100
C79	Sec Others	-	-	2	66.7	-	-	1	33.3	-	-	3	100
C81	Hodgkins Disease	4	100	-	-	-	-	-	-	-	-	4	100
C82-85,C96	NHL	25	96.2	-	-	-	-	-	-	1	3.8	26	100
C90	Multiple Myeloma	14	100	-	-	-	-	-	-	-	-	14	100
C91	Lymphoid Leuk.	14	100	-	-	-	-	-	-	-	-	14	100
C92-94	Myeloid Leukaemia	28	100	-	-	-	-	-	-	-	-	28	100
C95	Leukaemia Uns	2	100	-	-	-	-	-	-	-	-	2	100
O&U	Other and Uns	2	3.9	-	-	-	-	-	-	49	96.1	51	100
	All Sites	1,259	89.4	48	3.4	32	2.3	19	1.3	51	3.6	1,409	100

TABLE: BHP-6(a): Number (#) and Proportion (%) of Cancers by Site (ICD-10) and Detailed Microscopic Diagnosis, 2001-2003 - Males : Bhopal

ICD-10	Site	Pri. Hist		Sec. Hist		Cytology		Blood Film		Bone Marrow		Others		Total	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%
C00	Lip	10	90.9	-	-	1	9.1	-	-	-	-	-	-	11	100
C01-02	Tongue	135	89.4	4	2.6	10	6.6	-	-	-	-	2	1.3	151	100
C03-06	Mouth	117	88.6	2	1.5	10	7.6	-	-	-	-	3	2.3	132	100
C07-8	Salivary Gland	5	83.3	-	-	1	16.7	-	-	-	-	-	-	6	100
C09	Tonsil	30	96.8	-	-	1	3.2	-	-	-	-	-	-	31	100
C10	Oth. Oropharynx	9	90	1	10	-	-	-	-	-	-	-	-	10	100
C11	Nasopharynx	5	55.6	3	33.3	1	11.1	-	-	-	-	-	-	9	100
C12-13	Hypopharynx	75	85.2	3	3.4	5	5.7	1	1.1	-	-	4	4.5	88	100
C14	Pharynx Unspecified	4	66.7	2	33.3	-	-	-	-	-	-	-	-	6	100
C15	Oesophagus	88	82.2	1	0.9	4	3.7	-	-	-	-	14	13.1	107	100
C16	Stomach	24	92.3	-	-	1	3.8	-	-	-	-	1	3.8	26	100
C17	Small Intestine	2	100	-	-	-	-	-	-	-	-	-	-	2	100
C18	Colon	31	88.6	1	2.9	1	2.9	-	-	-	-	2	5.7	35	100
C19-20	Rectum	35	97.2	-	-	-	-	-	-	-	-	1	2.8	36	100
C21	Anus & Anal Canal	8	88.9	-	-	1	11.1	-	-	-	-	-	-	9	100
C22	Liver	28	77.8	-	-	3	8.3	-	-	-	-	5	13.9	36	100
C23-24	Gallbladder etc.	18	41.9	1	2.3	7	16.3	-	-	-	-	17	39.5	43	100
C25	Pancreas	7	53.8	1	7.7	2	15.4	-	-	-	-	3	23.1	13	100
C30-31	Nose, Sinuses etc.	9	64.3	-	-	4	28.6	-	-	-	-	1	7.1	14	100
C32	Larynx	56	75.7	5	6.8	8	10.8	-	-	-	-	5	6.8	74	100
C33-34	Lung etc.	67	37.9	8	4.5	50	28.2	-	-	-	-	52	29.4	177	100
C37-38	Other Thoracic Organs	2	40	-	-	1	20	-	-	-	-	2	40	5	100
C40-41	Bone	17	89.5	-	-	-	-	-	-	-	-	2	10.5	19	100
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	26	86.7	1	3.3	2	6.7	-	-	-	-	1	3.3	30	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47 + C49	Conn. & Soft Tissue	28	90.3	-	-	3	9.7	-	-	-	-	-	-	31	100
C50	Breast	5	62.5	-	-	3	37.5	-	-	-	-	-	-	8	100
C60	Penis	12	80	1	6.7	-	-	-	-	-	-	2	13.3	15	100
C61	Prostate	55	80.9	1	1.5	2	2.9	-	-	1	1.5	9	13.2	68	100
C62	Testis	18	90	1	5	1	5	-	-	-	-	-	-	20	100
C63	Other Male Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	22	95.7	-	-	-	-	-	-	-	-	1	4.3	23	100
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	41	87.2	-	-	1	2.1	-	-	-	-	5	10.6	47	100
C68	Uns. Urinary Organs	1	100	-	-	-	-	-	-	-	-	-	-	1	100
C69	Eye	1	50	-	-	-	-	-	-	1	50	-	-	2	100
C70-72	Brain, Nervous System	45	84.9	-	-	-	-	-	-	-	-	8	15.1	53	100
C73	Thyroid	4	66.7	-	-	1	16.7	-	-	-	-	1	16.7	6	100
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C77	Sec Lymph Nodes	-	-	12	85.7	2	14.3	-	-	-	-	-	-	14	100
C78	Sec Resp & Digestive	-	-	6	35.3	5	29.4	-	-	-	-	6	35.3	17	100
C79	Sec Others	-	-	1	25	-	-	-	-	-	-	3	75	4	100
C81	Hodgkins Disease	15	78.9	-	-	2	10.5	2	10.5	-	-	-	-	19	100
C82-85, C96	NHL	54	90	-	-	6	10	-	-	-	-	-	-	60	100
C90	Multiple Myeloma	3	25	-	-	-	-	5	41.7	4	33.3	-	-	12	100
C91	Lymphoid Leuk.	-	-	-	-	-	-	20	90.9	2	9.1	-	-	22	100
C92-94	Myeloid Leukaemia	2	4.4	-	-	-	-	33	73.3	10	22.2	-	-	45	100
C95	Leukaemia Uns	-	-	-	-	-	-	2	100	-	-	-	-	2	100
O&U	Other and Uns	1	1.8	1	1.8	1	1.8	-	-	-	-	53	94.6	56	100
	All Sites	1,115	69.9	56	3.5	140	8.8	63	3.9	18	1.1	203	12.7	1,595	100

TABLE: BHP-6(b): Number (#) and Proportion (%) of Cancers by Site (ICD-10) and Detailed Microscopic Diagnosis, 2001-2003 - Females : Bhopal

ICD-10	Site	Pri. Hist		Sec. Hist		Cytology		Blood Film		Bone Marrow		Others		Total	
		#	%	#	%	#	%	#	%	#	%	#	%	#	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	34	85	3	7.5	1	2.5	-	-	-	-	2	5	40	100
C03-06	Mouth	65	91.5	2	2.8	3	4.2	-	-	-	-	1	1.4	71	100
C07-8	Salivary Gland	3	100	-	-	-	-	-	-	-	-	-	-	3	100
C09	Tonsil	1	100	-	-	-	-	-	-	-	-	-	-	1	100
C10	Oth. Oropharynx	1	100	-	-	-	-	-	-	-	-	-	-	1	100
C11	Nasopharynx	1	100	-	-	-	-	-	-	-	-	-	-	1	100
C12-13	Hypopharynx	6	75	-	-	2	25	-	-	-	-	-	-	8	100
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	45	88.2	-	-	1	2	-	-	-	-	5	9.8	51	100
C16	Stomach	13	72.2	-	-	2	11.1	-	-	-	-	3	16.7	18	100
C17	Small Intestine	2	100	-	-	-	-	-	-	-	-	-	-	2	100
C18	Colon	13	100	-	-	-	-	-	-	-	-	-	-	13	100
C19-20	Rectum	28	93.3	-	-	1	3.3	-	-	-	-	1	3.3	30	100
C21	Anus & Anal Canal	3	100	-	-	-	-	-	-	-	-	-	-	3	100
C22	Liver	10	40	-	-	8	32	-	-	-	-	7	28	25	100
C23-24	Gallbladder etc.	23	35.9	4	6.3	10	15.6	-	-	-	-	27	42.2	64	100
C25	Pancreas	7	53.8	1	7.7	-	-	-	-	-	-	5	38.5	13	100
C30-31	Nose, Sinuses etc.	5	83.3	-	-	-	-	-	-	-	-	1	16.7	6	100
C32	Larynx	4	80	-	-	-	-	-	-	-	-	1	20	5	100
C33-34	Lung etc.	8	32	2	8	9	36	-	-	-	-	6	24	25	100
C37-38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	Bone	11	78.6	-	-	2	14.3	-	-	-	-	1	7.1	14	100
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	20	100	-	-	-	-	-	-	-	-	-	-	20	100
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47 + C49	Conn. & Soft Tissue	16	84.2	-	-	2	10.5	-	-	-	-	1	5.3	19	100
C50	Breast	299	85.2	2	0.6	42	12	-	-	-	-	8	2.3	351	100
C51	Vulva	7	100	-	-	-	-	-	-	-	-	-	-	7	100
C52	Vagina	6	85.7	-	-	-	-	-	-	-	-	1	14.3	7	100
C53	Cervix Uteri	262	94.2	-	-	5	1.8	-	-	-	-	11	4	278	100
C54	Corpus Uteri	18	94.7	-	-	-	-	-	-	-	-	1	5.3	19	100
C55	Uterus Unspecified	2	66.7	-	-	-	-	-	-	-	-	1	33.3	3	100
C56	Ovary etc.	71	77.2	4	4.3	9	9.8	-	-	-	-	8	8.7	92	100
C57	Other Female Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	Placenta	2	100	-	-	-	-	-	-	-	-	-	-	2	100
C64	Kidney etc.	9	100	-	-	-	-	-	-	-	-	-	-	9	100
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	7	100	-	-	-	-	-	-	-	-	-	-	7	100
C68	Uns.Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	4	100	-	-	-	-	-	-	-	-	-	-	4	100
C70-72	Brain, Nervous System	18	78.3	-	-	1	4.3	-	-	-	-	4	17.4	23	100
C73	Thyroid	14	82.4	-	-	3	17.6	-	-	-	-	-	-	17	100
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C77	Sec Lymph Nodes	-	-	3	50	3	50	-	-	-	-	-	-	6	100
C78	Sec Resp & Digestive	-	-	4	44.4	3	33.3	-	-	-	-	2	22.2	9	100
C79	Sec Others	-	-	-	-	-	-	-	-	-	-	3	100	3	100
C81	Hodgkins Disease	4	100	-	-	-	-	-	-	-	-	-	-	4	100
C82-85,C96	NHL	24	92.3	-	-	1	3.8	-	-	-	-	1	3.8	26	100
C90	Multiple Myeloma	4	28.6	-	-	-	-	3	21.4	7	50	-	-	14	100
C91	Lymphoid Leuk.	2	14.3	-	-	-	-	10	71.4	2	14.3	-	-	14	100
C92-94	Myeloid Leukaemia	-	-	-	-	-	-	22	78.6	6	21.4	-	-	28	100
C95	Leukaemia Uns	-	-	-	-	-	-	2	100	-	-	-	-	2	100
O&U	Other and Uns	2	3.9	-	-	-	-	-	-	-	-	49	96.1	51	100
	All Sites	1,074	76.2	25	1.8	108	7.7	37	2.6	15	1.1	150	10.6	1,409	100

**TABLE BHP-7 (a): Number of Cancer Deaths by Five Year Age Group and Site (ICD-10):
2001-2003 – Males**

% = Relative Proportion of Cancers of All Sites.

Bhopal

ICD-10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Unkn	Total	%
C00	Lip	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	2	0.43
C01-02	Tongue	-	-	-	-	-	-	3	4	2	4	8	8	6	9	1	4	-	49	10.49
C03-06	Mouth	-	-	-	-	-	-	3	4	2	2	5	1	6	1	-	1	-	25	5.35
C07-8	Salivary Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.21
C09	Tonsil	-	-	-	-	-	1	-	-	2	-	2	-	1	-	1	-	-	7	1.5
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	3	0.64
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	0.21
C12-13	Hypopharynx	-	-	-	-	-	-	-	-	1	-	4	-	3	2	3	4	-	17	3.64
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	-	1	4	5	14	6	6	3	2	-	41	8.78
C16	Stomach	-	-	-	-	-	1	-	-	1	-	2	-	-	-	1	1	-	6	1.28
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	Colon	-	-	-	-	-	-	-	1	2	-	4	2	3	1	1	1	-	15	3.21
C19-20	Rectum	-	-	-	-	-	-	1	1	1	1	2	2	-	-	2	1	-	11	2.36
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	0.21
C22	Liver	-	-	-	-	-	-	1	-	2	-	3	-	3	2	1	1	-	13	2.78
C23-24	Gallbladder etc.	-	-	-	-	-	-	-	-	1	2	4	1	3	-	1	2	-	14	3
C25	Pancreas	-	-	-	-	-	-	-	-	1	-	1	2	-	2	1	-	-	7	1.5
C30-31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.21
C32	Larynx	-	-	-	-	-	-	-	-	2	1	1	4	5	3	2	3	-	21	4.5
C33-34	Lung etc.	-	-	-	-	-	-	3	1	2	5	7	15	12	9	14	7	-	75	16.06
C37-38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.21
C40-41	Bone	-	1	-	1	-	-	2	-	2	-	-	-	-	-	-	-	-	6	1.28
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	Other Skin	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	0.21
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.21
C50	Breast	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.21
C60	Penis	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.21
C61	Prostate	-	-	-	-	-	-	-	-	-	-	1	-	-	5	3	4	-	13	2.78
C62	Testis	-	-	-	2	1	-	1	-	-	-	1	-	-	-	-	-	-	5	1.07
C63	Other Male Genital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	2	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	6	1.28
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	1	1	2	-	3	1	1	-	-	9	1.93
C68	Uns. Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-72	Brain, Nervous System	-	-	-	-	-	1	-	-	-	-	-	1	-	1	-	1	-	4	0.86
C73	Thyroid	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	2	0.43
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C77	Sec Lymph Nodes	-	-	-	-	1	-	-	-	1	-	1	-	-	-	-	1	-	4	0.86
C78	Sec Resp & Digestive	-	-	-	-	-	-	-	-	1	1	1	-	-	2	1	-	-	6	1.28
C79	Sec Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	2	0.43
C82-85, C96	NHL	-	1	1	-	1	-	-	-	-	-	2	-	2	1	-	-	-	8	1.71
C90	Multiple Myeloma	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	3	0.64
C91	Lymphoid Leuk.	-	2	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	5	1.07
C92-94	Myeloid Leukaemia	-	1	-	-	2	-	-	-	1	-	1	-	1	-	-	-	-	6	1.28
C95	Leukaemia Uns	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	Other and Uns	-	-	3	1	2	1	1	2	2	7	10	14	4	6	6	7	-	66	14.13
	All Sites	2	7	5	6	7	4	16	15	33	33	69	65	63	56	45	41	-	467	100.00

**TABLE BHP-7 (b): Number of Cancer Deaths by Five Year Age Group and Site (ICD-10):
2001-2003 – Females**

% = Relative Proportion of Cancers of All Sites.

Bhopal

ICD-10	Site	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	Unkn	Total	%
C00	Lip	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	Tongue	-	-	-	-	-	-	-	2	1	1	2	-	1	-	-	-	-	7	1.94
C03-06	Mouth	-	-	-	-	-	1	-	1	3	2	1	3	2	1	2	-	-	16	4.44
C07-8	Salivary Gland	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	0.56
C09	Tonsil	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.28
C10	Oth. Oropharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	Nasopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-13	Hypopharynx	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.28
C14	Pharynx Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	Oesophagus	-	-	-	-	-	-	-	-	2	4	2	1	2	2	2	2	-	17	4.72
C16	Stomach	-	-	-	-	-	-	-	-	-	2	3	1	-	-	-	-	-	6	1.67
C17	Small Intestine	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.28
C18	Colon	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	2	0.56
C19-20	Rectum	-	-	-	-	-	1	-	-	-	1	1	-	-	-	-	3	-	6	1.67
C21	Anus & Anal Canal	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	0.28
C22	Liver	-	-	-	-	-	1	-	-	2	2	1	1	-	3	-	-	-	10	2.78
C23-24	Gallbladder etc.	-	-	-	-	-	-	1	1	5	1	2	1	4	-	1	3	-	19	5.28
C25	Pancreas	-	-	-	-	-	-	-	-	-	1	1	1	1	1	2	-	-	7	1.94
C30-31	Nose, Sinuses etc.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	Larynx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-34	Lung etc.	-	-	-	-	-	-	-	1	1	1	-	3	2	1	3	-	-	12	3.33
C37-38	Other Thoracic Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	Bone	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	1	-	4	1.11
C43	Melanoma of Skin	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.28
C44	Other Skin	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	0.28
C45	Mesothelioma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	Conn. & Soft Tissue	-	-	-	1	3	1	-	-	-	-	-	-	2	-	-	-	-	7	1.94
C50	Breast	-	-	-	-	-	1	3	4	7	8	13	10	3	4	3	2	-	58	16.11
C51	Vulva	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	Vagina	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.28
C53	Cervix Uteri	-	-	-	-	-	2	2	3	4	9	7	10	3	2	2	6	-	50	13.89
C54	Corpus Uteri	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	0.56
C55	Uterus Unspecified	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	Ovary etc.	-	-	1	2	1	1	2	1	4	1	4	2	6	-	2	-	-	27	7.5
C57	Other Female Genital	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	0.28
C58	Placenta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	Kidney etc.	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	3	0.83
C65	Renal Pelvis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	Ureter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	Bladder	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.28
C68	Uns.Urinary Organs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	Eye	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-72	Brain, Nervous System	-	1	1	-	-	-	-	1	-	-	-	-	-	-	1	-	-	4	1.11
C73	Thyroid	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2	0.56
C74	Adrenal Gland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C77	Sec Lymph Nodes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.28
C78	Sec Resp & Digestive	-	-	-	-	-	-	1	-	1	1	1	2	-	-	1	-	-	7	1.94
C79	Sec Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	Hodgkins Disease	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	2	0.56
C82-85,C96	NHL	-	-	1	-	-	-	-	2	-	-	2	-	-	-	-	-	-	5	1.39
C90	Multiple Myeloma	-	-	-	-	-	-	1	-	1	-	-	-	-	-	1	1	-	4	1.11
C91	Lymphoid Leuk.	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	0.83
C92-94	Myeloid Leukaemia	-	-	-	-	-	-	-	1	2	1	-	-	-	-	-	-	-	4	1.11
C95	Leukaemia Uns	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	Other and Uns	1	-	-	1	1	-	1	1	5	5	6	12	8	3	5	6	-	55	15.28
	All Sites	3	5	6	7	8	8	11	19	38	44	51	51	36	22	26	25	-	360	100.00

TABLE: BHP-8(a):
Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) (with Standard Error(SE)) and
Truncated (35-64 Yrs) (TR) Mortality Rate per 100,000 population: 2001-2003 - Males
Bhopal

ICD-10	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	>75	CR	AAR	SE	TR
C00	-	-	-	-	-	-	-	-	0.7	0.9	-	-	-	-	-	-	0.1	0.1	0.07	0.3
C01-02	-	-	-	-	-	-	1.5	2.2	1.4	3.6	9.7	13.8	10.8	25.1	3.9	18.0	2.0	3.2	0.47	6.1
C03-06	-	-	-	-	-	-	1.5	2.2	1.4	1.8	6.0	1.7	10.8	2.8	-	4.5	1.0	1.4	0.29	3.6
C07-8	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	0.0	0.1	0.08	-
C09	-	-	-	-	-	0.5	-	-	1.4	-	2.4	-	1.8	-	3.9	-	0.3	0.4	0.15	0.9
C10	-	-	-	-	-	-	-	-	-	-	-	1.7	1.8	-	3.9	-	0.1	0.2	0.13	0.5
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	0.0	0.1	0.08	-
C12-13	-	-	-	-	-	-	-	-	0.7	-	4.8	-	5.4	5.6	11.8	18.0	0.7	1.3	0.31	1.6
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	-	0.7	3.6	6.0	24.1	10.8	16.8	11.8	9.0	1.7	2.9	0.45	6.3
C16	-	-	-	-	-	0.5	-	-	0.7	-	2.4	-	-	-	3.9	4.5	0.2	0.4	0.16	0.5
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	0.5	1.4	-	4.8	3.4	5.4	2.8	3.9	4.5	0.6	1.0	0.26	2.3
C19-20	-	-	-	-	-	-	0.5	0.5	0.7	0.9	2.4	3.4	-	-	7.9	4.5	0.4	0.7	0.21	1.2
C21	-	-	-	-	-	-	-	-	0.7	-	-	-	-	-	-	-	0.0	0.0	0.04	0.1
C22	-	-	-	-	-	-	0.5	-	1.4	-	3.6	-	5.4	5.6	3.9	4.5	0.5	0.8	0.24	1.5
C23-24	-	-	-	-	-	-	-	-	0.7	1.8	4.8	1.7	5.4	-	3.9	9.0	0.6	0.9	0.25	2.2
C25	-	-	-	-	-	-	-	-	0.7	-	1.2	3.4	-	5.6	3.9	-	0.3	0.5	0.19	0.8
C30-31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.5	0.0	0.1	0.09	-
C32	-	-	-	-	-	-	-	-	1.4	0.9	1.2	6.9	9.0	8.4	7.9	13.5	0.9	1.5	0.34	2.7
C33-34	-	-	-	-	-	-	1.5	0.5	1.4	4.5	8.5	25.8	21.6	25.1	55.3	31.4	3.1	5.3	0.62	8.7
C37-38	-	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	0.0	0.1	0.06	0.2
C40-41	-	0.4	-	0.4	-	-	1.0	-	1.4	-	-	-	-	-	-	-	0.2	0.2	0.09	0.3
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-	-	-	0.0	0.0	0.03	0.1
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47+C49	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-	-	-	0.0	0.1	0.05	0.2
C50	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	0.0	0.1	0.08	-
C60	-	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	0.0	0.1	0.07	0.2
C61	-	-	-	-	-	-	-	-	-	-	1.2	-	-	14.0	11.8	18.0	0.5	1.1	0.30	0.2
C62	-	-	-	0.7	0.4	-	0.5	-	-	-	1.2	-	-	-	-	-	0.2	0.2	0.09	0.2
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	0.8	0.7	-	-	-	-	-	-	-	-	-	-	-	5.6	-	-	0.2	0.3	0.15	-
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	0.7	0.9	2.4	-	5.4	2.8	3.9	-	0.4	0.6	0.20	1.4
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-72	-	-	-	-	-	0.5	-	-	-	-	-	1.7	-	2.8	-	4.5	0.2	0.3	0.15	0.2
C73	-	-	-	-	-	-	-	-	-	0.9	-	-	-	-	3.9	-	0.1	0.1	0.10	0.2
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C77	-	-	-	-	0.4	-	-	-	0.7	-	1.2	-	-	-	-	4.5	0.2	0.2	0.12	0.3
C78	-	-	-	-	-	-	-	-	0.7	0.9	1.2	-	-	5.6	3.9	-	0.2	0.4	0.17	0.5
C79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	0.5	0.7	-	-	-	-	-	-	-	0.1	0.1	0.05	0.2
C82-85,C96	-	0.4	0.4	-	0.4	-	-	-	-	-	2.4	-	3.6	2.8	-	-	0.3	0.4	0.17	0.9
C90	-	-	-	-	-	-	-	-	0.7	0.9	1.2	-	-	-	-	-	0.1	0.2	0.09	0.5
C91	-	0.7	-	-	-	-	0.5	-	-	-	-	-	3.6	-	-	-	0.2	0.2	0.12	0.5
C92-94	-	0.4	-	-	0.8	-	-	-	0.7	-	1.2	-	1.8	-	-	-	0.2	0.3	0.12	0.6
C95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	-	-	1.1	0.4	0.8	0.5	0.5	1.1	1.4	6.3	12.1	24.1	7.2	16.8	23.7	31.4	2.7	4.2	0.54	7.7
All	0.8	2.5	1.8	2.2	2.7	1.9	8.2	8.2	22.8	29.7	83.3	112.0	113.5	156.4	177.7	184.1	19.1	30.3	1.45	54.3

TABLE: BHP-8(b):
Average Annual Age Specific, Crude (CR), Age Adjusted (AAR) (with Standard Error(SE)) and
Truncated (35-64 Yrs) (TR) Mortality Rate per 100,000 population: 2001-2003 - Females
Bhopal

ICD-10	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	>75	CR	AAR	SE	TR
C00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C01-02	-	-	-	-	-	-	-	1.2	0.9	1.1	3.0	-	2.0	-	-	-	0.3	0.4	0.17	1.4
C03-06	-	-	-	-	-	0.5	-	0.6	2.7	2.2	1.5	5.4	4.0	2.8	8.3	-	0.7	1.1	0.27	2.5
C07-8	-	-	0.4	-	-	-	-	-	-	-	1.5	-	-	-	-	-	0.1	0.1	0.08	0.2
C09	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	-	-	0.0	0.1	0.08	0.3
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12-13	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	0.0	0.1	0.09	-
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	-	1.8	4.3	3.0	1.8	4.0	5.7	8.3	7.6	0.8	1.2	0.30	2.4
C16	-	-	-	-	-	-	-	-	-	2.2	4.5	1.8	-	-	-	-	0.3	0.4	0.17	1.4
C17	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	0.0	0.1	0.08	0.2
C18	-	-	-	-	-	-	-	-	-	-	-	1.8	-	2.8	-	-	0.1	0.2	0.11	0.2
C19-20	-	-	-	-	-	0.5	-	-	-	1.1	1.5	-	-	-	-	11.4	0.3	0.4	0.17	0.5
C21	-	-	-	-	-	-	-	-	-	1.1	-	-	-	-	-	-	0.0	0.1	0.06	0.2
C22	-	-	-	-	-	0.5	-	-	1.8	2.2	1.5	1.8	-	8.5	-	-	0.5	0.7	0.22	1.2
C23-24	-	-	-	-	-	-	0.6	0.6	4.4	1.1	3.0	1.8	8.0	-	4.1	11.4	0.9	1.3	0.29	2.9
C25	-	-	-	-	-	-	-	-	-	1.1	1.5	1.8	2.0	2.8	8.3	-	0.3	0.5	0.21	0.9
C30-31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33-34	-	-	-	-	-	-	-	0.6	0.9	1.1	-	5.4	4.0	2.8	12.4	-	0.5	0.9	0.25	1.7
C37-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40-41	-	-	0.4	0.9	-	-	-	-	-	-	-	-	-	-	-	3.8	0.2	0.2	0.10	-
C43	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	0.0	0.1	0.08	0.2
C44	-	-	-	-	-	-	-	-	-	-	1.5	-	-	-	-	-	0.0	0.1	0.08	0.2
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47 + C49	-	-	-	0.4	1.3	0.5	-	-	-	-	-	-	4.0	-	-	-	0.3	0.3	0.14	0.5
C50	-	-	-	-	-	0.5	1.7	2.4	6.2	8.6	19.5	17.9	6.0	11.4	12.4	7.6	2.6	3.8	0.52	9.6
C51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	0.0	0.1	0.09	-
C53	-	-	-	-	-	0.9	1.1	1.8	3.5	9.7	10.5	17.9	6.0	5.7	8.3	22.8	2.3	3.3	0.48	7.7
C54	-	-	-	-	-	-	-	-	-	1.1	-	-	-	2.8	-	-	0.1	0.1	0.11	0.2
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	0.4	0.9	0.4	0.5	1.1	0.6	3.5	1.1	6.0	3.6	12.0	-	8.3	-	1.2	1.7	0.33	4.0
C57	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	-	-	0.0	0.1	0.07	0.2
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	0.9	-	-	-	-	1.1	-	-	-	-	-	-	0.1	0.1	0.08	0.2
C65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	-	-	0.0	0.1	0.08	0.3
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70-72	-	0.4	0.4	-	-	-	-	0.6	-	-	-	-	-	-	4.1	-	0.2	0.2	0.11	0.1
C73	-	-	-	-	-	-	-	-	-	-	-	1.8	-	-	4.1	-	0.1	0.2	0.11	0.2
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	0.0	0.1	0.08	-
C78	-	-	-	-	-	-	0.6	-	0.9	1.1	1.5	3.6	-	-	4.1	-	0.3	0.5	0.18	1.1
C79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	0.4	-	-	-	-	1.1	-	-	-	-	-	-	0.1	0.1	0.07	0.2
C82-85,C96	-	-	0.4	-	-	-	-	1.2	-	-	3.0	-	-	-	-	-	0.2	0.3	0.12	0.7
C90	-	-	-	-	-	-	0.6	-	0.9	-	-	-	-	-	4.1	3.8	0.2	0.2	0.13	0.2
C91	0.9	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	0.1	0.2	0.12	-
C92-94	-	-	-	-	-	-	-	0.6	1.8	1.1	-	-	-	-	-	-	0.2	0.2	0.11	0.7
C95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
O&U	0.5	-	-	0.4	0.4	-	0.6	0.6	4.4	5.4	9.0	21.5	16.0	8.5	20.7	22.8	2.5	3.9	0.53	8.3
All	1.4	2.0	2.4	3.0	3.6	3.8	6.3	11.5	33.6	47.4	76.5	91.5	72.0	62.5	107.8	95.1	16.4	23.7	1.28	51.3

TABLE BHP-9(a): Cumulative Rate (Cu.Rate%) & Cumulative Risk (Cu. Risk) of Individual Sites (ICD-10) Based on Age Specific Rates (from 0-64 Years and from 0-74 Years) 2001-2003: Males - Bhopal

ICD-10	Site	0 - 64 Years		0 - 74 Years	
		Cu. Rate %	Cu. Risk	Cu. Rate%	Cu. Risk
C00	Lip	0.03	0.03	0.08	0.08
C01-02	Tongue	0.68	0.68	1.18	1.17
C03-06	Mouth	0.58	0.58	1.03	1.02
C07-8	Salivary Gland	0.01	0.01	0.03	0.03
C09	Tonsil	0.14	0.14	0.24	0.24
C10	Oth. Oropharynx	0.04	0.04	0.09	0.09
C11	Nasopharynx	0.02	0.02	0.07	0.07
C12-13	Hypopharynx	0.37	0.37	0.76	0.76
C14	Pharynx Unspecified	0.02	0.02	0.06	0.06
C15	Oesophagus	0.49	0.49	0.95	0.94
C16	Stomach	0.12	0.12	0.19	0.19
C17	Small Intestine	0.01	0.01	0.01	0.01
C18	Colon	0.14	0.14	0.27	0.27
C19-20	Rectum	0.15	0.15	0.23	0.23
C21	Anus & Anal Canal	0.06	0.06	0.06	0.06
C22	Liver	0.13	0.13	0.28	0.28
C23-24	Gallbladder etc.	0.18	0.18	0.36	0.36
C25	Pancreas	0.04	0.04	0.11	0.11
C30-31	Nose, Sinuses etc.	0.06	0.06	0.11	0.11
C32	Larynx	0.34	0.34	0.64	0.64
C33-34	Lung etc.	0.76	0.76	1.56	1.55
C37-38	Other Thoracic Organs	0.02	0.02	0.02	0.02
C40-41	Bone	0.06	0.06	0.06	0.06
C43	Melanoma of Skin	-	-	-	-
C44	Other Skin	0.11	0.11	0.23	0.23
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn. & Soft Tissue	0.11	0.11	0.21	0.21
C50	Breast	0.03	0.03	0.06	0.06
C60	Penis	0.08	0.08	0.08	0.08
C61	Prostate	0.15	0.15	0.76	0.75
C62	Testis	0.05	0.05	0.07	0.07
C63	Other Male Genital	-	-	-	-
C64	Kidney etc.	0.1	0.1	0.18	0.18
C65	Renal Pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	0.21	0.21	0.45	0.45
C68	Uns.Urinary Organs	0.01	0.01	0.01	0.01
C69	Eye	0.01	0.01	0.01	0.01
C70-72	Brain, Nervous System	0.2	0.2	0.3	0.3
C73	Thyroid	0.02	0.02	0.04	0.04
C74	Adrenal Gland	-	-	-	-
C77	Sec Lymph Nodes	0.05	0.05	0.12	0.12
C78	Sec Resp & Digestive	0.06	0.06	0.17	0.17
C79	Sec Others	0.01	0.01	0.03	0.03
C81	Hodgkins Disease	0.05	0.05	0.08	0.08
C82-85,C96	NHL	0.19	0.19	0.34	0.34
C90	Multiple Myeloma	0.07	0.07	0.1	0.1
C91	Lymphoid Leuk.	0.07	0.07	0.13	0.13
C92-94	Myeloid Leukaemia	0.18	0.18	0.24	0.24
C95	Leukaemia Uns	0	0	0	0
O&U	Other and Uns	0.24	0.24	0.36	0.36
	All Sites	6.47	6.26	12.35	11.62

TABLE BHP-9(b): Cumulative Rate (Cu.Rate%) & Cumulative Risk (Cu. Risk) of Individual Sites (ICD-10) Based on Age Specific Rates (from 0–64 Years and from 0–74 Years) 2001-2003: Females - Bhopal

ICD-10	Site	0 - 64 Years		0 - 74 Years	
		Cu. Rate %	Cu. Risk	Cu. Rate%	Cu. Risk
C00	Lip	-	-	-	-
C01-02	Tongue	0.21	0.2	0.34	0.34
C03-06	Mouth	0.4	0.4	0.67	0.67
C07-8	Salivary Gland	0.02	0.02	0.02	0.02
C09	Tonsil	0.01	0.01	0.01	0.01
C10	Oth. Oropharynx	-	-	0.01	0.01
C11	Nasopharynx	0.01	0.01	0.01	0.01
C12-13	Hypopharynx	0.04	0.04	0.09	0.09
C14	Pharynx Unspecified	-	-	-	-
C15	Oesophagus	0.23	0.23	0.45	0.45
C16	Stomach	0.1	0.1	0.14	0.14
C17	Small Intestine	0.01	0.01	0.01	0.01
C18	Colon	0.05	0.05	0.09	0.09
C19-20	Rectum	0.13	0.13	0.19	0.19
C21	Anus & Anal Canal	0.01	0.01	0.03	0.03
C22	Liver	0.1	0.1	0.2	0.2
C23-24	Gallbladder etc.	0.35	0.35	0.54	0.54
C25	Pancreas	0.07	0.07	0.14	0.14
C30-31	Nose, Sinuses etc.	0.03	0.03	0.03	0.03
C32	Larynx	0.02	0.02	0.02	0.02
C33-34	Lung etc.	0.14	0.14	0.24	0.24
C37-38	Other Thoracic Organs	-	-	-	-
C40-41	Bone	0.06	0.06	0.06	0.06
C43	Melanoma of Skin	-	-	-	-
C44	Other Skin	0.09	0.09	0.15	0.15
C45	Mesothelioma	-	-	-	-
C46	Kaposi Sarcoma	-	-	-	-
C47+C49	Conn. & Soft Tissue	0.1	0.1	0.1	0.1
C50	Breast	1.82	1.8	2.45	2.42
C51	Vulva	0.02	0.02	0.07	0.07
C52	Vagina	0.04	0.04	0.06	0.06
C53	Cervix Uteri	1.46	1.45	2.09	2.07
C54	Corpus Uteri	0.11	0.11	0.19	0.19
C55	Uterus Unspecified	0.01	0.01	0.02	0.02
C56	Ovary etc.	0.45	0.45	0.59	0.59
C57	Other Female Genital	-	-	-	-
C58	Placenta	0	0	0	0
C64	Kidney etc.	0.03	0.03	0.05	0.05
C65	Renal Pelvis	-	-	-	-
C66	Ureter	-	-	-	-
C67	Bladder	0.04	0.04	0.06	0.06
C68	Uns.Urinary Organs	-	-	-	-
C69	Eye	0.02	0.02	0.02	0.02
C70-72	Brain, Nervous System	0.08	0.08	0.11	0.11
C73	Thyroid	0.06	0.06	0.11	0.11
C74	Adrenal Gland	-	-	-	-
C77	Sec Lymph Nodes	0.02	0.02	0.02	0.02
C78	Sec Resp & Digestive	0.04	0.04	0.08	0.08
C79	Sec Others	0.01	0.01	0.02	0.02
C81	Hodgkins Disease	0.01	0.01	0.01	0.01
C82-85,C96	NHL	0.14	0.14	0.17	0.17
C90	Multiple Myeloma	0.07	0.07	0.08	0.08
C91	Lymphoid Leuk.	0.04	0.04	0.06	0.06
C92-94	Myeloid Leukaemia	0.1	0.1	0.15	0.15
C95	Leukaemia Uns	0	0	0	0
O&U	Other and Uns	0.25	0.25	0.43	0.43
	All Sites	7.01	6.77	10.42	9.89