

## POPULATION BASED CANCER REGISTRY, BHOPAL Gandhi Medical College, Bhopal

**Dr V.K. Bharadwaj**, Professor and Head of Pathology and Principal Investigator, PBCR

**Dr S. Kanhere**, Ex-Principal Investigator

**Dr S. Surange**, Research Officer

**Dr R. Dikshit**, Research Officer

**Mr A. Shrivastava**, Research Officer

A special Population Based Cancer Registry was established by the Indian Council of Medical Research in the Department of Pathology, Gandhi Medical College, Bhopal in the aftermath of the gas tragedy in December 1984. The registry started functioning from January 1986 with the objective of registration of all cancer cases residing in Bhopal urban area. Long term objective of this special registry is to study the Methyl Iso Cyanate gas exposed population of Bhopal for possible carcinogenic effects. Estimated population of Bhopal registry area as on July 1, 1991 is 561582 in males and 502980 in females. Approximately 57% residents are literate in Bhopal.

The registry collects information from 63 medical centres, dispensaries and primary health centres as well as pathological laboratories. Attempts have been made to study the effects of gas exposure at Bhopal on risk of cancer. The studies have been undertaken to know the attributable risk in population of Bhopal. The results of these studies were published in International Journals.

Death registration system in Bhopal is far from adequate. Efforts are in progress to obtain reliable estimates of mortality rates in this population.

### Publications

1. Cancer Pattern of lung, oropharynx and oral cavity in relation to gas exposure at Bhopal (1999).  
R. Dikshit, S.Kanhere, Cancer Cause and Control 10:627-636.
2. Tobacco habits and risk of lung, oropharynx and oral cancer, a population based case-control study in Bhopal, India, (2000), R. Dikshit, S.Kanhere, International Journal of Epidemiology 29:609-614.

### *Other Staff of Population Based Cancer Registry, Bhopal*

<b>Mrs Alka Goley</b>	:	Social Investigator
<b>Mrs Sushma Shrivastava</b>	:	Social Investigator
<b>Miss Shubhra Trivedi</b>	:	Social Investigator
<b>Mrs Ragini Nair</b>	:	Typist
<b>Mr Jagannathan Nair</b>	:	Messenger

FIGURE BHP-1:

## Population Pyramid showing Age Distribution : 1997-98

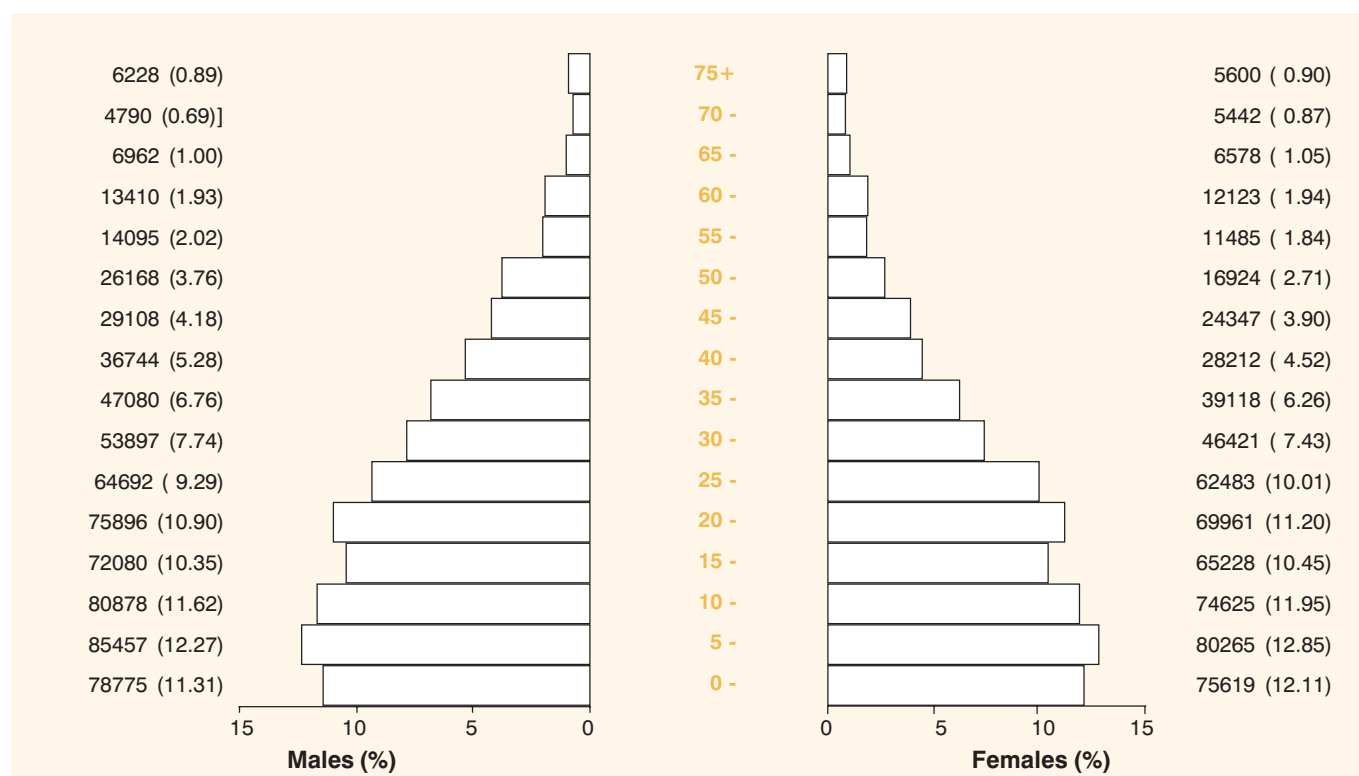


TABLE BHP-1:

## Main Sources\* of Registration of Incident Cases of Cancer in Bhopal - 1997-1998

Name of the Institution	Number	%
J.N.Cancer Hospital	979	59.4
Hamidia Hospital	395	24.0
Kasturba Hospital	75	4.5
TMH-Mumbai	66	4.0
Sultania Hospital	56	3.4
DCO's	30	1.8
Parulkar Clinic	23	1.4
Navodaya	17	1.0
Indore Cancer Hospital	4	0.2
Others	4	0.2
<b>Total All Sources</b>	<b>1649</b>	<b>100.0</b>

\* 1. Institutions listed have registered at least one percent of all cases in the registry for the combined years 1997-98.

\* 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-2(a): Number of Incident Cancers by Five Year Age Group and Site (ICD-9):  
1997-1998 – Males**

*% = Relative Proportion of Cancers of All Sites.*

**Bhopal**

ICD-9	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	Total	%
140	Lip	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	0	4	0.46
141	Tongue	0	0	0	0	0	1	2	1	3	6	8	11	13	6	12	7	70	8.04
142	Salivary Gland	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0	3	0.34
143	Gum	0	0	0	0	0	0	0	1	0	0	2	2	2	1	1	1	10	1.15
144	Floor of Mouth	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0.11
145	Other Mouth	0	0	0	0	0	4	6	4	9	5	9	10	10	5	5	4	71	8.15
146	Oropharynx	0	0	0	0	0	0	0	0	1	2	2	2	3	4	3	0	17	1.95
147	Nasopharynx	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0	4	0.46
148	Hypopharynx	0	0	0	0	0	0	0	0	4	6	9	6	5	11	4	5	50	5.74
149	Pharynx etc.	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0.23
150	Oesophagus	0	0	0	0	0	0	1	2	5	5	11	11	9	14	8	4	70	8.04
151	Stomach	0	0	0	0	0	0	1	1	3	5	2	3	2	5	4	0	26	2.99
152	Small Intestine	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0.11
153	Colon	0	0	0	0	0	1	0	4	1	4	2	2	6	3	4	0	27	3.1
154	Rectum	0	0	0	0	1	0	1	2	2	1	2	1	1	2	1	4	18	2.07
155	Liver	0	0	0	0	0	1	1	1	2	1	2	1	3	4	0	4	20	2.3
156	Gall Bladder	0	0	0	0	0	0	1	0	2	1	2	2	2	0	2	0	12	1.38
157	Pancreas	0	0	0	0	0	0	0	0	0	1	3	3	2	3	1	1	14	1.61
158	Retroperit	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Other Dig	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0.11
160	Nasal Cavity	1	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	8	0.92
161	Larynx	0	0	0	0	0	0	0	1	5	5	7	7	10	1	4	4	44	5.05
162	Lung	0	0	0	0	0	0	2	0	6	3	15	24	19	14	12	9	104	11.94
163	Pleura	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0.11
164	Thymus	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.11
165	Other Resp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Bone	0	0	1	2	2	1	0	0	1	0	0	2	2	0	0	0	11	1.26
171	Connective	0	1	1	0	1	2	1	2	1	0	1	1	1	0	0	0	12	1.38
172	Skin Melan	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	3	0.34
173	Skin Other	0	0	0	0	1	0	0	1	3	2	3	2	0	0	0	2	14	1.61
175	Breast Mal	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	3	0.34
185	Prostate	0	0	0	0	0	0	0	1	1	2	5	5	5	8	13	9	49	5.63
186	Testis	1	1	0	1	1	2	2	2	1	0	0	0	1	0	0	0	12	1.38
187	Penis etc.	0	0	0	0	0	0	0	1	1	1	2	1	1	0	1	0	8	0.92
188	Uri Bladder	0	0	0	1	0	0	0	1	1	0	6	1	9	2	7	5	33	3.79
189	Kidney	0	0	0	0	1	0	1	0	0	2	1	1	4	0	2	1	13	1.49
190	Eye	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0.46
191	Brain	0	1	2	1	1	1	1	6	2	2	1	2	2	0	0	1	23	2.64
192	Nervous Sy	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0.23
193	Thyroid Gland	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	2	0.23
194	Oth Endo Gland	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	0.23
195	Ill Def Sites	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.11
196	Sec Lymph	0	0	0	0	1	0	0	0	1	1	0	0	1	2	0	2	8	0.92
197	Sec Res Et	0	0	0	0	0	0	0	1	1	0	2	0	2	2	0	0	8	0.92
198	Sec Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
199	Prim Unk	0	0	0	0	0	0	0	1	1	1	1	2	2	2	0	1	11	1.26
200	Lymphosarc	2	2	0	0	0	0	0	0	0	0	1	0	0	0	0	1	6	0.69
201	Hodgkins D	0	0	0	0	1	0	1	0	0	0	0	1	0	1	0	0	4	0.46
202	Oth Lympho	0	0	2	3	1	1	3	1	1	1	1	2	0	5	2	2	25	2.87
203	Mult Myelo	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0.23
204	Leuk Lymph	0	1	1	3	0	0	0	0	2	1	0	0	0	0	0	0	8	0.92
205	Leuk Myelo	0	1	0	2	4	0	1	7	4	2	2	2	0	1	0	0	26	2.99
206	Leuk Monoc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
207	Leuk other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
208	Leuk Uns	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	2	0.23
	<b>TOTAL</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>14</b>	<b>15</b>	<b>15</b>	<b>26</b>	<b>44</b>	<b>68</b>	<b>63</b>	<b>104</b>	<b>113</b>	<b>122</b>	<b>101</b>	<b>93</b>	<b>69</b>	<b>871</b>	
	%	0.8	0.9	1	1.6	1.7	1.7	2.9	5	7.8	7.2	11.9	12.9	14	11.6	10.6	7.9	100	

**TABLE BHP-2(b): Number of Incident Cancers by Five Year Age Group and Site (ICD-9):  
1997-1998 – Females**

*% = Relative Proportion of Cancers of All Sites.*

**Bhopal**

ICD-9	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	Total	%
140	Lip	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0.13
141	Tongue	0	0	0	0	0	0	0	1	1	0	4	2	3	2	1	0	14	1.80
142	Salivary Gland	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	3	0.39
143	Gum	0	0	0	0	0	0	0	0	1	1	2	1	3	2	1	0	11	1.41
144	Floor of Mouth	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
145	Other Mouth	0	0	0	0	0	1	1	1	4	4	8	4	5	3	2	3	36	4.63
146	Oropharynx	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0.13
147	Nasopharynx	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0	3	0.39
148	Hypopharynx	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	4	0.51
149	Pharynx etc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
150	Oesophagus	0	0	0	0	0	0	1	0	0	3	4	3	7	6	1	3	28	3.60
151	Stomach	1	0	0	0	0	0	0	4	0	1	2	1	2	2	0	1	14	1.80
152	Small Intestine	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2	0.26
153	Colon	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	4	0.51
154	Rectum	0	0	0	0	0	1	1	1	0	1	2	2	1	2	2	1	14	1.80
155	Liver	0	0	0	0	0	0	0	0	1	1	0	1	2	2	0	1	8	1.03
156	Gall Bladd	0	0	0	0	0	0	0	2	0	2	3	3	7	2	0	5	24	3.08
157	Pancreas	0	0	0	0	0	0	0	0	0	1	0	2	2	3	0	0	8	1.03
158	Retroperit	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	0.26
159	Other Dig.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
160	Nasal Cavity	0	0	0	0	0	0	1	1	0	0	3	0	0	0	1	0	6	0.77
161	Larynx	0	0	0	0	0	0	1	0	0	0	2	0	0	1	1	0	5	0.64
162	Lung	0	0	0	0	1	0	0	0	0	2	3	0	3	1	2	3	15	1.93
163	Pleura	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
164	Thymus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
165	Other Resp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
170	Bone	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	3	0.39
171	Connective	1	0	1	0	2	0	0	0	1	2	2	0	1	1	1	0	12	1.54
172	Skin Melan	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2	0.26
173	Skin Other	0	0	0	1	0	0	0	1	0	0	2	0	0	1	0	1	6	0.77
174	Breast Fem	0	0	0	1	1	4	6	18	26	34	23	22	24	12	6	2	179	23.01
179	Uterine Un	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0.13
180	Cervix Uteri	0	0	0	0	0	2	11	16	22	26	25	30	17	8	12	4	173	22.24
181	Placenta	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3	0.39
182	Body Uterus	0	0	0	0	0	0	0	0	4	2	3	1	1	1	0	1	13	1.67
183	Ovary	2	0	2	3	0	3	1	6	5	4	8	5	3	2	2	0	46	5.91
184	Vagina	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	3	0.39
188	Uri Bladder	0	0	0	0	0	0	0	0	0	0	0	2	0	1	1	1	5	0.64
189	Kidney	1	0	0	0	1	0	0	2	0	0	0	0	1	0	0	0	5	0.64
190	Eye	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.13
191	Brain	0	0	1	1	0	1	2	0	0	2	3	3	1	0	0	0	14	1.80
192	Nervous Sy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
193	Thyroid Gland	0	0	0	1	4	1	0	2	0	0	5	0	0	2	0	2	17	2.19
194	Oth Endo Gland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
195	Ill Def Sites	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
196	Sec Lymph	0	1	0	0	0	1	0	0	0	0	3	1	0	1	0	1	8	1.03
197	Sec Res Et	0	0	0	0	0	0	0	0	0	1	1	1	0	1	2	1	7	0.90
198	Sec Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
199	Prim Unk	0	0	0	0	0	1	0	1	4	2	1	0	1	3	1	1	15	1.93
200	Lymphosarc	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	3	0.39
201	Hodgkins D	0	0	0	0	1	1	1	0	0	0	0	0	1	0	0	0	4	0.51
202	Oth Lympho	0	1	0	1	0	1	1	2	0	2	2	2	2	4	2	0	20	2.57
203	Mult Myelo	0	0	0	0	0	0	0	1	0	0	1	0	1	0	2	1	6	0.77
204	Leuk Lymph	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	7	0.90
205	Leuk Myelo	0	1	2	2	1	2	3	3	2	1	1	0	3	0	0	0	21	2.70
206	Leuk Monoc	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
207	Leuk other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
208	Leuk Uns	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.13
	<b>TOTAL</b>	<b>8</b>	<b>7</b>	<b>9</b>	<b>11</b>	<b>13</b>	<b>21</b>	<b>35</b>	<b>64</b>	<b>73</b>	<b>93</b>	<b>115</b>	<b>89</b>	<b>97</b>	<b>64</b>	<b>43</b>	<b>36</b>	<b>778</b>	
	<b>%</b>	<b>1.0</b>	<b>0.9</b>	<b>1.1</b>	<b>1.4</b>	<b>1.6</b>	<b>2.7</b>	<b>4.5</b>	<b>8.2</b>	<b>9.3</b>	<b>11.9</b>	<b>14.7</b>	<b>11.4</b>	<b>12.4</b>	<b>8.2</b>	<b>5.5</b>	<b>4.6</b>	<b>100.0</b>	





**TABLE BHP-4(a): Cumulative Rate (Cu.Rate%) & Cumulative Risk (Cu. Risk) of Individual Sites (ICD-9) Based on Age Specific Rates (from 0-64 Years and from 0-74 Years) 1997-1998: Males - Bhopal**

ICD-9	Site	0 - 64 Years		0 - 74 Years	
		Cu. Rate %	Cu. Risk	Cu. Rate%	Cu. Risk
140	Lip	0.04	0.04	0.15	0.15
141	Tongue	0.82	0.82	1.45	1.44
142	Salivary Gland	0.01	0.01	0.06	0.06
143	Gum	0.13	0.13	0.19	0.19
144	Floor of Mouth	0.02	0.02	0.02	0.02
145	Other Mouth	0.80	0.79	1.06	1.05
146	Oropharynx	0.28	0.28	0.43	0.43
147	Nasopharynx	0.06	0.06	0.12	0.11
148	Hypopharynx	0.76	0.76	0.97	0.96
149	Pharynx Etc.	0.01	0.01	0.01	0.01
150	Oesophagus	1.06	1.06	1.48	1.47
151	Stomach	0.36	0.36	0.57	0.57
152	Small Intestine	0.01	0.01	0.01	0.01
153	Colon	0.34	0.34	0.55	0.55
154	Rectum	0.17	0.17	0.22	0.22
155	Liver	0.27	0.27	0.27	0.27
156	Gall Bladder	0.12	0.12	0.22	0.22
157	Pancreas	0.24	0.23	0.29	0.29
158	Retroperitoneum	0.00	0.00	0.00	0.00
159	Other Dig Sys	0.00	0.00	0.05	0.05
160	Nasal Cavity	0.09	0.09	0.14	0.14
161	Larynx	0.50	0.49	0.70	0.70
162	Lung	1.50	1.49	2.13	2.11
163	Pleura	0.02	0.02	0.02	0.02
164	Thymus	0.00	0.00	0.00	0.00
165	Other Resp	0.00	0.00	0.00	0.00
170	Bone	0.10	0.10	0.10	0.10
171	Conn Tissue	0.08	0.08	0.08	0.08
172	Skin Melanoma	0.07	0.07	0.07	0.07
173	Skin Other	0.11	0.11	0.11	0.11
175	Breast Male	0.05	0.05	0.05	0.05
185	Prostate	0.55	0.55	1.23	1.22
186	Testis	0.07	0.07	0.07	0.07
187	Penis Etc	0.08	0.08	0.13	0.13
188	Uri Bladder	0.33	0.33	0.70	0.69
189	Kidney	0.13	0.13	0.23	0.23
190	Eye	0.01	0.01	0.06	0.06
191	Brain	0.17	0.17	0.17	0.17
192	Nervous Sys	0.01	0.01	0.01	0.01
193	Thyroid Gland	0.04	0.04	0.04	0.04
194	Oth Endo Gland	0.03	0.03	0.03	0.03
195	Ill Def Sites	0.00	0.00	0.00	0.00
196	Sec Lymph Node	0.11	0.11	0.11	0.11
197	Sec Res Etc	0.14	0.14	0.14	0.14
198	Sec Other	0.00	0.00	0.00	0.00
199	Primary Unk	0.18	0.18	0.18	0.18
200	Lymphosarcoma	0.02	0.02	0.02	0.02
201	Hodgkins Dis	0.06	0.06	0.06	0.06
202	Oth Lymph Node	0.28	0.28	0.39	0.39
203	Mult Myeloma	0.01	0.01	0.01	0.01
204	Leuk Lymphatic	0.04	0.04	0.04	0.04
205	Leuk Myelocytic	0.20	0.20	0.20	0.20
206	Leuk Monocytic	0.00	0.00	0.00	0.00
207	Leuk Misc	0.00	0.00	0.00	0.00
208	Leuk Uns	0.01	0.01	0.01	0.01
	<b>ALL SITES</b>	<b>10.49</b>	<b>9.96</b>	<b>15.34</b>	<b>14.22</b>

**TABLE BHP-4(b): Cumulative Rate (Cu.Rate%) & Cumulative Risk (Cu. Risk) of Individual Sites (ICD-9) Based on Age Specific Rates (from 0-64 Years and from 0-74 Years) 1997-1998: Females - Bhopal**

ICD-9	Site	0 - 64 Years		0 - 74 Years	
		Cu. Rate %	Cu. Risk	Cu. Rate%	Cu. Risk
140	Lip	0.01	0.01	0.02	0.02
141	Tongue	0.12	0.12	0.30	0.30
142	Salivary Gland	0.02	0.02	0.05	0.05
143	Gum	0.19	0.19	0.26	0.25
144	Floor of Mouth	0.01	0.01	0.00	0.00
145	Other Mouth	0.50	0.50	0.61	0.60
146	Oropharynx	0.05	0.05	0.02	0.02
147	Nasopharynx	0.02	0.02	0.06	0.06
148	Hypopharynx	0.15	0.15	0.07	0.07
149	Pharynx Etc	0.01	0.01	0.00	0.00
150	Oesophagus	0.64	0.63	0.58	0.58
151	Stomach	0.50	0.50	0.21	0.21
152	Small Intestine	0.01	0.01	0.03	0.03
153	Colon	0.15	0.15	0.12	0.12
154	Rectum	0.26	0.25	0.29	0.29
155	Liver	0.10	0.10	0.16	0.16
156	Gall Bladder	0.11	0.11	0.36	0.36
157	Pancreas	0.03	0.03	0.21	0.21
158	Retroperitoneum	0.04	0.04	0.04	0.04
159	Other Dig Sys	0.01	0.01	0.00	0.00
160	Nasal Cavity	0.04	0.04	0.10	0.10
161	Larynx	0.05	0.05	0.12	0.12
162	Lung	0.20	0.20	0.26	0.26
163	Pleura	0.04	0.04	0.00	0.00
164	Thymus	0.00	0.00	0.00	0.00
165	Other Resp	0.00	0.00	0.00	0.00
170	Bone	0.06	0.06	0.01	0.01
171	Conn Tissue	0.04	0.04	0.18	0.18
172	Skin Melanoma	0.01	0.01	0.01	0.01
173	Skin Other	0.12	0.12	0.08	0.08
174	Breast Female	2.32	2.29	2.80	2.76
179	Uterine Un	0.06	0.06	0.02	0.02
180	Cervix Uteri	2.23	2.20	2.86	2.82
181	Placenta	0.00	0.00	0.02	0.02
182	Body Uterus	0.36	0.36	0.18	0.18
183	Ovary	0.48	0.48	0.62	0.62
184	Vagina	0.12	0.12	0.01	0.01
188	Uri Bladder	0.06	0.06	0.13	0.13
189	Kidney	0.05	0.05	0.04	0.04
190	Eye	0.01	0.01	0.00	0.00
191	Brain	0.14	0.14	0.17	0.17
192	Nervous System	0.01	0.01	0.00	0.00
193	Thyroid Gland	0.23	0.23	0.19	0.19
194	Oth Endo Gland	0.00	0.00	0.00	0.00
195	Ill Def Sites	0.03	0.03	0.00	0.00
196	Sec Lymph Node	0.08	0.08	0.11	0.11
197	Sec Res Etc	0.12	0.12	0.18	0.18
198	Sec Other	0.06	0.06	0.00	0.00
199	Primary Unk	0.34	0.34	0.26	0.26
200	Lymphosarcoma	0.05	0.05	0.01	0.01
201	Hodgkins Dis	0.06	0.06	0.03	0.03
202	Oth Lymphoma	0.18	0.18	0.41	0.41
203	Mult Myeloma	0.08	0.08	0.13	0.13
204	Leuk Lymphatic	0.03	0.03	0.02	0.02
205	Leuk Myelocytic	0.14	0.14	0.17	0.17
206	Leuk Monocytic	0.00	0.00	0.00	0.00
207	Leuk Misc	0.00	0.00	0.00	0.00
208	Leuk Uns	0.03	0.03	0.00	0.00
	<b>ALL SITES</b>	<b>10.80</b>	<b>10.24</b>	<b>12.50</b>	<b>11.75</b>