The following bar graphs provide the comparison of the leading sites of cancer for the first two years of registry operation and the recent two years data. This will be 1982–83 and 2004–05 for the PBCRs at Bangalore, Mumbai and Chennai and 1988-89 and 2004-05 for the registries at Barshi, Bhopal and Delhi.

**Bangalore (Figure 3.1(a) & 3.1(b)) :**

**Males:** Among males, during 1982–83, stomach was the leading site of cancer and it continues to be so twenty four years down the line. Cancer of the prostate was the tenth leading site in the earlier years and is now the fourth leading site. Cancers of the brain and colon that were not, are now among ten leading sites in 2004–05.

**Females:** Among females, cancer of the breast has replaced cancer of the cervix as the leading site. Cancers of the corpus uteri and ovary have increased in their ranking. Cancer of the lung that did not appear among ten leading sites in 1982-83 is the tenth leading site during 2004-05.

**Barshi (Figure 3.2(a) & 3.2(b)) :**

**Males:** Cancers of the hypopharynx and oesophagus continue to be the first two leading sites among males in Barshi. Cancer of the brain has appeared among the leading sites of cancer as also non-Hodgkin’s Lymphoma (NHL).

**Females:** Among females, cancer of the cervix uteri continues to be the leading site. Cancer of the lung has appeared as the fifth leading site during 2004-05.

*The data from Barshi is in relatively small numbers because of the smaller geographic area covered. Therefore, caution needs to be observed in interpreting this data.*

**Bhopal (Figure 3.3(a) & 3.3(b)) :**

**Males:** Cancer of the lung and mouth were the first and third leading sites earlier and have become the first two leading sites in 2004-05. Cancer of the prostate has increased in ranking. The new sites of cancer that have appeared among the ten leading sites during 2004-05 are non-Hodgkin’s Lymphoma, liver and myeloid leukaemia.
**Females:** Among females, as in other urban registries, cancer of the breast has replaced cancer of the cervix as the leading site of cancer and cancer of the ovary has risen in rank as the third leading site.

**Chennai (Figure 3.4(a) & 3.4(b)) :**

**Males:** Stomach was the leading site of cancer during 1982-83 and this site has been replaced by lung in more recent years. Cancers of the prostate and rectum have appeared as the seventh and tenth leading site of cancer. These sites were not seen among ten leading sites during 1982-83.

**Females:** Among females, cancer of the breast has replaced cancer of the cervix as the first leading site of cancer. Cancer of the ovary which was the fifth leading site earlier has gone up in rank. Cancer of the lung with brain and corpus uteri have appeared as the eighth and ninth leading sites of cancer during 2004-05.

**Delhi (Figure 3.5(a) & 3.5(b)) :**

**Males:** Cancer of the lung was and is the leading site of cancer among males. Cancer of the prostate which was the eighth leading site during 1988-89 has become the second leading site during 2004-05.

**Females:** Cancer of the breast has replaced cancer of the cervix as the leading site. Cancer of the ovary and gall bladder continue to be the third and fourth leading sites. Cancer of the corpus-uteri which was the tenth leading site has become fifth leading site of cancer. Cancer of the lung was not among the ten leading sites during 1988-89 has become sixth leading site during 2004-05.

**Mumbai (Figure 3.6(a) & 3.6(b)) :**

**Males:** Cancer of the lung continues to be the leading site of cancer. Cancer of the prostate which was the eighth leading site has now become the third leading site of cancer. Cancer of the brain which was not among ten leading sites during 1982-83 has become the tenth leading site of cancer.

**Females:** Cancer of the breast continues to be the leading site of cancer for almost a quarter of a century. Cancers of the ovary, lung and corpus uteri have gone up in their ranking.

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In males in Delhi, cancer of the prostate which was the eighth leading site during 1988-89 has become the second leading site during 2004-05. In females in Delhi, cancer of the breast has replaced cancer of the cervix as the leading site. Cancer of the ovary and gall bladder continue to be the third and fourth leading sites. Cancers of the corpus-uteri which was the tenth leading site has become fifth leading site of cancer. Cancer of the lung was not among the ten leading sites during 1988-89 has become sixth leading site during 2004-05.

In males in Mumbai, cancer of the prostate which was the eighth leading site has now become the third leading site of cancer.
Fig. 3.1(a): Ten Leading Sites of Cancer – Males: Bangalore

Age Adjusted Incidence Rates given in parentheses

### 1982-1983

- **Stomach**: 10.9 (9.9)
- **Oesophagus**: 6.9 (6.6)
- **Lung**: 6.4 (6.3)
- **Hypopharynx**: 5.1 (4.9)
- **Mouth**: 4.5 (4.1)
- **Larynx**: 4.5 (4.2)
- **NHL**: 4.2 (3.0)
- **Tongue**: 3.9 (3.8)
- **Bladder**: 3.6 (3.5)
- **Prostate**: 3.0 (3.3)

### 2004-2005

- **Stomach**: 9.2 (9.3)
- **Lung**: 8.1 (8.5)
- **Oesophagus**: 6.6 (7.0)
- **Prostate**: 5.8 (6.8)
- **Brain, NS**: 4.6 (3.9)
- **NHL**: 4.3 (4.1)
- **Liver**: 4.1 (4.4)
- **Hypopharynx**: 3.9 (3.9)
- **Larynx**: 3.6 (3.8)
- **Colon**: 3.2 (3.2)
Fig. 3.1(b): Ten Leading Sites of Cancer – Females : Bangalore

*Age Adjusted Incidence Rates given in parentheses*

**1982-1983**

- Cervix Uteri: 28.1 (31.5)
- Breast: 14.7 (15.9)
- Mouth: 8.4 (10.4)
- Oesophagus: 5.3 (6.5)
- Stomach: 4.7 (5.5)
- Ovary: 4.2 (4.2)
- Thyroid: 2.4 (2.4)
- Other Skin: 1.8 (2.0)
- Rectum: 1.5 (1.6)
- Corpus Uteri: 1.5 (1.9)

**2004-2005**

- Breast: 26.3 (30.9)
- Cervix Uteri: 15.7 (18.8)
- Ovary: 5.3 (6.2)
- Oesophagus: 4.8 (6.5)
- Mouth: 4.6 (5.9)
- Stomach: 4.0 (4.9)
- Corpus Uteri: 3.3 (4.3)
- NHL: 2.8 (3.5)
- Thyroid: 2.8 (2.9)
- Lung: 2.4 (3.1)
Fig. 3.2(a): Ten Leading Sites of Cancer – Males : Barshi

Age Adjusted Incidence Rates given in parentheses

1988-1989

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<thead>
<tr>
<th>Site</th>
<th>1988-1989</th>
<th>2004-2005</th>
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<td>7.7 (4.1)</td>
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<td>Rectum</td>
<td>7.7 (4.0)</td>
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<td>Prostate</td>
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2004-2005

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<tr>
<td>Prostate</td>
<td>4.1 (1.6)</td>
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<tr>
<td>Penis</td>
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<tr>
<td>Other Skin</td>
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<td>Brain/NHL</td>
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</table>
Fig. 3.2(b): Ten Leading Sites of Cancer – Females: Barshi

Age Adjusted Incidence Rates given in parentheses

1988-1989

- Cervix Uteri: 48.5 (23.5)
- Breast: 13.5 (6.9)
- Other Skin: 3.5 (1.8)
- Ovary: 2.9 (1.6)
- Rectum: 2.9 (1.2)
- Mouth: 1.8 (1.2)
- NHL: 1.8 (1.0)
- Bone: 1.8 (1.0)
- Stomach: 1.8 (0.9)
- Vulva: 0.8 (0.9)

Relative Proportion %

2004-2005

- Cervix Uteri: 37.0 (22.8)
- Breast: 15.5 (9.4)
- Oesophagus: 6.8 (4.0)
- Ovary: 6.0 (3.8)
- Lung: 3.8 (2.5)
- Rectum: 1.9 (0.7)
- Other Skin: 1.9 (1.1)
- Myeloid Leuk.: 1.5 (0.9)
- Corpus Uteri: 1.5 (0.9)
- Liver: 1.5 (0.8)

Relative Proportion %
Fig. 3.3(a): Ten Leading Sites of Cancer – Males: Bhopal

Age Adjusted Incidence Rates given in parentheses

1988-1989

- Lung: 11.0 (11.3)
- Tongue: 10.5 (10.1)
- Mouth: 8.8 (8.6)
- Hypopharynx: 6.4 (6.4)
- Oesophagus: 6.4 (6.1)
- Tonsil: 4.1 (3.7)
- Larynx: 3.9 (3.8)
- Stomach: 3.9 (3.8)
- Prostate: 3.0 (3.5)
- Pancreas: 2.8 (2.9)

2004-2005

- Mouth: 10.3 (8.8)
- Lung: 10.2 (10.1)
- Tongue: 9.6 (8.9)
- Oesophagus: 5.2 (5.4)
- Larynx: 4.6 (4.6)
- Prostate: 4.2 (4.6)
- Hypopharynx: 3.9 (4.1)
- NHL: 3.9 (3.2)
- Liver: 2.7 (2.5)
- Myeloid Leuk.: 2.6 (1.9)
Fig. 3.3(b): Ten Leading Sites of Cancer – Females: Bhopal

Age Adjusted Incidence Rates given in parentheses

1988-1989

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<td>Mouth</td>
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<td>Ovary</td>
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<td>Gallbladder</td>
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2004-2005

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Fig. 3.4(a): Ten Leading Sites of Cancer – Males: Chennai

*Age Adjusted Incidence Rates given in parentheses*

**1982-1983**

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**2004-2005**

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<tr>
<td>Mouth</td>
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Fig. 3.4(b): Ten Leading Sites of Cancer – Females: Chennai

Age Adjusted Incidence Rates given in parentheses

1982-1983

- Cervix Uteri: 38.0 (42.3)
- Breast: 16.2 (18.3)
- Mouth: 6.7 (8.3)
- Stomach: 5.2 (6.0)
- Ovary: 3.8 (4.3)
- Oesophagus: 3.6 (4.4)
- Thyroid: 1.4 (1.5)
- Hypopharynx: 1.4 (1.4)
- Tongue: 1.3 (1.6)
- NHL: 1.2 (1.3)

2004-2005

- Breast: 28.3 (33.0)
- Cervix Uteri: 18.5 (22.3)
- Stomach: 4.7 (5.6)
- Ovary: 4.5 (5.4)
- Oesophagus: 4.0 (4.9)
- Mouth: 3.6 (4.7)
- Thyroid: 2.8 (2.9)
- Lung: 2.5 (3.1)
- Brain, NS: 1.9 (2.2)
- Corpus Uteri: 1.8 (2.3)
Fig. 3.5(a): Ten Leading Sites of Cancer – Males: Delhi

*Age Adjusted Incidence Rates given in parentheses*

**1988-1989**

- Lung: 8.7 (10.9)
- Larynx: 6.7 (7.8)
- Tongue: 5.1 (6.1)
- NHL: 4.9 (4.8)
- Oesophagus: 4.7 (5.8)
- Brain, NS: 4.2 (3.6)
- Bladder: 3.9 (5.3)
- Prostate: 3.8 (6.0)
- Lymphoid Leuk.: 3.4 (2.7)
- Myeloid Leuk.: 3.3 (2.6)

**2004-2005**

- Lung: 10.1 (13.5)
- Prostate: 7.0 (10.4)
- Larynx: 6.6 (8.5)
- Tongue: 5.6 (6.6)
- NHL: 5.0 (5.4)
- Bladder: 4.8 (6.5)
- Mouth: 4.7 (5.5)
- Brain, NS: 4.5 (4.2)
- Oesophagus: 4.0 (5.1)
- Stomach: 2.9 (3.5)
**Fig. 3.5(b): Ten Leading Sites of Cancer – Females: Delhi**

*Age Adjusted Incidence Rates given in parentheses*

### 1988-1989

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### 2004-2005

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<td>Oesophagus</td>
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Fig. 3.6(a): Ten Leading Sites of Cancer – Males: Mumbai

*Age Adjusted Incidence Rates given in parentheses*

**1982-1983**

- **Lung**: 11.1 (13.6)
- **Oesophagus**: 8.0 (10.1)
- **Hypopharynx**: 6.9 (8.2)
- **Larynx**: 6.3 (7.6)
- **Tongue**: 6.2 (6.9)
- **Stomach**: 5.8 (7.0)
- **Mouth**: 5.2 (5.6)
- **Prostate**: 3.2 (5.2)
- **NHL**: 3.0 (2.8)
- **Liver**: 2.8 (3.4)

**2004-2005**

- **Lung**: 8.2 (8.7)
- **Mouth**: 7.7 (6.8)
- **Prostate**: 5.8 (6.8)
- **Larynx**: 5.3 (5.5)
- **Oesophagus**: 5.2 (5.5)
- **Tongue**: 5.2 (4.8)
- **NHL**: 4.8 (4.4)
- **Stomach**: 4.8 (4.9)
- **Liver**: 4.4 (4.6)
- **Brain, NS**: 3.8 (3.1)
Fig. 3.6(b): Ten Leading Sites of Cancer – Females: Mumbai

Age Adjusted Incidence Rates given in parentheses

1982-1983

Breast: 20.5 (20.7)
Cervix Uteri: 18.5 (17.8)
Oesophagus: 6.4 (7.5)
Ovary: 5.7 (5.8)
Mouth: 3.8 (4.2)
Stomach: 3.7 (4.4)
Lung: 2.5 (3.1)
Tongue: 2.2 (2.5)
Colon: 2.0 (2.4)
Corpus Uteri: 1.9 (2.1)

2004-2005

Breast: 28.8 (29.4)
Cervix Uteri: 13.2 (13.4)
Ovary: 6.3 (6.5)
Oesophagus: 3.4 (3.7)
Mouth: 3.3 (3.5)
Lung: 2.7 (3.0)
NHL: 2.6 (2.7)
Corpus Uteri: 2.6 (2.8)
Gallbladder: 2.5 (2.6)
Stomach: 2.3 (2.4)