



**icmr**  
INDIAN COUNCIL OF  
MEDICAL RESEARCH

**NCDIR**  
NATIONAL CENTRE FOR DISEASE  
INFORMATICS AND RESEARCH

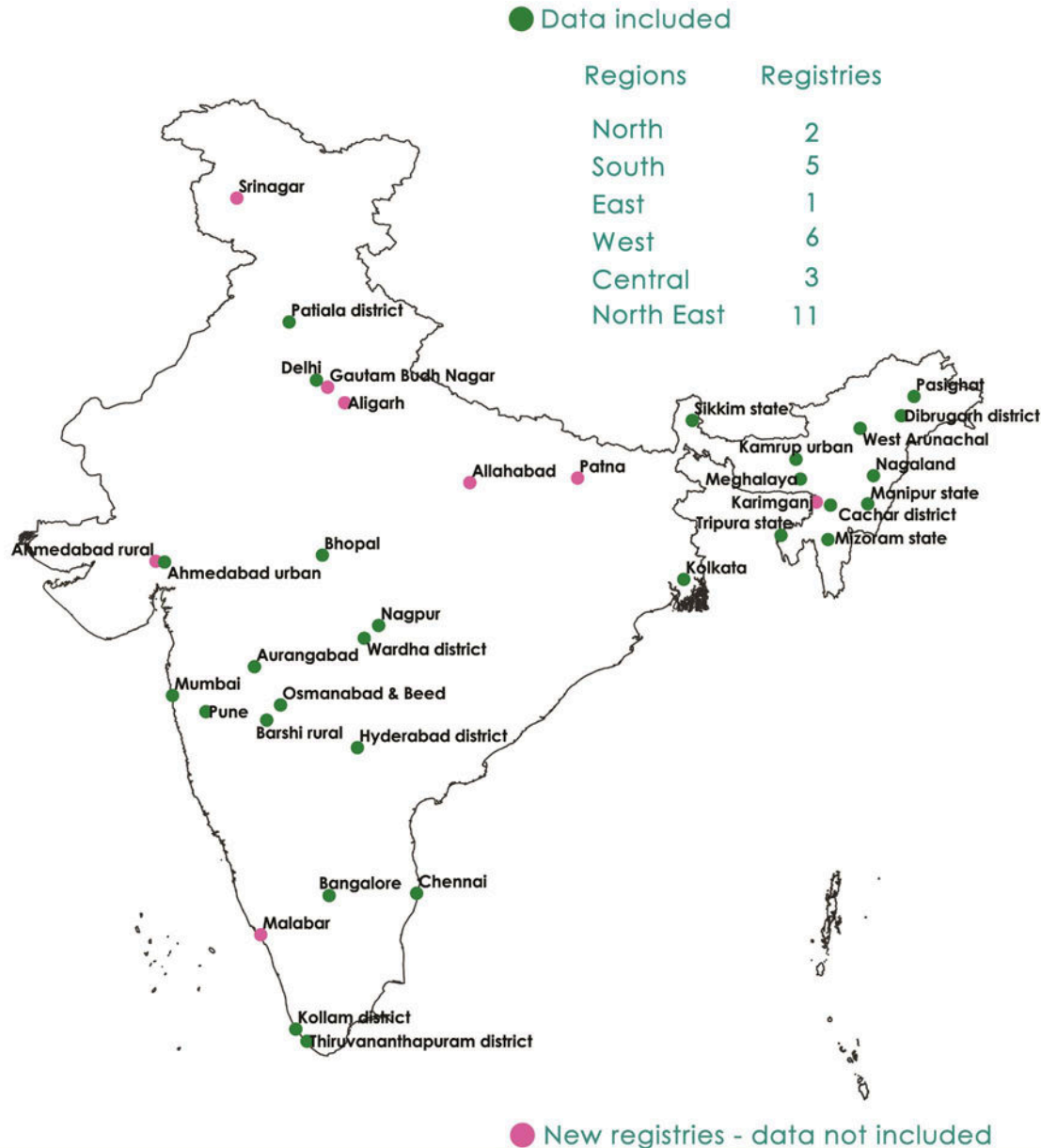
# Factsheet

## National Cancer Registry Programme 2020

NATIONAL  
**CANCER**  
REGISTRY PROGRAMME  
India



## Network of Population Based Cancer Registries



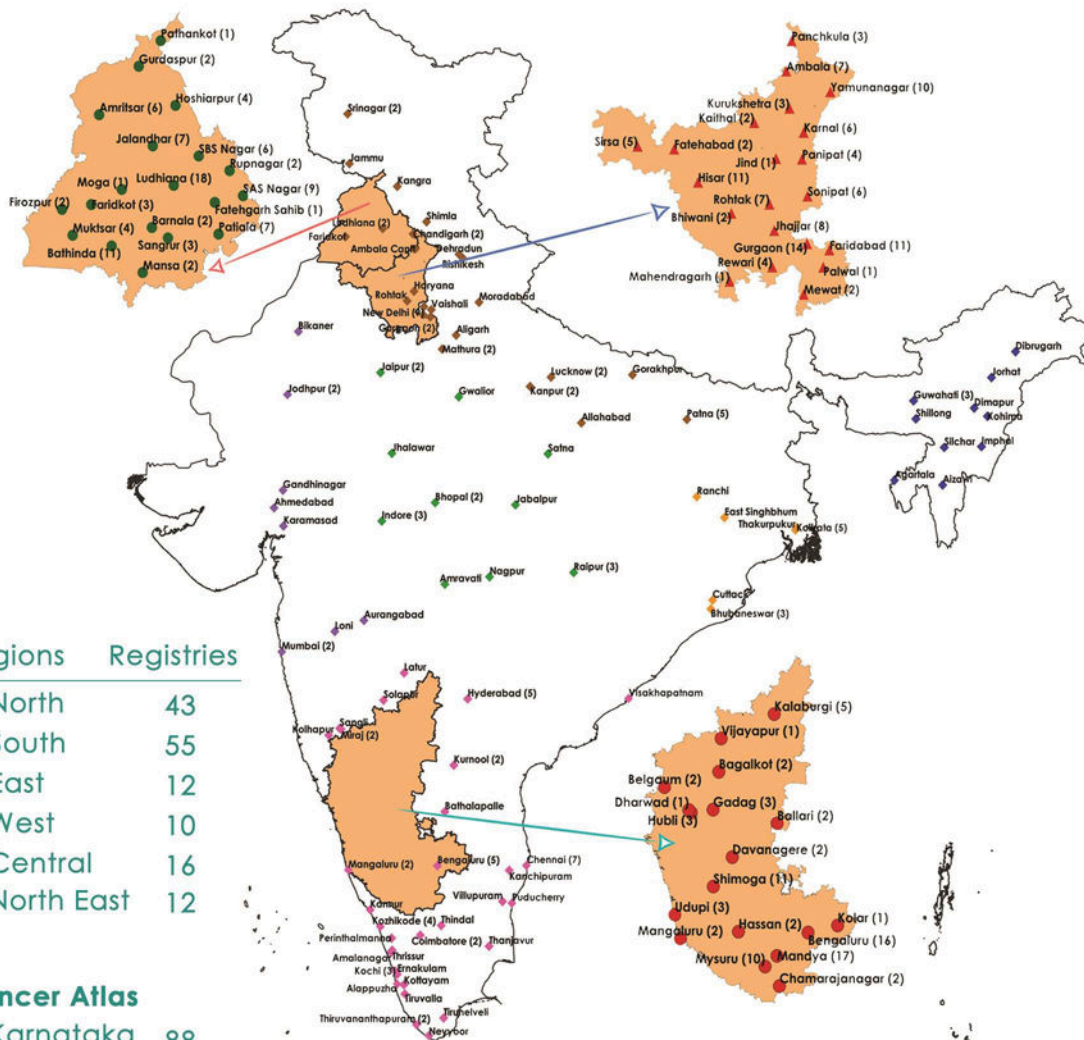
The National Cancer Registry Programme (NCRP) since 1982, has the coordinating unit at the Indian Council of Medical Research (ICMR) - National Centre for Disease Informatics and Research (NCDIR), Bengaluru. This report for 2012-2016 is based on the analysis of the data from 28 Population Based Cancer Registries (PBCRs) and 58 Hospital Based Cancer Registries (HBCRs). The registries have been categorized into 6 regions of the country.

The coding and classification of malignancies at NCRP follows International Statistical Classification of Diseases (10th revision) (ICD-10). The information on cancer is collected by the registries on a standard core form and is transmitted using in-house developed softwares provided by ICMR - NCDIR, Bengaluru.

This report provides information on cancer incidence, mortality, treatment and trends during the covered period. It addresses the need for cancer epidemiology, academics, research, policy making and program management towards prevention and control of cancer.

The data in this report pertain to the period 2012-2016.

## Network of Hospital Based Cancer Registries



### HBCR Included based on data completion 2012-2016

#### North

1. Postgraduate Institute of Medical Education and Research, Chandigarh
2. Dr. B.R. Ambedkar Institute Rotary Cancer Hospital, New Delhi
3. Indira Gandhi Institute of Medical Sciences, Patna
4. Sher-I-Kashmir Institute of Medical Sciences, Srinagar
5. Regional Cancer Centre, Indira Gandhi Medical College, Shimla
6. Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow
7. Max Super Speciality Hospital, New Delhi
8. Medanta Cancer Centre, Gurgaon
9. Fortis Memorial Research Institute, Gurgaon
10. Mahavir Cancer Sansthan and Research Centre, Patna
11. Pravara Rural Hospital & Rural Medical College, Loni
12. Max Super Speciality Hospital, PPG, Delhi
13. Asian Institute of Medical Sciences, Faridabad
14. BPS Government Medical College for Women, Khanpur Kalan, Sonapat, Haryana
15. Government Medical College, Jammu
16. Rajiv Gandhi Cancer Institute and Research Centre, New Delhi (2012-13)
17. Regional Cancer Centre Kamala Nehru Memorial Hospital, Allahabad

#### South

18. Amrita Institute of Medical Sciences and Research, Kochi
19. Vydehi Institute of Medical Sciences, Bengaluru
20. Regional Cancer Centre, Thiruvananthapuram
21. Cancer Institute (WIA), Chennai
22. Malabar Cancer Centre, Kannur
23. International Cancer Centre, Neyyoor
24. Kidwai Memorial Institute of Oncology, Bengaluru
25. Govt Arignar Anna Memorial Cancer Hospital & Research Institute, Kanchipuram
26. JIPMER, Regional Cancer Centre, Puducherry
27. Shakuntala Memorial Hospital & Research Centre, Hubli
28. Rural Development Trust, Bathalpalalle
29. SDM College of Dental Sciences and Hospital, Dharwad
30. Government Medical College, Thrissur
31. Father Muller Medical College Hospital, Mangalore
32. MES Medical College & Hospital, Perinthalmanna
33. St. Johns Medical Hospital, Bengaluru
34. Mandya Institute of Medical Sciences, Mandya
35. HCG NMR Cancer Centre, Hubli
36. Narayana Hrudayalaya Health City, Bengaluru
37. Erode Cancer Centre, Thindal, Erode
38. General Hospital, Ernakulam
39. Indo-American Cancer Institute & Research Centre, Hyderabad
40. HCG Bangalore Institute of Oncology, Bengaluru (2012-2013)
41. A.J. Hospital & Research Centre, Mangalore (2014-2015)

#### East

42. Acharya Harihar Regional Cancer Centre, Cuttack
43. Chittaranjan National Cancer Institute, Kolkata
44. Tata Medical Centre, Kolkata
45. Apollo Hospital, Bhubaneswar

#### West

46. Tata Memorial Hospital, Mumbai
47. The Gujarat Cancer & Research Institute, Ahmedabad

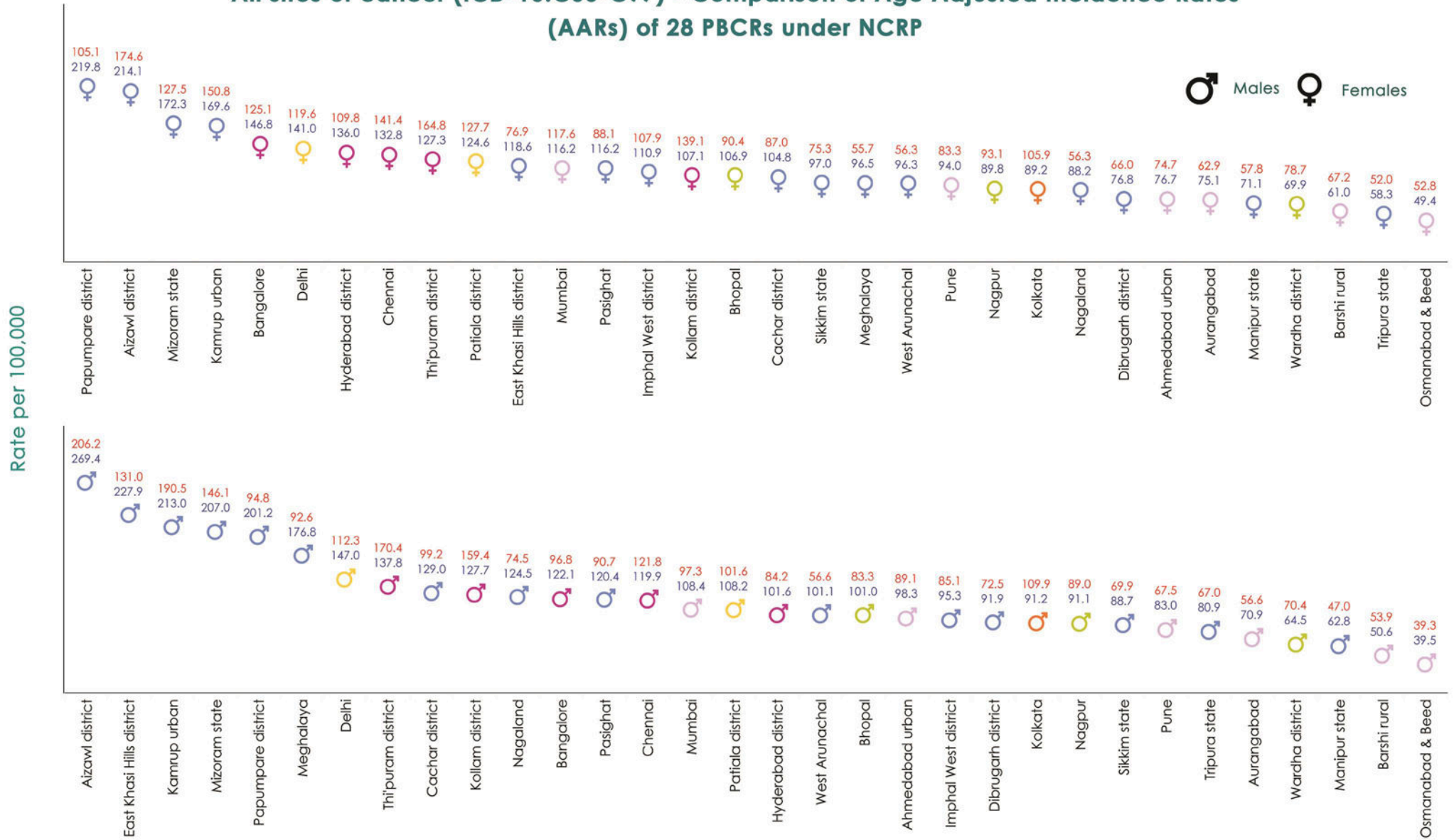
#### Central

48. Gandhi Medical College, Bhopal
49. Regional Cancer Centre, Raipur
50. RST Regional Cancer Hospital, Cancer Relief Society, Nagpur
51. Cancer Hospital & Research Institute, Gwalior

#### North East

52. Assam Medical College, Dibrugarh
53. Dr. B Borooah Cancer Institute, Guwahati
54. Cachar Cancer Hospital, Silchar
55. Mizoram State Cancer Institute (Civil Hospital), Aizawl
56. Regional Cancer Centre, Agartala
57. Regional Institute of Medical Sciences, Imphal
58. North east Cancer Hospital & Research Institute, Guwahati

### All sites of cancer (ICD-10:C00-C97) - Comparison of Age Adjusted Incidence Rates (AARs) of 28 PBCRs under NCRP

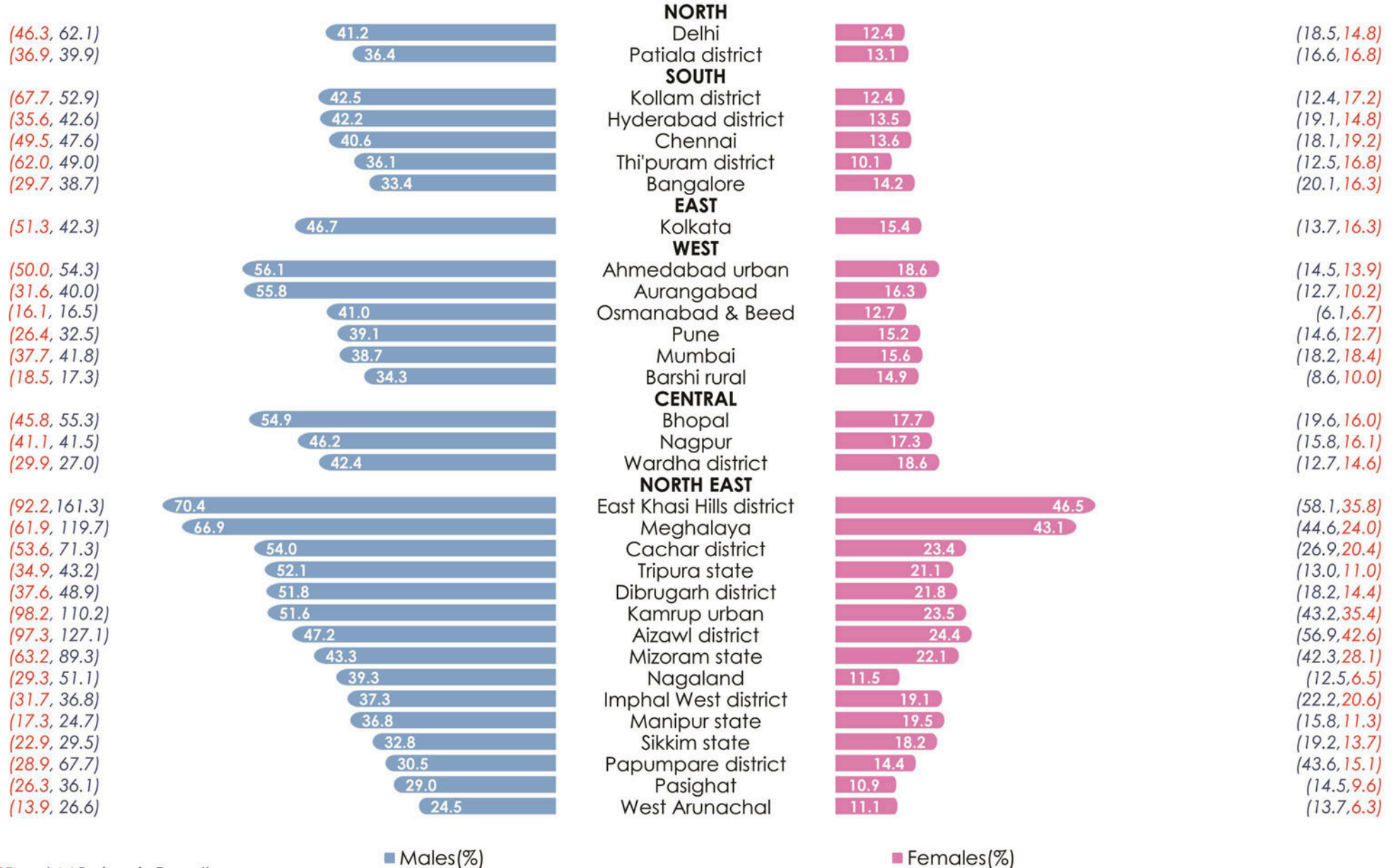


Crude Rate (CR)  
Age Adjusted Rate (AAR)

North South East West Central North East

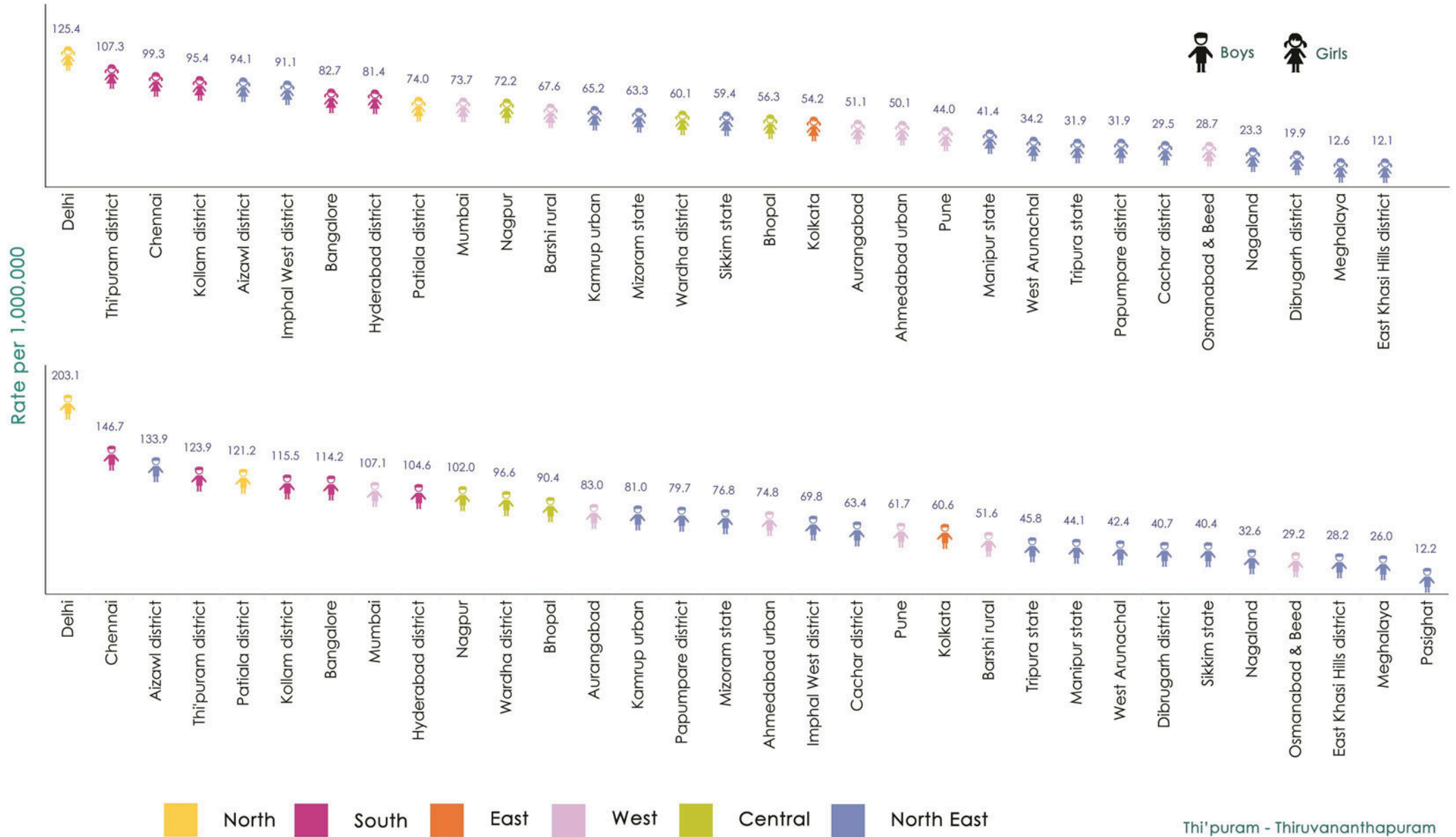
Thi'puram - Thiruvananthapuram

### Relative Proportion (%) of Cancer Sites Associated with the Use of Tobacco Relative to All Sites of Cancer in 28 PBCRs under NCRP

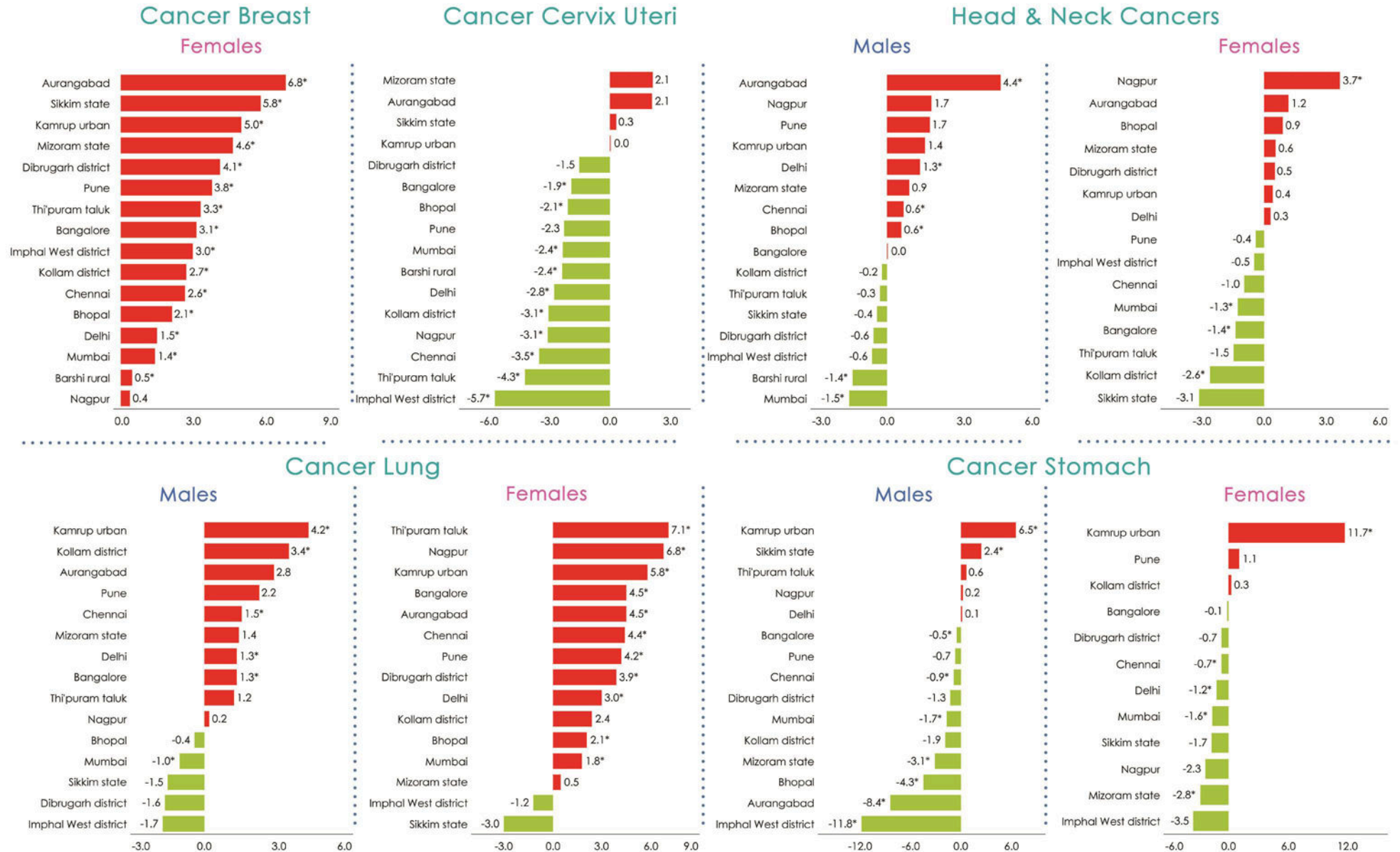


CR and AAR given in Parentheses

### All Types - Age Adjusted Incidence Rates (AAR Per Million) of Broad Types of Cancers in Childhood (0-14 Age Group)

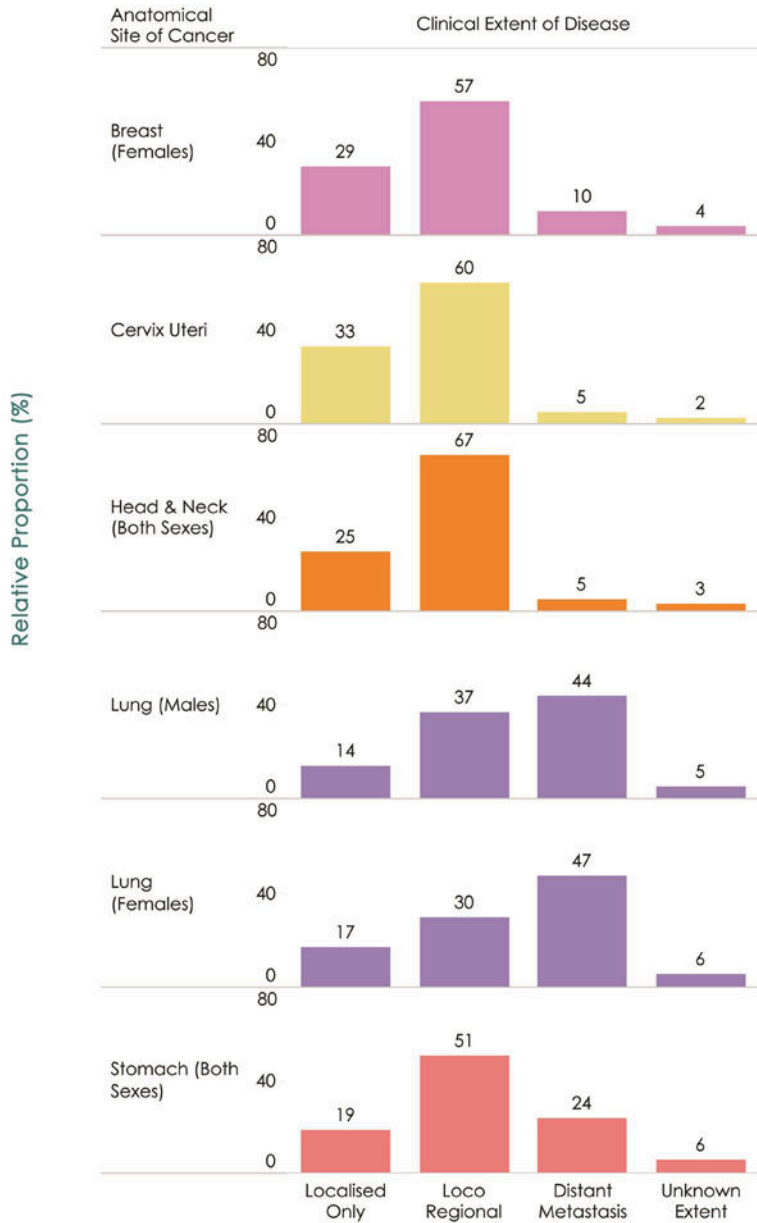


## Annual Percentage Change (APC) in Age Adjusted Incidence Rates (AAR) for Selected Sites of Cancer in Selected PBCRs Over a Period of Time

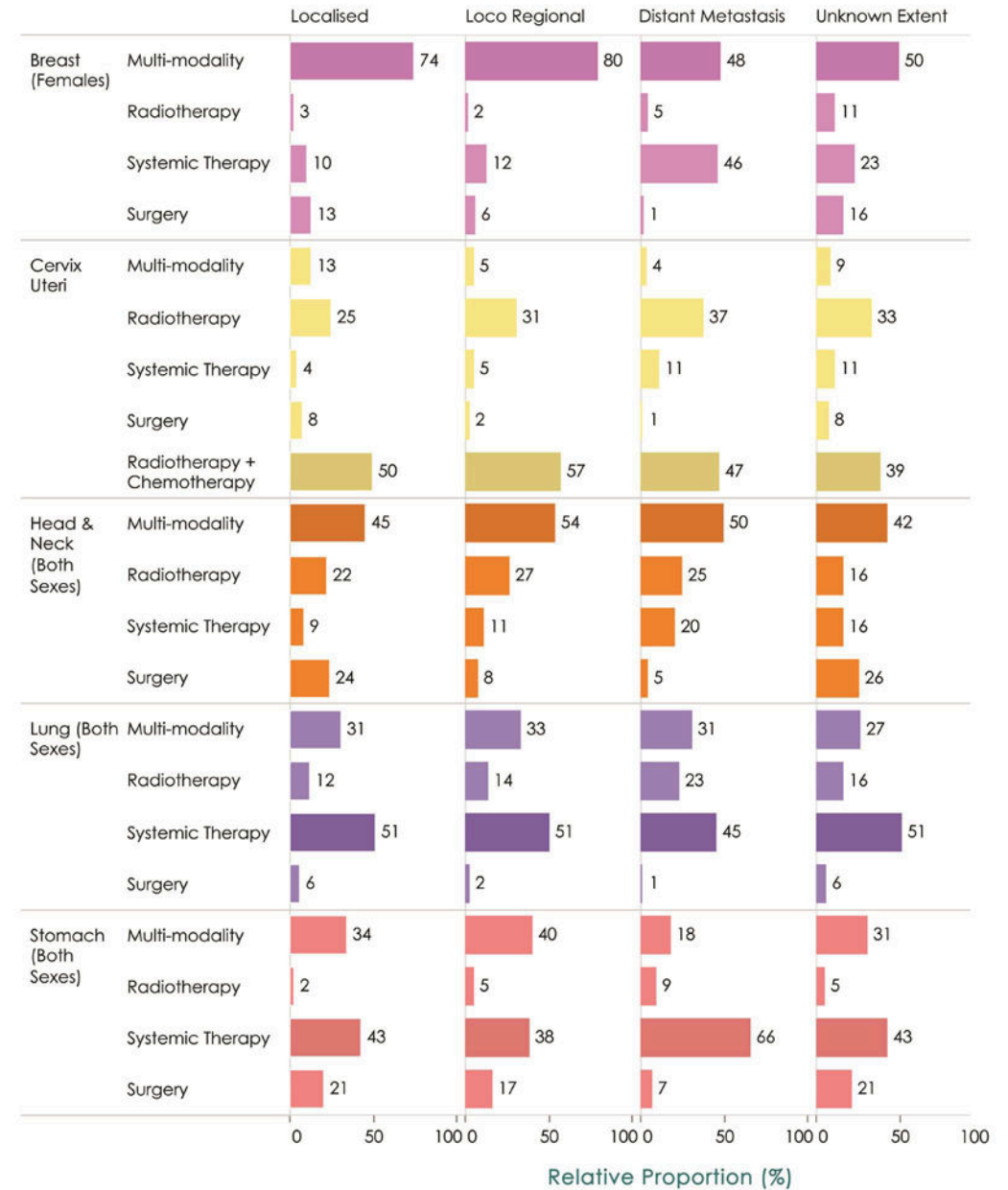


Annual Percentage Change (%) - Increase in APC, Decrease in APC ; \* Significant increase or decrease in APC at 95% confidence level

### Clinical Extent of Disease for Selected Anatomical Sites of Cancer (%) in 58 HBCRs

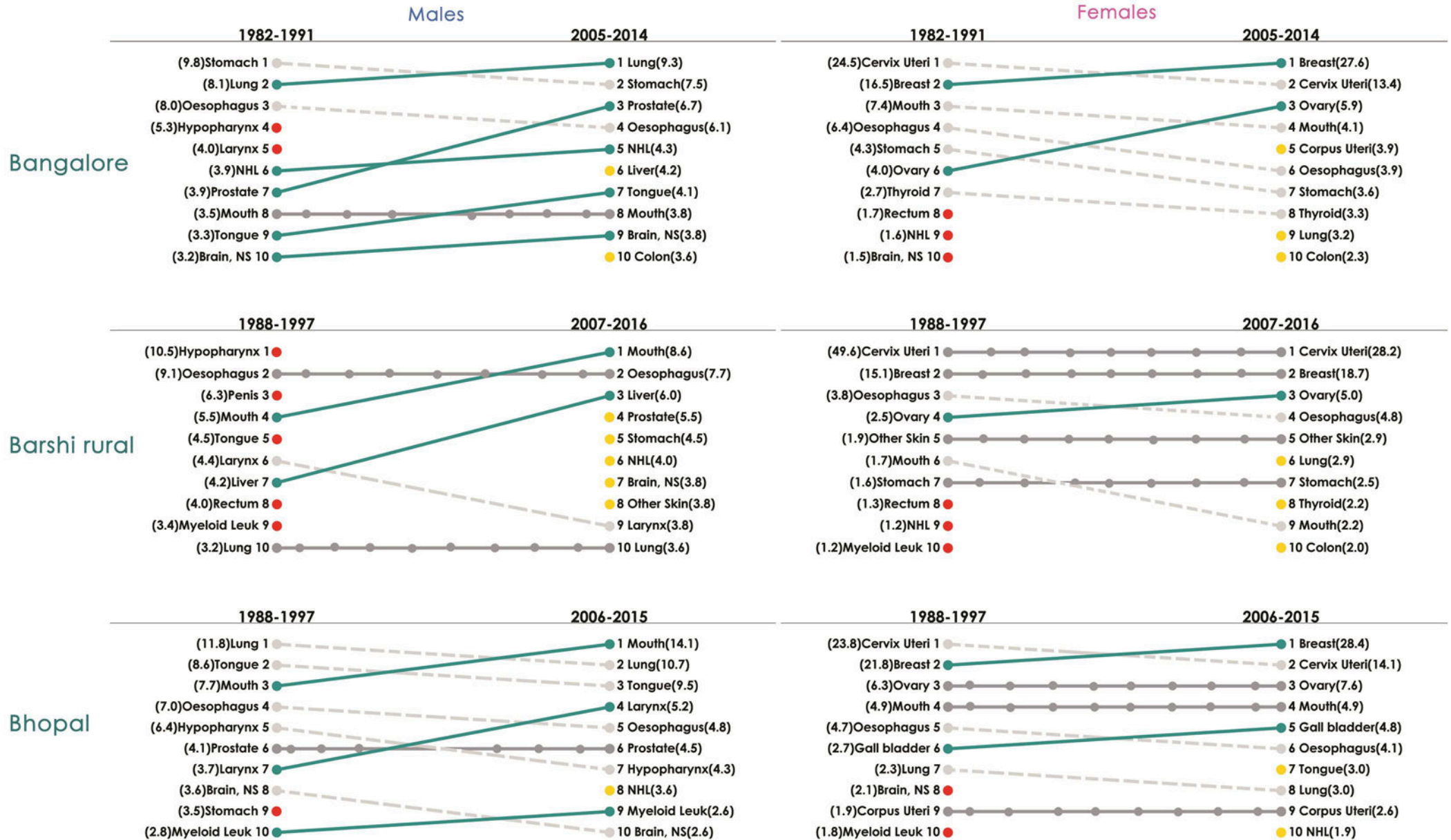


### Types of Treatment According to Clinical Extent of Disease for Selected Anatomical Sites of Cancer (%) in 58 HBCRs





## Changes in Ten Leading Sites (%) for Six Selected PBCRs (1982 - 2016)



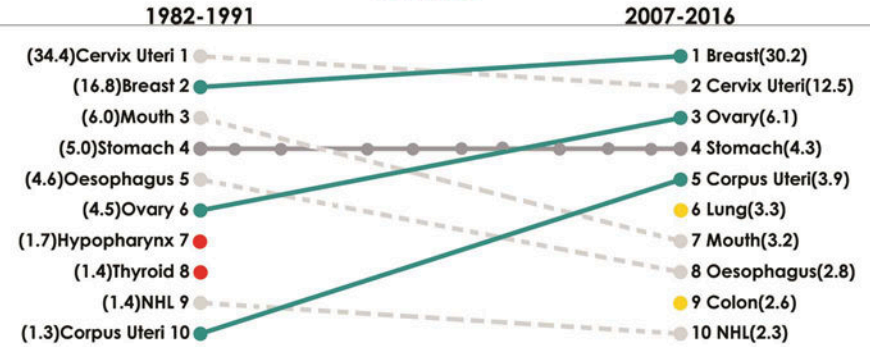
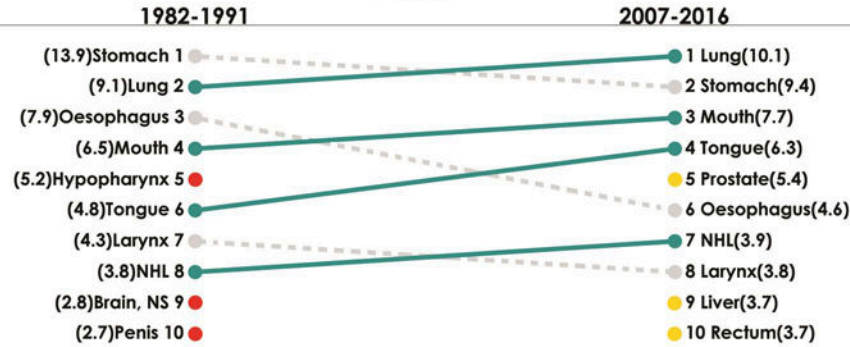
(%), Anatomical site of cancer, Rank

### Changes in Ten Leading Sites (%) for Six Selected PBCRs (1982 - 2016)

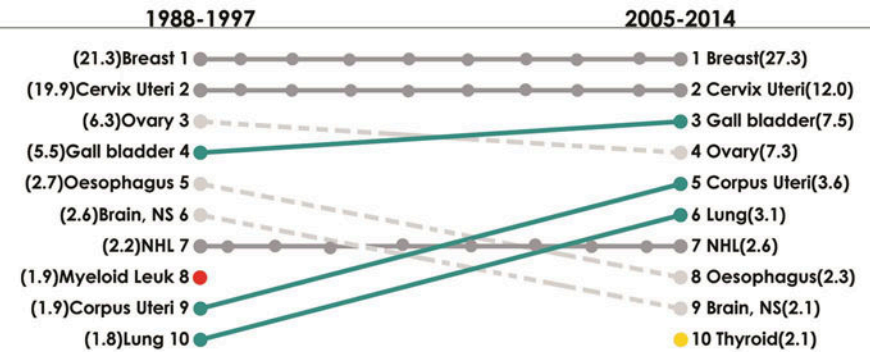
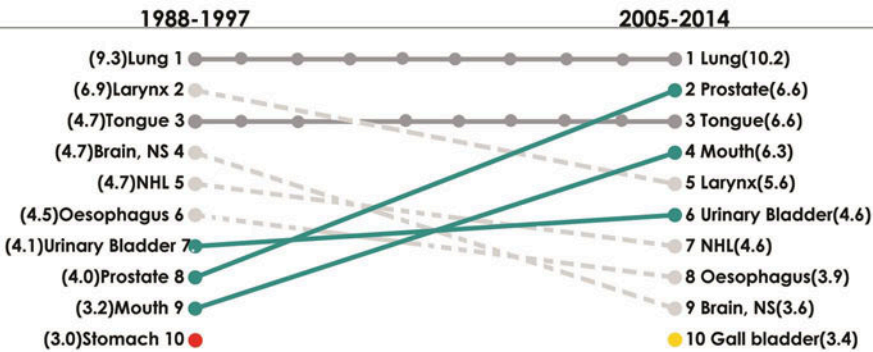
Chennai

Males

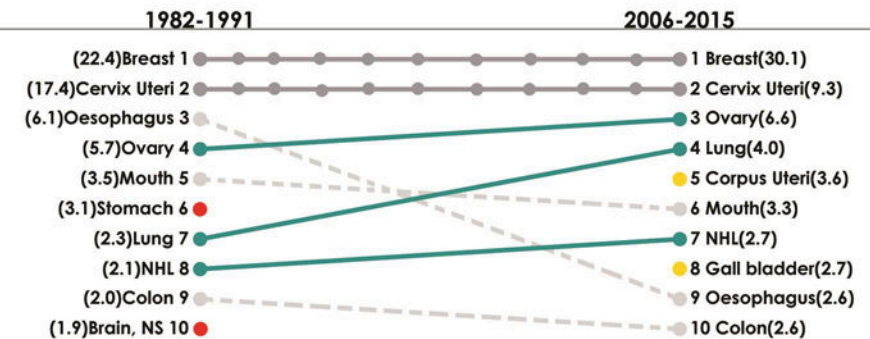
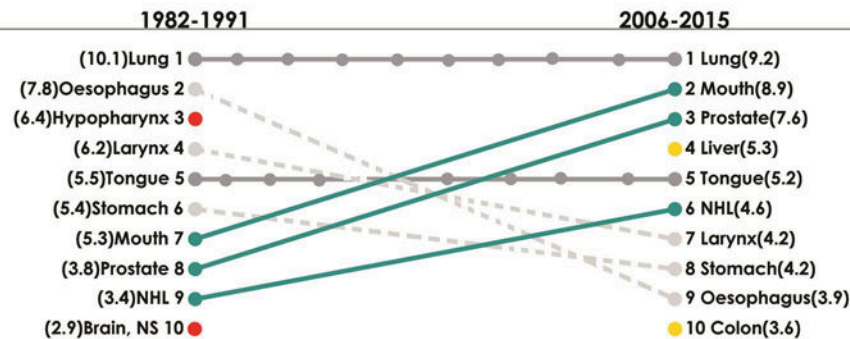
Females



Delhi



Mumbai

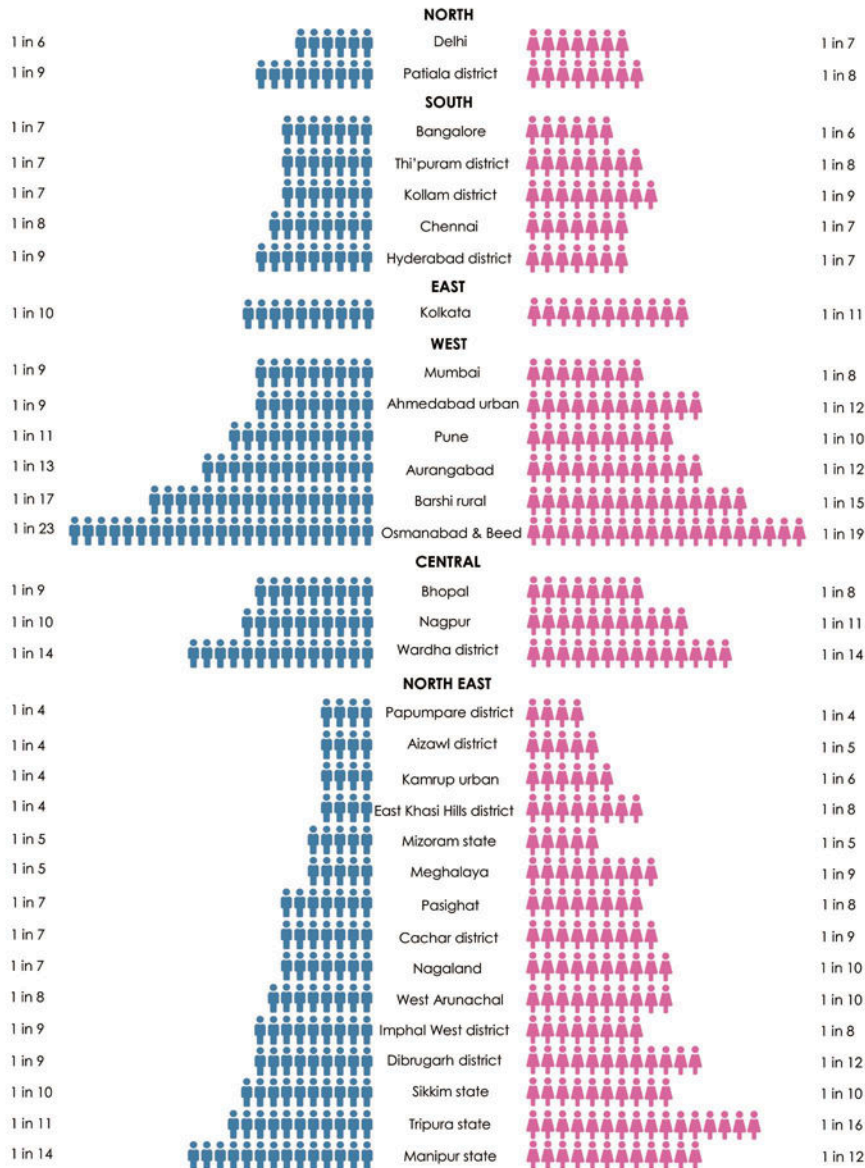


(%), Anatomical site of cancer, Rank

## Cumulative Risk of developing Cancer of Any Site in 0-74 years of Age in 28 PBCRs under NCRP

Males

Females



## Projection of Cancer Burden by Broad Anatomical Sites for Both Sexes- 2020 and 2025

Broad Anatomical Sites of Cancer	2020	2025
All Sites	1392179	1569793
Tobacco Related Cancers	377830	427273
Gastro Intestinal Tract	273982	310142
Breast	205424	232832
Cervix Uteri	75209	85241
Corpus Uteri and Ovary	70400	79765
Lymphoid & Haematopoietic Malignancies	124931	138592
Prostate	41532	47068
Central Nervous System	32729	36258

# Impacting NCD Public Health Actions and Policies

## Collaborate Innovate Inspire

### **ICMR - National Centre for Disease Informatics and Research**

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