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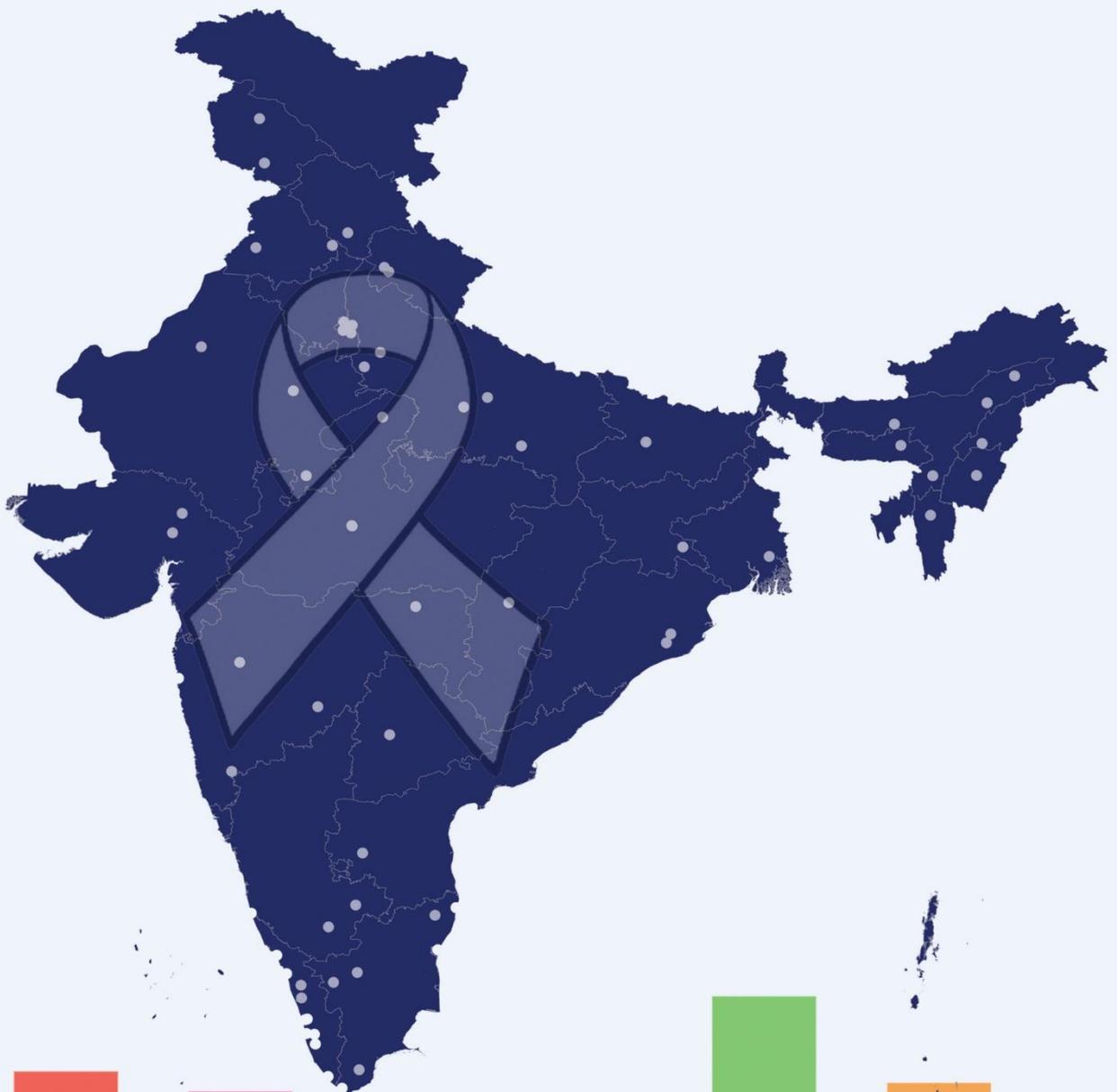
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# Clinicopathological Profile of Cancers in India: A Report of the Hospital Based Cancer Registries, 2021

## National Cancer Registry Programme





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**Clinicopathological Profile of Cancers in India:  
A Report of the Hospital Based Cancer Registries,  
2021**

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## Preface

We are pleased to bring out 'Clinicopathological Profile of Cancers in India: A Report of the Hospital Based Cancer Registries, 2021'. The report is commensurate with the broad mission of ICMR-NCDIR to support cancer surveillance and improve disease outcomes through the National Cancer Registry Programme (NCRP).

This report is based on the analysis of cancer cases reported from 96 hospitals throughout India for eight years (2012-2019). The first section of the report gives a collective description of cancer cases in terms of distribution across reporting hospitals, occurrence in sites associated with tobacco use and childhood cancers. A detailed anatomic site wise clinical description for eight systems/specific organ are covered in the subsequent section. There is a dedicated chapter on reproductive cancers, including breast cancer in women. An attempt has been made to keep the report concise yet descriptive through many graphics and tables that are self-explanatory. The salient findings are highlighted in the form of key points at the end of each chapter.

The report shall be of much interest to clinicians, pathologists, epidemiologists, academicians, researchers, students, and everyone engaged in cancer care and research. The results presented in this all-inclusive report will broaden the reader's understanding of the clinical details of different cancers. We hope it will help to scale up and sustain robust cancer care in India.

We thank all the investigators and staff of the cancer registries, the scientific, technical and administrative contributions of concerned.

  
Prashant Mathur

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## Foreword

Cancer registries form an essential part and fundamental basis for cancer-directed control measures in the country. The National Cancer Registry Programme (NCRP) of the Indian Council of Medical Research has played a crucial role in cancer surveillance in India since 1981 through a network of 269 Hospital-based and 38 Population-based cancer registries (HBCRs' and PBCRs).

The report 'Clinicopathological Profile of Cancers in India: A Report of the Hospital Based Cancer Registries, 2021' covers data compiled from 96 Hospital Based Cancer Registries for the time period 2012 to 2019. This report gives a comprehensive overview of cancer case distribution reported from the participating hospitals and cancers in sites associated with tobacco use. A prime feature is the anatomic site-wise description of cancers in terms of the relative proportion to all sites, age distribution, basis of diagnosis, the clinical extent of disease, treatment modalities and treatment waiting time.

Health planners and relevant stakeholders can use it to plan and implement good quality cancer care services by a better understanding of the frequency of cancer types and current scenario of treatment modalities. Such information will help contribute to patient care by providing readily available clinical details and current cancer treatment trends. I anticipate that the report findings will strengthen health systems and enhance cancer care services in the country.

Dr G.K.Rath

  
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**Secretary to the Government of India**

Department of Health Research  
Ministry of Health & Family Welfare &  
**Director-General, ICMR**



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## MESSAGE

I am pleased that the ICMR-National Center for Disease Informatics and Research (NCDIR), Bengaluru has prepared a report on "Clinicopathological Profile of Cancers in India: A Report of the Hospital Based Cancer Registries, 2021".

It is a detailed report on various aspects on cancer management from 96 hospitals across the country, in both public and private sector. It provides useful data to identify gaps in diagnosis, referral and cancer directed treatment. Useful steps taken to streamline cancer referral and treatment to tertiary hospitals will reflect in better outcomes and optimal use of resources. The results shall help in strengthening efforts towards Universal Health Coverage and its related activities.

I congratulate all the HBCR investigators and staff, the scientists and technical staff at ICMR-NCDIR for their valuable contribution. I look forward to this report being utilised to improve cancer patient care.

*Balram Bhargava*

(Balram Bhargava)

## Acknowledgement

It is an immense pleasure to bring out the report entitled 'Clinicopathological Profile of Cancers in India: A Report of the Hospital Based Cancer Registries, 2021', which has been made possible by the valuable contribution of several persons.

First and foremost, we would like to thank the cancer patients whose data were included in the report. We acknowledge the tireless efforts of the registry investigators and staff for the daunting task of compiling patient data from various hospital departments. We would also like to thank the hospital staff for their support in providing the required data.

We want to thank our experts and reviewers on cancer and investigators for giving their valuable time and critically reviewing the report's chapters.

We are very much indebted to Prof Balram Bhargava for his visionary guidance for achieving optimal scientific outputs through the research activities at ICMR.

We want to thank our Director, Dr Prashant Mathur, for motivating us to develop scientific thinking and skills and facilitating the timely preparation of this report.

This passage would not be complete without acknowledging the vital and supportive role of the scientific and technical staff of NCDIR. They include, Dr. Ranjith Viswanath , Dr Bhavani C, Dr. Shubhra Singh, Dr Prachi Phadke, Mr Monesh B Vishwakarma, Mr Velidi Ramesh, Ms. Gurpreet Kaur Rajput, Mr. Solomon T, Mr. Vijay Kumar DD, Mr. Seelam Rajesh, Ms. Vyshnavi B P, Mr. Saravananaraj K and Mr. Keerthan. The support and facilitation of the administrative and finance staff at NCDIR is duly acknowledged.

We express our gratitude to ICMR and the Ministry of Health & Family Welfare for providing financial support for the Hospital Based Cancer Registries.

We hope that this report will be widely used to improve cancer care and survival in India.



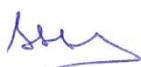
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