

THE INDIA HEALTH INFORMATICS PROJECT

**REPORT VI: Cancer in India – Estimating
the burden of the scourge**

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**Authored by: Dr. Rohan D'Souza
Company: MedTive**



कर्क रेखा

TROPIC OF CANCER

Democratizing Health Informatics in India

If you work in healthcare, you would know how difficult it is to source reliable data. Whether you're a student working on a project or a thesis, or a clinician or a researcher working on a manuscript or even a Marketer or industry professional exploring market opportunities. This is a problem we have faced inextricably over the years. Data in India exists in silos across the web and tends to get lost in clunky websites making it close to impossible to dig out. My objective is to put together these various databases and create a [centralized go-to healthcare repository](#). This is the first of a series of documents. In essence, I hope to socialise the platforms we have used for secondary research in the past, in the hope that it eases the access to data for anyone working in healthcare.

Cancer has overtaken cardiovascular disease in terms of epidemiology worldwide and the trend has not been too dissimilar in India as well. The cancer burden in India has more than doubled in the last 30 years. This is the highest increase among all therapy areas, with breast cancer being the most common among Indian women, according to a recent report. As per the Indian Council of Medical Research (ICMR) data, India had 1,400,000 cancer patients in 2016 and this number has risen every year since. The government has laid down four priority cancers which together constitute 41 per cent of cancer burden which include breast cancer, cervical cancer, oral cancer, and lung cancer.

This report covers the various sources of data and statistics you might need regarding the various types of cancer in India. This includes state-wise, cancer-wise statistics as well as other parameters including share of hospitalizations and hospital expense due to cancer. I hope you find this useful!

-Rohan D'Souza



About The Author

Dr. Rohan D'Souza is a clinician trained at St. John's National Academy of Health Sciences, Bangalore. He has encapsulated varied experiences across healthcare in Clinical Medicine, Unmet Need Research, Pharmaceuticals, Medical Devices, InsureTech and Health Policy with organizations such as Pfizer, The Lemelson Foundation and InnAccel Technologies. He is the co-Founder of Medtive Technologies, a medical device company, and Lyfgrid, a start-up building a community around genetic diseases and neurodevelopmental disorders. He nurtures an ambition to integrate these experiences and transform healthcare by enabling access to value-based care, at the intersection of Medicine and Technology in India. He is an incoming dual degree candidate, MBA & Masters in Public Health, at the UC Berkeley Haas School of Business and Berkeley School of Public Health (2019-2021).

[My Website](#) | [LinkedIn](#) | [TEDx Talk](#) | [ResearchGate](#) | [Unmet MedTech Needs Database](#) | [Medtive](#)

	Report/Source Name	Source & Link
1	Cancer burden India	WHO
2	Cancer India 2015	WHO
3	Cancer in India 2018	Globocan
4	Breast Cancer	ICMR
5	Buccal Cancer	ICMR
6	Cervical Cancer	ICMR
7	Colorectal Cancer	ICMR
8	Esophageal Cancer	ICMR
9	Gastric Cancer	ICMR
10	Gall Bladder Cancer	ICMR
11	Larynx and hypopharynx Cancer	ICMR
12	Multiple Myeloma	ICMR
13	Non-Hodgkin's Lymphoma	ICMR
14	Pediatric Lymphomas and High Grade Cancers	ICMR
15	Soft Tissue Sarcomas and Osteosarcomas	ICMR
16	Tongue Cancer	ICMR
17	Cancer by State and district	Cancer Atlas India
18	Population based Cancer Registry	National Centre for Disease Informatics and Research
19	Consolidated Report of Hospital Based Cancer Registries 2012-2014	ICMR
20	Cancer Related reports	ICMR
21	Brain and CNS Cancers	Lancet
22	Epidemiology of cervical cancer with special focus on India	International Journal of Women's Health
23	Common genetic variation and risk of gallbladder cancer in India	Lancet
24	Global Cancer Statistics 2012	Wiley
25		
26	Prevalence of triple negative breast cancer in India	ASCO
27	Oral Cancer in India	Journal of cancer epidemiology
28	Cancer statistics in India (Breast, cervical, oral)	National Institute of Cancer Prevention Research
29	Smoking and death in India	New England Journal of Medicine
30	Cancer mortality in India 2012	Lancet
31	Cancer incidence and mortality worldwide: sources, methods and major patterns in GLOBOCAN 2012.	International Journal of Cancer
32	3- year report of population based cancer registries	National Cancer Registry Programme

33	NCRP Annual reports (trends based on age, geographies, cancer types etc.)	National Cancer Registry Programme
34	Cervical cancer in India and HPV vaccination	Indian Journal of Medical and Pediatric Oncology
36	Chronic disease indices in India	Brookings
37	Health in India - An Overview (Hospitalizations & Expenses for cancer patients)	Ministry of Statistics and Programme Implementation
38	State Disease burden profile from 1990 to 2016 - Assam	ICMR
39	State Disease burden profile from 1990 to 2016 - Bihar	ICMR
40	State Disease burden profile from 1990 to 2016 – Chhattisgarh	ICMR
41	State Disease burden profile from 1990 to 2016 – Delhi NCT	ICMR
42	State Disease burden profile from 1990 to 2016 – Goa	ICMR
43	State Disease burden profile from 1990 to 2016 – Gujarat	ICMR
44	State Disease burden profile from 1990 to 2016 – Haryana	ICMR
45	State Disease burden profile from 1990 to 2016 – Himachal Pradesh	ICMR
46	State Disease burden profile from 1990 to 2016 – Jammu and Kashmir	ICMR
47	State Disease burden profile from 1990 to 2016 – Jharkhand	ICMR
48	State Disease burden profile from 1990 to 2016 – Karnataka	ICMR
49	State Disease burden profile from 1990 to 2016 – Kerala	ICMR
50	State Disease burden profile from 1990 to 2016 – Madhya Pradesh	ICMR
51	State Disease burden profile from 1990 to 2016 – Maharashtra	ICMR
52	State Disease burden profile from 1990 to 2016 – Manipur	ICMR
53	State Disease burden profile from 1990 to 2016 – Meghalaya	ICMR
54	State Disease burden profile from 1990 to 2016 – Mizoram	ICMR
55	State Disease burden profile from 1990 to 2016 – Nagaland	ICMR
56	State Disease burden profile from 1990 to 2016 – Punjab	ICMR
57	State Disease burden profile from 1990 to 2016 – Rajasthan	ICMR
58	State Disease burden profile from 1990 to 2016 – Sikkim	ICMR
59	State Disease burden profile from 1990 to 2016 – Tamil Nadu	ICMR
60	State Disease burden profile from 1990 to 2016 – Telangana	ICMR
61	State Disease burden profile from 1990 to 2016 – Tripura	ICMR
62	State Disease burden profile from 1990 to 2016 – Uttar Pradesh	ICMR
63	Oral Cancer in India	Journal of cancer epidemiology
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70	Cancer Related reports	ICMR
71	Cancer by State and district	Cancer Atlas India

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