

Section I

A. Number and Relative Proportion of New Cases Reported in HBCRs

Section I: A. Number and Relative Proportion of New Cases reported in Hospital Based Cancer Registries

Hospital Based Cancer Registries (HBCRs) are mainly involved in collecting, compiling and organizing information on cancer patients diagnosed and/or treated in a medical institution. They serve the needs of the hospital administration, the hospital's cancer programme, and above all, the individual patient. Furthermore, HBCR data register information of cancer patients irrespective of their residential status and give vital information to the individual hospital administration of all the patients that visit the concerned hospital running the Hospital Based Cancer Registry.

Out of 269 HBCR centres registered under the NCRP, 96 HBCRs were selected which had completed data transmission and quality checks for one or more years during the period 2012-2019 for inclusion in the report. All the new cancer cases registered from government hospitals, private hospitals, medical colleges and multi-speciality hospitals which mainly cater to cancer patients, were used for analysis. The 96 HBCRs' were distributed according to their location according to six regions of the country- North, South, East, West, Central and North East.

Table A: Number (n) and Relative Proportion (%) of New Cases reported in 96 HBCRs under NCRP

Sl No	Registry (Period)	Males		Females		Total
		n	%	n	%	N
North						
1	Dr. B.R. Ambedkar Institute Rotary Cancer Hospital, New Delhi (2012,2014-2017)	25600	55.6	20437	44.4	46037
2	PGIMER, Chandigarh (2012-2018)	24397	55.5	19568	44.5	43965
3	Mahavir Cancer Sansthan and Research Centre, Patna (2015-2018)	17658	46.5	20304	53.5	37962
4	Regional Cancer Centre Kamala Nehru Memorial Hospital, Prayagraj (2014-2019)	14619	51.6	13706	48.4	28325
5	Sher-I-Kashmir Institute of Medical Sciences, Srinagar (2012-2018)	13721	57.8	10014	42.2	23735
6	Rajiv Gandhi Cancer Institute and Research Centre, New Delhi (2012-2013,2017)	12887	56.4	9966	43.6	22853
7	Indira Gandhi Institute of Medical Sciences, Patna (2014-2018)	9586	51.9	8899	48.1	18485
8	Max Super Speciality Hospital, New Delhi (2013-2019)	9163	50.3	9056	49.7	18219
9	Fortis Memorial Research Institute, Gurugram (2014-2018)	9837	55.0	8035	45.0	17872
10	Medanta Cancer Centre, Gurugram (2012-2019)	7688	57.5	5684	42.5	13372
11	Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow (2014-2019)	7159	55.3	5786	44.7	12945

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12	Acharya Tulsi Regional Cancer Treatment and Research Institute, Bikaner (2018-2019)	6258	60.7	4055	39.3	10313
13	Government Medical College, Jammu (2014-2019)	5645	56.0	4440	44.0	10085
14	King George Medical University, Lucknow (2018-2019)	5796	59.1	4007	40.9	9803
15	Regional Cancer Centre Indira Gandhi Medical College, Shimla (2014-2018)	5133	53.4	4482	46.6	9615
16	J K Cancer Institute, Kanpur (2018-2019)	5801	62.9	3423	37.1	9224
17	Bhagwan Mahaveer Cancer Hospital and Research Centre, Jaipur (2018)	3819	58.8	2680	41.2	6499
18	Max Super Speciality Hospital, PPG, New Delhi (2015-2018)	2752	47.4	3052	52.6	5804
19	J.N. Medical College & Hospital, Aligarh (2018-2019)	3297	57.7	2416	42.3	5713
20	All India Institute of Medical Sciences, Rishikesh (2018-2019)	2989	59.8	2012	40.2	5001
21	Asian Institute of Medical Sciences, Faridabad (2016-2018)	2091	55.3	1688	44.7	3779
22	Max Super Speciality Hospital, Vaishali (2018-2019)	1523	48.1	1643	51.9	3166
23	Government Medical College and Hospital, Chandigarh (2017-2018)	1467	51.4	1386	48.6	2853
24	Institute of Liver and Biliary Sciences, New Delhi (2017-2018)	1178	70.5	493	29.5	1671
25	Cancer Research Institute - Himalayan Institute Hospital Trust, Dehradun (2016-2018)	1348	55.6	1076	44.4	2424
26	Max Super Speciality Hospital, Shalimar Bagh, New Delhi (2015,2017-2018)	705	44.9	865	55.1	1570
27	Guru Gobind Singh Medical College, Faridkot (2018)	459	40.2	682	59.8	1141
28	Jhalawar Medical College and SRG hospital, Jhalawar (2019)	139	54.1	118	45.9	257
29	Nayathi Health Care, Mathura (2018)	163	65.7	85	34.3	248
East						
30	Acharya Harihar Regional Cancer Centre, Cuttack (2015-2019)	9550	45.7	11361	54.3	20911
31	Chittaranjan National Cancer Institute, Kolkata (2016-2018)	8113	52.4	7381	47.6	15494
32	Tata Medical Center, Kolkata (2015-2017)	7460	52.8	6663	47.2	14123
33	All India Institute of Medical Sciences, Bhubaneswar (2018-2019)	2979	56.1	2331	43.9	5310
34	Meherbai Tata Memorial Hospital, East Singhbhum (2017-2018)	2017	45.5	2419	54.5	4436
35	Apollo Hospital, Bhubaneswar (2012-2019)	1159	61.3	731	38.7	1890
36	Peerless Hospitex Hospital and Research Center Limited, Kolkata (2017-2018)	599	57.1	450	42.9	1049
West						
37	Tata Memorial Hospital, Mumbai (2012-2014,2017,2018)	81588	57.0	61597	43.0	143185
38	The Gujarat Cancer & Research Institute, Ahmedabad (2014-2019)	68365	61.0	43652	39.0	112017
39	Kolhapur Cancer Centre, Kolhapur (2014,2017-2019)	4870	49.6	4948	50.4	9818
40	Apollo CBCC Cancer Care, Gandhinagar (2017-2019)	4614	63.6	2636	36.4	7250

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		n	%	n	%	N
41	Pravara Rural Hospital & Rural Medical College, Loni (2012,2016-2019)	1725	43.4	2246	56.6	3971
42	Vivekananda Cancer Hospital, Latur (2018-2019)	642	53.6	555	46.4	1197
43	Kokilaben Dhirubhai Ambani Hospital & Medical Research Institute, Mumbai (2018)	422	48.0	457	52.0	879
South						
44	Regional Cancer Centre, Thiruvananthapuram (2012-2019)	48245	49.1	49979	50.9	98224
45	Cancer Institute (WIA), Chennai (2012-2018)	29428	47.4	32599	52.6	62027
46	Kidwai Memorial Institute of Oncology, Bengaluru (2012-2017)	22913	44.8	28189	55.2	51102
47	Indo-American Cancer Institute & Research Centre, Hyderabad (2012,2017-2018)	11683	42.8	15630	57.2	27313
48	Amrita Institute of Medical Sciences & Research Centre, Kochi (2012-2018)	15057	55.8	11921	44.2	26978
49	Malabar Cancer Centre, Kannur (2012-2018)	12566	53.8	10804	46.2	23370
50	JIPMER, Regional Cancer Centre, Puducherry (2014-2017)	7681	43.5	9957	56.5	17638
51	Vydehi Institute of Medical Sciences, Bengaluru (2012-2018)	6623	53.6	5727	46.4	12350
52	Govt Arignar Anna Memorial Cancer Hospital & Research Institute, RCC, Kanchipuram (2014-2019)	3646	37.5	6065	62.5	9711
53	Government Medical College, Thrissur (2014,2017-2018)	5312	55.5	4263	44.5	9575
54	Narayana Hrudayalaya Health City, Bengaluru (2016-2019)	3988	55.7	3176	44.3	7164
55	St. Johns Medical Hospital, Bengaluru (2013-2019)	3629	51.1	3476	48.9	7105
56	MNJ Institute of Oncology and Regional Cancer Centre, Hyderabad (2017)	3032	47.1	3412	52.9	6444
57	Caritas Cancer Institute - Caritas Hospital, Kottayam (2013-2015)	2178	46.9	2470	53.1	4648
58	Lakeshore Hospital and Research Centre Ltd., Kochi (2012,2015-2017)	2257	49.8	2272	50.2	4529
59	Father Muller Medical College Hospital, Mangaluru (2016-2019)	1819	44.2	2294	55.8	4113
60	International Cancer Centre, Neyyoor (2012-2018)	1832	46.7	2093	53.3	3925
61	KMC Hospital, Mangaluru (2015-2018)	2022	52.0	1868	48.0	3890
62	Madras Cancer Care Foundation, Chennai (2013-2019)	1334	38.0	2175	62.0	3509
63	Government Royapettah Hospital, Chennai (2017-2018)	1503	43.9	1923	56.1	3426
64	Kovai Medical Centre and Hospital, Coimbatore (2017-2018)	1591	47.7	1741	52.3	3332
65	Nizams Institute of Medical Sciences, Hyderabad (2017)	1816	56.4	1402	43.6	3218
66	General Hospital, Ernakulam (2017-2018)	1598	51.7	1494	48.3	3092
67	MVR Cancer Center and Research Institute, Kozhikode (2018)	1567	51.4	1480	48.6	3047
68	Baby Memorial Hospital Ltd., Kozhikode (2017-2019)	1558	51.1	1488	48.9	3046
69	Government Stanley Medical College, Chennai (2017-2019)	1619	53.4	1410	46.6	3029
70	Rural Development Trust, Bathalapalle (2012-2019)	709	24.4	2194	75.6	2903

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		n	%	n	%	N
71	Madras Medical College, Chennai (2017)	1493	56.1	1168	43.9	2661
72	Erode Cancer Centre, Thindal, Erode (2012,2017-2018)	973	43.2	1279	56.8	2252
73	Cytecure Hospitals PVT LTD, Bengaluru (2017-2018)	854	45.3	1033	54.7	1887
74	Amala Institute of Medical Sciences, Amalanagar, Thrissur (2018)	882	47.3	983	52.7	1865
75	MES Medical College & Hospital, Perinthalmanna (2012,2015-2019)	929	50.5	910	49.5	1839
76	G Kuppaswamy Naidu Memorial Hospital, Coimbatore (2018)	695	40.5	1022	59.5	1717
77	Institute of Obstetrics and Gynaecology, Chennai (2017-2018)	154	12.7	1056	87.3	1210
78	Tirunelveli Medical College, Tirunelveli (2018-2019)	552	46.3	640	53.7	1192
79	Aster Medcity, Kochi (2017-2018)	608	52.2	556	47.8	1164
80	Mandya Institute of Medical Sciences, Mandya (2015-2019)	485	44.9	594	55.1	1079
81	Monsignor Joseph Kandathil Memorial Cancer Research Centre, Alappuzha (2018-2019)	447	47.1	502	52.9	949
82	Pushpagiri Institute of Medical Sciences & Research Centre, Tiruvalla (2016-2018)	440	47.5	486	52.5	926
83	ESIC Medical College Hospital and Super Speciality Hospital, Hyderabad (2017-2019)	200	38.9	314	61.1	514
Central						
84	Regional Cancer Centre, Raipur (2012-2019)	9639	43.9	12314	56.1	21953
85	RST Regional Cancer Hospital, Cancer Relief Society, Nagpur (2012-2018)	9667	51.6	9057	48.4	18724
86	Cancer Hospital & Research Institute, Gwalior (2014-2017)	7772	60.4	5105	39.6	12877
87	Gandhi Medical College, Bhopal (2012-2019)	5692	51.6	5341	48.4	11033
North East						
88	Dr. B. Borooah Cancer Institute, Guwahati (2012-2019)	39678	57.3	29523	42.7	69201
89	Cachar Cancer Hospital and Research Centre, Silchar (2012-2018)	6823	57.8	4983	42.2	11806
90	Regional Cancer Centre, Agartala (2014-2019)	6408	56.5	4936	43.5	11344
91	Assam Medical College, Dibrugarh (2012-2019)	4076	46.1	4769	53.9	8794
92	North East Cancer Hospital & Research Institute, Guwahati (2014-2018)	4002	61.4	2514	38.6	6516
93	Mizoram State Cancer Institute (Civil Hospital), Aizawl (2014-2019)	3169	52.3	2885	47.7	6054
94	Regional Institute of Medical Sciences, Imphal (2014-2019)	2656	44.5	3308	55.5	5964
95	State Cancer Institute, Guwahati (2018-2019)	2724	52.6	2455	47.4	5179
96	Naga Hospital Authority, Kohima (2019)	191	67.5	92	32.5	283
Total		705395	52.9	626812	47.1	1332207

The total number of cancer patients that were registered from 96 HBCRs from 2012 – 2019 were 1332207 cases, and final analysis was done using data of 610084 cases (319098 males; 290986 females) which had passed the quality checks.