

MAHARASHTRA STATE  
Performance of RNTCP Case Detection (1st Quarter, 2010), Smear Conversion (4th Quarter, 2009)  
and Treatment Outcomes (1st Quarter, 2009)

Sr No	Region	District	Pop covered (in Lacs) by RNTCP*	Total TB patients registered for treatment	Annualized total case detection rate (per lac per year)	No of Smear positive patients diagnosed	New smear positive patients registered for treatment	Annualized new smear positive case detection rate (per lac per year)**	Annualized new smear positive case detection rate (%)**	% of new smear positive out of total new pulmonary cases	No of new smear negative cases Initiated on treatment	No of new EP cases Initiated on treatment	% of new EP cases out of all new cases	No of smear positive retreatment cases Initiated on treatment	% of retreatment cases out of all smear positive cases	No. of pediatric cases out of all new cases	% of pediatric cases out of all new cases
		<b>Norms:</b>			>150			>56	>70%	45-70%			<20%		<33%		
1	Akola Circle	Akola	14.2	300	84	146	122	34	43%	70%	52	55	24%	56	31%	7	3.1%
2		Akola MC	4.5	123	110	144	44	39	49%	73%	16	28	32%	26	37%	8	9.1%
3		Amravati MC	6.3	194	123	151	68	43	54%	63%	40	48	31%	23	25%	10	6.4%
4		Amravati Rural	23.6	538	91	299	185	31	39%	59%	129	82	21%	101	35%	22	5.6%
5		Buldana	25.6	565	88	465	218	34	43%	63%	130	78	18%	114	34%	21	4.9%
6		Washim	11.7	268	92	118	87	30	37%	53%	76	47	22%	45	34%	10	4.8%
7		Yavatmal	28.3	783	111	412	289	41	51%	57%	216	139	22%	103	26%	21	3.3%
8	Aurangabad Circle	Aurangabad MC	10.0	314	125	267	146	58	73%	92%	13	94	37%	35	19%	18	7.1%
9		Aurangabad-MH	23.5	465	79	262	286	49	61%	81%	67	37	9%	50	15%	10	2.6%
10		Hingoli	11.3	292	103	147	125	44	55%	66%	63	53	22%	35	22%	15	6.2%
11		Jalna	18.5	435	94	255	153	33	41%	54%	131	59	17%	73	32%	15	4.4%
12		Parbhani	17.1	393	92	196	164	38	48%	60%	109	72	21%	39	19%	21	6.1%
13	Latur Circle	Bid	24.8	441	71	289	216	35	44%	76%	68	88	24%	46	18%	15	4.0%
14		Latur	23.9	485	81	326	228	38	48%	71%	93	80	20%	62	21%	17	4.2%
15		Nanded	28.0	603	86	366	271	39	48%	61%	172	76	15%	55	17%	22	4.2%
16		Nanded Waghela MC	4.9	144	116	110	71	57	72%	88%	10	44	35%	14	16%	3	2.4%
17		Osmanabad	16.9	270	64	179	142	34	42%	78%	40	43	19%	29	17%	12	5.3%
18	Mumbai & Thane Circle	Mumbai	136.8	8,107	237	4,055	2,264	66	83%	57%	1703	1892	32%	1114	33%	565	9.6%
19		Kalyan Dombivli MC	13.7	549	160	226	152	44	55%	50%	149	117	28%	26	15%	71	17.0%
20		Navi Mumbai	8.1	481	238	365	163	81	101%	72%	64	122	35%	69	30%	68	19.5%
21		Raigarh-MH	25.3	946	149	509	363	57	72%	61%	237	118	16%	128	26%	48	6.7%
22		Ratnagiri	19.5	607	125	295	242	50	62%	59%	171	45	10%	62	20%	19	4.1%
23		Sindhudurg	9.9	297	120	137	108	44	55%	55%	87	42	18%	33	23%	10	4.2%
24		Thane	31.3	1,529	196	719	620	79	99%	62%	378	248	20%	133	18%	99	7.9%
25		Thane MC	14.5	722	199	404	187	52	65%	58%	137	198	38%	102	35%	72	13.8%
26		Bhivandi-Nizampur	10.5	349	133	159	90	34	43%	41%	128	69	24%	37	29%	42	14.6%
27		Mira Bhayander	9.9	195	79	120	102	41	52%	86%	17	41	26%	19	16%	16	10.0%
28	Ulhasnagar MC	5.4	251	185	208	93	68	86%	63%	55	27	15%	40	30%	13	7.4%	

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**and Treatment Outcomes (1st Quarter, 2009)**

Sr No	Region	District	Pop covered (in Lacs) by RNTCP*	Total TB patients registered for treatment	Annualized total case detection rate (per lac per year)	No of Smear positive patients diagnosed	New smear positive patients registered for treatment	Annualized new smear positive case detection rate (per lac per year)**	Annualized new smear positive case detection rate (%)**	% of new smear positive out of total new pulmonary cases	No of new smear negative cases Initiated on treatment	No of new EP cases Initiated on treatment	% of new EP cases out of all new cases	No of smear positive retreatment cases Initiated on treatment	% of retreatment cases out of all smear positive cases	No. of pediatric cases out of all new cases	% of pediatric cases out of all new cases
<b>Norms:</b>					>150			>56	>70%	45-70%			<20%		<33%		
29	Nagpur Circle	Bhandara	13.0	250	77	166	98	30	38%	70%	42	44	24%	55	36%	11	6.0%
30		Chandrapur	23.9	608	102	349	257	43	54%	63%	153	85	17%	71	22%	21	4.2%
31		Gadchiroli	11.1	284	102	172	118	42	53%	61%	74	45	19%	31	21%	12	5.0%
32		Gondiya	13.8	317	92	207	144	42	52%	73%	52	55	22%	50	26%	4	1.6%
33		Nagpur MC	23.6	849	144	526	256	43	54%	69%	114	263	42%	144	36%	48	7.6%
34		Nagpur Rural	23.0	632	110	438	316	55	69%	68%	147	59	11%	77	20%	25	4.8%
35		Wardha	14.1	318	90	241	135	38	48%	70%	57	57	23%	61	31%	5	2.0%
36	Nashik Circle	Ahmadnagar MC	4.2	99	94	91	31	29	37%	57%	23	23	30%	12	28%	4	5.2%
37		Ahmadnagar	42.7	912	85	458	443	41	52%	68%	212	126	16%	51	10%	38	4.9%
38		Dhule	15.5	464	120	240	224	58	72%	70%	97	60	16%	44	16%	25	6.6%
39		Dhule MC	4.1	150	145	156	60	58	73%	64%	34	38	29%	11	15%	8	6.1%
40		Jalgaon	37.8	1,065	113	386	357	38	47%	47%	396	178	19%	90	20%	44	4.7%
41		Jalgaon MC	4.4	156	140	168	50	45	56%	52%	47	42	30%	11	18%	7	5.0%
42		Nandurbar	15.0	452	120	217	163	43	54%	48%	176	40	11%	52	24%	38	10.0%
43		Nashik	40.0	809	81	508	412	41	52%	68%	195	94	13%	63	13%	72	10.3%
44		Nashik Corp	12.4	378	122	254	161	52	65%	59%	110	40	13%	36	18%	19	6.1%
45		Malegaon MC	4.9	266	216	92	86	70	87%	57%	65	88	37%	20	19%	23	9.6%
46	Kolhapur Circle	Kolhapur	34.8	771	89	448	335	39	48%	65%	178	135	21%	58	15%	38	5.9%
47		Kolhapur MC	5.6	121	87	62	49	35	44%	60%	32	13	14%	11	18%	7	7.4%
53		Satara	32.1	1,024	128	472	394	49	61%	60%	268	213	24%	70	15%	39	4.5%
51		Sangli	24.6	613	100	325	257	42	52%	64%	142	109	21%	44	15%	30	5.9%
52		Sangli MC	5.0	144	115	79	49	39	49%	65%	26	40	35%	8	14%	9	7.8%
49	Pune Circle	Pune	29.2	972	133	374	378	52	65%	75%	127	307	38%	76	17%	58	7.1%
50		Pune Rural	42.2	1,100	104	984	551	52	65%	73%	206	178	19%	97	15%	51	5.5%
48		Pimpri Chinchwad	11.6	493	171	282	162	56	70%	72%	63	161	42%	55	25%	32	8.3%
54		Solapur	34.3	696	81	454	404	47	59%	76%	128	79	13%	46	10%	33	5.4%
55		Solapur MC	10.0	316	126	239	117	47	58%	63%	68	57	24%	38	25%	33	13.6%
<b>MAHARASHTRA</b>			<b>1,111.2</b>	<b>34,905</b>	<b>126</b>	<b>19,717</b>	<b>13,206</b>	<b>48</b>	<b>59%</b>	<b>63%</b>	<b>7783</b>	<b>6671</b>	<b>24%</b>	<b>4051</b>	<b>23%</b>	<b>2004</b>	<b>7.2%</b>

\* Projected population based on census population of 2001 is used. 1 lakh = 100,000 population

\*\* Based on available data on Annual Risk of Infection (ARI) for Maharashtra which is 1.6, estimated total new smear-positive cases are 80 /lakh. Percentage reflects proportion of expected cases detected (e.g. 70% = 56/80 cases per lakh)

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**and Treatment Outcomes (1st Quarter, 2009)**

Sr No	Region	District	3 Months conversion rate of new smear positive patients	Cure rate of new smear positive patients	Success rate of new smear positive patients	No of Suspects examined	Suspects examined per lakh population per quarter	% of S+ve cases amongst suspects	% Smear positive patients living in the district and placed on DOTS	No. (%) of patients put on Non DOTS regimens	No (%) of Initial defaulter	No (%) of NSP cases started RNTCP DOTS within 7 days of diagnosis	No (%) of NSP cases registered within one month of starting RNTCP DOTS treatment	No of cured NSP cases having end of treatment follow up sputum done within 7 days of last dose	Number (%) of patients (all forms of TB) registered during the quarter receiving DOT through a community volunteer						
		<b>Norms:</b>	>90%	>85%	>85%		>150	5-15%	>95%												
1	Akola Circle	Akola	88%	73%	74%	1,843	130	8%	96%	0	0%	6	4%	144	81%	178	100%	131	76%	115	39%
2		Akola MC	71%	#DIV/0!	#DIV/0!	560	125	26%	70%	0	0%	34	24%	61	87%	0	0%	0	#DIV/0!	55	45%
3		Amravati MC	90%	86%	86%	1,800	285	8%	92%	1	66%	6	4%	89	98%	88	97%	79	94%	97	50%
4		Amravati Rural	89%	87%	91%	3,336	141	9%	96%	0	0%	10	3%	233	81%	286	100%	138	62%	259	48%
5		Buldana	87%	76%	81%	3,138	123	15%	96%	0	0%	15	3%	264	80%	322	97%	136	66%	195	43%
6		Washim	87%	77%	80%	1,199	102	10%	95%	1	85%	5	4%	108	82%	130	98%	85	78%	194	73%
7		Yavatmal	90%	76%	83%	3,579	127	12%	95%	0	0%	20	5%	290	74%	354	90%	211	71%	475	61%
8	Aurangabad Circle	Aurangabad MC	93%	85%	86%	1,808	180	15%	78%	0	0%	45	17%	164	91%	181	100%	134	89%	6	2%
9		Aurangabad-MH	93%	88%	90%	2,970	126	9%	99%	0	0%	3	1%	259	77%	280	83%	216	77%	112	24%
10		Hingoli	93%	85%	85%	1,166	103	13%	100%	0	0%	0	0%	146	91%	150	94%	109	87%	236	75%
11		Jalna	90%	80%	84%	2,081	112	12%	95%	1	39%	11	4%	209	92%	224	99%	134	89%	142	33%
12		Parbhani	91%	86%	88%	2,113	123	9%	99%	0	0%	2	1%	182	90%	203	100%	137	87%	92	23%
13	Latur Circle	Bid	92%	83%	83%	2,617	106	11%	100%	0	0%	0	0%	225	86%	260	99%	176	63%	124	28%
14		Latur	81%	79%	79%	3,942	165	8%	94%	0	0%	19	6%	241	83%	288	99%	111	63%	278	57%
15		Nanded	89%	85%	88%	3,172	113	12%	95%	0	0%	16	4%	246	75%	317	97%	134	51%	64	11%
16		Nanded Waghela MC	94%	85%	85%	997	202	11%	99%	0	0%	1	1%	80	94%	85	100%	50	82%	0	#DIV/0!
17	Osmanabad	88%	85%	85%	1,847	109	10%	98%	0	0%	4	2%	143	84%	171	100%	91	63%	78	29%	
18	Mumbai & Thane Circle	Mumbai	91%	87%	87%	25,743	188	16%	67%	52	128%	1167	29%	3026	90%	3213	95%	2447	88%	0	0%
19		Kalyan Dombivli MC	90%	82%	82%	1,732	126	13%	91%	0	0%	17	8%	160	90%	178	100%	147	90%	3	1%
20		Navi Mumbai	92%	82%	83%	2,684	332	14%	91%	1	27%	20	5%	219	94%	232	100%	152	100%	105	22%
21		Raigarh-MH	90%	76%	80%	4,363	172	12%	93%	0	0%	34	7%	392	80%	483	98%	227	79%	524	55%
22		Ratnagiri	91%	87%	87%	3,356	172	9%	97%	0	0%	10	3%	273	90%	302	99%	209	83%	406	67%
23		Sindhudurg	92%	86%	87%	2,226	225	6%	98%	0	0%	2	1%	119	84%	141	100%	79	72%	186	63%
24		Thane	91%	83%	84%	5,474	175	13%	90%	0	0%	73	10%	601	80%	628	83%	405	53%	589	55%
25		Thane MC	85%	79%	80%	2,677	185	15%	88%	5	124%	35	9%	244	84%	282	98%	189	95%	140	19%
26		Bhivandi-Nizampur	81%	#DIV/0!	#DIV/0!	994	94	16%	93%	0	0%	9	6%	107	84%	125	98%	0	#DIV/0!	0	#DIV/0!
27		Mira Bhayander	96%	#DIV/0!	#DIV/0!	907	92	13%	95%	0	0%	6	5%	106	88%	121	100%	0	#DIV/0!	105	51%
28	Ulhasnagar MC	93%	86%	86%	946	174	22%	89%	2	96%	15	7%	119	89%	133	100%	91	97%	12	5%	

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Sr No	Region	District	3 Months conversion rate of new smear positive patients	Cure rate of new smear positive patients	Success rate of new smear positive patients	No of Suspects examined	Suspects examined per lakh population per quarter	% of S+ve cases amongst suspects	% Smear positive patients living in the district and placed on DOTS	No. (%) of patients put on Non DOTS regimens	No (%) of Initial defaulter	No (%) of NSP cases started RNTCP DOTS within 7 days of diagnosis	No (%) of NSP cases registered within one month of starting RNTCP DOTS treatment	No of cured NSP cases having end of treatment follow up sputum done within 7 days of last dose	Number (%) of patients (all forms of TB) registered during the quarter receiving DOT through a community volunteer						
		<b>Norms:</b>	>90%	>85%	>85%		>150	5-15%	>95%												
29	Nagpur Circle	Bhandara	83%	76%	77%	1,856	142	9%	96%	0	0%	6	4%	130	85%	153	100%	88	76%	94	37%
30		Chandrapur	93%	80%	82%	3,404	143	10%	97%	0	0%	8	2%	278	85%	326	99%	187	80%	176	29%
31		Gadchiroli	89%	80%	87%	1,421	128	12%	87%	0	0%	20	12%	117	79%	127	85%	85	77%	0	#DIV/0!
32		Gondiya	89%	83%	83%	2,139	155	10%	95%	5	242%	5	2%	162	84%	194	100%	80	73%	143	45%
33		Nagpur MC	89%	80%	80%	3,994	170	13%	79%	0	0%	108	21%	268	67%	288	72%	173	57%	20	8%
34		Nagpur Rural	92%	87%	87%	3,560	155	12%	96%	0	0%	14	3%	347	88%	389	99%	281	86%	7	1%
35	Wardha	89%	79%	85%	2,332	165	10%	98%	0	0%	4	2%	147	75%	171	87%	107	76%	62	31%	
36	Nashik Circle	Ahmadnagar MC	74%	#DIV/0!	#DIV/0!	781	185	12%	95%	0	0%	2	2%	41	95%	43	100%	0	#DIV/0!	0	0%
37		Ahmadnagar	92%	86%	88%	5,535	130	8%	99%	0	0%	4	1%	460	93%	494	100%	301	81%	85	9%
38		Dhule	91%	86%	86%	2,274	147	11%	95%	0	0%	12	5%	239	89%	265	99%	206	72%	221	48%
39		Dhule MC	92%	#DIV/0!	#DIV/0!	1,200	291	13%	100%	0	0%	0	0%	67	94%	70	99%	0	#DIV/0!	19	13%
40		Jalgaon	81%	76%	79%	3,855	102	10%	90%	0	0%	40	10%	383	86%	446	100%	229	69%	469	44%
41		Jalgaon MC	85%	#DIV/0!	#DIV/0!	1,677	377	10%	77%	2	119%	15	9%	55	90%	61	100%	0	#DIV/0!	14	9%
42		Nandurbar	88%	84%	87%	2,033	135	11%	96%	1	46%	8	4%	165	77%	214	100%	117	66%	312	69%
43		Nashik	96%	86%	86%	4,592	115	11%	99%	0	0%	6	1%	398	84%	446	94%	290	55%	355	50%
44		Nashik Corp	95%	90%	90%	1,855	150	14%	95%	0	0%	10	4%	188	95%	197	100%	145	91%	48	13%
45	Malegaon MC	90%	#DIV/0!	#DIV/0!	738	150	12%	90%	0	0%	9	10%	101	95%	98	92%	0	#DIV/0!	41	15%	
46	Kolhapur Circle	Kolhapur	90%	80%	81%	5,548	159	8%	97%	0	0%	14	3%	326	83%	390	99%	191	79%	38	9%
47		Kolhapur MC	93%	84%	84%	676	121	9%	93%	0	0%	4	6%	50	83%	59	98%	30	75%	0	#DIV/0!
53		Satara	91%	84%	85%	6,043	188	8%	100%	0	0%	1	0%	415	89%	462	100%	179	70%	566	55%
51		Sangli	91%	86%	86%	4,798	195	7%	95%	1	31%	14	4%	253	84%	301	100%	211	86%	81	13%
52		Sangli MC	89%	92%	92%	782	156	10%	98%	0	0%	1	1%	47	82%	49	86%	24	59%	0	#DIV/0!
49	Pune Circle	Pune	94%	87%	87%	3,567	122	10%	95%	0	0%	17	5%	393	87%	417	92%	326	91%	0	#DIV/0!
50		Pune Rural	91%	86%	87%	8,709	206	11%	97%	0	0%	24	2%	562	87%	631	97%	409	81%	158	31%
48		Pimpri Chinchwad	91%	86%	86%	2,765	239	10%	93%	0	0%	15	5%	203	94%	211	97%	162	95%	3	1%
54		Solapur	91%	87%	88%	5,660	165	8%	93%	0	0%	31	7%	396	88%	450	100%	252	70%	49	12%
55		Solapur MC	90%	80%	81%	1,800	180	13%	85%	0	0%	30	13%	129	83%	153	99%	125	95%	11	3%
		<b>MAHARASHTRA</b>	<b>90%</b>	<b>84%</b>	<b>85%</b>	<b>172,864</b>	<b>156</b>	<b>11%</b>	<b>88%</b>	<b>72</b>	<b>37%</b>	<b>2007</b>	<b>10.2%</b>	<b>14770</b>	<b>86%</b>	<b>16460</b>	<b>95%</b>	<b>10216</b>	<b>77%</b>	<b>7564</b>	<b>25%</b>