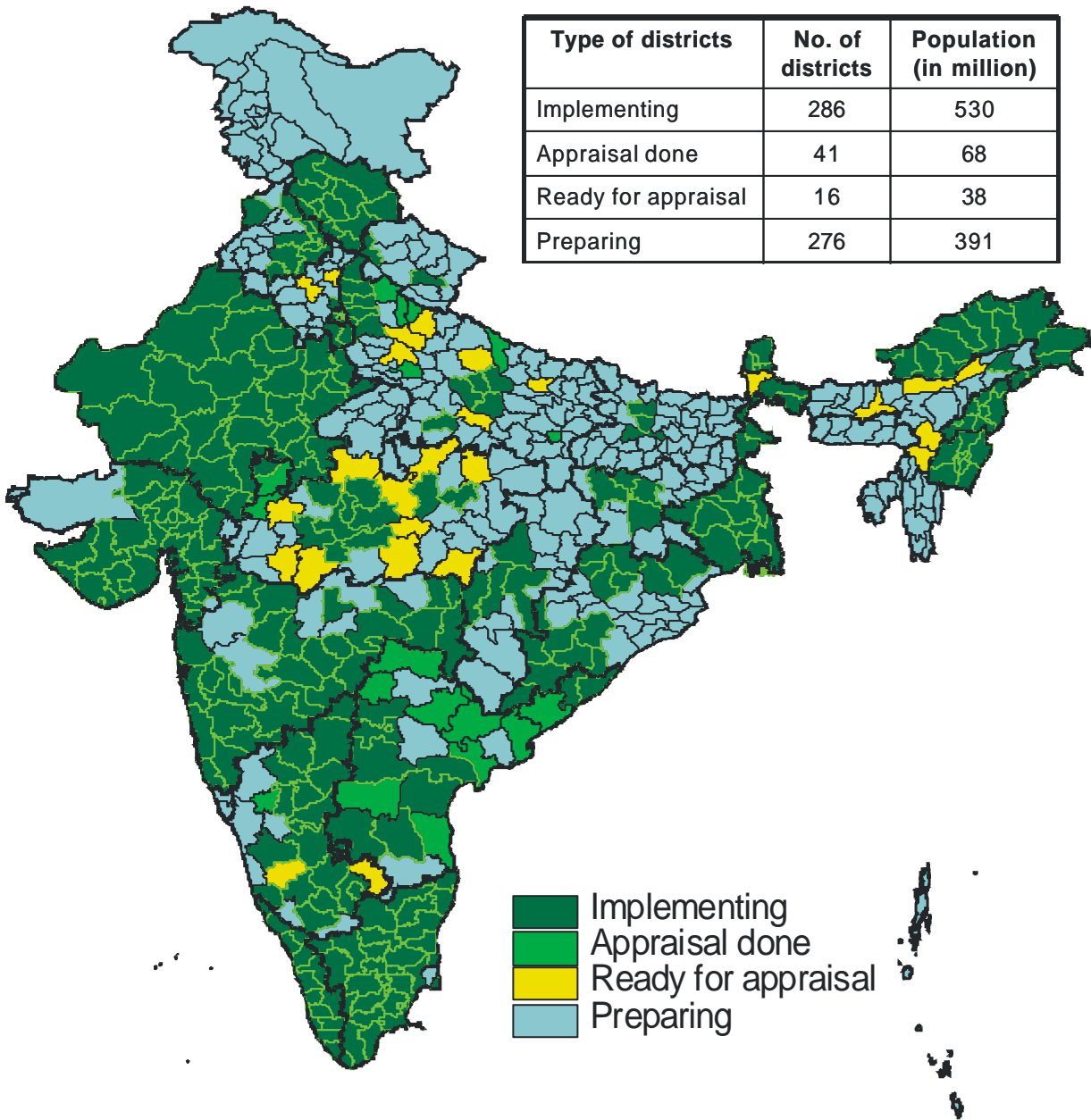


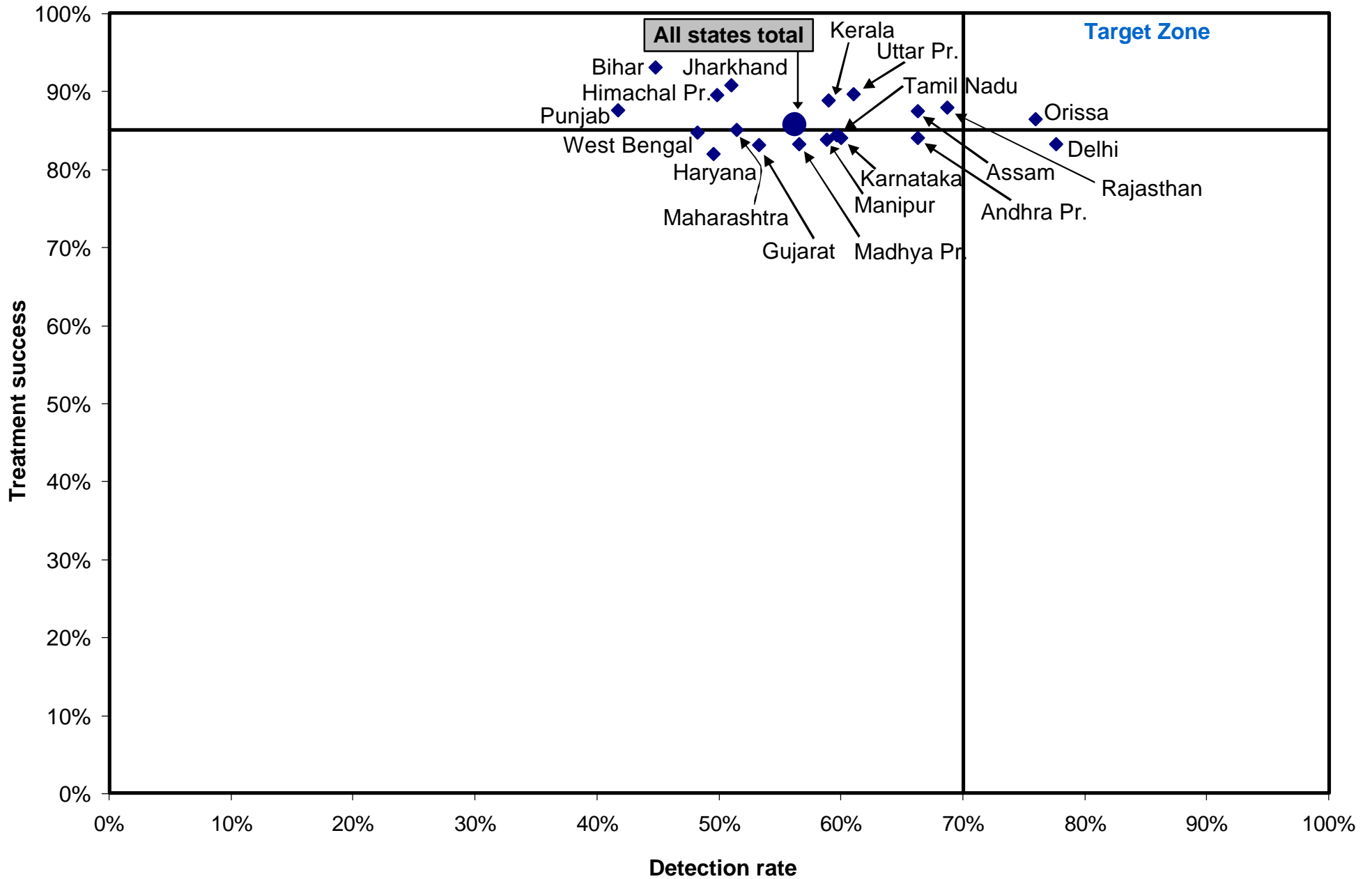
RNTCP Performance Report, India

Fourth Quarter, 2002

District-wise RNTCP implementation status



Case-detection and treatment success rates in RNTCP areas for fourth quarter 2002/2001



**Performance of RNTCP Case Detection (2002, fourth quarter), Smear Conversion (2002, third quarter),
and Treatment Outcomes (2001, fourth quarter)**

State	Population (in lakh) *	Total no. of districts/ DTCs	No. of districts / DTCs implementing RNTCP	Percentage outpatients examined	Percentage s+ve patients living in the district placed on DOTS	Total patients treated	Annualized total case detection rate	New smear +ve patients treated	Annualized new smear +ve case detection rate (%)†	Ratio of new smear -ve to new smear +ve patients	3 month conversion rate of new smear +ve patients	Cure rate of new smear +ve patients §	Success rate of new smear +ve patients §
Andhra Pradesh	382	23	12	2.0%	98%	12035	130	4877	56 (66)	1.1	88%	81%	84%
Arunachal Pradesh	11	6	6	2.6%	96%	378	139	206	76 (89)	0.3	96%		
Assam	12	23	1	2.9%	99%	381	130	165	56 (66)	0.5	89%	86%	87%
Bihar	112	37	3	5.7%	96%	2419	87	1062	38 (45)	0.8	95%	92%	93%
Chandigarh	9	1	1	2.8%	82%	308	137	116	52 (61)	0.6	90%		
Chhatisgarh	91	16	4	2.2%	88%	2504	110	928	41 (48)	1.1	82%		
Delhi	138	20	20	2.4%	93%	7085	205	2276	66 (78)	0.7	86%	82%	83%
Gujarat	480	27	24	2.1%	90%	14129	118	5427	45 (53)	0.7	91%	83%	83%
Haryana	51	19	3	3.2%	90%	1552	121	540	42 (50)	0.9	85%	80%	82%
Himachal Pradesh	61	12	12	2.1%	92%	2535	167	871	57 (50)	0.7	92%	89%	89%
Jharkhand	50	22	3	2.6%	96%	1192	96	533	43 (51)	0.8	96%	90%	91%
Karnataka	218	28	11	2.5%	97%	6744	124	2778	51 (60)	0.9	90%	84%	84%
Kerala	318	14	14	1.6%	96%	6016	76	2346	29 (59)	0.7	90%	88%	89%
Madhya Pradesh	76	45	6	2.0%	90%	2559	144	878	48 (57)	1.2	86%	83%	83%
Maharashtra	876	48	40	2.6%	94%	25870	127	9000	44 (51)	1.0	90%	84%	85%
Manipur	24	8	9	3.8%	99%	1221	204	351	59 (59)	1.4	91%	84%	84%
Nagaland	17	8	7	NR	NR	84		45		0.4			
Orissa	139	30	14	2.0%	85%	4660	135	2236	65 (76)	0.6	90%	85%	86%
Punjab	72	17	4	1.9%	90%	597	95	231	35 (42)	0.5	93%	88%	88%
Rajasthan	565	32	32	2.5%	93%	22466	159	8241	58 (69)	0.8	92%	87%	88%
Sikkim	5	4	4	2.5%	100%	281	208	99	73 (86)	0.6	88%		
Tamil Nadu	621	29	29	1.5%	95%	20597	133	7865	51 (60)	1.0	91%	84%	84%
Uttar Pradesh	206	70	9	3.9%	96%	6628	129	2675	52 (61)	0.9	92%	89%	90%
Uttaranchal	19	13	2	1.9%	77%	44		22		0.1			
West Bengal	747	19	16	1.9%	92%	18504	99	7655	41 (48)	0.8	89%	83%	85%
Grand Total	5299	571	286	2.1%	93%	160789	125	61423	48 (56)	0.9	90%	85%	86%

NR - Not reported till 15th February 2003; Values for grey areas are not expected

* Census population of 2001 is used for calculation of case-detection rate

† Case detection rate totals based on districts implementing for more than one quarter. Estimated total new smear-positive cases adjusted for available data on Annual Risk of Infection (ARI) for Kerala (estimated new smear positive cases=50/lakh), Himachal Pradesh (estimated new smear positive cases=115/lakh) and Manipur (estimated new smear +ve cases 100 per lakh). For all other states, estimated total new smear-positive cases=85/lakh. Percentage reflects proportion of expected cases detected

§ Cure rate and success rate are not expected for states that began implementing RNTCP after fourth quarter of 2001

**Performance of RNTCP Case Detection (2002, fourth quarter), Smear Conversion (2002, third quarter),
and Treatment Outcomes (2001, fourth quarter)**

State	District	Population (in lakh)	Percentage outpatients examined *	Percentage S+ve patients living in the district placed on DOTS	Total patient s treated	Annualized total case detection rate [†]	New smear +ve patients treated	Annualized new smear +ve case detection rate (%) [†]	Ratio of new smear -ve to new smear +ve patients	3 month conversion rate of new smear +ve patients [§]	Cure rate of new smear +ve patients [¶]	Success rate of new smear +ve patients ^{¶¶}
Andhra Pradesh	Anantapur	36	0.2%	99%	1365	150	602	66 (78)	0.8	90%	83%	83%
Andhra Pradesh	Chittoor	37	1.8%	90%	1124	120	459	49 (58)	1.0	81%	66%	70%
Andhra Pradesh	Cuddapah	26	NR	NR	1158		392		1.7			
Andhra Pradesh	Guntur	44	2.0%	96%	1707		606		1.4			
Andhra Pradesh	Hyderabad	37	2.3%	100%	915	99	473	51 (60)	0.8	94%	84%	84%
Andhra Pradesh	Mahbubnagar	35	2.2%	100%	1103	126	441	50 (59)	1.2	76%	76%	80%
Andhra Pradesh	Medak	27	2.5%	97%	700	105	307	46 (54)	0.9	92%	87%	88%
Andhra Pradesh	Nellore	27	NR	NR	NR		NR		NR			
Andhra Pradesh	Prakasam	31	3.8%	100%	863		287		1.8			
Andhra Pradesh	Rangareddi	35	2.4%	100%	921	105	336	38 (45)	1.1	91%	88%	88%
Andhra Pradesh	Srikakulam	25	1.7%	100%	1062	168	492	78 (92)	1.0	90%	72%	87%
Andhra Pradesh	Vizianagaram	22	2.8%	100%	1117	199	482	86 (101)	1.0	92%	93%	93%
Arunachal Pradesh	Along	1	4.4%	100%	40	154	16	62 (73)	0.3	100%		
Arunachal Pradesh	Bomdila	2	1.9%	92%	62	149	39	94 (110)	0.3	100%		
Arunachal Pradesh	Deomali	2	1.7%	100%	48	85	32	57 (67)	0.2	100%		
Arunachal Pradesh	Pashighat	1	3.1%	93%	51	169	28	93 (109)	0.3	100%		
Arunachal Pradesh	Tezu	2	2.2%	95%	92	183	54	107 (126)	0.2	100%		
Arunachal Pradesh	Zero	3	6.4%	100%	85	124	37	54 (63)	0.6	83%		
Assam	Dibrugarh	12	2.9%	99%	381	130	165	56 (66)	0.5	89%	86%	87%
Bihar	Muzaffarpur	37	4.8%	89%	850	91	279	30 (35)	1.5	94%	88%	89%
Bihar	Patna	47	4.6%	99%	948	81	425	36 (42)	0.7	95%	91%	92%
Bihar	Vaishali	27	11.2%	96%	621	92	358	53 (62)	0.4	96%	97%	97%
Chandigarh	Chandigarh	9	2.8%	82%	308	137	116	52 (61)	0.6	90%		
Chhatisgarh	Bilaspur-CG	20	2.1%	89%	601	121	222	45 (52)	1.0	86%		
Chhatisgarh	Durg	28	1.8%	89%	710	101	237	34 (40)	1.4	78%		
Chhatisgarh	Raipur	30	2.2%	84%	748	99	336	45 (53)	0.8	81%		
Chhatisgarh	Rajnandgaon	13	4.0%	93%	445	139	133	42 (49)	1.6	85%		
Delhi	BJRM Chest Clinic	3	2.7%	93%	204	272	74	99 (116)	0.5	85%	77%	77%
Delhi	DDU Chest Clinic	7	1.0%	100%	618	353	199	114 (134)	0.8	80%	65%	72%
Delhi	GTB Chest Clinic	8	3.1%	93%	464	232	125	63 (74)	0.6	90%	84%	85%
Delhi	Gulabi Bagh	9	3.8%	85%	248	109	108	48 (56)	0.4	96%	91%	91%
Delhi	Jhandewalan	5	3.8%	94%	226	181	63	50 (59)	1.0	90%	84%	84%
Delhi	Karawal Nagar	9		95%	660	293	202	90 (106)	0.9	75%	63%	64%
Delhi	Kingsway	7	2.3%	95%	238	136	73	42 (49)	0.7	93%	92%	92%
Delhi	LN Chest Clinic	3	0.9%	92%	56	75	21	28 (33)	0.2	81%	92%	92%
Delhi	LRS	16	3.6%	98%	687	172	226	57 (66)	0.6	90%	93%	93%
Delhi	Moti Nagar	5	0.9%	83%	308	246	83	66 (78)	1.0	89%	71%	71%
Delhi	Narela	5	2.4%	92%	192	154	52	42 (49)	1.5	80%	84%	84%

**Performance of RNTCP Case Detection (2002, fourth quarter), Smear Conversion (2002, third quarter),
and Treatment Outcomes (2001, fourth quarter)**

State	District	Population (in lakh)	Percentage outpatients examined *	Percentage S+ve patients living in the district placed on DOTS	Total patient s treated	Annualized total case detection rate [†]	New smear +ve patients treated	Annualized new smear +ve case detection rate (%) [†]	Ratio of new smear -ve to new smear +ve patients	3 month conversion rate of new smear +ve patients [§]	Cure rate of new smear +ve patients [¶]	Success rate of new smear +ve patients ^{¶¶}
Delhi	NDMC	5	3.5%	88%	148	118	47	38 (44)	0.6	92%	89%	89%
Delhi	NDTC	2	5.6%	80%	115	230	25	50 (59)	0.9	88%	91%	91%
Delhi	Nehru Nagar	14	15.9%	92%	589	168	233	67 (78)	0.6	81%	85%	85%
Delhi	Patparganj	7	1.7%	84%	455	256	155	89 (104)	0.6	88%	80%	80%
Delhi	RK Mission	7	2.2%	84%	303	173	110	63 (74)	0.6	90%	87%	87%
Delhi	RTRM Chest Clinic	6	1.2%	97%	182	121	57	38 (45)	0.7	92%	73%	73%
Delhi	SGM Chest Clinic	10	4.9%	100%	774	310	204	82 (96)	1.0	92%	88%	88%
Delhi	Shahadra	5	4.2%	93%	387	310	118	94 (111)	0.7	83%	82%	83%
Delhi	SPM Marg	5	57.6%	91%	231	185	101	81 (95)	0.5	83%	86%	86%
Gujarat	Ahmadabad	25	3.2%	97%	560	88	193	30 (36)	1.0	94%	84%	85%
Gujarat	AMC	35	2.9%	84%	1418	161	435	49 (58)	0.7	91%	82%	82%
Gujarat	Amreli	14	1.0%	93%	325	93	147	42 (50)	0.4	91%	85%	85%
Gujarat	Anand	19	2.7%	94%	720	155	352	76 (89)	0.5	89%	81%	81%
Gujarat	Banas Kantha	27	2.2%	94%	899	132	298	44 (51)	0.9	90%	84%	84%
Gujarat	Bharuch	19	1.3%	81%	572	121	290	62 (72)	0.5	73%		
Gujarat	Bhavnagar	25	2.2%	95%	635	103	222	36 (42)	0.8	91%	80%	80%
Gujarat	Dahod	16	2.1%	85%	636	156	247	60 (71)	0.6	93%	83%	83%
Gujarat	Gandhinagar	6	2.6%	92%	263	184	112	78 (92)	0.7	95%	90%	90%
Gujarat	Jamnagar	19	2.5%	99%	516	108	184	38 (45)	0.7	93%	88%	88%
Gujarat	Junagadh	30	1.2%	95%	679	91	250	33 (39)	0.7	91%	78%	80%
Gujarat	Kheda	20	2.1%	91%	691	137	244	48 (57)	0.6	92%	82%	82%
Gujarat	Mahesana	17	2.5%	98%	528	126	204	49 (57)	0.9	94%	87%	87%
Gujarat	Mansa-GJ	16	2.2%	92%	538	133	240	59 (70)	0.7	93%	86%	86%
Gujarat	Panch Mahals	20	1.4%	88%	878	173	330	65 (77)	0.8	91%	84%	85%
Gujarat	Rajkot	32	1.7%	97%	761	96	276	35 (41)	0.7	91%	82%	84%
Gujarat	Sabar Kantha	21	2.1%	93%	680	131	294	56 (66)	0.6	95%	87%	87%
Gujarat	Surat	15	2.4%	73%	273	72	135	36 (42)	0.6	88%	79%	79%
Gujarat	Surat Municipal Corp	24	3.5%	93%	373	61	106	17 (20)	1.1	85%	82%	82%
Gujarat	Surendranagar	15	3.3%	89%	385	102	139	37 (43)	0.6	95%	81%	81%
Gujarat	Vadodara	14	2.4%	89%	421	118	196	55 (65)	0.6	92%	84%	84%
Gujarat	Vadodara Corp	13	2.8%	99%	364	111	99	30 (36)	1.2	95%	81%	81%
Gujarat	Valsad	26	2.3%	84%	630	95	266	40 (47)	0.5	91%	79%	80%
Gujarat	Vyara(Surat)	10	2.1%	88%	384	147	168	64 (75)	0.7	92%	79%	79%
Haryana	Faridabad	22	2.7%	90%	657	120	230	42 (49)	1.0	87%	80%	81%
Haryana	Gurgaon	17	3.3%	86%	506	122	202	49 (57)	0.6	84%	83%	83%
Haryana	Sonipat	13	4.3%	97%	389	122	108	34 (40)	1.4	83%	78%	82%
Himachal Pradesh	Bilaspur-HP	3	2.0%	94%	174	204	78	92 (80)	0.6	91%	93%	96%
Himachal Pradesh	Chamba	5	1.3%	90%	130	113	41	36 (31)	0.7	90%		

**Performance of RNTCP Case Detection (2002, fourth quarter), Smear Conversion (2002, third quarter),
and Treatment Outcomes (2001, fourth quarter)**

State	District	Population (in lakh)	Percentage outpatients examined *	Percentage S+ve patients living in the district placed on DOTS	Total patient s treated	Annualized total case detection rate [†]	New smear +ve patients treated	Annualized new smear +ve case detection rate (%) [†]	Ratio of new smear -ve to new smear +ve patients	3 month conversion rate of new smear +ve patients [§]	Cure rate of new smear +ve patients [¶]	Success rate of new smear +ve patients ^{¶¶}
Himachal Pradesh	Hamirpur-HP	4	1.5%	92%	162	157	52	50 (44)	0.8	89%	90%	90%
Himachal Pradesh	Kangra	13	2.2%	93%	497	149	174	52 (45)	0.6	93%	88%	88%
Himachal Pradesh	Kinnaur	1	5.5%	82%	30	143	6	29 (25)	1.7	93%	100%	100%
Himachal Pradesh	Kullu	4	1.7%	95%	283	298	68	72 (62)	1.6	92%	91%	91%
Himachal Pradesh	Lahul & Spiti	0.3	2.5%	100%	15	181	4	48 (42)	0.5	67%	100%	100%
Himachal Pradesh	Mandi	9	2.1%	90%	499	222	157	70 (61)	0.8	91%	91%	91%
Himachal Pradesh	Shimla	7	3.0%	94%	259	144	89	49 (43)	0.5	95%	87%	87%
Himachal Pradesh	Sirmaur	5	1.9%	85%	175	153	59	51 (45)	0.6	94%	89%	89%
Himachal Pradesh	Solan	5	2.2%	97%	180	144	94	75 (65)	0.4	94%	87%	87%
Himachal Pradesh	Una	4	1.6%	89%	131	117	49	44 (38)	0.8	92%	89%	89%
Jharkhand	Palamu	21	2.8%	96%	632	121	315	60 (52)	0.6	97%	94%	94%
Jharkhand	Ranchi	28	2.5%	96%	541	78	213	31 (27)	1.0	95%	86%	86%
Jharkhand	Hazaribagh	1	3.1%	100%	19		5		2.0			
Karnataka	Bagalkot	17	3.2%	99%	523	127	197	48 (56)	1.3	91%	88%	88%
Karnataka	Bangalore City	50	2.3%	89%	1102	88	385	31 (36)	0.7	89%	85%	85%
Karnataka	Bangalore Rural	19	1.7%	94%	551	117	245	52 (61)	0.8	85%		
Karnataka	Bangalore U	15	2.2%	100%	417	110	193	51 (60)	0.6	91%	84%	84%
Karnataka	Bellary	20	3.7%	99%	743	147	367	72 (85)	0.7	86%	74%	75%
Karnataka	Bijapur	18	2.3%	100%	447	99	149	33 (39)	1.4	93%	86%	86%
Karnataka	Chitradurga	15	1.5%	100%	655	173	300	79 (93)	0.9	93%	89%	89%
Karnataka	Davanagere	18	3.0%	100%	571	128	207	46 (54)	1.0	94%	85%	85%
Karnataka	Koppal	12	3.2%	99%	411	138	180	60 (71)	0.7	92%	85%	85%
Karnataka	Mandya	18	2.6%	93%	600	136	262	59 (70)	0.8	86%	74%	74%
Karnataka	Raichur	16	3.7%	100%	724	176	293	71 (84)	1.0	95%	91%	91%
Kerala	Alappuzha	21	1.1%	99%	497	94	161	31 (61)	1.1	93%	90%	91%
Kerala	Ernakulam	31	1.9%	100%	589	76	237	31 (61)	0.7	89%	85%	85%
Kerala	Idukki	11	0.9%	98%	120	43	46	16 (33)	0.7	90%	93%	93%
Kerala	Kannur	24	1.4%	98%	457	76	166	28 (55)	0.6	90%	91%	91%
Kerala	Kasaragod	12	1.7%	100%	214	71	102	34 (68)	0.6	86%	86%	86%
Kerala	Kollam	26	1.9%	100%	616	95	236	37 (73)	1.0	93%	90%	90%
Kerala	Kottayam	20	1.3%	96%	417	85	179	37 (73)	0.6	89%	90%	91%
Kerala	Kozhikode	29	1.4%	98%	544	76	206	29 (57)	0.6	90%	83%	88%
Kerala	Malappuram	36	2.4%	84%	560	62	207	23 (46)	0.7	91%	91%	93%
Kerala	Palakkad	26	2.0%	98%	503	77	208	32 (64)	0.6	91%	86%	87%
Kerala	Pathanamthitta	12	1.4%	100%	212	69	96	31 (62)	0.6	94%	91%	91%
Kerala	Thiruvananthapuram	32	1.6%	94%	528	65	194	24 (48)	0.8	88%	87%	88%
Kerala	Thrissur	30	1.9%	91%	554	74	244	33 (66)	0.4	90%	87%	87%
Kerala	Wayanad	8	1.9%	97%	205	104	64	33 (65)	1.5	92%	85%	85%

**Performance of RNTCP Case Detection (2002, fourth quarter), Smear Conversion (2002, third quarter),
and Treatment Outcomes (2001, fourth quarter)**

State	District	Population (in lakh)	Percentage outpatients examined *	Percentage S+ve patients living in the district placed on DOTS	Total patient s treated	Annualized total case detection rate [†]	New smear +ve patients treated	Annualized new smear +ve case detection rate (%) [†]	Ratio of new smear -ve to new smear +ve patients	3 month conversion rate of new smear +ve patients [§]	Cure rate of new smear +ve patients [¶]	Success rate of new smear +ve patients ^{¶¶}
Madhya Pradesh	Bhopal	18	1.4%	83%	734	160	276	60 (71)	0.9	85%	85%	85%
Madhya Pradesh	Hoshangabad	11	1.9%	85%	225		96		0.7			
Madhya Pradesh	Raisen	11	2.2%	95%	343	122	87	31 (37)	2.4	86%	85%	85%
Madhya Pradesh	Rajgarh	13	2.0%	93%	448	143	124	40 (47)	1.9	89%	81%	82%
Madhya Pradesh	Sehore	11	1.8%	97%	270	100	91	34 (40)	1.1	88%	81%	81%
Madhya Pradesh	Vidisha	12	5.2%	100%	539	177	204	67 (79)	1.1	86%	80%	81%
Maharashtra	Ahmednagar	41	1.2%	92%	538	53	107	10 (12)	2.6	86%	83%	84%
Maharashtra	Aurangabad Muni Corp	9	2.2%	112%	187	86	72	33 (39)	0.8	95%	86%	86%
Maharashtra	Aurangabad-MH	20	3.3%	100%	597	117	206	40 (47)	1.2	95%	89%	89%
Maharashtra	Bhandara	11	2.1%	87%	336	118	125	44 (52)	0.7	94%		
Maharashtra	Bid	22	2.9%	100%	357	66	133	25 (29)	1.1	86%	67%	67%
Maharashtra	Chandrapur	21	1.6%	96%	492		183		0.9			
Maharashtra	Dhule	17	3.3%	92%	604	141	202	47 (56)	1.4	89%	77%	77%
Maharashtra	Gadchiroli	10	2.5%	100%	283		114		0.9			
Maharashtra	Gondiya	12	3.1%	96%	555	185	204	68 (80)	1.0	91%		
Maharashtra	Jalgaon	37	3.0%	100%	1011	110	366	40 (47)	1.1	91%	81%	81%
Maharashtra	Jalna	16	3.1%	100%	529	131	180	45 (53)	1.3	88%	80%	84%
Maharashtra	Kalyan Dombivli MC	12	3.9%	96%	320	107	127	43 (50)	0.7	88%		
Maharashtra	Kolhapur	30	2.0%	100%	847	112	324	43 (50)	1.0	94%	88%	88%
Maharashtra	Kolhapur Mun Corp	5	2.7%	100%	170	140	52	43 (50)	1.2	95%	77%	77%
Maharashtra	Latur	21	2.6%	86%	359	69	117	23 (26)	0.9	87%	77%	77%
Maharashtra	Mumbai	119	2.4%	90%	6095	205	1944	65 (77)	0.9	90%	86%	86%
Maharashtra	Nagpur Muni Corp	20	10.6%	100%	49		18		0.9			
Maharashtra	Nagpur Rural	19	1.9%	100%	396	85	138	30 (35)	0.9	91%		
Maharashtra	Nanded	29	11.2%	100%	136		94		0.2			
Maharashtra	Nandurbar	13	2.7%	93%	383	117	133	41 (48)	1.3	90%	82%	90%
Maharashtra	Nasik	39	2.9%	94%	1473	152	569	59 (69)	1.0	92%	88%	88%
Maharashtra	Nasik Corp	11	3.1%	89%	170	61	46	17 (20)	1.5	83%	68%	72%
Maharashtra	Navi Mumbai	7	2.4%	82%	338	192	98	56 (66)	1.3	85%	72%	74%
Maharashtra	Osmanabad	15	2.2%	94%	263	71	59	16 (19)	2.5	93%	96%	96%
Maharashtra	Parbhani	15	3.7%	94%	151		47		1.3			
Maharashtra	Pimpri Chinchwad	10	2.9%	94%	403	160	148	59 (69)	0.6	95%	87%	87%
Maharashtra	Pune	25	2.5%	99%	858	135	340	54 (63)	0.6	94%	90%	90%
Maharashtra	Pune Rural	37	2.6%	97%	855	93	330	36 (42)	0.9	90%	88%	88%
Maharashtra	Raigarh-MH	22	2.2%	95%	843	153	297	54 (63)	1.1	90%	87%	87%
Maharashtra	Ratnagiri	17	4.0%	93%	626	148	228	54 (63)	1.1	88%	81%	84%
Maharashtra	Sangli	21	2.2%	92%	584	109	195	36 (43)	0.9	91%	79%	79%
Maharashtra	Sangli Muni Corp	4	3.2%	167%	124	114	48	44 (52)	0.7	85%	76%	76%

**Performance of RNTCP Case Detection (2002, fourth quarter), Smear Conversion (2002, third quarter),
and Treatment Outcomes (2001, fourth quarter)**

State	District	Population (in lakh)	Percentage outpatients examined *	Percentage S+ve patients living in the district placed on DOTS	Total patients treated	Annualized total case detection rate †	New smear +ve patients treated	Annualized new smear +ve case detection rate (%) †	Ratio of new smear -ve to new smear +ve patients	3 month conversion rate of new smear +ve patients §	Cure rate of new smear +ve patients ¶	Success rate of new smear +ve patients ¶¶
Maharashtra	Satara	28	2.9%	100%	900	129	296	42 (50)	1.3	92%	85%	87%
Maharashtra	Sindhudurg	9	2.6%	97%	287	133	106	49 (58)	1.0	88%	72%	76%
Maharashtra	Solapur	30	1.7%	87%	456	61	173	23 (27)	1.0	80%	72%	72%
Maharashtra	Solapur Muni Corp	9	3.1%	89%	279	128	76	35 (41)	1.5	70%	41%	41%
Maharashtra	Thane	45	3.1%	97%	1335	119	449	40 (47)	1.4	88%	87%	87%
Maharashtra	Thane Muni Corp	13	5.3%	92%	603	191	194	62 (72)	0.8	86%	82%	82%
Maharashtra	Wardha	12	2.8%	88%	370	120	199	65 (76)	0.6	88%		
Maharashtra	Yavatmal	25	1.5%	87%	708	115	263	43 (50)	0.7	77%		
Manipur	Bishnupur	2	1.8%	100%	107	208	40	78 (78)	0.9	96%		
Manipur	Chandel	1	7.1%	100%	64	209	17	55 (55)	1.4	88%		
Manipur	Churachandpur	2	2.5%	100%	175	306	45	79 (79)	1.4	96%		
Manipur	Imphal East	4	6.9%	100%	174	177	49	50 (50)	1.7	84%	80%	80%
Manipur	Imphal West	4	4.3%	99%	307	279	94	86 (86)	1.3	97%	86%	86%
Manipur	Senapati	4	2.9%	100%	101	107	29	31 (31)	1.3	90%		
Manipur	Tamenglong	1	2.0%	100%	27	97	9	32 (32)	0.9	100%		
Manipur	Thoubal	4	12.4%	100%	191	209	50	55 (55)	1.5	82%		
Manipur	Ukhrul	1	6.4%	92%	75	213	18	51 (51)	1.3	90%		
Nagaland	Kohima	3	NR	NR	1		0		0.0			
Nagaland	Mokokchung	2	NR	NR	12		2		0.0			
Nagaland	Mon	3	NR	NR	16		13		0.2			
Nagaland	Phek	1	NR	NR	1		1		0.0			
Nagaland	Tuensang	4	NR	NR	43		18		1.0			
Nagaland	Wokha	2	NR	NR	7		7		0.0			
Nagaland	Zunheboto	2	NR	NR	4		4		0.0			
Orissa	Debagarh	3	0.9%	100%	61	89	35	51 (60)	0.4	95%	100%	100%
Orissa	Gajapati	5	2.5%	79%	227	175	86	66 (78)	0.8	89%		
Orissa	Jharsuguda	5	1.2%	88%	168	132	67	53 (62)	0.7	95%	86%	86%
Orissa	Kalahandi	13	2.5%	69%	464	139	286	86 (101)	0.4	90%		
Orissa	Kandhamal	6	1.9%	90%	204	126	106	65 (77)	0.3	75%		
Orissa	Kendujhar	16	1.9%	91%	421	108	186	48 (56)	0.8	91%	86%	86%
Orissa	Koraput	12	3.2%	85%	322	109	186	63 (74)	0.3	97%	90%	90%
Orissa	Malkangiri	5	2.3%	74%	182	152	103	86 (101)	0.3	88%	81%	81%
Orissa	Mayurbhanj	22	2.0%	95%	927	167	451	81 (96)	0.7	91%	88%	88%
Orissa	Nabarangapur	10	1.6%	99%	168	66	92	36 (43)	0.4	94%	73%	83%
Orissa	Nuapada	5	2.0%	58%	205	155	83	63 (74)	0.8	90%		
Orissa	Rayagada	8	1.6%	88%	314	153	161	78 (92)	0.6	80%	79%	80%
Orissa	Sambalpur	9	2.3%	79%	273	118	102	44 (52)	1.0	92%	89%	89%
Orissa	Sundargarh	18	2.2%	93%	724	158	292	64 (75)	0.7	93%	88%	88%

**Performance of RNTCP Case Detection (2002, fourth quarter), Smear Conversion (2002, third quarter),
and Treatment Outcomes (2001, fourth quarter)**

State	District	Population (in lakh)	Percentage outpatients examined *	Percentage S+ve patients living in the district placed on DOTS	Total patient s treated	Annualized total case detection rate †	New smear +ve patients treated	Annualized new smear +ve case detection rate (%) †	Ratio of new smear -ve to new smear +ve patients	3 month conversion rate of new smear +ve patients §	Cure rate of new smear +ve patients ¶	Success rate of new smear +ve patients ¶
Punjab	Bathinda	12	2.6%	100%	27		14		0.4			
Punjab	Ludhiana	30	0.9%	72%	117		46		0.4			
Punjab	Patiala	18	2.5%	99%	437	95	163	35 (42)	0.5	93%	88%	88%
Punjab	Rupnagar	11	0.6%	65%	16		8		0.3			
Rajasthan	Ajmer	22	2.5%	86%	1061	195	411	75 (89)	0.8	92%	88%	89%
Rajasthan	Alwar	30	1.6%	85%	946	127	350	47 (55)	1.0	92%	89%	90%
Rajasthan	Banswara	15	2.0%	99%	665	177	295	79 (93)	0.5	92%	87%	90%
Rajasthan	Baran	10	2.2%	94%	548	214	197	77 (91)	0.8	94%	85%	87%
Rajasthan	Barmer	20	4.6%	97%	746	152	266	54 (64)	1.2	89%	85%	89%
Rajasthan	Bharatpur	21	2.6%	92%	650	124	214	41 (48)	1.2	94%	89%	90%
Rajasthan	Bhilwara	20	2.9%	98%	1023	204	341	68 (80)	0.8	94%	92%	92%
Rajasthan	Bikaner	19	3.2%	99%	651	137	255	54 (63)	0.7	91%	82%	83%
Rajasthan	Bundi	10	3.1%	97%	398	166	166	69 (81)	0.8	94%	88%	89%
Rajasthan	Chittaurgarh	18	2.4%	97%	673	149	275	61 (72)	0.5	94%	92%	92%
Rajasthan	Churu	17	3.5%	97%	817	192	263	62 (73)	1.0	91%	84%	84%
Rajasthan	Dausa	13	2.3%	97%	468	142	148	45 (53)	1.0	91%	91%	92%
Rajasthan	Dhaulpur	10	2.6%	84%	316	129	97	39 (46)	0.8	90%	85%	86%
Rajasthan	Dungarpur	11	2.4%	97%	613	221	262	95 (111)	0.7	93%	82%	82%
Rajasthan	Ganganagar	18	2.0%	93%	631	141	274	61 (72)	0.6	91%	83%	84%
Rajasthan	Hanumangarh	15	2.6%	77%	500	132	196	52 (61)	0.5	91%	83%	84%
Rajasthan	Jaipur	53	2.1%	91%	2287	174	704	54 (63)	1.1	92%	88%	88%
Rajasthan	Jaisalmer	5	2.2%	96%	181	143	53	42 (49)	1.5	92%	88%	88%
Rajasthan	Jalore	14	2.7%	110%	437	121	155	43 (50)	1.0	93%	85%	85%
Rajasthan	Jhalawar	12	2.2%	85%	395	134	132	45 (53)	1.1	94%	83%	84%
Rajasthan	Jhunjhunun	19	2.1%	84%	562	118	209	44 (51)	0.8	89%	84%	85%
Rajasthan	Jodhpur	29	2.5%	87%	748	104	241	33 (39)	1.5	90%	86%	88%
Rajasthan	Karauli	12	2.2%	93%	597	198	213	71 (83)	0.7	92%	87%	89%
Rajasthan	Kota	16	3.1%	94%	615	157	204	52 (61)	1.0	96%	90%	91%
Rajasthan	Nagaur	28	2.2%	90%	826	119	305	44 (52)	0.9	92%	82%	83%
Rajasthan	Pali	18	2.6%	98%	703	155	238	52 (62)	1.2	92%	92%	94%
Rajasthan	Rajsamand	10	2.2%	96%	421	171	166	67 (79)	0.7	92%	85%	87%
Rajasthan	Sawai Madhopur	11	2.8%	92%	524	188	195	70 (82)	0.7	94%	88%	88%
Rajasthan	Sikar	23	2.5%	105%	857	150	278	49 (57)	1.0	91%	89%	90%
Rajasthan	Sirohi	9	2.1%	90%	352	165	163	77 (90)	0.5	81%	81%	81%
Rajasthan	Tonk	12	3.0%	96%	806	266	374	123 (145)	0.6	92%	91%	93%
Rajasthan	Udaipur	26	2.6%	94%	1449	220	601	91 (107)	0.6	91%	84%	85%
Sikkim	East	2	2.8%	100%	130	212	51	83 (98)	0.4	85%		
Sikkim	North	0.4	2.3%	100%	25	244	4	39 (46)	2.3	100%		

Performance of RNTCP Case Detection (2002, fourth quarter), Smear Conversion (2002, third quarter), and Treatment Outcomes (2001, fourth quarter)

State	District	Population (in lakh)	Percentage outpatients examined *	Percentage S+ve patients living in the district placed on DOTS	Total patients treated	Annualized total case detection rate [†]	New smear +ve patients treated	Annualized new smear +ve case detection rate (%) [†]	Ratio of new smear -ve to new smear +ve patients	3 month conversion rate of new smear +ve patients [§]	Cure rate of new smear +ve patients [¶]	Success rate of new smear +ve patients ^{¶¶}
Sikkim	South	1	2.1%	100%	83	252	28	85 (100)	0.7	86%		
Sikkim	West	1	1.9%	100%	43	140	16	52 (61)	0.6	93%		
Tamil Nadu	Chennai	42	1.5%	100%	1494	142	460	44 (51)	1.2	90%	87%	88%
Tamil Nadu	Coimbatore	42	1.6%	96%	1174	111	411	39 (46)	1.1	92%	83%	83%
Tamil Nadu	Cuddalore	23	1.4%	73%	865	152	313	55 (65)	0.9	94%	86%	86%
Tamil Nadu	Dharmapuri	28	1.3%	88%	534	75	242	34 (40)	0.6	92%	88%	88%
Tamil Nadu	Dindigul	19	2.0%	100%	776	162	279	58 (68)	1.2	91%	86%	87%
Tamil Nadu	Erode	26	1.5%	93%	751	117	361	56 (66)	0.7	89%	79%	80%
Tamil Nadu	Kancheepuram	29	1.9%	100%	1197	167	384	54 (63)	1.3	92%	84%	84%
Tamil Nadu	Kanniyakumari	17	2.8%	85%	337	81	157	38 (44)	0.7	92%	85%	85%
Tamil Nadu	Karur	9	1.8%	74%	294	126	122	52 (61)	1.0	94%	79%	79%
Tamil Nadu	Madurai	26	1.5%	100%	772	121	266	42 (49)	1.4	91%	69%	69%
Tamil Nadu	Nagapattinam	15	1.9%	98%	311	84	124	33 (39)	1.0	89%	89%	89%
Tamil Nadu	Namakkal	15	1.1%	100%	452	121	154	41 (48)	1.1	94%	88%	88%
Tamil Nadu	Perambalur	12	1.8%	99%	405	137	167	57 (67)	0.8	93%	81%	81%
Tamil Nadu	Pudukkottai	15	1.8%	99%	580	160	271	75 (88)	0.6	92%	86%	86%
Tamil Nadu	Ramanathapuram	12	2.0%	96%	508	172	180	61 (72)	1.0	89%	82%	82%
Tamil Nadu	Salem	30	1.8%	100%	756	101	361	48 (57)	0.3	95%	88%	88%
Tamil Nadu	Sivaganga	12	3.0%	100%	420	146	151	52 (62)	1.3	95%	86%	86%
Tamil Nadu	Thanjavur	22	3.5%	100%	742	135	232	42 (50)	1.0	91%	77%	79%
Tamil Nadu	The Nilgiris	8	2.3%	100%	146	76	68	36 (42)	0.6	91%	85%	85%
Tamil Nadu	Theni	11	1.8%	98%	518	189	163	60 (70)	1.7	91%	76%	76%
Tamil Nadu	Thiruvallur	27	1.1%	93%	1109	162	474	69 (81)	0.7	81%	71%	72%
Tamil Nadu	Tiruchirappalli	24	1.9%	99%	809	135	336	56 (66)	0.9	95%	91%	91%
Tamil Nadu	Tirunelveli	28	0.4%	86%	1402	200	444	63 (75)	1.2	89%	83%	83%
Tamil Nadu	Tiruvanamalai	22	2.1%	100%	626	115	307	56 (66)	0.8	93%	87%	87%
Tamil Nadu	Tiruvarur	12	1.5%	96%	343	118	147	50 (59)	0.8	89%		
Tamil Nadu	Toothukudi	16	2.6%	95%	556	142	237	61 (71)	1.0	91%	82%	82%
Tamil Nadu	Vellore	35	2.2%	100%	1107	127	470	54 (64)	0.7	94%	89%	89%
Tamil Nadu	Viluppuram	29	1.2%	99%	972	132	354	48 (57)	1.1	90%	84%	84%
Tamil Nadu	Virudhunagar	18	2.4%	100%	641	146	230	53 (62)	1.3	90%	81%	81%
Uttar Pradesh	Baghpat	12	3.1%	97%	325	112	92	32 (37)	1.5	91%	83%	84%
Uttar Pradesh	Barabanki	27	3.5%	98%	743	111	328	49 (58)	0.7	89%	85%	86%
Uttar Pradesh	BCM Hospital Sitapur	1	3.5%	100%	51	408	16	128 (151)	1.4	88%	94%	94%
Uttar Pradesh	Gautam Budh Nagar	12	3.9%	98%	328	110	141	47 (56)	0.6	93%	86%	88%
Uttar Pradesh	Ghaziabad	33	5.2%	92%	1204	146	471	57 (67)	0.9	92%	89%	89%
Uttar Pradesh	Lucknow	37	3.8%	96%	1155	125	472	51 (60)	0.6	93%	90%	90%
Uttar Pradesh	Meerut	30	4.6%	99%	1438	192	633	84 (99)	0.7	94%	93%	93%

**Performance of RNTCP Case Detection (2002, fourth quarter), Smear Conversion (2002, third quarter),
and Treatment Outcomes (2001, fourth quarter)**

State	District	Population (in lakh)	Percentage outpatients examined *	Percentage S+ve patients living in the district placed on DOTS	Total patients treated	Annualized total case detection rate †	New smear +ve patients treated	Annualized new smear +ve case detection rate (%) †	Ratio of new smear -ve to new smear +ve patients	3 month conversion rate of new smear +ve patients §	Cure rate of new smear +ve patients ¶	Success rate of new smear +ve patients ¶
Uttar Pradesh	Rae Bareli	29	3.0%	98%	745	104	289	40 (47)	1.2	94%	92%	92%
Uttar Pradesh	Unnao	27	4.0%	97%	639	95	233	35 (41)	1.3	90%	83%	83%
Uttaranchal	Almora	6	2.8%	100%	9		4		0.0			
Uttaranchal	Dehradun	13	1.7%	73%	35		18		0.1			
West Bengal	Bankura	32	2.1%	98%	1023	128	436	55 (64)	0.7	93%	87%	89%
West Bengal	Bardhaman	69	2.2%	88%	2111	122	801	46 (54)	0.9	90%	82%	83%
West Bengal	Birbhum	30	1.8%	95%	867	115	405	54 (63)	0.7	87%	84%	86%
West Bengal	Haora	43	2.7%	90%	1307	122	476	45 (52)	0.9	88%	83%	84%
West Bengal	Hugli	50	2.4%	98%	1554	123	559	44 (52)	1.0	79%	78%	82%
West Bengal	Jalpaiguri	34	2.0%	93%	1059	124	500	59 (69)	0.6	92%	86%	86%
West Bengal	Koch Bihar	25	1.5%	97%	630	102	296	48 (56)	0.6	83%		
West Bengal	Kolkata	46	11.4%	91%	1045	91	480	42 (49)	0.4	89%	89%	89%
West Bengal	Maldah	33	1.5%	81%	957	116	452	55 (65)	0.6	87%	76%	77%
West Bengal	Medinipur East	44	1.2%	88%	435	39	134	12 (14)	1.3	88%		
West Bengal	Medinipur West	52	1.5%	86%	1115	85	509	39 (46)	0.6	88%		
West Bengal	Murshidabad	59	1.1%	92%	1643	112	667	46 (54)	1.0	93%	86%	87%
West Bengal	Nadia	46	2.0%	97%	1031	90	439	38 (45)	0.8	93%	87%	87%
West Bengal	North 24 Parganas	89	2.1%	92%	1678	75	617	28 (33)	0.7	89%	82%	82%
West Bengal	Puruliya	25	1.6%	97%	741	117	321	51 (60)	0.9	91%		
West Bengal	South 24 Parganas	69	2.5%	91%	1308	76	563	33 (38)	0.7	89%	85%	85%
	Total	5299	2.1%	93%	160789	125	61423	48 (56)	0.9	90%	85%	86%

NR - Not reported till 15th February 2003; Values for grey areas are not expected

* Data not displayed when the denominators (total new adult outpatient visits) were inaccurate

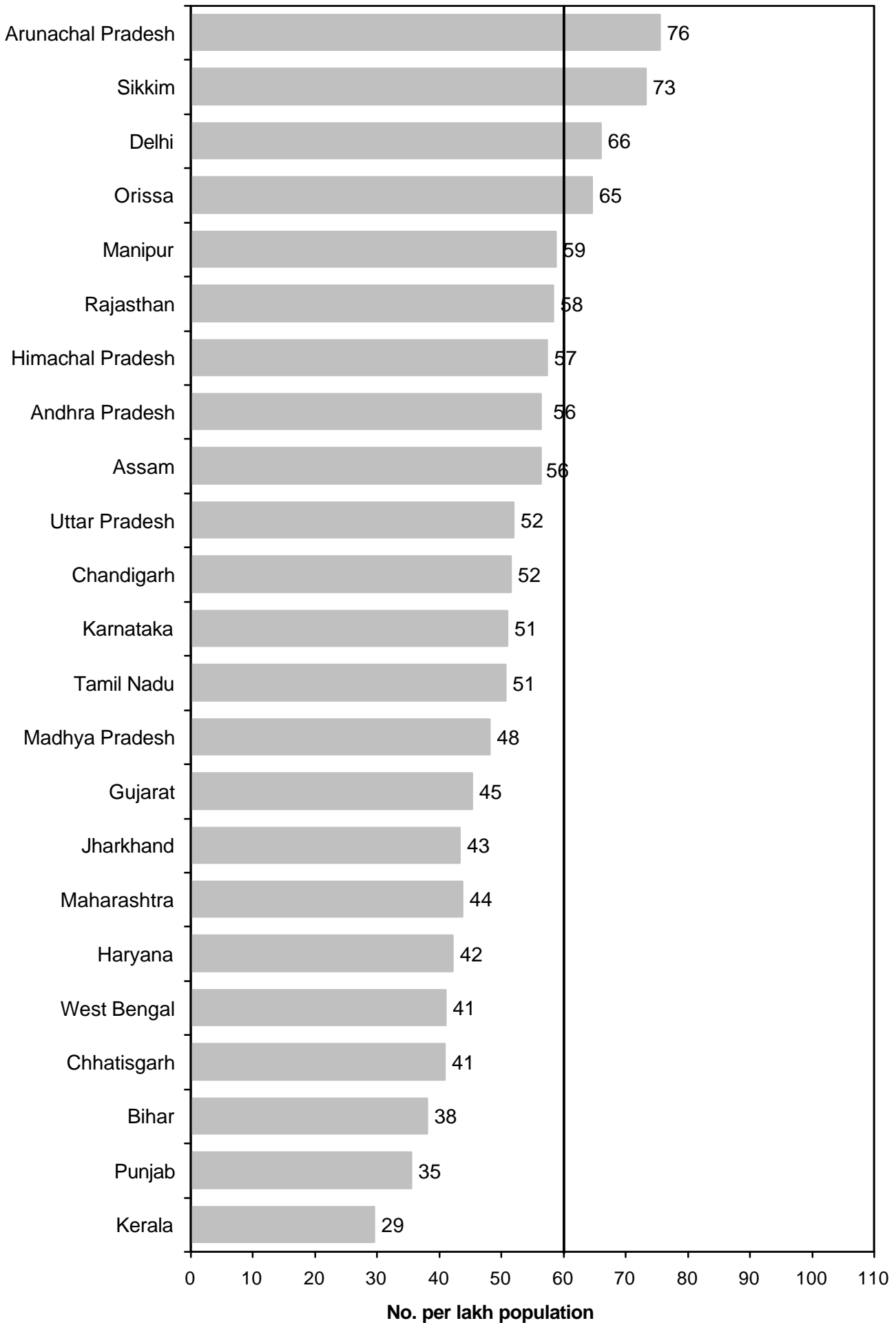
† Case detection rate totals based on districts implementing for more than one quarter. Estimated total new smear-positive cases adjusted for available data on Annual Risk of Infection (ARI) for Kerala (estimated new smear positive cases=50/lakh), Himachal Pradesh (estimated new smear positive cases=115/lakh) and Manipur (estimated new smear +ve cases 100 per lakh).

For all other states, estimated total new smear-positive cases=85/lakh. Percentage reflects proportion of expected cases detected

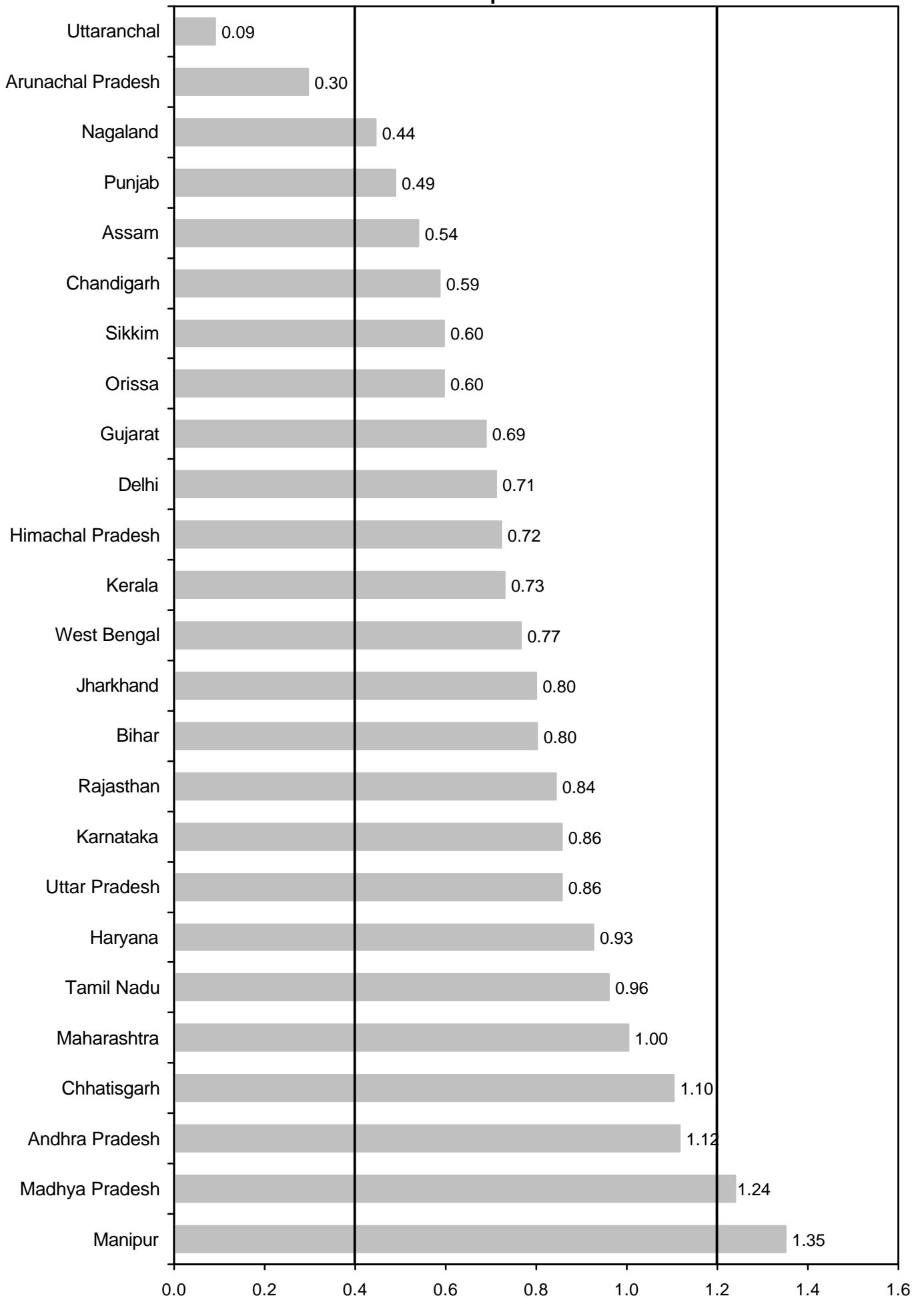
§ Smear conversion rate not expected for districts that began implementing RNTCP during 4th quarter 2002

¶ Cure rate and success rate are not expected for districts that began implementing RNTCP after 4th quarter 2001

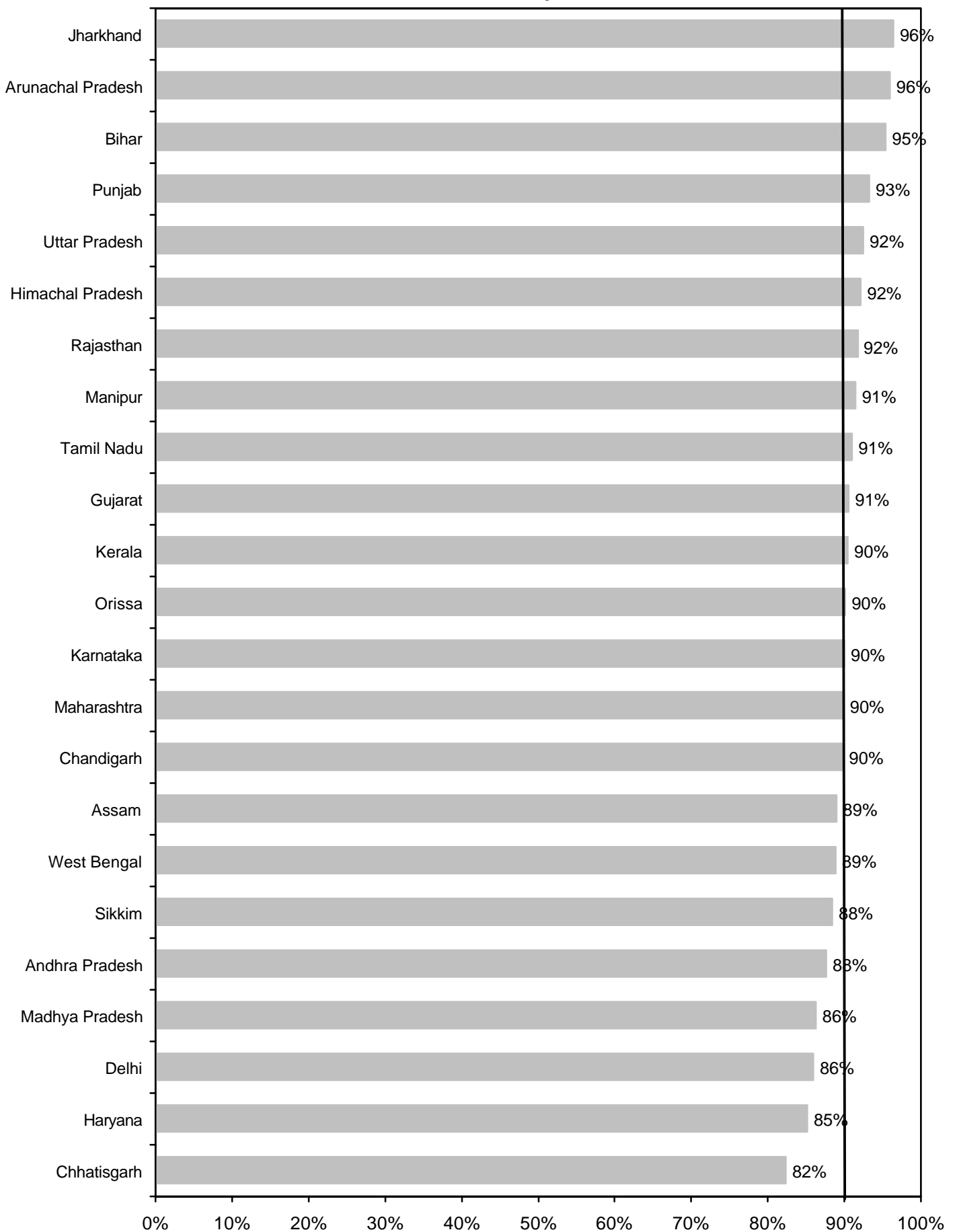
**Annualized new smear-positive detection rate/lakh population,
fourth quarter of 2002**



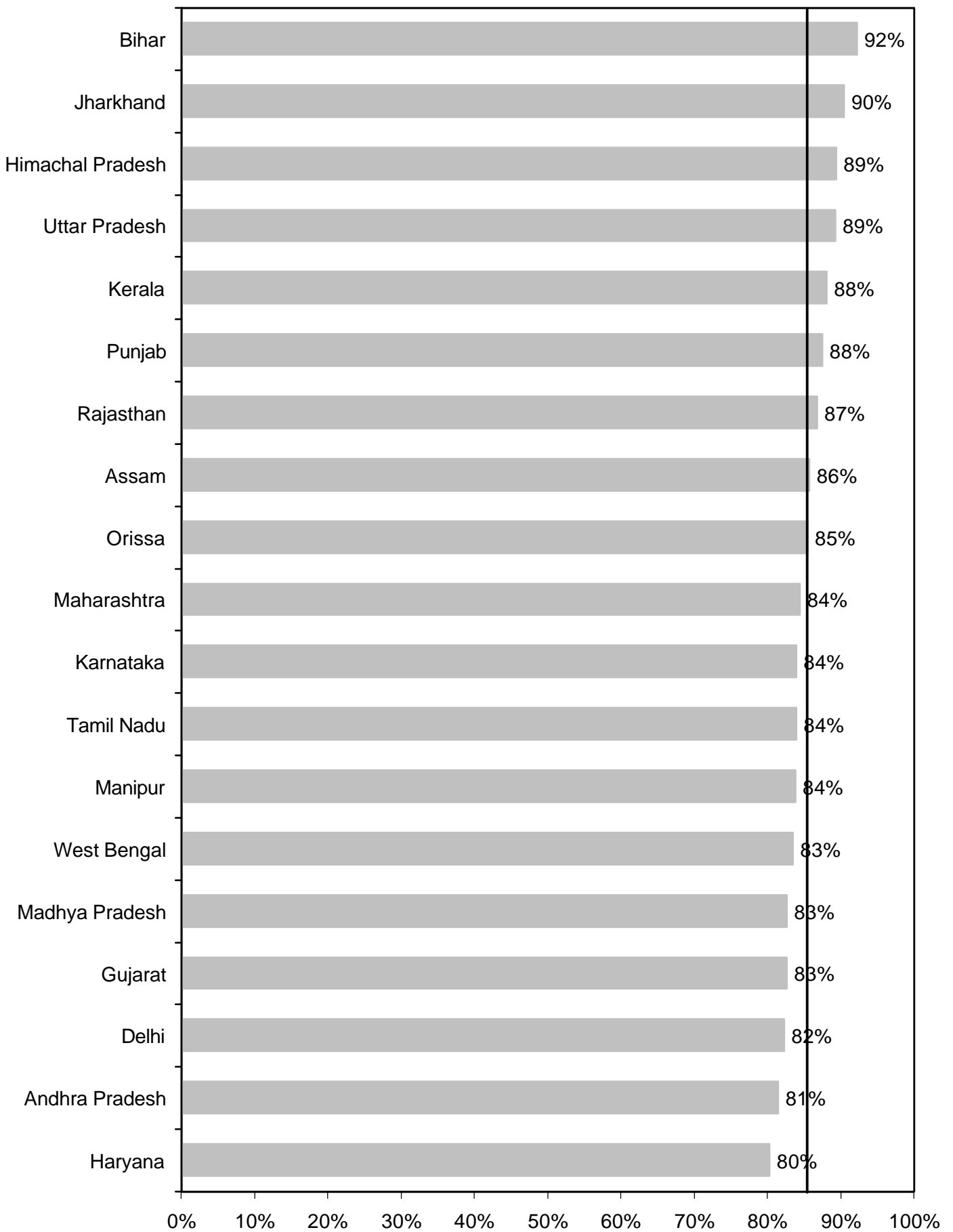
**Ratio of new sputum-negative to new sputum-positive patients,
fourth quarter of 2002**



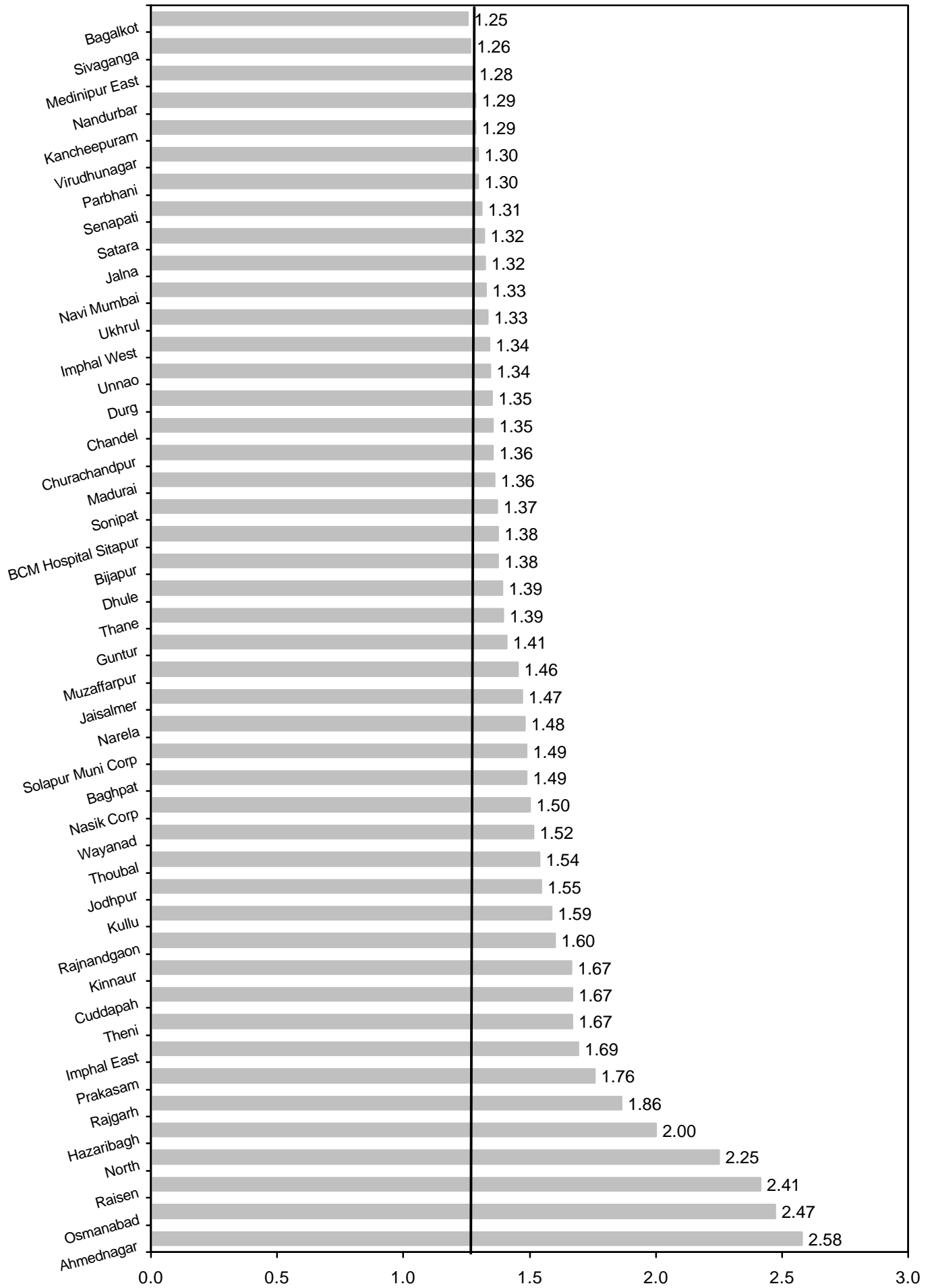
**Sputum conversion rate among new sputum-positive patients at
3 months, third quarter of 2002**



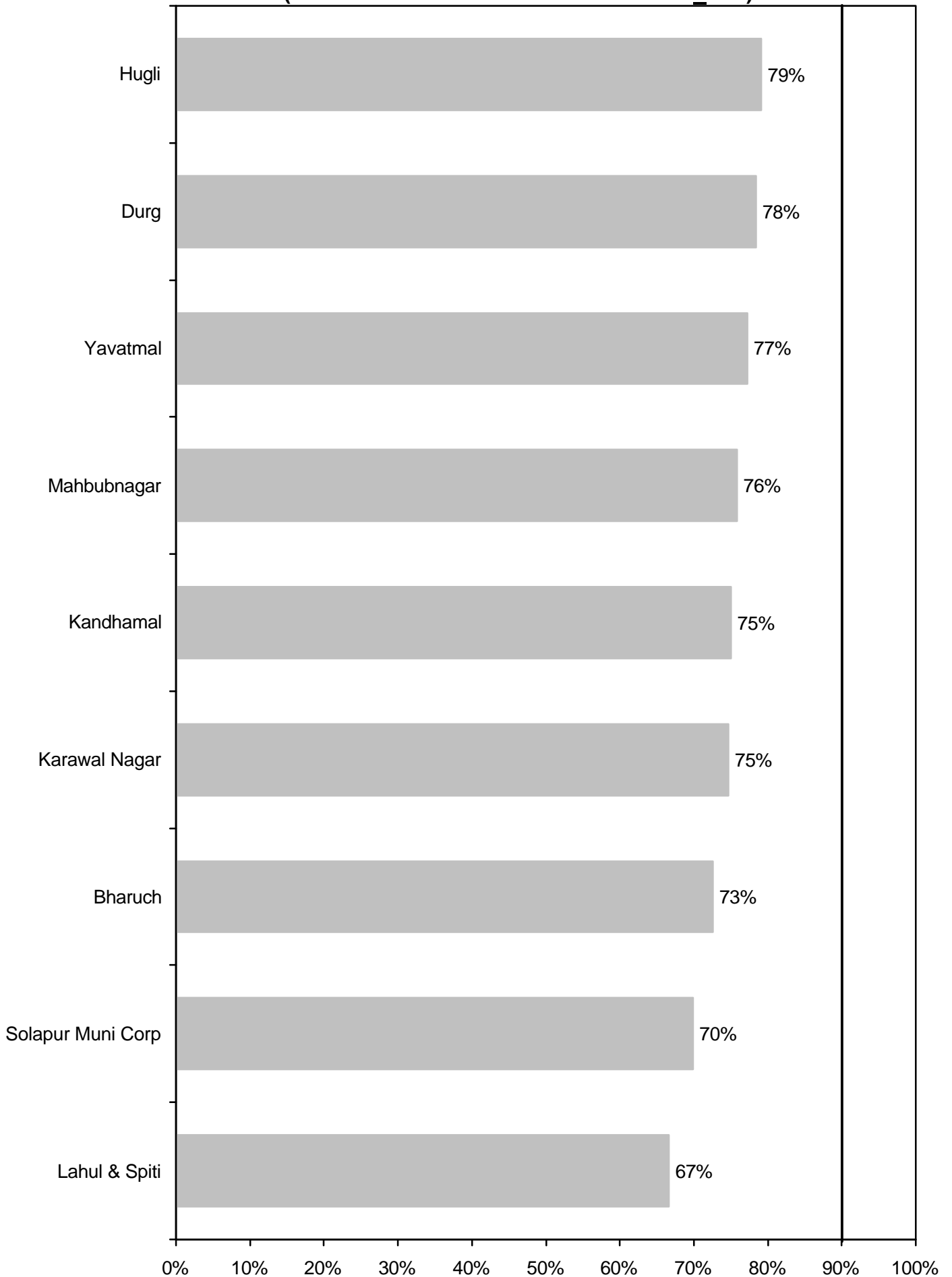
Cure rate among new sputum-positive patients, fourth quarter of 2001



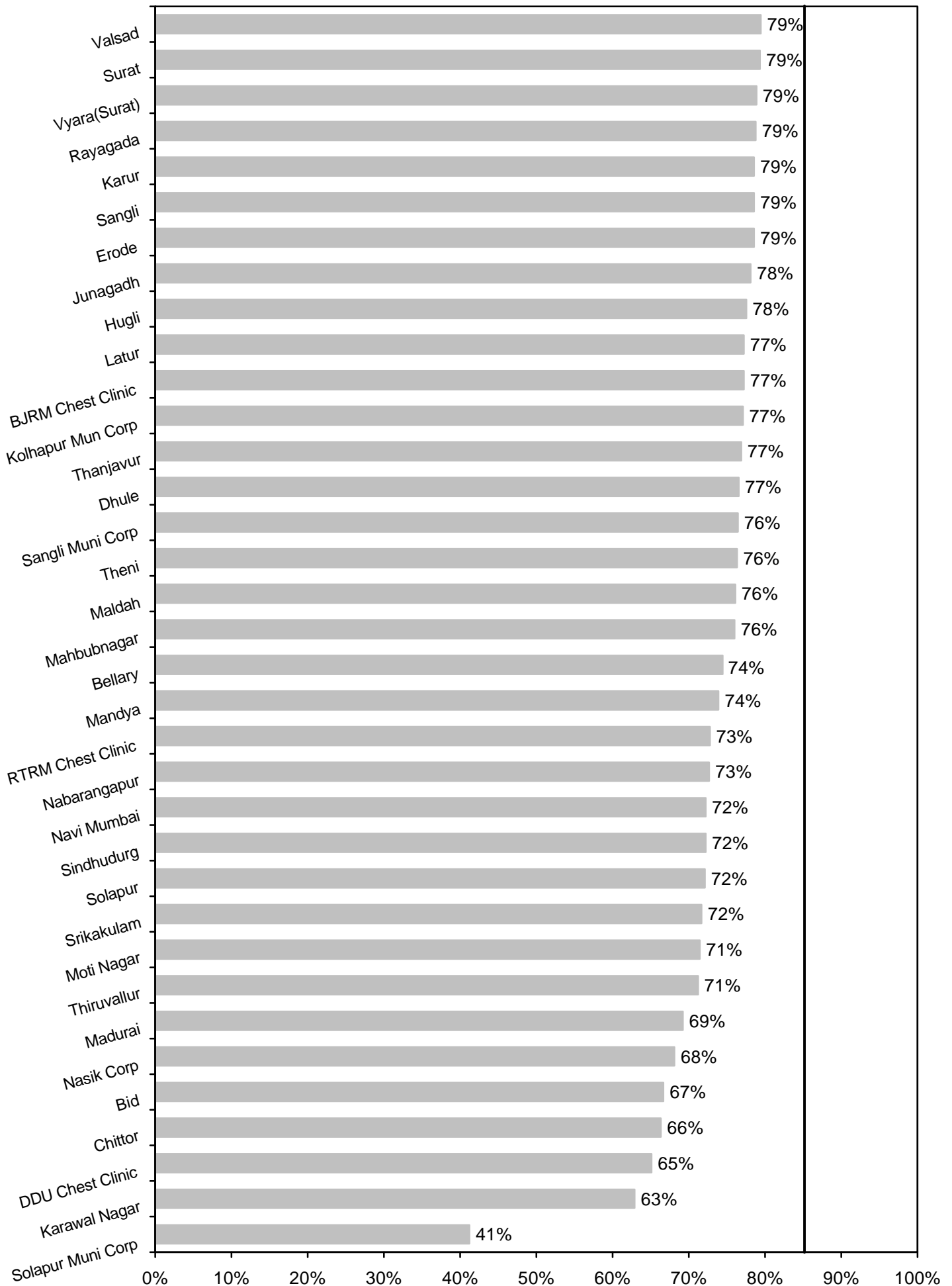
**Forty-six (16%) districts with a high ratio of new sputum-negative to new sputum-positive patients, fourth quarter of 2002
(all other districts had a ratio ≤ 1.2)**



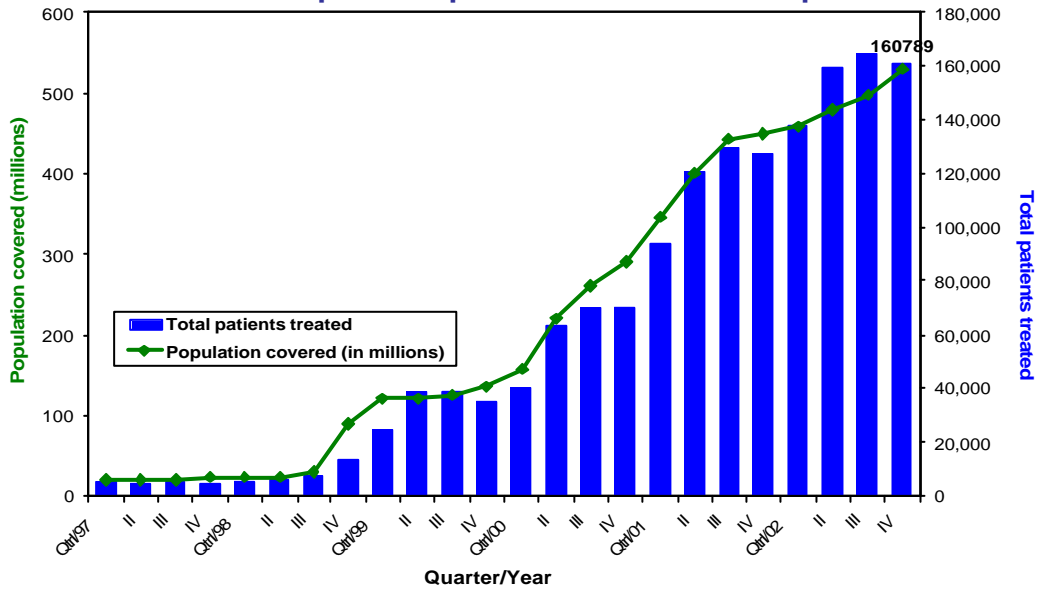
**Nine (3%) districts with low sputum conversion rate among new sputum-positive patients at 3 months, third quarter of 2002
(all other districts had conversion rates $\geq 80\%$)**



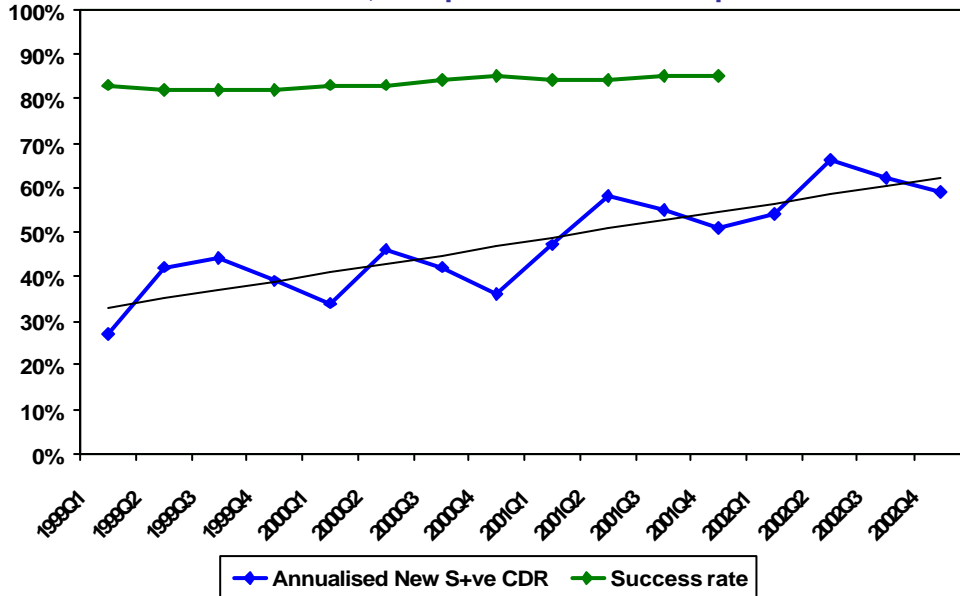
Thirty-five (12%) districts with low cure rates among new sputum-positive patients, fourth quarter of 2001 (all other districts had cure rates $\geq 80\%$)



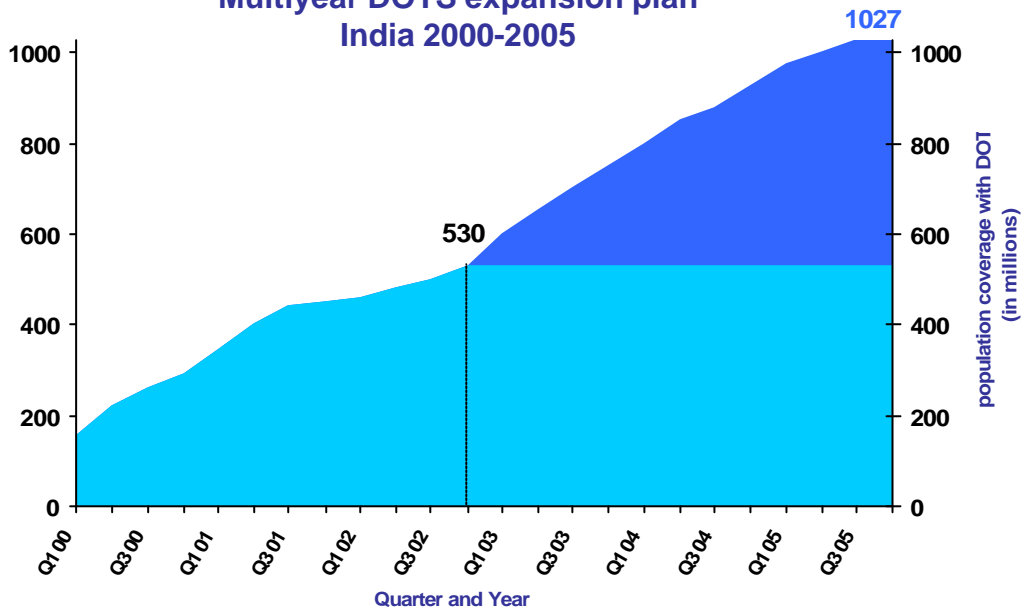
Population in India covered under DOTS and total tuberculosis patients put on treatment each quarter



India: Annualized new smear positive case detection rate and success rate, 1st quarter 1999 to 4th quarter 2002



Multiyear DOTS expansion plan India 2000-2005



Cure Rate by District, India

Fourth quarter, 2001

