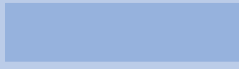


Africa



The Americas



Eastern Mediterranean



Europe



South-East Asia







Western Pacific



SOUTH-EAST ASIA: SUMMARY OF TB CONTROL POLICIES

	STATUS ^a	MANUAL ^b	MICROSCOPY ^c	SCC ^d	DOT ^e	MONITORING OUTCOME ^f
BANGLADESH	DOTS	YES				
BHUTAN	DOTS	YES				
DPR KOREA	DOTS	YES				
INDIA	DOTS	YES				
INDONESIA	DOTS	YES				
MALDIVES	DOTS	YES				
MYANMAR	DOTS	YES				
NEPAL	DOTS	YES				
SRI LANKA	DOTS	YES				
THAILAND	DOTS	YES				
TIMOR-LESTE	DOTS					

SEAR

	Implemented in all units/areas
	Implemented in some units/areas
	Not implemented
	Unknown

- a Status: DOTS status (bold indicates DOTS introduced in 2003. Blank indicates no report received)
 b Manual: national TB control manual (recommended)
 c Microscopy: use of smear microscopy for diagnosis (core component of DOTS)
 d SCC: short course chemotherapy (core component of DOTS)
 e DOT: directly observed treatment (core component of DOTS)
 f Outcome monitoring: monitoring of treatment outcomes by cohort analysis (core component of DOTS)

Country data for South-East Asia: estimated burden of TB

	Incidence, 1990			Prevalence, 1990			Death, 1990			Incidence, 2003			Prevalence, 2003			Death, 2003		
	All cases incl. HIV+	New sst. incl. HIV+	All cases excl. HIV+	All cases incl. HIV+	All cases excl. HIV+	All cases incl. HIV+	All cases incl. HIV+	All cases excl. HIV+	All cases incl. HIV+	All cases excl. HIV+	All cases incl. HIV+	All cases excl. HIV+	All cases incl. HIV+	All cases excl. HIV+	All cases incl. HIV+	All cases excl. HIV+	All cases incl. HIV+	All cases excl. HIV+
	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate
Bangladesh	269 193	246	121 126	111	810 699	741	71 342	65	162 331	111	719 411	490	719 339	490	83 533	57	83 467	57
Bhutan	3 526	208	1 586	94	10 618	626	934	55	1 121	50	4 378	194	4 377	194	467	21	466	21
DPR Korea	35 493	178	15 972	80	106 891	536	9 406	47	18 124	80	42 429	187	42 428	187	3 549	16	3 549	16
India	1 420 446	168	634 211	75	4 263 735	504	377 611	45	798 338	75	3 085 876	290	3 054 470	287	352 085	33	329 915	31
Indonesia	519 763	285	233 706	128	1 565 313	860	137 748	76	281 946	128	1 483 735	675	1 482 607	674	143 178	65	142 168	65
Maldives	388	180	175	81	1 169	542	103	48	64	20	125	39	125	39	7	2	7	2
Myanmar	69 260	171	30 847	76	208 022	514	18 402	45	37 655	76	92 429	187	90 475	183	12 410	25	11 748	24
Nepal	39 361	211	17 636	95	118 501	636	10 435	56	23 809	95	80 074	318	79 566	316	7 399	29	7 138	28
Sri Lanka	10 186	61	4 582	27	30 677	182	2 700	16	5 187	27	16 956	89	16 948	89	1 685	9	1 680	9
Thailand	77 404	142	34 377	63	226 398	416	21 069	39	39 683	63	130 418	208	127 792	203	12 152	19	10 853	17
Timor-Leste	4 115	556	1 850	250	12 393	1 674	1 091	147	1 944	250	5 872	754	5 863	753	747	96	742	95
Region	2 449 136	190	1 096 068	85	7 354 416	570	650 840	50	1 370 201	85	5 661 702	351	5 623 979	348	617 211	38	591 734	37

See Explanatory notes, page 151.

Country data for South-East Asia: trends in DOTS treatment success and detection rates, 1994–2003

	DOTS new smear-positive treatment success (%)										DOTS new smear-positive case detection rate (%)									
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1995	1996	1997	1998	1999	2000	2001	2002	2003	
Bangladesh	73	71	72	78	80	81	83	84	84	84	7	14	18	23	23	23	25	29	33	
Bhutan	71	97	96	85	90	85	90	93	86	86	28	24	23	22	26	29	31	32	32	
DPR Korea						94	91	91	88	88	0	1	1	2	7	12	24	31	47	
India	83	79	79	82	84	82	84	85	87	87	0	1	1	2	7	12	24	31	47	
Indonesia	94	91	81	54	58	50	87	86	86	86	1	5	7	12	18	19	20	27	33	
Maldives	95	97	93	94	94	94	97	97	95	95	96	97	94	101	81	79	87	106		
Myanmar		66	79	82	82	81	82	81	81	81	26	26	26	29	32	48	56	65	73	
Nepal		85	85	87	89	87	86	88	86	86	6	6	11	16	44	56	56	57	60	
Sri Lanka	77	79	80	76	76	84	77	80	81	81	63	61	71	75	75	68	73	71	70	
Thailand			78	62	68	77	69	75	74	74		0	5	21	39	46	73	65	72	
Timor-Leste							73	81	81	81								59	53	
Region	80	74	77	72	72	73	83	84	85	85	2	4	6	8	14	18	27	33	45	

Country data for South-East Asia: age and sex distribution of smear-positive cases in DOTS areas, 2003 (absolute numbers)

	MALE						FEMALE						ALL								
	0-14	15-24	25-34	35-44	45-54	55-64	65+	0-14	15-24	25-34	35-44	45-54	55-64	65+	0-14	15-24	25-34	35-44	45-54	55-64	65+
Bangladesh	320	5 166	7 275	8 058	6 947	5 501	4 142	544	4 298	4 282	3 258	2 086	1 150	591	864	9 464	11 557	11 316	9 033	6 651	4 733
Bhutan	9	62	50	20	25	20	13	14	57	39	17	13	15	6	23	119	89	37	38	35	19
DPR Korea	81	1 101	2 173	2 541	2 340	1 327	562	90	792	1 542	1 531	1 316	723	326	171	1 893	3 715	4 072	3 656	2 050	888
India	1 890	42 830	54 948	56 283	47 204	30 256	16 242	4 120	31 332	31 895	19 662	11 520	6 903	3 379	6 010	74 162	86 843	75 945	58 724	37 159	19 621
Indonesia	532	9 570	12 647	10 925	9 558	6 720	3 615	608	8 734	10 127	7 889	6 085	3 907	1 649	1 140	18 304	22 774	18 814	15 643	10 627	5 264
Maldives	1	14	7	4	9	9	4	0	8	5	1	5	1	0	1	22	12	5	14	10	4
Myanmar	107	2 536	4 408	4 427	3 269	1 974	1 296	154	1 781	2 442	2 003	1 491	943	617	261	4 317	6 850	6 430	4 760	2 917	1 913
Nepal	122	2 039	1 658	1 619	1 769	1 639	735	189	1 283	1 107	873	609	486	220	311	3 322	2 765	2 492	2 378	2 125	965
Sri Lanka	11	286	399	609	665	421	315	12	250	181	148	149	103	103	23	536	580	757	814	524	418
Thailand	41	1 636	4 615	4 259	3 497	2 740	3 241	49	944	1 678	1 350	1 279	1 264	1 866	90	2 580	6 293	5 609	4 776	4 004	5 107
Timor-Leste	5	130	135	107	98	66	41	13	98	116	76	76	43	17	18	228	251	183	174	109	58
Region	3 119	65 370	88 315	88 852	75 381	50 673	30 206	5 793	49 577	53 414	36 808	24 629	15 538	8 774	8 912	114 947	141 729	125 660	100 010	66 211	38 980

Note: the sum of cases notified by age is less than the number of new smear-positive cases notified for some countries.

Country data for South-East Asia: age and sex distribution of smear-positive cases in non-DOTS areas, 2003 (absolute numbers)

	MALE						FEMALE						ALL									
	0-14	15-24	25-34	35-44	45-54	55-64	65+	0-14	15-24	25-34	35-44	45-54	55-64	65+	0-14	15-24	25-34	35-44	45-54	55-64	65+	
Bangladesh																						
Bhutan																						
DPR Korea	5	53	106	137	129	85	72	3	31	81	76	79	46	44	8	84	187	213	208	131	116	
India	521	4 421	6 810	7 304	5 661	3 483	1 776	625	3 179	4 422	3 658	2 535	1 419	606	1 146	7 600	11 232	10 962	8 196	4 902	2 362	
Indonesia																						
Maldives																						
Myanmar																						
Nepal																						
Sri Lanka	1	25	68	85	126	74	74	2	55	37	38	38	29	17	3	80	105	123	164	103	91	
Thailand																						
Timor-Leste																						
Region	527	4 499	6 984	7 526	5 916	3 642	1 922	630	3 265	4 540	3 772	2 652	1 494	667	1 157	7 764	11 524	11 298	8 568	5 136	2 589	

Note: the sum of cases notified by age is less than the number of new smear-positive cases notified for some countries.

Country data for South-East Asia: smear-positive notification rates (per 100 000 population) by age and sex, 2003

	ALL													
	MALE						FEMALE							
	0-14	15-24	25-34	35-44	45-54	55-64	65+	0-14	15-24	25-34	35-44	45-54	55-64	65+
Bangladesh	1	34	62	93	123	183	178	2	30	39	40	39	37	24
Bhutan	2	27	33	19	33	38	29	3	25	26	17	17	27	12
DPR Korea	3	64	115	148	227	135	100	3	48	85	92	129	68	43
India	1	45	71	91	106	108	70	3	36	46	36	30	26	14
Indonesia	2	44	67	74	94	108	71	2	41	54	54	60	56	26
Maldives	1	41	32	25	90	152	69	0	24	24	7	49	19	0
Myanmar	1	52	106	147	151	149	123	2	37	58	64	65	66	49
Nepal	2	80	90	122	198	276	169	4	54	63	67	68	78	44
Sri Lanka	1	17	30	47	68	63	58	1	18	15	14	19	21	18
Thailand	1	29	83	93	107	137	194	1	17	29	27	36	59	89
Timor-Leste	3	131	265	224	300	331	363	9	111	319	168	248	211	142
Region	1	44	72	91	109	117	85	3	35	47	41	38	35	22

Note: rates are missing where data for smear-positive cases are missing, or where age- and sex-specific population data are not available.

Country data for South-East Asia: number of TB cases notified, 1980-2003

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Bangladesh	39 774	42 544	49 870	52 961	45 679	41 802	45 599	45 355	44 280	45 191	48 673	56 052	31 400	54 001	48 276	56 437	63 471	63 420	72 256	79 339	75 557	76 302	81 963	88 156
Bhutan	1 539	2 557	720	1 017	904	1 073	1 582	608	1 126	1 525	1 154	996	140	108	1 159	1 299	1 271	1 211	1 292	1 174	1 140	1 037	1 089	1 026
DPR Korea	0								0									11 050	1 152	12 287	34 131	29 284	40 159	41 810
India	705 600	769 540	923 095	1 075 098	1 109 310	1 168 804	1 279 536	1 403 122	1 457 288	1 510 500	1 519 182	1 555 353	1 121 120	1 081 279	1 114 374	1 218 183	1 290 343	1 132 859	1 02 002	1 218 743	1 115 718	1 085 075	1 060 951	1 073 065
Indonesia	25 235	32 461	33 000	31 809	32 432	17 661	16 750	16 750	97 505	105 516	74 470	60 808	98 458	62 966	49 647	35 529	24 647	22 164	40 497	69 064	84 591	92 792	155 188	176 260
Maldives	73	112	111	143	123	91	111	115	85	203	152	123	92	175	249	231	212	173	176	153	132	139	125	137
Myanmar	12 744	12 461	12 069	11 012	11 045	10 506	10 840	11 986	9 348	10 940	12 416	14 905	17 000	19 009	15 583	18 229	22 201	17 122	14 756	19 626	30 840	42 838	57 012	75 744
Nepal	1 020	337	1 459	700	190	52	252	1 012	1 603	11 003	10 142	8 983	6 802	13 161	15 572	19 804	22 970	24 158	24 135	27 356	29 519	29 519	30 359	30 925
Sri Lanka	6 212	6 288	7 334	6 666	6 376	5 889	6 596	6 411	6 092	6 429	6 666	6 174	6 802	6 809	6 132	5 710	5 366	6 542	6 925	7 157	8 413	7 499	8 939	8 998
Thailand	45 704	49 452	48 553	65 413	69 240	77 611	52 152	51 835	50 021	44 553	46 510	43 858	47 697	49 668	47 767	45 428	39 871	30 262	15 850	29 413	34 187	49 656	49 581	54 504
Timor-Leste																							2 760	2 760
Region	837 901	915 952	1 076 211	1 244 819	1 275 299	1 323 509	1 413 418	1 520 444	1 667 348	1 735 860	1 719 365	1 747 252	1 322 709	1 287 176	1 298 759	1 400 850	1 470 352	1 308 981	1 279 041	1 464 312	1 414 228	1 414 141	1 485 366	1 552 625
number reporting	9	8	8	8	8	8	8	7	9	8	8	8	7	8	8	8	8	9	9	9	9	9	10	11
percent reporting	100	89	89	89	89	89	89	78	100	89	89	89	78	89	89	89	89	100	100	100	100	100	100	100

Country data for South-East Asia: case notification rates (per 100 000 population), 1980–2003

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Bangladesh	47	49	56	58	48	43	46	45	43	42	44	50	27	46	40	46	50	49	55	59	55	54	57	60
Bhutan	117	197	52	72	62	72	104	39	70	92	68	58	8	6	65	72	69	64	66	59	55	49	50	45
DPR Korea									0									51	5	56	153	131	178	184
India	102	109	129	147	148	153	164	176	179	182	179	180	127	121	122	131	136	117	112	122	110	105	101	101
Indonesia	17	21	21	20	20	11	10	10	55	59	41	33	52	33	26	18	12	11	20	33	40	43	71	81
Maldives	46	69	66	83	69	50	59	59	42	97	70	55	40	74	102	92	82	65	64	54	45	46	40	43
Myanmar	38	36	34	31	30	28	29	31	24	27	31	36	41	45	36	41	50	38	32	42	65	89	117	153
Nepal	7	2	9	4	1	0	1	6	9	60	54	47	66	66	76	95	107	110	107	119	126	123	123	123
Sri Lanka	43	43	49	44	41	38	42	40	37	39	40	36	39	39	35	32	30	36	38	39	45	40	47	47
Thailand	99	105	101	134	139	153	101	99	95	83	86	80	85	88	84	79	68	51	27	49	56	81	80	87
Timor-Leste																						374	355	
Region	80	85	98	111	111	113	119	125	134	137	133	133	99	94	93	99	102	89	86	96	92	90	94	96

Country data for South-East Asia: new smear-positive cases, 1993-2003

	Number of cases										Rate (per 100 000 population)											
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Bangladesh	18 993	1 710	20 524	29 674	33 117	37 737	37 821	38 484	40 777	46 811	53 618	16	1	17	23	26	29	28	28	29	33	37
Bhutan		352	367	308	284	270	315	347	359	364	360		20	20	17	15	14	16	17	17	17	16
DPR Korea					3 980	403	5 073	16 440	14 429	18 576	17 392					18	2	23	74	64	82	77
India	225 256	226 543	264 515	290 953	274 877	278 275	345 150	349 374	384 827	395 833	433 271	25	25	28	31	28	28	35	34	37	38	41
Indonesia	62 966	49 647	31 768	11 790	19 492	32 280	49 172	52 338	53 965	76 230	92 566	33	26	16	6	10	16	24	25	25	35	42
Maldives	126	125	114	106	95	88	88	65	59	60	68	53	51	46	41	36	32	31	22	20	19	21
Myanmar			8 681	9 716	9 695	10 089	11 458	17 254	21 161	24 162	27 448			20	22	21	22	24	36	44	49	55
Nepal	6 679	10 442	8 591	10 365	11 323	11 306	13 410	13 683	13 683	13 714	14 348	33	51	41	48	52	50	58	58	57	56	57
Sri Lanka	3 335	3 405	3 049	2 988	3 506	3 761	3 911	4 314	4 316	4 297	4 321	19	19	17	16	19	21	21	23	23	23	23
Thailand		20 260	20 273	16 997	13 214	7 962	14 934	17 754	28 363	25 593	28 459		35	35	29	22	13	25	29	46	41	45
Timor-Leste										1 090	1 027										148	132
Region	317 355	312 484	357 882	372 867	369 583	382 171	481 332	510 053	561 939	606 730	672 878	23	22	25	26	25	26	32	33	36	38	42

Notes

Bangladesh

There is a discrepancy between the population estimate used by the national TB programme (137 059 519) and that used by the UN (146 736 131). Using the country's population estimate, there would be 336 976 estimated TB cases (of which, 162 331 smear-positive cases), and DOTS detection of smear-positive cases would be 35% (instead of 33%).

Bhutan

Estimates of the population vary widely, from 800 000 to over 2 million. The UN population estimate is 2.2 million.

India

DOTS coverage reached 73% by the end of 2003, but it was 67% calculated on a quarter-by-quarter basis (starting from 60% in the first quarter). Cases notified under DOTS included 31 341 cases (of which 13 603 were new smear-positive) in patients receiving non-rifampicin regimens.

Myanmar

DOTS coverage was 95% in 2003, but reached 100% by end of the year.

Nepal

Data refer to a mid-July to mid-July calendar.

Thailand

Data refer to an October–September calendar.

Timor-Leste

DOTS coverage was not reported, but assumed to be same as in the previous report.

Africa



The Americas



Eastern Mediterranean



Europe



South-East Asia



Western Pacific

