

Summary by WHO region ...

Africa ...

The Americas ...

**Eastern Mediterranean...**

Europe ...

South-East Asia ...

Western Pacific ...

# Eastern Mediterranean

## NTP MANAGER (OR EQUIVALENT); PERSON FILLING OUT DATA COLLECTION FORM (IF DIFFERENT)

Afghanistan	Hayat Ahmadzai
Bahrain	Saeed Alsaffar
Djibouti	Chakib Omar
Egypt	Essam El-Moghazy; Ismail Abu Shamaa
Iran (Islamic Republic of)	Mahshid Nasehi; Shahnaz Ahmadi
Iraq	Dhafer Hashim
Jordan	Khaled Abu Rumman; Nadia Abu Sabra
Kuwait	Rashed Al-Owaish; Mohamed Gaafar
Lebanon	Mtarios Saade
Libyan Arab Jamahiriya	Ahmed Balluz
Morocco	Naima Ben Cheikh
Oman	Hassan Al-Tuhami
Pakistan	Hassan Sadiq; Ali Akbar
Qatar	Abdul Latif Al-Khal
Saudi Arabia	Riyad Al-Khlaif; Mohammad Abouzeid
Somalia	Aiyed Munim
Sudan	Ali Abdrahman; Sindani Sebit
Syrian Arab Republic	Fadia Maamari
Tunisia	Ridha Djebeniani
United Arab Emirates	Juma Bilol Fairouz; Kifah Ibrahim
West Bank and Gaza Strip <sup>1</sup>	Samih Shaheen
Yemen	Amin Al-Absi; Abdul-Bari Al-Hammadi

**This list shows the people named on the data collection form sent to WHO in 2006, not necessarily the current NTP manager. It is intended as an acknowledgement rather than a directory.**

<sup>1</sup> Refers to a territory.

## EASTERN MEDITERRANEAN : SUMMARY OF TB CONTROL POLICIES

	DOTS COVERAGE, %	NTP MANUAL	SMEAR MICROSCOPY FOR DIAGNOSIS	STANDARDIZED CHEMOTHERAPY	DOT	MONITORING OUTCOMES	CASES NOTIFIED BY TYPE, AGE & SEX	2004 COHORT OUTCOMES REPORTED: NEW; RETREATMENT	SMEAR MICROSCOPY FREE-OF-CHARGE	DRUGS FREE-OF-CHARGE	UNINTERRUPTED DRUG SUPPLY	EQA FOR SMEAR MICROSCOPY	STRATEGIC HRD PLAN	TB CONTROL CURRICULA OF DOCTORS AND NURSES	UP-TO-DATE JOB DESCRIPTIONS	GUIDELINES FOR PRIVATE PRACTITIONERS	PUBLIC PROVIDERS NOTIFIED/REFERRED	PRIVATE PROVIDERS NOTIFIED/REFERRED	ISTC PROMOTED IN 2006	HEALTH SYSTEM STRENGTHENING IN PLAN	PAL IN PLAN	COMMUNITY-BASED TB CARE	PATIENTS' CHARTER PROMOTED IN 2006	OPERATIONAL RESEARCH	MDR-TB MGMT; IN LINE WITH WHO GUIDELINES	HIV COUNSELLING & TESTING	SURVEILLANCE OF HIV PREV. IN TB PTS
AFGHANISTAN	81	■	●	■	■	■	■	■	■	■	■	■	■	■	■	■	●	●	■	■	■	■	■	■	■	■	■
BAHRAIN	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
DJIBOUTI	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
EGYPT	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
IRAN (ISLAMIC REPUBLIC OF)	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
IRAQ	87	■	●	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
JORDAN	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
KUWAIT	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
LEBANON	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
LIBYAN ARAB JAMAHIRIYA	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
MOROCCO	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
OMAN	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
PAKISTAN	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
QATAR	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SAUDI ARABIA	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SOMALIA	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SUDAN	91	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
SYRIAN ARAB REPUBLIC	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
TUNISIA	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
UNITED ARAB EMIRATES	20	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
WEST BANK AND GAZA STRIP	100	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
YEMEN	93	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
EMR	97	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

DOT indicates directly observed treatment; EQA, external quality assurance; HRD, human resources development; ISTC, International Standards for Tuberculosis Care; PAL, Practical Approach to Lung Health; prev., prevalence.

First number in final row shows regional coverage; remaining numbers show the proportion of countries for which the answer is "yes" or "all" (i.e. those shown in dark green in the table).

■ Yes/all ● Some/partially ▲ Answer not provided NA Not applicable. See explanatory notes on page 163 for details of colour-coding.



Table A2.2 Whole country case notifications and case detection rates, Eastern Mediterranean, 2005

	TB cases notified from whole country (DOTS + non-DOTS)												Incidence and case detection rates				Proportions			
	Country total		New and relapse (WHO total)		New pulmonary		New extra-pulmonary		Re-treatment cases		Case detection rates		Estimated incidence		ss+ (% of pulm.)		Extrapulm. (% of new+relapse)		Re-treat. (% of new+re-treat.)	
	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate
Afghanistan	29 863	21 844	73	9 949	33	6 085	4 954	856	0	0	0	0	0	0	0	0	0	0	0	0
Bahrain	727	280	39	101	14	72	107	0	0	0	0	0	0	0	0	0	0	0	0	0
Djibouti	793	3 170	3 109	392	1 120	141	739	1 058	0	192	19	42	0	0	0	0	0	0	0	0
Egypt	74 033	11 735	11 446	15	5 217	7	2 617	3 163	0	449	198	91	0	0	0	0	0	0	0	0
Iran (Islamic Republic of)	69 515	9 608	9 422	14	4 686	7	1 870	2 578	288	128	58	58	0	0	0	0	0	0	0	0
Iraq	28 807	9 454	9 454	33	3 086	11	2 887	2 703	768	0	0	0	0	0	0	0	0	0	0	0
Jordan	5 703	371	367	6	86	2	76	187	12	2	0	0	0	0	0	0	0	0	0	0
Kuwait	2 687	517	517	19	187	7	95	234	0	1	0	0	0	0	0	0	0	0	0	0
Lebanon	3 577	391	391	11	131	4	75	181	0	0	0	0	0	0	0	0	0	0	0	0
Libyan Arab Jamahiriya	5 853	1 622	2 098	36	860	15	474	762	2	3	266	0	0	0	0	0	0	0	0	0
Morocco	31 478	26 269	83	12 757	41	2 142	11 370	0	0	0	0	0	0	0	0	0	0	0	0	0
Oman	2 567	257	261	10	131	5	37	89	4	0	0	0	0	0	0	0	0	0	0	0
Pakistan	157 935	140 214	137 574	87	47 154	30	65 392	22 411	0	2 617	1 813	827	0	0	0	0	0	0	0	0
Qatar	813	325	325	40	96	12	73	156	0	0	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	24 573	3 539	3 539	14	1 722	7	545	1 067	0	205	0	0	0	0	0	0	0	0	0	0
Somalia	8 228	13 006	12 904	157	7 068	86	3 168	2 258	0	410	60	22	20	0	0	0	0	0	0	0
Sudan	36 233	29 178	27 562	76	12 730	35	9 212	5 434	0	186	31	33	1 552	33	35	35	35	35	35	35
Syrian Arab Republic	19 043	4 383	4 310	23	1 350	7	796	2 103	0	61	28	21	34	60	42	42	42	42	42	42
Tunisia	10 102	2 087	2 079	21	915	9	239	874	51	0	0	0	0	0	0	0	0	0	0	0
United Arab Emirates	4 496	103	103	2	62	1	12	25	4	0	0	0	0	0	0	0	0	0	0	0
West Bank and Gaza Strip	3 702	28	28	1	7	0	6	15	7	0	0	0	0	0	0	0	0	0	0	0
Yemen	20 975	8 063	9 063	43	3 379	16	2 780	2 553	351	0	0	0	0	0	0	0	0	0	0	0
<b>EMR</b>	<b>541 704</b>	<b>259 802</b>	<b>282 945</b>	<b>52</b>	<b>112 804</b>	<b>21</b>	<b>99 392</b>	<b>64 282</b>	<b>12</b>	<b>6 455</b>	<b>2 284</b>	<b>1 360</b>	<b>1 608</b>	<b>49</b>	<b>45</b>	<b>40</b>	<b>23</b>	<b>28</b>	<b>28</b>	<b>28</b>

ss+ indicates sputum smear-positive; ss-, sputum smear-negative; unk., sputum smear result unknown; re-treat., re-treatment; pulm.lab. confirmed, pulmonary case confirmed by positive smear or culture. See Explanatory notes on page 163 for further details. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.3 DOTS coverage, case notifications and case detection rates, Eastern Mediterranean, 2005

	TB cases reported from DOTS services														Estimated incidence and case detection rate				Proportions									
	DOTS coverage (%)		New and relapse (WHO total)		New pulmonary ss+ / unsk. / unsk. / unsk.		New extra-pulmonary new		Relapse After failure		Re-treatment cases		Other re-treat.		New pulm. lab. confirm.		Estimated incidence all forms		Case detection rate all new		ss+ (% of pulm.)		Extrapulm. (% of new+re-treat.)		Re-treat. (% of new+re-treat.)			
	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate
Afghanistan	81	21 844	73	9 949	33	6 085	4 954	856	0	0	0	0	0	0	0	0	0	50 249	22 611	42	44	62	46	23	38	4	4	
Bahrain	100	280	39	101	14	72	107	0	0	0	0	0	0	0	0	0	0	293	132	96	77	58	36	38	38	38	38	
Djibouti	100	3 109	392	1 120	141	739	1 058	0	192	19	42	0	0	0	0	0	0	6 045	2 657	48	42	60	36	34	34	8	8	
Egypt	100	11 446	15	5 217	7	2 617	3 163	0	449	198	91	0	0	0	0	0	0	18 479	8 314	60	63	67	46	28	28	6	6	
Iran (Islamic Republic of)	100	9 422	14	4 686	7	1 870	2 578	288	128	58	0	0	0	0	0	0	0	16 322	7 336	56	64	71	50	27	27	5	5	
Iraq	87	9 454	33	3 096	11	2 887	2 703	788	0	0	0	0	0	0	0	0	0	16 137	7 261	54	43	52	33	29	29	8	8	
Jordan	100	367	6	86	2	76	187	12	6	2	0	0	0	0	0	0	0	305	137	118	63	53	23	51	51	3	3	
Kuwait	100	517	19	187	7	95	234	0	1	0	0	0	0	0	0	0	0	633	285	82	66	66	36	45	45	0	0	
Lebanon	100	391	11	131	4	75	181	0	4	0	0	0	0	0	0	0	0	392	176	99	74	64	34	46	46	1	1	
Libyan Arab Jamahiriya	100	2 098	36	860	15	474	762	2	3	266	0	0	0	0	0	0	0	1 079	484	194	178	64	41	36	36	11	11	
Morocco	100	26 269	83	12 757	41	2 142	11 370	0	2	0	0	0	0	0	0	0	0	28 088	12 629	94	101	86	49	43	43	2	2	
Oman	100	261	10	131	5	37	89	4	0	0	0	0	0	0	0	0	0	270	121	95	108	78	50	34	34	2	2	
Pakistan	100	137 574	87	47 154	30	65 392	22 411	0	2 617	1 813	827	0	0	0	0	0	0	286 291	128 724	47	37	42	34	16	16	4	4	
Qatar	100	325	40	96	12	73	156	0	0	0	0	0	0	0	0	0	0	450	202	72	47	57	30	48	48	0	0	
Saudi Arabia	100	3 539	14	1 722	7	545	1 067	0	205	0	0	0	0	0	0	0	0	10 176	4 579	33	38	76	49	30	30	6	6	
Somalia	100	12 904	157	7 068	86	3 168	2 258	0	410	60	22	20	0	0	0	0	0	18 442	8 240	68	86	69	55	17	17	4	4	
Sudan	91	27 562	76	12 730	35	9 212	5 434	0	186	31	33	1 552	0	0	0	0	0	82 694	36 741	33	35	58	46	20	20	6	6	
Syrian Arab Republic	100	4 310	23	1 350	7	796	2 103	0	61	28	21	34	0	0	0	0	0	7 067	3 180	60	42	63	31	49	49	3	3	
Tunisia	100	2 079	21	915	9	239	874	51	0	0	0	0	0	0	0	0	0	2 465	1 109	82	82	79	44	42	42	2	2	
United Arab Emirates	20	103	2	62	1	12	25	0	4	2	0	0	0	0	0	0	0	708	318	14	19	84	60	24	24	6	6	
West Bank and Gaza Strip	100	28	1	7	0	6	15	0	0	0	0	0	0	0	0	0	0	788	355	4	2	54	25	54	54	6	6	
Yemen	93	5 825	28	3 192	15	1 052	1 245	336	0	0	0	0	0	0	0	0	0	17 179	7 722	32	41	75	55	21	21	6	6	
<b>EMR</b>	<b>97</b>	<b>279 707</b>	<b>52</b>	<b>112 617</b>	<b>21</b>	<b>97 664</b>	<b>62 974</b>	<b>12</b>	<b>6 440</b>	<b>2 284</b>	<b>1 360</b>	<b>1 608</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>564 551</b>	<b>253 316</b>	<b>48</b>	<b>44</b>	<b>54</b>	<b>40</b>	<b>40</b>	<b>23</b>	<b>23</b>	<b>4</b>	<b>4</b>

ss+ indicates sputum smear-positive; ss- sputum smear-negative; unsk., sputum smear result unknown; re-treat., re-treatment; pulm.lab. confirmed, pulmonary case confirmed by positive smear or culture. See Explanatory notes on page 163 for further details. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.4 Laboratory services, collaborative TB/HIV activities and management of MDR-TB, Eastern Mediterranean, 2004–2005

	Collaborative TB/HIV activities										Management of MDR-TB, 2005									
	Laboratory services, 2005					2004					2005									
	number of smears	number of labs working with culture	DST	NTP	number of labs included in EOA	TB pts tested for HIV	TB pts HIV-positive	TB pts CPT	TB pts ART	HIV+ TB pts	TB pts tested for HIV	TB pts HIV-positive	TB pts CPT	TB pts ART	HIV+ TB pts	Lab-confirmed MDR	DST in new cases	MDR in new cases	Re-treatment DST	Re-treatment MDR
Afghanistan	435	0	0	0	0	150	5	0	0	129	4	0	0	0	1	2	2	0	0	2
Bahrain	8	2	1	1	0	149	92	13	13	224	135	20	20	0	39	0	0	0	0	0
Djibouti	158	18	1	1	18										27	205	7	41	15	15
Egypt	375	29	1	1	376										19	98	9	33	10	10
Iran (Islamic Republic of)	18	1	1	1	0										6	516	6	1	0	0
Jordan	150	50	1	1	11	91	0	0	0	86	0	0	0	0	3	48	0	4	2	2
Kuwait	12	1	1	1	12	557	2	2	2	517	3	3	3	0	8	4	4	4	4	4
Lebanon	8	1	1	1	1	0				0					180	180	5			4
Libyan Arab Jamahiriya	24	2	1	1	1										5		5			4
Morocco	167	12	2	2	167					212	10	0	0	0	0	0	0	0	0	0
Oman	139	10	1	1	2	230	8	0	0	0	0	0	0	0	2	264	2	0	0	0
Pakistan	982	3	0	0	316	0	0	0	0	597	0	0	0	0	0	0	0	0	0	0
Qatar	1	1	1	1	2	272	1	0	0						2		2			0
Saudi Arabia	20	10	10												0		0			0
Somalia	46	0	0	0	0	300	19	10	10	375	21	8	8	0	45	0	0	4	4	4
Sudan	332	0	0	0	117	180	150	15	15	180	150	15	15	0	7	0	0	0	0	0
Syrian Arab Republic	143	1	1	1	50	200	0	0	0	345	0	0	0	0	2	2	2	2	2	2
Tunisia	66	7	3	3	66	164	0	0	0	129	2	2	2	0	2	0	0	0	0	4
United Arab Emirates	3	0	0	0	4	24	0	0	0	13	0	0	0	0	1					
West Bank and Gaza Strip	214	4	1	1	4										345	1 317	35	83	41	41
Yemen	3 311	152	27	27	1 143	2 137	127	25	15	2 807	325	48	40	40	345	1 317	35	83	41	41
<b>EMR</b>	<b>3 311</b>	<b>152</b>	<b>27</b>	<b>27</b>	<b>1 143</b>	<b>2 137</b>	<b>127</b>	<b>25</b>	<b>15</b>	<b>2 807</b>	<b>325</b>	<b>48</b>	<b>40</b>	<b>40</b>	<b>345</b>	<b>1 317</b>	<b>35</b>	<b>83</b>	<b>41</b>	<b>41</b>

ART indicates antiretroviral therapy; CPT, co-trimoxazole preventive therapy; EOA, external quality assurance; HIV+, HIV-positive; pls, patients. See Explanatory notes on pages 163 for further details. Some countries provided the number of TB patients found to be HIV-positive, but did not provide the number of TB patients tested. The regional total of TB patients tested is therefore lower than the number of patients actually tested, and cannot be used to calculate a regional estimate of HIV prevalence in TB patients. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.5 Treatment outcomes, Eastern Mediterranean, 2004 cohort

	New smear-positive cases, DOTS												New smear-positive cases, non-DOTS												Smear-positive re-treatment cases, DOTS											
	Number of cases				% of cohort				% Success	Number of cases				% of cohort				% Success	Number				% of cohort				% Success									
	Notified	Regist'd	Cured	Completed	Notified	Regist'd	Died	Failed		Transferred	Not eval.	Notified	Regist'd	Completed	Failed	Transferred	Not eval.		Notified	Regist'd	Cured	Completed	Died	Failed	Transferred	Not eval.										
Afghanistan	8 273	9 976	121	79	10	3	2	3	3	0	89																									
Bahrain	69	11	16	82	0	18	0	0	0	0	82																									
Djibouti	1 086	1 086	100	72	8	1	1	16	2	0	80																									
Egypt	5 383	5 383	100	60	10	3	2	3	2	20	70																									
Iran (Islamic Republic of)	4 900	4 900	100	79	4	7	3	3	4	0	84																									
Iraq	3 381	3 381	100	78	7	3	3	7	2	0	85																									
Jordan	91	91	100	69	15	5	4	4	1	0	85																									
Kuwait	247	247	100	37	26	1	0	13	23	0	63																									
Lebanon	146	146	100	83	8	2	0	3	4	0	90																									
Libyan Arab Jamahiriya	872	872	100	41	23	2	0	31	3	0	64																									
Morocco	12 280	12 280	100	81	6	2	1	8	0	1	87																									
Oman	160	114	71	90	0	10				0	90																									
Pakistan	33 746	33 152	98	70	12	3	1	11	4	0	82																									
Qatar	73	73	100	70	8	0	0	0	22	0	78																									
Saudi Arabia	1 683	1 412	84	74	8	8	1	8	1	0	82																									
Somalia	6 479	6 479	100	89	2	3	1	5	1	0	91																									
Sudan	12 095	13 018	108	58	19	3	1	7	2	11	77																									
Syrian Arab Republic	1 561	1 561	100	74	12	3	2	7	2	0	86																									
Tunisia	944	944	100	81	9	4	1	2	3	0	90																									
United Arab Emirates	57	57	100	44	26	11	2	16	2	0	70																									
West Bank and Gaza Strip	4	4	100	50	25	25			25	0	50																									
Yemen	3 239	3 239	100	71	12	3	1	8	4	2	82																									
<b>EMR</b>	<b>96 769</b>	<b>98 426</b>	<b>102</b>	<b>72</b>	<b>11</b>	<b>3</b>	<b>1</b>	<b>8</b>	<b>3</b>	<b>3</b>	<b>83</b>																									

Not eval. indicates not evaluated (percentage of registered cases for which outcomes were not recorded); success, sum of cured and completed, cases regist'd, the denominator for calculating treatment outcomes. The number of cases registered for treatment in 2004 is used as the denominator for calculating treatment outcomes unless it is less than the sum of outcomes, in which case the sum of outcomes is used. If the number of cases registered is not reported, then the number of cases notified in 2004 is used, or the sum of outcomes if the latter is greater. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.6 Re-treatment outcomes, Eastern Mediterranean, 2004 cohort

	Relapse, DOTs						After failure, DOTs						After default, DOTs														
	Number regist'd			% of cohort			Number regist'd			% of cohort			Number regist'd			% of cohort											
	Cured	Completed	Not eval.	Success	Failed	Default	Transferred	Not eval.	Success	Failed	Default	Transferred	Not eval.	Success	Failed	Default	Transferred	Not eval.	Success								
Afghanistan	167	66	6	2	0	25	2	0	72	42	36	19	2	19	2	0	55	30	27	33	20	10	10	0	0	60	
Bahrain																											
Djibouti																											
Egypt	313	73	4	7	5	4	5	0	77	140	62	10	6	8	6	0	72										
Iran (Islamic Republic of)	857	56	16	5	8	13	3	0	71																		
Iraq																											
Jordan	2	100	0	0	0	0	0	0	100	3	33	0	33	0	0	33	33										
Kuwait	3	67	33	0	0	0	0	0	100																		
Lebanon	7	14	43				43	0	57																		
Libyan Arab Jamahiriya																											
Morocco																											
Oman																											
Pakistan	2050	72	11	4	2	8	3	0	83																		
Qatar	1	100						0	100																		
Saudi Arabia	107	50	16	12	3	10	2	7	65																		
Somalia	441	85	5	3	1	4	2	0	90	19	74	5	11	5	0	0	79	46	30	22	24	2	20	2	0	52	
Sudan	68	84	6	3	1	6	0	0	90	14	100	0	0	0	0	0	100	10	70	10	10	0	0	0	0	80	
Syrian Arab Republic	83	48	16	5	10	14	7	0	64	50	58	10	10	8	4	0	68	22	95	0	0	0	0	0	0	95	
Tunisia	44	75	5	5	7	9	0	0	80																		
United Arab Emirates																											
West Bank and Gaza Strip	375	64	5	7	2	10	3	9	69																		
Yemen																											
<b>EMR</b>	<b>4 516</b>	<b>69</b>	<b>10</b>	<b>5</b>	<b>3</b>	<b>9</b>	<b>3</b>	<b>1</b>	<b>79</b>	<b>268</b>	<b>60</b>	<b>10</b>	<b>7</b>	<b>9</b>	<b>4</b>	<b>0</b>	<b>70</b>	<b>136</b>	<b>47</b>	<b>16</b>	<b>14</b>	<b>4</b>	<b>17</b>	<b>2</b>	<b>0</b>	<b>63</b>	

Not eval. indicates not evaluated (percentage of registered cases for which outcomes were not recorded); success, sum of cured and completed; cases regist'd, the denominator for calculating treatment outcomes. The number of cases registered for treatment in 2004 is used as the denominator for calculating treatment outcomes unless it is missing or is less than the sum of outcomes, in which case the sum of outcomes is used. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.7 DOTS treatment success and case detection rates, Eastern Mediterranean, 1994–2005

	DOTS new smear-positive treatment success (%)														DOTS new smear-positive case detection rate (%)													
	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005						
Afghanistan				45	33	87	86	84	87	86	89			3	8	8	13	21	29	28	36	44						
Bahrain				13	95	73	87	88	97	82	82					14	15	15	12	11	50	77						
Djibouti		75	77	76	79	72	62	78	82	73	80			96	100	84	74	63	57	52	48	42						
Egypt	52	81	82	87	87	87	87	82	88	80	70			44	11	17	31	45	49	54	58	63						
Iran (Islamic Republic of)		87	84	83	82	85	85	85	84	84	84			42	35	54	58	61	61	62	62	64						
Iraq		83	85	92	89	91	85	85	85	85	85				5	13	51	55	58	52	46	43						
Jordan	90				92	88	90	86	89	87	85			102	74	74	67	75	73	88	70	63						
Kuwait					66	69	73	55	62	63						60	61	58	69	68	85	66						
Lebanon	89				73	96	92	91	91	92	90			45		83	72	71	70	70	79	74						
Libyan Arab Jamahiriya					68	67			61	62	64			92	93	92	90	111	136	148	174	178						
Morocco	86	90	88	89	88	88	89	87	89	86	87			92	121	120	120	122	111	116	85	127						
Oman	84	87	91	86	95	93	90	92	90	90	90			1	2	4	2	3	5	13	17	27						
Pakistan	74	70	67	66	70	74	77	77	77	75	82			33	27	24	43	33	29	41	34	52						
Qatar	83	81	72	79	84	74	66	60	75	73	78																	
Saudi Arabia					57	66	73	77	76	79	82																	
Somalia																												
Sudan																												
Syrian Arab Republic																												
Tunisia																												
United Arab Emirates																												
West Bank and Gaza Strip																												
Yemen																												
<b>EMR</b>	<b>82</b>	<b>87</b>	<b>86</b>	<b>79</b>	<b>77</b>	<b>83</b>	<b>83</b>	<b>83</b>	<b>83</b>	<b>82</b>	<b>83</b>	<b>11</b>	<b>10</b>	<b>11</b>	<b>18</b>	<b>20</b>	<b>24</b>	<b>26</b>	<b>30</b>	<b>32</b>	<b>39</b>	<b>44</b>						

Treatment success, sum of cured and completed; DOTS new smear-positive case detection rate, notified (new and relapse) cases divided by estimated incident cases. The table includes updated information; data shown here may differ from those published in previous reports. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)





Table A2.10 Number of TB cases notified, Eastern Mediterranean, 1980–2005

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Afghanistan	71 685	71 554	41 752	52 502	18 784	10 742	14 351	18 091	18 051	14 386	4 332	23 067						1 290	3 084	3 314	7 107	10 139	13 794	13 808	18 404	21 844
Bahrain	219	262	156	232	208	194	156	120	142	122	117	142	140	114		43	49	45	83	145	207	188	191	261	244	280
Djibouti	2 265	671	1 489	2 262	1 864	1 978	1 864	1 978	2 030	2 040	2 100	2 900	2 884	3 489	3 311		3 332	3 830	3 785	4 133	3 971	4 188	3 191	3 231	2 940	3 109
Egypt	1 637	1 306	1 805	1 932	1 572	1 308	1 209	22 063	1 378	1 492	2 142	3 634	8 876	3 426	3 911	11 145	12 338	13 971	12 662	11 763	10 762	10 549	11 177	11 490	11 620	11 446
Iran (Islamic Republic of)	42 717	11 728	9 509	8 589	10 483	8 728	8 032	10 034	9 967	12 005	9 255	14 246	14 121	20 569	13 021	15 936	14 189	12 659	11 784	12 062	11 850	11 783	11 464	10 900	10 171	9 422
Iraq	11 809	10 614	7 741	6 970	6 807	6 485	6 846	6 517	11 384	14 312	14 735	13 527	14 905	18 553	19 733	9 697	29 196	26 607	29 410	29 897	9 697	10 478	11 898	11 656	10 498	9 454
Jordan	298	646	860	856	672	769	592	537	553	484	439	390	504	427	443	486	468	397	380	373	306	342	312	310	324	367
Kuwait	847	819	880	855	812	717	611	540	480	468	277	330	282	217	237	336	400	528	564	515	513	496	585	566	557	517
Lebanon	67	75	284	410	1 943	2 257	2 478		884	884	940	983	856	701	640	679	571	516	437	380	393	380	437	380	393	391
Libyan Arab Jamahiriya	718	481	512	610	357	325	276	331	416	265	442	239	1 164			1 440	1 282	1 575	1 615	1 341	1 341	1 824	1 824	1 917	1 653	2 098
Morocco	24 878	28 637	28 095	26 944	22 279	26 790	27 553	27 159	25 717	26 756	27 658	27 638	25 403	27 626	30 316	29 829	31 771	30 227	29 807	29 854	28 852	28 285	28 804	26 789	25 909	26 269
Oman	1 872	928	897	802	843	861	1 265	616	477	478	482	442	367	281	304	276	300	298	287	249	321	292	290	255	292	281
Pakistan	316 340	324 576	326 492	117 739	91 572	111 419	149 004	179 480	194 323	170 562	156 759	194 323	73 175			13 142	4 307	4 307	89 589	20 936	11 050	34 066	52 172	69 916	101 562	137 574
Qatar	257	213	172	206	203	250	220	248	223	191	184	195	200	200		304	257	212	263	259	279	284	278	276	272	325
Saudi Arabia	10 956	8 263	8 529	7 551	7 163	3 866	3 656	3 029	2 433	2 583	2 415	2 221	2 016	2 386	2 518			3 138	3 235	3 507	3 452	3 327	3 374	3 317	3 312	3 539
Somalia	32 971	47 431		2 838	2 719	2 722	3 079	7 322	2 728	1 323						2 023	2 504	4 450	4 320	4 802	5 686	6 852	7 391	9 278	11 747	12 904
Sudan	1 689	1 908	1 838	1 867	2 111	2 510	2 487	2 272	2 309	2 403	2 054	2 064	2 164	2 565	2 376	2 383	2 387	2 211	2 211	2 158	2 038	1 945	1 885	1 965	1 994	2 079
Syrian Arab Republic	2 504	2 316	2 554	3 062	2 501	2 510	2 487	2 272	2 309	2 403	2 054	2 064	2 164	2 565	2 376	2 383	2 387	2 211	2 211	2 158	2 038	1 945	1 885	1 965	1 994	2 079
Tunisia	522	638	597	507	534	568	464	818	339	308	285	234	227		426				773	66	115	74	90	117	92	103
United Arab Emirates	191	139	136	136	136	123	113	63	82	145	64	89	97			77	40		18		82	67	36	23	28	
West Bank and Gaza Strip																										
Yemen																										
<b>EMR</b>	<b>522 110</b>	<b>514 791</b>	<b>433 271</b>	<b>234 482</b>	<b>171 652</b>	<b>186 344</b>	<b>230 427</b>	<b>288 805</b>	<b>280 126</b>	<b>261 441</b>	<b>234 620</b>	<b>315 483</b>	<b>109 087</b>	<b>201 620</b>	<b>119 374</b>	<b>121 745</b>	<b>145 373</b>	<b>136 232</b>	<b>233 878</b>	<b>171 734</b>	<b>141 748</b>	<b>165 904</b>	<b>191 154</b>	<b>206 806</b>	<b>243 178</b>	<b>282 945</b>
Number reporting	18	20	19	19	20	21	21	21	21	21	20	21	18	15	16	18	20	17	22	21	22	21	21	22	22	22
% reporting	82	91	86	86	86	91	95	95	95	95	91	95	82	68	73	82	91	77	100	95	100	95	95	100	100	100

From: 1995 on, number shown is all notified new and relapse cases (DOTS and non-DOTS). The table includes updated information; data shown here may differ from those published in previous reports. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A2.11 Case notification rates, Eastern Mediterranean, 1980–2005

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Afghanistan	471	475	282	363	133	77	104	133	117	103	30	148	26	21	554	7	8	7	13	14	30	41	53	51	64	73
Bahrain	63	73	42	60	52	47	36	27	31	26	24	28	28	26	591	554	533	592	565	596	556	573	426	422	37	34
Djibouti	639	184	184	427	407	383	376	407	383	376	376	376	493	591	554	533	533	592	565	596	556	573	426	422	377	392
Egypt	4	3	4	4	3	3	2	42	3	3	4	6	15	6	7	18	20	22	20	18	16	15	16	16	16	15
Iran (Islamic Republic of)	109	29	22	19	23	18	16	19	19	22	16	25	24	34	21	26	22	20	18	18	18	18	17	16	15	14
Iraq	84	73	52	45	43	40	41	38	65	79	80	71	76	91	94	45	131	116	124	123	39	41	45	43	37	33
Jordan	13	28	36	34	26	28	21	19	19	16	13	11	14	11	11	12	11	9	8	8	6	7	6	6	6	6
Kuwait	62	57	59	55	50	42	33	28	23	22	13	16	14	12	14	20	23	29	29	25	23	21	24	22	21	19
Lebanon	2	3	3	10	15	70	81	90	32	31	32	32	31	31	30	31	26	21	19	20	17	15	13	11	11	11
Libyan Arab Jamahiriya	24	15	15	17	10	9	7	8	10	6	10	5	26	31	30	26	30	26	31	31	25	33	33	34	29	36
Morocco	127	143	137	128	103	121	121	117	108	111	112	110	99	106	114	110	116	108	103	104	99	95	99	88	84	83
Oman	158	74	68	58	58	56	79	37	28	27	26	23	19	14	14	13	13	13	12	10	13	12	12	10	12	10
Pakistan	399	396	384	134	100	118	152	177	185	157	140	169	61	61	10	3	48	39	66	15	8	23	35	46	66	87
Qatar	112	85	62	68	61	69	57	61	52	42	39	40	40	40	40	58	48	39	45	45	46	44	41	38	35	40
Saudi Arabia	114	81	79	66	59	31	27	21	16	16	15	13	12	13	14	14	16	16	16	17	16	15	15	14	14	14
Somalia				43	42	42	42	47	112	41	20				32	40	62	69	65	71	81	95	99	120	147	157
Sudan	165	230				6	10	3	3	3	1	62	71	134	81	49	67	68	71	83	75	71	72	72	75	76
Syrian Arab Republic	19	20	19	19	20	20	35	37	41	44	44	47	43	40	36	30	34	32	34	33	30	29	27	27	25	23
Tunisia	39	35	38	44	35	34	33	30	29	30	25	25	25	29	27	27	26	24	24	23	21	20	19	20	20	21
United Arab Emirates	51	58	51	40	40	40	31	52	20	17	15	12	11	11	18	20	20	27	2	2	4	2	2	3	2	
West Bank and Gaza Strip	13	9	9	8	7	6	3	4	4	4	7	3	4	4		3	1				3	2	2	1	1	
Yemen																										
<b>EMR</b>	<b>183</b>	<b>175</b>	<b>143</b>	<b>75</b>	<b>53</b>	<b>56</b>	<b>67</b>	<b>82</b>	<b>77</b>	<b>70</b>	<b>61</b>	<b>80</b>	<b>27</b>	<b>49</b>	<b>28</b>	<b>28</b>	<b>33</b>	<b>30</b>	<b>50</b>	<b>36</b>	<b>29</b>	<b>33</b>	<b>38</b>	<b>40</b>	<b>46</b>	<b>52</b>

Rates are per 100 000 population. The table includes updated information; data shown here may differ from those published in previous reports. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)



# Notes

## Bahrain

In 2004, 5 HIV-positive TB cases were identified (3 in non-nationals). In 2005, 4 HIV-positive TB cases were identified (3 in non-nationals).

Breakdown of notified cases by age and sex is provided for cases in nationals only.

## Egypt

Health insurance organizations, prisons and universities notify cases to the NTP but do not provide breakdown by age and sex, treatment outcomes, or information on laboratory activities.

## Jordan

Of 371 notified TB cases, 148 were in non-nationals treated for 2–4 months; the treatment outcomes for these patients are unknown.

## Morocco

Treatment outcomes for patients who transfer are compiled at national level on the basis of aggregated data. Treatment outcomes for individual patients are neither recorded nor reported by the unit where treatment was initiated.

## Oman

Of the 131 notified new-smear positive cases, 35 were in non-nationals. Of the remaining 130 notified cases, 10 were in non-nationals.

## Saudi Arabia

TB patients who were notified in 2004 but were subsequently deported are not included in the numbers of patients registered for treatment (159 new smear-positive cases, 48 new smear-negative/unknown, 99 new extrapulmonary, 11 relapse and 7 cases who had previously defaulted).

## Sudan

DOTS coverage is the weighted average of coverage in the northern (100% coverage) and southern (55% coverage) parts of the country. Outcome data for patients treated after failure and after default are from southern Sudan. The TB/HIV data are from southern Sudan.

## West Bank and Gaza Strip

A first-line drug stock-out (isoniazid and ethambutol) occurred once at central level for 3 weeks during 2005.