

EASTERN MEDITERRANEAN





# Eastern Mediterranean

## NTP MANAGER (OR EQUIVALENT) AND/OR PERSON(S) RESPONSIBLE FOR COMPLETING DATA COLLECTION FORM

|                            |  |
|----------------------------|--|
| Afghanistan                | Khaled Seddiq; Shah Wali Marofi; Sayed Daoud Mahmoodi; Homayoon Manochehr                    |
| Bahrain                    | Saeed Alsaffar   |
| Djibouti                   | Said Guelleh   |
| Egypt                      | Essam El-Moghazy; Amal Galal   |
| Iran (Islamic Republic of) | Mahshid Nasehi; Shahnaz Ahmadi   |
| Iraq                       | Dhafer S. Hashim; Mohemmed R. Tbena  |
| Jordan                     | Khaled Abu Rumman; Nadia Abu Sabra   |
| Kuwait                     | Rashed Al-Owaish; Mohamed Gaafar   |
| Lebanon                    | Mtarios Saade  |
| Libyan Arab Jamahiriya     | Bashir Saafi   |
| Morocco                    | Naima Ben Cheikh; lahsen laasri  |
| Oman                       | Hassan Al-Tuhami   |
| Pakistan                   | Noor Ahmad Baloch; Ejaz Qadeer   |
| Qatar                      | Abdul Latif Al-Khal  |
| Saudi Arabia               | Nailah A. Abulgadayl; Mohammad Salama Abouzeid   |
| Somalia                    | Bashir Suleiman  |
| Sudan                      | Hashim Sulieman Elwagea; Joseph Lasu; Samia Ali Alagab; Khadiga Adam; Sindani Ireneaus Sebit |
| Syrian Arab Republic       | Fadia Maamari  |
| Tunisia                    | Dhikrayet Gamara; Salah Ben Mansour  |
| United Arab Emirates       | Juma Bilol Fairouz; Kifah Ibrahim  |
| West Bank and Gaza Strip   | Walid Daoud  |
| Yemen                      | Amin N. Al-Absi  |

This list shows the people named on the data collection form sent to WHO in 2008, not necessarily the current NTP manager. It is intended as an acknowledgement rather than a directory.

Table A3.1 Methods and assumptions for estimation of TB incidence, prevalence and mortality, Eastern Mediterranean

| Reference year             | Incidence est. based on | Trend                       | Source of estimates |           |            |             | CI ss+ HIV- |          |      |          | Duration ss+HIV- |          |      |          |
|----------------------------|-------------------------|-----------------------------|---------------------|-----------|------------|-------------|-------------|----------|------|----------|------------------|----------|------|----------|
|                            |                         |                             | MDR (row)           | MDR (col) | MDR (diag) | MDR (total) | DOTs        | non-DOTs | DOTs | non-DOTs | DOTs             | non-DOTs | DOTs | non-DOTs |
| Afghanistan                | 2005                    | Not estimated               | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 2.5      | 1                | 2.5      | 1    | 2.5      |
| Bahrain                    | 1997                    | Group, moving ave.          | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Dibouti                    | 1997                    | Group, exp.                 | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 2.5      | 1                | 2.5      | 1    | 2.5      |
| Egypt                      | 2007                    | Group, moving ave.          | DRS                 | DRS       | DRS        | DRS         | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Iran (Islamic Republic of) | 2002                    | Country notifs, moving ave. | DRS                 | DRS       | DRS        | DRS         | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Iraq                       | 2002                    | Not estimated               | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Jordan                     | 2002                    | Country notifs, moving ave. | DRS                 | DRS       | DRS        | DRS         | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Kuwait                     | 1997                    | Group, moving ave.          | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Lebanon                    | 2002                    | Country notifs, moving ave. | DRS                 | DRS       | DRS        | DRS         | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Libyan Arab Jamahiriya     | 1997                    | Group, moving ave.          | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Morocco                    | 1997                    | Country notifs, exp.        | DRS                 | DRS       | DRS        | DRS         | 0.1         | 0.1      | 0.1  | 0.75     | 1.5              | 0.75     | 1.5  | 1.5      |
| Oman                       | 1997                    | Country notifs, moving ave. | DRS                 | DRS       | DRS        | DRS         | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Pakistan                   | 1997                    | Prev.                       | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 2.5      | 1                | 2.5      | 1    | 2.5      |
| Qatar                      | 2002                    | Country notifs, moving ave. | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Saudi Arabia               | 1997                    | Country notifs, moving ave. | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Somalia                    | 2001                    | Not estimated               | Model               | Model     | Model      | Model       | 0.15        | 0.3      | 0.3  | 1        | 2.5              | 1        | 2.5  | 2.5      |
| Sudan                      | 1997                    | Group, exp.                 | Model               | Model     | Model      | Model       | 0.1         | 0.3      | 0.3  | 1        | 2.5              | 1        | 2.5  | 2.5      |
| Syrian Arab Republic       | 2007                    | Country notifs, exp.        | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Tunisia                    | 2001                    | Country notifs, moving ave. | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| United Arab Emirates       | 1997                    | Group, moving ave.          | Model               | Model     | Model      | Model       | 0.1         | 0.1      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| West Bank and Gaza Strip   | 1997                    | Group, moving ave.          | Model               | Model     | Model      | Model       | 0.1         | 0.2      | 0.1  | 1.5      | 1                | 1.5      | 1    | 1.5      |
| Yemen                      | 1997                    | Group, moving ave.          | DRS                 | DRS       | DRS        | DRS         | 0.1         | 0.15     | 0.1  | 2        | 1                | 2        | 1    | 2        |

- indicates no estimate; ARI, annual risk of infection; ave, average; C-Rec, capture re-capture; CDR, case detection rate; DRS, drug resistance survey; exp., exponential; HIV+, HIV-positive; HIV-, HIV-negative; Mort., mortality (vital registration); Notifs(s), notification(s); Prev., disease prevalence survey; ss+, sputum smear-positive; ss-, sputum smear-negative. See Annex 2 (methods) for details. Data can be downloaded from www.who.int/tb

Table A3.2 Estimated burden of TB, Eastern Mediterranean, 1990 and 2007

|                            | Incidence, 1990   |                        |                | Prevalence, 1990  |                        |            | TB mortality, 1990 |           |                   | Incidence, 2007 |                   |          | Prevalence, 2007  |           |                   | TB mortality, 2007 |                   |            | HIV prevalence in incident TB cases (%) |          |                | IMDR, 2007 |                            |                        |                |               |    |        |
|----------------------------|-------------------|------------------------|----------------|-------------------|------------------------|------------|--------------------|-----------|-------------------|-----------------|-------------------|----------|-------------------|-----------|-------------------|--------------------|-------------------|------------|---|----------|----------------|------------|----------------------------|------------------------|----------------|---------------|----|--------|
|                            | All forms* number | Smear-positive* number | rate           | All forms* number | Smear-positive* number | rate       | All forms* number  | rate      | All forms* number | rate            | All forms* number | rate     | All forms* number | rate      | All forms* number | rate               | All forms* number | rate       | All forms* number                       | rate     | new            | re-treat   | Percentage of new re-treat | Number among all cases | smear-positive |               |    |        |
| Afghanistan                | 21 301            | 168                    | 9 586          | 76                | 55 257                 | 436        | 6 274              | 50        | 45 676            | 168             | <1                | 20 554   | 76                | <1        | 64 689            | 238                | <1                | 8 169      | 30                                      | <1       | <1             | 3.3        | 96                         | 2 202                  | 1 371          |               |    |        |
| Bahrain                    | 376               | 76                     | 169            | 34                | 593                    | 120        | 44                 | 9         | 6 769             | 813             | 1 895             | 227      | 2 856             | 343       | 663               | 80                 | 9 198             | 1 04       | 947                                     | 114      | 1 304          | 157        | 543                        | 65                     | 282            |               |    |        |
| Dibouti                    | 3 265             | 582                    | 1 462          | 261               | 8 323                  | 1 485      | 705                | 126       | 15 873            | 21              | 6 765             | 9        | 103               | <1        | 20 066            | 27                 | 148               | <1         | 1 845                                   | 2        | 66             | <1         | 1.9                        | 22                     | 38             | 781           |    |        |
| Egypt                      | 20 170            | 37                     | 8 621          | 16                | 26 244                 | 48         | 2 309              | 4         | 15 447            | 22              | 485               | <1       | 6 902             | 10        | 170               | <1                 | 19 526            | 27         | 243                                     | <1       | 1 844          | 3          | 108                        | <1                     | 3.1            | 5.0           | 48 | 1 138  |
| Iran (Islamic Republic of) | 20 308            | 36                     | 9 138          | 16                | 28 133                 | 50         | 2 357              | 4         | 16 241            | 56              | <1                | 7 308    | 25                | <1        | 22 866            | 79                 | <1                | 3 190      | 11                                      | <1       | <1             | 3.0        | 38                         | 988                    | 719            |               |    |        |
| Iraq                       | 10 371            | 56                     | 4 667          | 25                | 16 326                 | 88         | 2 218              | 12        | 441               | 7               | <1                | 135      | 2                 | <1        | 534               | 9                  | <1                | 46         | <1                                      | <1       | <1             | 5.4        | 40                         | 29                     | 12             |               |    |        |
| Jordan                     | 538               | 17                     | 164            | 5                 | 619                    | 19         | 46                 | 1         | 674               | 24              | <1                | 303      | 11                | <1        | 712               | 25                 | <1                | 88         | 2                                       | <1       | <1             | 1.8        | 35                         | 12                     | 6              |               |    |        |
| Kuwait                     | 954               | 45                     | 429            | 20                | 1 908                  | 89         | 111                | 5         | 762               | 19              | 20                | <1       | 232               | 6         | 5                 | <1                 | 942               | 23         | 10                                      | <1       | 82             | 2          | 4                          | <1                     | 2.6            | 1.1           | 63 | 14     |
| Lebanon                    | 1 487             | 50                     | 454            | 15                | 1 913                  | 64         | 157                | 5         | 1 060             | 17              | <1                | 477      | 8                 | <1        | 1 060             | 17                 | <1                | 77         | 1                                       | <1       | <1             | 2.4        | 35                         | 57                     | 43             |               |    |        |
| Libyan Arab Jamahiriya     | 1 306             | 30                     | 588            | 13                | 1 989                  | 46         | 219                | 5         | 28 617            | 92              | 141               | <1       | 12 863            | 41        | 49                | <1                 | 24 955            | 80         | 71                                      | <1       | 2 586          | 8          | 20                         | <1                     | 0.5            | 0.5           | 12 | 136    |
| Morocco                    | 36 934            | 149                    | 16 618         | 67                | 33 232                 | 134        | 3 330              | 13        | 332               | 13              | <1                | 149      | 6                 | <1        | 369               | 14                 | <1                | 30         | 1                                       | <1       | <1             | 1.3        | 36                         | 36                     | 6              | 4             |    |        |
| Oman                       | 482               | 26                     | 217            | 12                | 745                    | 40         | 43                 | 2         | 204 820           | 181             | 6 238             | 4        | 133 075           | 81        | 2 183             | 1                  | 364 793           | 223        | 3 119                                   | 2        | 47 587         | 29         | 1 426                      | <1                     | 2.1            | 3.2           | 35 | 13 218 |
| Pakistan                   | 282               | 60                     | 127            | 27                | 330                    | 71         | 28                 | 6         | 588               | 70              | <1                | 264      | 31                | <1        | 664               | 81                 | <1                | 61         | 7                                       | <1       | <1             | 2.1        | 35                         | 415                    | 282            |               |    |        |
| Qatar                      | 6 957             | 43                     | 3 131          | 19                | 10 975                 | 68         | 807                | 5         | 11 442            | 46              | <1                | 5 149    | 21                | <1        | 16 004            | 65                 | <1                | 1 327      | 5                                       | <1       | <1             | 2.1        | 35                         | 415                    | 282            |               |    |        |
| Saudi Arabia               | 16 705            | 249                    | 7 511          | 112               | 40 120                 | 587        | 5 780              | 86        | 21 634            | 249             | 1 481             | 17       | 9 587             | 110       | 519               | 6                  | 30 647            | 352        | 741                                     | 9        | 5 483          | 63         | 682                        | 8                      | 6.8            | 1.8           | 10 | 484    |
| Somalia                    | 45 221            | 174                    | 20 106         | 78                | 106 085                | 409        | 15 970             | 62        | 93 808            | 243             | 9 927             | 26       | 41 221            | 107       | 3 474             | 9                  | 154 933           | 402        | 4 963                                   | 13       | 27 450         | 71         | 4 872                      | 13                     | 1.8            | 1.8           | 10 | 2 336  |
| Sudan                      | 7 711             | 61                     | 2 357          | 19                | 11 952                 | 94         | 725                | 6         | 4 698             | 24              | <1                | 1 436    | 7                 | <1        | 5 348             | 27                 | <1                | 442        | 2                                       | <1       | <1             | 1.6        | 11                         | 92                     | 41             |               |    |        |
| Syrian Arab Republic       | 2 583             | 31                     | 1 162          | 14                | 4 047                  | 49         | 273                | 3         | 2 682             | 26              | 34                | <1       | 1 204             | 12        | 12                | <1                 | 2 930             | 28         | 17                                      | <1       | 282            | 3          | 5                          | <1                     | 1.3            | 2.6           | 38 | 87     |
| Tunisia                    | 655               | 30                     | 250            | 13                | 876                    | 47         | 64                 | 3         | 692               | 16              | <1                | 311      | 7                 | <1        | 1 044             | 24                 | <1                | 80         | 2                                       | <1       | <1             | 2.3        | 37                         | 30                     | 21             |               |    |        |
| United Arab Emirates       | 745               | 35                     | 228            | 11                | 1 181                  | 55         | 119                | 6         | 799               | 20              | <1                | 1 250    | 31                | <1        | 1 950             | 31                 | <1                | 195        | 3                                       | <1       | <1             | 3.0        | 36                         | 27                     | 10             |               |    |        |
| West Bank and Gaza Strip   | 16 384            | 133                    | 7 373          | 60                | 32 651                 | 265        | 2 182              | 18        | 17 121            | 76              | <1                | 7 704    | 34                | <1        | 29 031            | 130                | <1                | 2 188      | 10                                      | <1       | <1             | 2.9        | 11                         | 560                    | 303            |               |    |        |
| <b>EMR</b>                 | <b>419 455</b>    | <b>110</b>             | <b>186 491</b> | <b>49</b>         | <b>868 989</b>         | <b>227</b> | <b>99 510</b>      | <b>26</b> | <b>582 767</b>    | <b>105</b>      | <b>20 517</b>     | <b>4</b> | <b>258 877</b>    | <b>47</b> | <b>7 179</b>      | <b>1</b>           | <b>772 039</b>    | <b>139</b> | <b>10 258</b>                           | <b>2</b> | <b>104 300</b> | <b>19</b>  | <b>2.8</b>                 | <b>27</b>              | <b>23 049</b>  | <b>14 120</b> |    |        |

- Indicates no estimate. \* incidence, prevalence and mortality estimates include patients with HIV. Estimates labelled "HIV+" are estimates of HIV+ TB cases in all people. Estimates for all years are re-calculated as new information becomes available and techniques are refined, so they may differ from those published previously. See Explanatory notes for further details. Data can be downloaded from www.who.int/tb



Table A3.5 Case notifications and case detection rates, DOTS and non-DOTS combined, Eastern Mediterranean, 2007

|                            | Notified TB cases, DOTS and non-DOTS combined |                |                |               |                |           |                     |               |          |                    |               |               | Estimated incidence and case detection rates |            |                |                |           |           | Proportions |           |           |           |           |           |           |           |          |     |
|----------------------------|---|----------------|----------------|---------------|----------------|-----------|---------------------|---------------|----------|--------------------|---------------|---------------|--|------------|----------------|----------------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----|
|                            | Population                                    |                |                | New pulmonary |                |           | New extra-pulmonary |               |          | Re-treatment cases |               |               | Case detection rate                          |            |                | Extrapulm.     |           |           |             |           |           |           |           |           |           |           |          |     |
|                            | thousands                                     | number         | rate           | ss+           | ss-/unk.       | new       | ss+                 | ss-/unk.      | new      | Release            | After failure | After default | Other re-treat                               | Other      | all forms      | number         | ss+       | ss-       | new         | ss+       | ss-       | new       | ss+       | ss-       | new       | ss+       | ss-      | new |
| Afghanistan                | 27 145  | 28 769         | 106            | 13 213        | 49             | 8 251     | 6 227               | 0             | 1 078    | 0                  | 0             | 0             | 0  | 13 213     | 45 676         | 20 554         | 61        | 64        | 62          | 46        | 46        | 22        | 62        | 46        | 22        | 62        | 46       | 22  |
| Bahrain                    | 753   | 296            | 39             | 109           | 14             | 71        | 114                 | 0             | 2        | 0                  | 0             | 0             | 0  | 109        | 305            | 137            | 96        | 79        | 61          | 37        | 39        | 39        | 61        | 37        | 39        | 39        | 1        |     |
| Djibouti                   | 833   | 3 257          | 3 195          | 384           | 1 208          | 1 455     | 329                 | 1 492         | 166      | 48                 | 14            | 0             | 0  | 1 208      | 6 769          | 2 856          | 45        | 42        | 79          | 38        | 47        | 47        | 79        | 38        | 47        | 47        | 7        |     |
| Egypt                      | 75 498  | 10 044         | 9 841          | 13            | 4 887          | 6         | 1 703               | 2 869         | 0        | 382                | 126           | 77            | 0  | 6 643      | 15 873         | 6 765          | 60        | 72        | 74          | 50        | 29        | 29        | 74        | 50        | 29        | 29        | 6        |     |
| Iran (Islamic Republic of) | 71 208  | 9 490          | 9 316          | 13            | 4 701          | 7         | 1 830               | 2 515         | 0        | 270                | 135           | 39            | 0  | 4 735      | 15 447         | 6 902          | 59        | 68        | 72          | 50        | 27        | 27        | 72        | 50        | 27        | 27        | 5        |     |
| Iraq                       | 28 993  | 7 863          | 7 863          | 27            | 2 728          | 9         | 2 293               | 2 290         | 0        | 554                | 0             | 0             | 0  | 3 280      | 16 241         | 7 308          | 45        | 37        | 54          | 35        | 29        | 29        | 54        | 35        | 29        | 29        | 7        |     |
| Jordan                     | 5 924   | 344            | 646            | 109           | 2              | 70        | 154                 | 0             | 3        | 0                  | 0             | 8             | 0  | 154        | 441            | 135            | 76        | 81        | 61          | 42        | 46        | 46        | 61        | 42        | 46        | 46        | 3        |     |
| Kuwait                     | 2 851   | 646            | 646            | 23            | 274            | 10        | 94                  | 277           | 0        | 1                  | 0             | 0             | 0  | 314        | 674            | 674            | 96        | 90        | 74          | 42        | 43        | 43        | 74        | 42        | 43        | 43        | 0        |     |
| Lebanon                    | 4 099   | 476            | 476            | 12            | 143            | 3         | 118                 | 212           | 0        | 3                  | 0             | 0             | 0  | 143        | 762            | 232            | 62        | 62        | 60          | 36        | 30        | 45        | 60        | 36        | 30        | 45        | 1        |     |
| Morocco                    | 6 160   | 2 119          | 2 119          | 34            | 772            | 13        | 523                 | 824           | 0        | 0                  | 0             | 0             | 0  | 12 067     | 10 600         | 477            | 200       | 162       | 60          | 36        | 39        | 39        | 60        | 36        | 39        | 39        | 2        |     |
| Oman                       | 2 595   | 328            | 328            | 13            | 187            | 7         | 333                 | 102           | 6        | 0                  | 0             | 0             | 0  | 220        | 332            | 149            | 97        | 125       | 85          | 57        | 47        | 45        | 85        | 57        | 47        | 45        | 3        |     |
| Pakistan                   | 163 802                                       | 234 100        | 230 468        | 141           | 88 747         | 54        | 103 629             | 33 986        | 0        | 4 106              | 1 275         | 2 357         | 0  | 192 376    | 297 108        | 133 075        | 76        | 67        | 46          | 39        | 15        | 15        | 46        | 39        | 15        | 15        | 3        |     |
| Qatar                      | 841   | 399            | 399            | 47            | 116            | 14        | 208                 | 208           | 0        | 0                  | 0             | 0             | 0  | 116        | 588            | 264            | 68        | 44        | 61          | 29        | 29        | 52        | 61        | 29        | 29        | 52        | 3        |     |
| Saudi Arabia               | 24 735  | 4 013          | 3 955          | 16            | 1 984          | 8         | 582                 | 1 297         | 92       | 0                  | 0             | 58            | 0  | 6 130      | 11 634         | 5 149          | 34        | 39        | 77          | 50        | 33        | 33        | 77        | 50        | 33        | 33        | 4        |     |
| Somalia                    | 8 693   | 11 130         | 11 130         | 128           | 6 130          | 70        | 2 400               | 2 013         | 0        | 497                | 0             | 0             | 0  | 6 130      | 21 634         | 9 587          | 49        | 64        | 71          | 55        | 18        | 18        | 71        | 55        | 18        | 18        | 4        |     |
| Sudan                      | 38 660  | 29 379         | 29 270         | 76            | 12 627         | 33        | 9 486               | 5 171         | 0        | 1 986              | 22            | 82            | 5  | 12 627     | 93 808         | 41 221         | 29        | 31        | 57          | 43        | 18        | 18        | 57        | 43        | 18        | 18        | 7        |     |
| Syrian Arab Republic       | 19 929  | 4 369          | 4 087          | 21            | 1 155          | 6         | 706                 | 2 169         | 0        | 57                 | 31            | 25            | 35   | 131        | 4 698          | 1 436          | 86        | 90        | 62          | 28        | 28        | 62        | 28        | 28        | 28        | 4         |          |     |
| Tunisia                    | 10 327  | 2 282          | 2 282          | 22            | 941            | 9         | 305                 | 1 009         | 0        | 27                 | 0             | 0             | 0  | 0          | 2 662          | 1 204          | 84        | 76        | 76          | 41        | 44        | 44        | 76        | 41        | 44        | 44        | 1        |     |
| United Arab Emirates       | 4 380   | 97             | 97             | 2             | 56             | 1         | 20                  | 16            | 0        | 5                  | 0             | 0             | 0  | 62         | 692            | 311            | 13        | 16        | 74          | 58        | 16        | 16        | 74        | 58        | 16        | 16        | 5        |     |
| West Bank and Gaza Strip   | 4 017   | 34             | 33             | 1             | 13             | 0         | 2                   | 18            | 0        | 1                  | 0             | 0             | 0  | 14         | 799            | 244            | 4         | 5         | 87          | 39        | 55        | 55        | 87        | 39        | 55        | 55        | 3        |     |
| Yemen                      | 22 989  | 8 427          | 8 427          | 38            | 3 537          | 16        | 2 196               | 2 369         | 0        | 325                | 0             | 0             | 0  | 3 537      | 17 121         | 7 704          | 47        | 46        | 62          | 42        | 42        | 46        | 62        | 42        | 42        | 42        | 4        |     |
| <b>EMR</b>                 | <b>555 064</b>                                | <b>383 364</b> | <b>378 895</b> | <b>68</b>     | <b>155 572</b> | <b>28</b> | <b>138 865</b>      | <b>76 898</b> | <b>0</b> | <b>9 560</b>       | <b>1 638</b>  | <b>2 652</b>  | <b>48</b>                                    | <b>131</b> | <b>582 767</b> | <b>258 877</b> | <b>63</b> | <b>60</b> | <b>53</b>   | <b>41</b> | <b>20</b> | <b>20</b> | <b>53</b> | <b>41</b> | <b>20</b> | <b>20</b> | <b>4</b> |     |

ss+ indicates sputum smear-positive; ss-, sputum smear-negative; unk., sputum smear result unknown; new, new pulmonary case confirmed by positive smear or culture. See Explanatory notes for further details. Data can be downloaded from www.who.int/tb

Table A3.6 DOTS coverage, case notifications and case detection rates, Eastern Mediterranean, 2007

|                            | TB cases reported from DOTS services |                |           |                |           |                |                     |          |              |                    |               |               | Estimated incidence and case detection rate |                |                |                |           |           | Proportions |           |           |           |           |           |           |           |          |     |
|----------------------------|--------------------------------------|----------------|-----------|----------------|-----------|----------------|---------------------|----------|--------------|--------------------|---------------|---------------|---|----------------|----------------|----------------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----|
|                            | DOTS coverage                        |                |           | New pulmonary  |           |                | New extra-pulmonary |          |              | Re-treatment cases |               |               | DOTS case detection rate                    |                |                | Extrapulm.     |           |           |             |           |           |           |           |           |           |           |          |     |
|                            | %                                    | number         | rate      | ss+            | ss-/unk.  | new            | ss+                 | ss-/unk. | new          | Release            | After failure | After default | Other re-treat                              | Other          | all forms      | number         | ss+       | ss-       | new         | ss+       | ss-       | new       | ss+       | ss-       | new       | ss+       | ss-      | new |
| Afghanistan                | 97                                   | 28 769         | 106       | 13 213         | 49        | 8 251          | 6 227               | 0        | 1 078        | 0                  | 0             | 0             | 0   | 13 213         | 45 676         | 20 554         | 61        | 64        | 62          | 46        | 46        | 22        | 62        | 46        | 22        | 62        | 46       | 22  |
| Bahrain                    | 100                                  | 296            | 39        | 109            | 14        | 71             | 114                 | 0        | 2            | 0                  | 0             | 0             | 0   | 109            | 305            | 137            | 96        | 79        | 61          | 37        | 39        | 39        | 61        | 37        | 39        | 39        | 1        |     |
| Djibouti                   | 100                                  | 3 195          | 3 884     | 1 208          | 1 455     | 329            | 1 492               | 166      | 48           | 14                 | 0             | 0             | 0   | 1 208          | 6 769          | 2 856          | 45        | 42        | 79          | 38        | 47        | 47        | 79        | 38        | 47        | 47        | 7        |     |
| Egypt                      | 100                                  | 9 841          | 13        | 4 887          | 6         | 1 703          | 2 869               | 0        | 382          | 126                | 77            | 0             | 0   | 6 643          | 15 873         | 6 765          | 60        | 72        | 74          | 50        | 29        | 29        | 74        | 50        | 29        | 29        | 6        |     |
| Iran (Islamic Republic of) | 100                                  | 9 316          | 13        | 4 701          | 7         | 1 830          | 2 515               | 0        | 270          | 135                | 39            | 0             | 0   | 4 735          | 15 447         | 6 902          | 59        | 68        | 72          | 50        | 27        | 27        | 72        | 50        | 27        | 27        | 5        |     |
| Iraq                       | 87                                   | 7 863          | 27        | 2 728          | 9         | 2 293          | 2 290               | 0        | 554          | 0                  | 0             | 0             | 0   | 3 280          | 16 241         | 7 308          | 45        | 37        | 54          | 35        | 29        | 29        | 54        | 35        | 29        | 29        | 7        |     |
| Jordan                     | 100                                  | 336            | 6         | 109            | 2         | 70             | 154                 | 0        | 3            | 0                  | 0             | 8             | 0   | 154            | 441            | 135            | 76        | 81        | 61          | 42        | 46        | 46        | 61        | 42        | 46        | 46        | 3        |     |
| Kuwait                     | 100                                  | 646            | 23        | 274            | 10        | 94             | 277                 | 0        | 1            | 0                  | 0             | 0             | 0   | 314            | 674            | 674            | 96        | 90        | 74          | 42        | 43        | 43        | 74        | 42        | 43        | 43        | 0        |     |
| Lebanon                    | 100                                  | 476            | 12        | 143            | 3         | 118            | 212                 | 0        | 3            | 0                  | 0             | 0             | 0   | 143            | 762            | 232            | 62        | 62        | 60          | 36        | 30        | 45        | 60        | 36        | 30        | 45        | 1        |     |
| Morocco                    | 100                                  | 2 119          | 34        | 772            | 13        | 523            | 824                 | 0        | 0            | 0                  | 0             | 0             | 0   | 12 067         | 10 600         | 477            | 200       | 162       | 60          | 36        | 39        | 39        | 60        | 36        | 39        | 39        | 2        |     |
| Oman                       | 100                                  | 25 562         | 82        | 11 937         | 38        | 2 059          | 11 566              | 0        | 6            | 0                  | 0             | 0             | 0   | 220            | 332            | 149            | 97        | 125       | 85          | 57        | 47        | 45        | 85        | 57        | 47        | 45        | 3        |     |
| Pakistan                   | 99                                   | 230 468        | 141       | 88 747         | 54        | 103 629        | 33 986              | 0        | 4 106        | 1 275              | 2 357         | 0             | 0   | 192 376        | 297 108        | 133 075        | 76        | 67        | 46          | 39        | 15        | 15        | 46        | 39        | 15        | 15        | 3        |     |
| Qatar                      | 100                                  | 399            | 47        | 116            | 14        | 208            | 208                 | 0        | 0            | 0                  | 0             | 0             | 0   | 116            | 588            | 264            | 68        | 44        | 61          | 29        | 29        | 52        | 61        | 29        | 29        | 52        | 3        |     |
| Saudi Arabia               | 100                                  | 3 955          | 16        | 1 984          | 8         | 582            | 1 297               | 92       | 0            | 0                  | 58            | 0             | 0   | 6 130          | 11 634         | 5 149          | 34        | 39        | 77          | 50        | 33        | 33        | 77        | 50        | 33        | 33        | 4        |     |
| Somalia                    | 100                                  | 11 130         | 128       | 6 130          | 70        | 2 400          | 2 013               | 0        | 497          | 0                  | 0             | 0             | 0   | 6 130          | 21 634         | 9 587          | 49        | 64        | 71          | 55        | 18        | 18        | 71        | 55        | 18        | 18        | 4        |     |
| Sudan                      | 91                                   | 29 270         | 76        | 12 627         | 33        | 9 486          | 5 171               | 0        | 1 986        | 22                 | 82            | 5             | 0   | 12 627         | 93 808         | 41 221         | 29        | 31        | 57          | 43        | 18        | 18        | 57        | 43        | 18        | 18        | 7        |     |
| Syrian Arab Republic       | 100                                  | 2 087          | 21        | 1 155          | 6         | 706            | 2 169               | 0        | 57           | 31                 | 25            | 35            | 131   | 4 698          | 1 436          | 86             | 90        | 62        | 28          | 28        | 62        | 28        | 62        | 28        | 28        | 4         |          |     |
| Tunisia                    | 100                                  | 2 282          | 22        | 941            | 9         | 305            | 1 009               | 0        | 27           | 0                  | 0             | 0             | 0   | 0              | 2 662          | 1 204          | 84        | 76        | 76          | 41        | 44        | 44        | 76        | 41        | 44        | 44        | 1        |     |
| United Arab Emirates       | 20                                   | 97             | 2         | 56             | 1         | 20             | 16                  | 0        | 5            | 0                  | 0             | 0             | 0   | 62             | 692            | 311            | 13        | 16        | 74          | 58        | 16        | 16        | 74        | 58        | 16        | 16        | 5        |     |
| West Bank and Gaza Strip   | 45                                   | 33             | 1         | 13             | 0         | 2              | 18                  | 0        | 1            | 0                  | 0             | 0             | 0   | 14             | 799            | 244            | 4         | 5         | 87          | 39        | 55        | 55        | 87        | 39        | 55        | 55        | 3        |     |
| Yemen                      | 100                                  | 5 389          | 24        | 3 523          | 16        | 2 196          | 2 369               | 0        | 324          | 0                  | 0             | 0             | 0   | 3 523          | 17 121         | 7 704          | 30        | 46        | 82          | 65        | 14        | 14        | 82        | 65        | 14        | 14        | 6        |     |
| <b>EMR</b>                 | <b>97</b>                            | <b>375 857</b> | <b>68</b> | <b>155 568</b> | <b>28</b> | <b>135 441</b> | <b>75 299</b>       | <b>0</b> | <b>9 559</b> | <b>1 638</b>       | <b>2 652</b>  | <b>48</b>     | <b>131</b>                                  | <b>261 551</b> | <b>582 767</b> | <b>258 877</b> | <b>63</b> | <b>60</b> | <b>53</b>   | <b>41</b> | <b>20</b> | <b>20</b> | <b>53</b> | <b>41</b> | <b>20</b> | <b>20</b> | <b>4</b> |     |

ss+ indicates sputum smear-positive; ss-, sputum smear-negative; unk., sputum smear result unknown; new, new pulmonary case confirmed by positive smear or culture. See Explanatory notes for further details. Data can be downloaded from www.who.int/tb



Table A3.9 DOTS re-treatment outcomes, Eastern Mediterranean, 2006 cohort

|                            | Release, DOTS<br>% of cohort |                |           |          |                  | After failure, DOTS<br>% of cohort |              |                    |                |              | After default, DOTS<br>% of cohort |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
|----------------------------|------------------------------|----------------|-----------|----------|------------------|------------------------------------|--------------|--------------------|----------------|--------------|------------------------------------|------------------|--------------|--------------|--------------------|----------------|----------|-----------|------------------|--------------|--------------|----------|----------|-----------|----------|----------|-----------|--|
|                            | Number<br>regist'd           | Compl-<br>eted | Died      | Failed   | Trans-<br>ferred | Not<br>eval.                       | %<br>Success | Number<br>regist'd | Compl-<br>eted | Died         | Failed                             | Trans-<br>ferred | Not<br>eval. | %<br>Success | Number<br>regist'd | Compl-<br>eted | Died     | Failed    | Trans-<br>ferred | Not<br>eval. | %<br>Success |          |          |           |          |          |           |  |
| Afghanistan                | 1 132                        | 74             | 5         | 3        | 2                | 2                                  | 6            | 8                  | 79             |              |                                    |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
| Bahrain                    |                              |                |           |          |                  |                                    |              |                    |                |              |                                    |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
| Djibouti                   | 192                          | 63             | 7         | 2        | 2                | 25                                 | 3            | 0                  | 69             |              |                                    |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
| Egypt                      | 445                          | 50             | 23        | 5        | 12               | 4                                  | 5            | 0                  | 73             | 194          | 40                                 | 23               | 9            | 12           | 7                  | 8              | 1        | 63        | 160              | 49           | 18           | 8        | 11       | 9         | 5        | 0        | 67        |  |
| Iran (Islamic Republic of) | 315                          | 65             | 9         | 13       | 3                | 3                                  | 2            | 5                  | 73             | 135          | 73                                 | 5                | 5            | 3            | 7                  | 3              | 4        | 78        | 35               | 54           | 11           | 11       | 0        | 17        | 6        | 0        | 66        |  |
| Iraq                       | 603                          | 65             | 10        | 2        | 4                | 16                                 | 2            | 0                  | 75             | 60           | 13                                 | 3                | 13           | 10           | 0                  | 0              | 0        | 73        | 85               | 47           | 27           | 1        | 2        | 22        | 0        | 0        | 74        |  |
| Jordan                     | 4                            | 75             | 0         | 0        | 0                | 25                                 | 0            | 0                  | 75             | 5            | 80                                 | 0                | 0            | 20           | 0                  | 0              | 0        | 80        | 0                | 0            | 0            | 0        | 0        | 0         | 0        | 0        | 0         |  |
| Kuwait                     |                              |                |           |          |                  |                                    |              |                    |                |              |                                    |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
| Lebanon                    | 8                            | 63             | 38        | 0        | 0                | 0                                  | 0            | 0                  | 100            |              |                                    |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
| Libyan Arab Jamahiriya     |                              |                |           |          |                  |                                    |              |                    |                |              |                                    |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
| Morocco                    | 1334                         | 70             | 6         | 3        | 3                | 13                                 | 5            | 0                  | 76             | 83           | 67                                 | 6                | 7            | 17           | 2                  | 0              | 67       | 231       | 49               | 5            | 4            | 38       | 3        | 0         | 0        | 49       |           |  |
| Oman                       | 5                            | 100            | 0         | 0        | 0                | 0                                  | 0            | 0                  | 100            |              |                                    |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
| Pakistan                   | 3008                         | 67             | 15        | 4        | 3                | 7                                  | 4            | 0                  | 82             | 724          | 52                                 | 22               | 5            | 5            | 8                  | 8              | 0        | 74        | 1834             | 49           | 20           | 4        | 3        | 20        | 4        | 0        | 69        |  |
| Qatar                      |                              |                |           |          |                  |                                    |              |                    |                |              |                                    |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
| Saudi Arabia               | 101                          | 53             | 10        | 6        | 1                | 14                                 | 1            | 15                 | 63             |              |                                    |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
| Somalia                    | 534                          | 73             | 5         | 9        | 4                | 7                                  | 2            | 0                  | 78             | 0            |                                    |                  |              |              |                    |                |          |           | 0                |              |              |          |          |           |          |          |           |  |
| Sudan                      | 141                          | 75             | 13        | 4        | 2                | 5                                  | 0            | 0                  | 89             | 38           | 61                                 | 11               | 8            | 11           | 11                 | 0              | 0        | 71        | 32               | 66           | 16           | 6        | 3        | 9         | 0        | 0        | 81        |  |
| Syrian Arab Republic       | 66                           | 50             | 17        | 9        | 6                | 15                                 | 3            | 0                  | 67             | 21           | 67                                 | 10               | 5            | 10           | 5                  | 5              | 0        | 76        | 36               | 25           | 19           | 3        | 3        | 44        | 6        | 0        | 44        |  |
| Tunisia                    |                              |                |           |          |                  |                                    |              |                    |                |              |                                    |                  |              |              |                    |                |          |           |                  |              |              |          |          |           |          |          |           |  |
| United Arab Emirates       | 4                            | 25             | 50        | 25       | 0                | 0                                  | 0            | 0                  | 75             | 0            |                                    |                  |              |              |                    |                |          |           | 0                |              |              |          |          |           |          |          |           |  |
| West Bank and Gaza Strip   | 0                            |                |           |          |                  |                                    |              |                    |                | 0            |                                    |                  |              |              |                    |                |          |           | 0                |              |              |          |          |           |          |          |           |  |
| Yemen                      | 301                          | 66             | 7         | 5        | 3                | 5                                  | 2            | 11                 | 73             |              |                                    |                  |              |              |                    |                |          |           | 0                |              |              |          |          |           |          |          |           |  |
| <b>EMR</b>                 | <b>8 193</b>                 | <b>67</b>      | <b>11</b> | <b>4</b> | <b>3</b>         | <b>8</b>                           | <b>4</b>     | <b>2</b>           | <b>78</b>      | <b>1 322</b> | <b>50</b>                          | <b>22</b>        | <b>6</b>     | <b>7</b>     | <b>9</b>           | <b>6</b>       | <b>0</b> | <b>72</b> | <b>2 435</b>     | <b>44</b>    | <b>23</b>    | <b>4</b> | <b>4</b> | <b>21</b> | <b>4</b> | <b>0</b> | <b>67</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 2006 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 2006 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 A3.10 DOTS treatment success and case detection rates, Eastern Mediterranean, 1994–2007

|                            | DOTS new smear-positive treatment success (%) |           |           |           |           |           |           |           |           |           | DOTS new smear-positive case detection rate (%) |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
|----------------------------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|--|
|                            | 1994  | 1995      | 1996      | 1997      | 1998      | 1999      | 2000      | 2001      | 2002      | 2003      | 2004  | 2005      | 2006      | 2007      | 1994      | 1995      | 1996      | 1997      | 1998      | 1999      | 2000      | 2001      | 2002      | 2003      | 2004      | 2005      | 2006      | 2007 |  |
| Afghanistan                |   |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Bahrain                    |   |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Djibouti                   |   |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Egypt                      | 52  | 75        | 81        | 82        | 87        | 87        | 82        | 88        | 80        | 70        | 79  | 87        | 80        | 78        | 96        | 100       | 84        | 75        | 63        | 57        | 53        | 49        | 42        | 42        | 42        | 42        | 42        | 42   |  |
| Iran (Islamic Republic of) |   |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Iraq                       |   |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Jordan                     | 90  |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Kuwait                     |   |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Lebanon                    | 89  |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Libyan Arab Jamahiriya     |   |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Morocco                    | 86  | 90        | 88        | 89        | 88        | 88        | 89        | 87        | 86        | 87        | 81  | 87        | 81        | 87        | 91        | 93        | 93        | 90        | 91        | 89        | 90        | 92        | 93        | 91        | 96        | 94        | 93        |      |  |
| Oman                       |   |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Pakistan                   | 74  | 70        | 67        | 68        | 70        | 74        | 77        | 76        | 79        | 82        | 83  | 88        | 88        | 88        | 1         | 2         | 24        | 43        | 33        | 29        | 41        | 34        | 52        | 38        | 38        | 38        | 39        | 39   |  |
| Qatar                      |   |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Saudi Arabia               |   |           |           |           |           |           |           |           |           |           |   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |      |  |
| Somalia                    | 86  | 84        | 90        | 88        | 88        | 83        | 86        | 89        | 90        | 91        | 89  | 89        | 89        | 89        | 33        | 43        | 43        | 46        | 48        | 58        | 58        | 61        | 74        | 78        | 74        | 74        | 64        |      |  |
| 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>84</b> | <b>83</b> | <b>83</b>                                       | <b>83</b> | <b>86</b> | <b>86</b> | <b>12</b> | <b>10</b> | <b>12</b> | <b>19</b> | <b>21</b> | <b>25</b> | <b>27</b> | <b>32</b> | <b>34</b> | <b>39</b> | <b>46</b> | <b>52</b> | <b>60</b> |      |  |

Treatment success, sum of cured and completed; DOTS new smear-positive case detection rate, notified new smear-positive cases divided by estimated incident cases. Figures for all years are updated as new information becomes available and/or techniques are refined, so they may differ from those published previously. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A3.11 New smear-positive case notification by age and sex, DOTS and non-DOTS, Eastern Mediterranean, 2007

|                            | Male         |               |               |               |               | Female       |              |              |               |               | All           |              |              |              |              | Male/female ratio |               |               |               |               |               |            |
|----------------------------|--------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|-------------------|---------------|---------------|---------------|---------------|---------------|------------|
|                            | 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+        |
| Afghanistan                | 186          | 856           | 840           | 597           | 566           | 630          | 507          | 475          | 2 224         | 2 357         | 1 708         | 1 143        | 771          | 353          | 661          | 3 080             | 3 197         | 2 305         | 1 709         | 1 401         | 860           | 0.5        |
| Bahrain                    | 0            | 8             | 26            | 15            | 8             | 4            | 3            | 1            | 10            | 15            | 5             | 3            | 0            | 1            | 1            | 18                | 41            | 20            | 11            | 4             | 4             | 1.8        |
| Djibouti                   | 14           | 241           | 264           | 142           | 83            | 44           | 23           | 8            | 129           | 131           | 62            | 35           | 14           | 18           | 22           | 370               | 395           | 204           | 118           | 59            | 41            | 2.0        |
| Egypt                      | 35           | 588           | 853           | 629           | 643           | 359          | 214          | 25           | 500           | 325           | 245           | 173          | 72           | 72           | 60           | 1088              | 1178          | 874           | 868           | 532           | 286           | 2.1        |
| Iran (Islamic Republic of) | 10           | 311           | 511           | 330           | 285           | 261          | 680          | 42           | 384           | 236           | 173           | 268          | 387          | 813          | 52           | 705               | 747           | 503           | 563           | 648           | 1483          | 1.0        |
| Iraq                       | 20           | 319           | 531           | 276           | 223           | 188          | 126          | 34           | 289           | 228           | 154           | 134          | 130          | 74           | 54           | 608               | 759           | 430           | 357           | 318           | 200           | 1.6        |
| Jordan                     | 0            | 7             | 20            | 14            | 9             | 5            | 5            | 0            | 9             | 12            | 6             | 1            | 12           | 7            | 0            | 16                | 32            | 20            | 10            | 19            | 12            | 1.3        |
| Kuwait                     | 1            | 16            | 69            | 25            | 29            | 8            | 5            | 0            | 26            | 53            | 18            | 13           | 7            | 4            | 1            | 42                | 122           | 43            | 42            | 15            | 9             | 1.3        |
| Lebanon                    | 0            | 12            | 19            | 13            | 12            | 11           | 5            | 1            | 17            | 30            | 13            | 5            | 3            | 2            | 1            | 29                | 49            | 26            | 17            | 14            | 7             | 1.0        |
| Libyan Arab Jamahiriya     | 2            | 61            | 143           | 78            | 26            | 12           | 10           | 4            | 23            | 17            | 12            | 8            | 7            | 11           | 6            | 84                | 160           | 90            | 34            | 19            | 21            | 4.0        |
| Morocco                    | 74           | 2 098         | 2 370         | 1 545         | 1 165         | 645          | 529          | 123          | 1 177         | 837           | 444           | 354          | 306          | 370          | 197          | 3275              | 3207          | 1989          | 1519          | 851           | 899           | 2.3        |
| Oman                       | 0            | 16            | 25            | 25            | 20            | 13           | 8            | 3            | 22            | 13            | 11            | 10           | 7            | 14           | 3            | 38                | 38            | 36            | 30            | 20            | 22            | 1.3        |
| Pakistan                   | 1 017        | 9 598         | 8 750         | 7 717         | 7 237         | 6 258        | 5 156        | 2 443        | 11 522        | 9 182         | 7 352         | 5 486        | 4 065        | 2 934        | 3460         | 21 120            | 17 652        | 15 069        | 12 733        | 10 323        | 8 090         | 1.1        |
| Qatar                      | 0            | 26            | 38            | 19            | 10            | 4            | 92           | 1            | 4             | 6             | 5             | 3            | 0            | 0            | 1            | 30                | 44            | 24            | 13            | 4             | 0             | 5.1        |
| Saudi Arabia               | 125          | 1 239         | 1 008         | 678           | 407           | 296          | 285          | 135          | 602           | 520           | 378           | 243          | 181          | 129          | 38           | 544               | 509           | 329           | 258           | 150           | 156           | 1.5        |
| Somalia                    | 8            | 246           | 312           | 219           | 187           | 111          | 92           | 0            | 298           | 197           | 110           | 71           | 39           | 64           | 260          | 1841              | 1528          | 956           | 650           | 477           | 418           | 1.8        |
| Sudan                      | 288          | 1 355         | 1 903         | 1 540         | 1 102         | 729          | 556          | 334          | 992           | 1 318         | 990           | 729          | 467          | 324          | 622          | 2347              | 3221          | 2 530         | 1 831         | 1 196         | 880           | 1.4        |
| Syrian Arab Republic       | 7            | 198           | 222           | 123           | 74            | 49           | 59           | 14           | 165           | 106           | 41            | 23           | 30           | 41           | 21           | 346               | 328           | 184           | 117           | 79            | 100           | 1.7        |
| Tunisia                    | 1            | 124           | 171           | 117           | 104           | 71           | 75           | 11           | 69            | 54            | 42            | 28           | 29           | 45           | 12           | 193               | 228           | 199           | 132           | 100           | 120           | 2.4        |
| United Arab Emirates       | 2            | 5             | 6             | 3             | 4             | 3            | 10           | 1            | 8             | 6             | 3             | 2            | 0            | 0            | 3            | 13                | 12            | 6             | 6             | 3             | 10            | 1.7        |
| West Bank and Gaza Strip   | 1            | 1             | 3             | 2             | 0             | 3            | 1            | 0            | 0             | 1             | 0             | 0            | 0            | 0            | 1            | 1                 | 4             | 2             | 0             | 0             | 5             | 3.7        |
| Yemen                      | 23           | 488           | 626           | 379           | 252           | 165          | 119          | 50           | 430           | 374           | 272           | 189          | 113          | 57           | 73           | 918               | 1 000         | 651           | 441           | 278           | 176           | 1.4        |
| <b>EMR</b>                 | <b>1 814</b> | <b>17 813</b> | <b>18 750</b> | <b>14 386</b> | <b>12 446</b> | <b>9 771</b> | <b>8 472</b> | <b>3 735</b> | <b>18 893</b> | <b>15 998</b> | <b>12 044</b> | <b>9 003</b> | <b>6 743</b> | <b>5 333</b> | <b>5 549</b> | <b>36 706</b>     | <b>34 748</b> | <b>26 430</b> | <b>21 449</b> | <b>16 514</b> | <b>13 805</b> | <b>1.2</b> |

For some countries, breakdown of notified cases by age and sex is missing, or is provided for a subset of cases. See Explanatory notes for further details. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A3.12 New smear-positive case notification rates by age and sex, DOTS and non-DOTS, Eastern Mediterranean, 2007

|                            | Male     |           |           |           |           | Female    |           |          |           |           | All       |           |           |           |          | Male/female ratio |           |           |           |           |           |            |
|----------------------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-------------------|-----------|-----------|-----------|-----------|-----------|------------|
|                            | 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+        |
| Afghanistan                | 3        | 31        | 45        | 48        | 71        | 128       | 173       | 8        | 86        | 138       | 150       | 155       | 163       | 115       | 5        | 57                | 89        | 96        | 111       | 145       | 143       | 1.4        |
| Bahrain                    | 0        | 12        | 28        | 18        | 13        | 17        | 26        | 1        | 18        | 26        | 9         | 9         | 0         | 8         | 1        | 15                | 27        | 15        | 11        | 11        | 17        | 1.7        |
| Djibouti                   | 9        | 267       | 407       | 310       | 286       | 241       | 200       | 5        | 145       | 206       | 136       | 116       | 70        | 125       | 7        | 207               | 307       | 223       | 199       | 151       | 159       | 1.5        |
| Egypt                      | 0        | 8         | 14        | 15        | 18        | 16        | 13        | 0        | 7         | 6         | 6         | 6         | 8         | 4         | 0        | 7                 | 10        | 11        | 12        | 12        | 8         | 1.2        |
| Iran (Islamic Republic of) | 0        | 3         | 8         | 8         | 9         | 16        | 44        | 0        | 5         | 4         | 4         | 9         | 20        | 51        | 0        | 4                 | 6         | 6         | 9         | 18        | 47        | 1.8        |
| Iraq                       | 0        | 1         | 25        | 18        | 23        | 35        | 33        | 1        | 10        | 11        | 10        | 14        | 23        | 16        | 0        | 10                | 18        | 14        | 18        | 29        | 24        | 2.4        |
| Jordan                     | 0        | 1         | 4         | 3         | 5         | 6         | 5         | 0        | 2         | 2         | 2         | 1         | 10        | 7         | 0        | 1                 | 3         | 3         | 3         | 8         | 6         | 1.6        |
| Kuwait                     | 0        | 7         | 15        | 7         | 15        | 12        | 15        | 0        | 13        | 20        | 9         | 13        | 18        | 17        | 0        | 9                 | 17        | 7         | 15        | 14        | 16        | 1.6        |
| Lebanon                    | 0        | 3         | 6         | 5         | 6         | 8         | 3         | 0        | 5         | 9         | 4         | 2         | 2         | 1         | 0        | 4                 | 7         | 5         | 4         | 5         | 2         | 2.2        |
| Libyan Arab Jamahiriya     | 0        | 10        | 23        | 19        | 9         | 7         | 8         | 0        | 4         | 3         | 3         | 4         | 5         | 9         | 0        | 7                 | 13        | 11        | 7         | 6         | 8         | 1.2        |
| Morocco                    | 2        | 65        | 97        | 84        | 73        | 63        | 70        | 3        | 36        | 31        | 22        | 22        | 35        | 41        | 2        | 51                | 62        | 51        | 48        | 48        | 54        | 1.1        |
| Oman                       | 0        | 6         | 9         | 12        | 15        | 23        | 21        | 1        | 8         | 6         | 10        | 13        | 17        | 39        | 0        | 7                 | 8         | 11        | 14        | 20        | 30        | 3.0        |
| Pakistan                   | 3        | 50        | 71        | 86        | 107       | 158       | 163       | 9        | 64        | 79        | 88        | 88        | 107       | 88        | 6        | 57                | 75        | 87        | 98        | 133       | 124       | 1.5        |
| Qatar                      | 0        | 38        | 26        | 15        | 11        | 14        | 0         | 0        | 9         | 11        | 10        | 12        | 0         | 0         | 1        | 26                | 22        | 14        | 11        | 11        | 0         | 1.0        |
| Saudi Arabia               | 0        | 11        | 12        | 10        | 15        | 23        | 26        | 1        | 13        | 10        | 8         | 10        | 10        | 19        | 0        | 12                | 11        | 9         | 13        | 17        | 22        | 2.0        |
| Somalia                    | 6        | 153       | 160       | 140       | 151       | 193       | 281       | 7        | 74        | 81        | 88        | 84        | 107       | 104       | 7        | 113               | 120       | 114       | 116       | 146       | 184       | 1.6        |
| Sudan                      | 4        | 34        | 66        | 79        | 85        | 86        | 87        | 4        | 26        | 47        | 51        | 55        | 51        | 43        | 4        | 30                | 56        | 65        | 70        | 68        | 63        | 0.9        |
| Syrian Arab Republic       | 0        | 9         | 13        | 11        | 11        | 13        | 20        | 0        | 7         | 6         | 4         | 6         | 8         | 12        | 0        | 8                 | 9         | 8         | 8         | 11        | 16        | 1.8        |
| Tunisia                    | 0        | 11        | 18        | 16        | 19        | 24        | 25        | 1        | 7         | 6         | 6         | 5         | 9         | 13        | 0        | 9                 | 12        | 11        | 12        | 16        | 18        | 1.5        |
| United Arab Emirates       | 0        | 1         | 1         | 0         | 1         | 3         | 34        | 0        | 3         | 2         | 1         | 2         | 0         | 0         | 0        | 2                 | 1         | 1         | 2         | 3         | 20        | 3.0        |
| West Bank and Gaza Strip   | 0        | 0         | 1         | 1         | 0         | 5         | 2         | 0        | 0         | 0         | 0         | 0         | 3         | 0         | 0        | 0                 | 1         | 1         | 0         | 4         | 1         | 1.0        |
| Yemen                      | 0        | 20        | 40        | 41        | 40        | 46        | 49        | 1        | 18        | 25        | 29        | 29        | 29        | 20        | 1        | 19                | 33        | 35        | 34        | 38        | 33        | 1.0        |
| <b>EMR</b>                 | <b>2</b> | <b>29</b> | <b>41</b> | <b>45</b> | <b>54</b> | <b>75</b> | <b>82</b> | <b>4</b> | <b>32</b> | <b>38</b> | <b>40</b> | <b>42</b> | <b>51</b> | <b>47</b> | <b>3</b> | <b>31</b>         | <b>39</b> | <b>43</b> | <b>48</b> | <b>63</b> | <b>64</b> | <b>1.2</b> |

Rates are per 100 000 population of each age/sex group. Rates are calculated excluding those countries for which breakdown of notified cases or population by age and sex is missing. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

Table A3.13 TB case notifications, Eastern Mediterranean, 1980-2007

|                            | 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    | 2006    | 2007    |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Afghanistan                | 71 665  | 71 554  | 41 752  | 52 502  | 18 784  | 10 742  | 14 351  | 18 091  | 16 051  | 14 386  | 4 332   | 23 067  | 140     | 114     | 114     | 43      | 49      | 1 280   | 3 084   | 3 314   | 7 107   | 10 139  | 13 794  | 13 808  | 18 404  | 21 844  | 25 475  | 28 769  |
| Bahrain                    | 219     | 262     | 156     | 232     | 208     | 194     | 156     | 120     | 142     | 122     | 117     | 142     | 140     | 140     | 140     | 43      | 3 332   | 3 850   | 3 785   | 4 133   | 3 971   | 4 198   | 3 191   | 2 861   | 244     | 280     | 278     | 296     |
| Dibouti                    | 2 265   | 671     | 1 489   | 2 262   | 1 864   | 1 978   | 2 030   | 2 040   | 2 040   | 2 040   | 2 100   | 2 900   | 2 684   | 3 489   | 3 311   | 4 333   | 3 332   | 3 850   | 3 785   | 4 133   | 3 971   | 4 198   | 3 191   | 2 861   | 244     | 280     | 278     | 296     |
| 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  | 11 777  | 10 762  | 10 549  | 11 177  | 11 480  | 11 620  | 11 446  | 10 046  | 9 841   |
| Iran (Islamic Republic of) | 42 717  | 11 728  | 9 509   | 8 589   | 10 493  | 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  | 11 794  | 12 062  | 11 850  | 11 783  | 11 464  | 10 900  | 10 171  | 9 192   | 9 361   | 9 316   |
| Iraq                       | 11 809  | 10 614  | 7 741   | 6 807   | 6 807   | 6 846   | 6 517   | 11 384  | 14 312  | 14 735  | 15 527  | 18 553  | 18 553  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  | 19 733  |
| Jordan                     | 288     | 646     | 860     | 856     | 672     | 769     | 592     | 537     | 553     | 484     | 439     | 390     | 504     | 427     | 443     | 488     | 488     | 397     | 380     | 373     | 306     | 342     | 312     | 310     | 324     | 367     | 359     | 336     |
| 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     | 644     | 646     |
| Lebanon                    | 67      | 75      | 284     | 410     | 1 943   | 2 257   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   | 2 478   |
| Libyan Arab Jamahiriya     | 718     | 481     | 512     | 610     | 357     | 325     | 276     | 331     | 416     | 265     | 442     | 239     | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   | 1 164   |
| Morocco                    | 24 878  | 28 637  | 28 095  | 26 944  | 22 279  | 26 790  | 27 563  | 27 159  | 25 717  | 26 756  | 27 658  | 27 638  | 25 403  | 27 626  | 30 316  | 29 829  | 31 771  | 30 227  | 29 087  | 29 854  | 28 852  | 28 285  | 29 804  | 28 789  | 25 909  | 26 269  | 26 099  | 25 562  |
| Oman                       | 1 872   | 928     | 897     | 802     | 843     | 861     | 1 265   | 616     | 477     | 478     | 482     | 442     | 367     | 281     | 304     | 276     | 300     | 298     | 287     | 249     | 231     | 292     | 290     | 255     | 292     | 261     | 339     | 328     |
| Pakistan                   | 316 340 | 324 576 | 326 492 | 117 739 | 91 572  | 114 419 | 148 004 | 179 480 | 194 323 | 170 562 | 156 759 | 194 323 | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  | 73 175  |
| Qatar                      | 257     | 213     | 172     | 206     | 203     | 250     | 220     | 248     | 223     | 191     | 184     | 195     | 195     | 200     | 200     | 304     | 257     | 212     | 253     | 259     | 279     | 284     | 278     | 276     | 272     | 325     | 339     | 399     |
| Saudi Arabia               | 10 956  | 8 263   | 8 529   | 7 551   | 7 163   | 3 966   | 3 696   | 3 029   | 2 433   | 2 563   | 2 415   | 2 221   | 2 016   | 2 386   | 2 518   | 2 518   | 2 518   | 2 518   | 2 518   | 2 518   | 2 518   | 2 518   | 2 518   | 2 518   | 2 518   | 2 518   | 2 518   | 2 518   |
| Somalia                    | 32 971  | 47 431  | 1 689   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   | 1 838   |
| Sudan                      | 2 504   | 2 316   | 2 554   | 3 062   | 2 801   | 2 510   | 2 467   | 2 272   | 2 309   | 2 403   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   | 2 084   |
| Syrian Arab Republic       | 522     | 638     | 597     | 507     | 534     | 566     | 464     | 616     | 339     | 308     | 285     | 234     | 227     | 227     | 227     | 227     | 227     | 227     | 227     | 227     | 227     | 227     | 227     | 227     | 227     | 227     | 227     | 227     |
| United Arab Emirates       | 191     | 139     | 136     | 136     | 123     | 113     | 63      | 62      | 85      | 145     | 64      | 89      | 97      | 97      | 97      | 77      | 40      | 18      | 18      | 18      | 18      | 18      | 18      | 18      | 18      | 18      | 18      | 18      |
| West Bank and Gaza Strip   | 191     | 139     | 136     | 136     | 123     | 113     | 63      | 62      | 85      | 145     | 64      | 89      | 97      | 97      | 97      | 77      | 40      | 18      | 18      | 18      | 18      | 18      | 18      | 18      | 18      | 18      | 18      | 18      |
| Yemen                      | 522 110 | 514 791 | 433 271 | 234 482 | 171 652 | 186 344 | 230 427 | 288 805 | 280 126 | 261 441 | 234 620 | 315 483 | 109 087 | 201 620 | 119 374 | 121 734 | 145 373 | 136 232 | 233 878 | 171 734 | 141 734 | 165 904 | 191 744 | 207 375 | 235 943 | 287 352 | 322 306 | 378 895 |
| EMR                        | 18      | 20      | 19      | 19      | 20      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      | 21      |
| Number reporting           | 82      | 91      | 86      | 86      | 86      | 91      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      | 95      |
| % reporting                |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

From 1995 on, number shown is all notified new and relapse cases (DOTS and non-DOTS). Figures for all years are updated as new information becomes available, so they may differ from those published previously. Data can be downloaded from www.who.int/tb

Table A3.14 TB case notification rates, Eastern Mediterranean, 1980-2007

|                            | 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 | 2006 | 2007 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Afghanistan                | 514  | 521  | 312  | 403  | 149  | 87   | 119  | 152  | 135  | 119  | 34   | 171  | 7    | 8    | 7    | 16   | 16   | 34   | 47   | 62   | 60   | 76   | 87   | 98   | 106  | 106  | 98   | 106  |
| Bahrain                    | 63   | 73   | 42   | 60   | 52   | 47   | 36   | 27   | 31   | 26   | 24   | 28   | 27   | 21   | 21   | 23   | 32   | 28   | 28   | 28   | 38   | 34   | 39   | 38   | 39   | 38   | 38   | 38   |
| Dibouti                    | 640  | 184  | 388  | 562  | 454  | 427  | 406  | 382  | 375  | 500  | 487  | 560  | 542  | 519  | 577  | 551  | 583  | 544  | 562  | 418  | 416  | 372  | 387  | 368  | 384  | 384  | 384  | 384  |
| Egypt                      | 4    | 3    | 4    | 4    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    |
| Iran (Islamic Republic of) | 109  | 29   | 22   | 19   | 23   | 18   | 16   | 19   | 19   | 19   | 22   | 16   | 24   | 34   | 21   | 26   | 22   | 20   | 18   | 18   | 18   | 18   | 17   | 16   | 15   | 13   | 13   | 13   |
| 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   | 38   | 34   | 28   | 27   |
| Jordan                     | 13   | 28   | 36   | 34   | 26   | 28   | 21   | 19   | 19   | 16   | 13   | 11   | 14   | 11   | 11   | 11   | 11   | 9    | 8    | 8    | 8    | 6    | 7    | 6    | 6    | 6    | 6    | 6    |
| Kuwait                     | 62   | 57   | 58   | 55   | 50   | 42   | 34   | 28   | 23   | 22   | 13   | 16   | 14   | 12   | 13   | 19   | 23   | 29   | 29   | 24   | 23   | 21   | 24   | 22   | 21   | 19   | 23   | 23   |
| Lebanon                    | 2    | 3    | 10   | 14   | 67   | 78   | 85   | 22   | 13   | 16   | 14   | 12   | 13   | 19   | 23   | 29   | 29   | 24   | 23   | 19   | 17   | 18   | 15   | 14   | 11   | 10   | 10   | 9    |
| Libyan Arab Jamahiriya     | 23   | 15   | 15   | 17   | 10   | 8    | 7    | 8    | 10   | 6    | 10   | 5    | 26   | 30   | 28   | 31   | 25   | 33   | 34   | 29   | 31   | 25   | 33   | 34   | 29   | 35   | 33   | 34   |
| Morocco                    | 127  | 143  | 136  | 127  | 102  | 120  | 121  | 116  | 108  | 110  | 111  | 109  | 99   | 106  | 114  | 111  | 116  | 109  | 103  | 105  | 100  | 97   | 101  | 90   | 86   | 86   | 85   | 82   |
| Oman                       | 158  | 74   | 68   | 58   | 58   | 58   | 56   | 79   | 37   | 28   | 27   | 26   | 23   | 19   | 14   | 13   | 13   | 12   | 12   | 12   | 11   | 13   | 12   | 10   | 12   | 10   | 13   | 13   |
| Pakistan                   | 389  | 396  | 384  | 133  | 100  | 117  | 151  | 175  | 183  | 156  | 139  | 167  | 160  | 60   | 60   | 65   | 15   | 8    | 23   | 35   | 46   | 61   | 90   | 110  | 110  | 110  | 110  | 110  |
| Qatar                      | 112  | 85   | 62   | 68   | 61   | 69   | 61   | 52   | 42   | 39   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
| Saudi Arabia               | 114  | 81   | 79   | 66   | 59   | 31   | 27   | 21   | 16   | 16   | 15   | 13   | 12   | 14   | 14   | 14   | 14   | 16   | 16   | 17   | 17   | 16   | 15   | 15   | 14   | 15   | 16   | 16   |
| Somalia                    | 168  | 234  | 43   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   | 42   |
| Sudan                      | 19   | 19   | 19   | 20   | 20   | 35   | 37   | 41   | 45   | 47   | 43   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   | 40   |
| Syrian Arab Republic       | 39   | 35   | 38   | 44   | 35   | 34   | 33   | 30   | 29   | 30   | 25   | 25   | 25   | 30   | 27   | 27   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   | 26   |
| Tunisia                    | 51   | 56   | 51   | 40   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |



# Notes

## Bahrain

**TABLES A3.5 AND A3.6:** of the 296 notified TB cases, 231 were in non-nationals; of the 109 new smear-positive cases notified, 91 were in non-nationals.

## Lebanon

**TABLES A3.1–A3.4:** estimates will be further reviewed in 2009 based on additional in-depth analysis of national and subnational notification data.

## Pakistan

**TABLES A3.5 AND A3.6:** according to data from three provinces (which account for 90% of notified cases), 19% of all notified new cases were reported from PPM initiatives.

## Somalia

**TABLES A3.1–A3.4:** estimates will be further reviewed in 2009 based on additional in-depth analysis of national and subnational notification data.

## Sudan

**TABLE A3.6:** DOTS coverage is the weighted average of coverage in the northern (100% coverage) and southern (55% coverage) parts of the country, which account for 80% and 20% of the total population, respectively.

**TABLE A3.7:** the numbers of laboratories performing culture and DST do not include those in the southern part of the country.

## Yemen

**TABLES A3.1–A3.4:** estimates will be further reviewed in 2009 based on additional in-depth analysis of national and subnational notification data.