

Summary by WHO region ...

Africa ...

The Americas ...

Eastern Mediterranean...

**Europe ...**

South-East Asia ...

Western Pacific ...

# Europe

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

Albania	Hasan Hafizi
Andorra	Margarita Coll Armangué
Armenia	N. Mejluman
Austria	Jean-Paul Klein
Azerbaijan	Svetlana Mamedova
Belarus	Astrovko Andrei P.
Belgium	Maryse Wanlin; Greet Vankersschaever; Patrick De Smet
Bosnia & Herzegovina	Zehra Dizdarevic; Mladen Duronjic
Bulgaria	Tonka Varleva; Donka Stefanova
Croatia	Aleksandar Simunovic
Cyprus	Andreas Georgiou; Georgios Georgiades
Czech Republic	Ludek Trnka; Alena Ondrackova
Denmark	Peter Henrik Andersen
Estonia	Kai Kliiman; Vahur Hollo
Finland	Petri Ruutu
France	Marie Claire Paty; Antoine Delphine
Georgia	Archil Salakaia
Germany	Walter Haas; Bonita Brodhun
Greece	Georgia Spala; Dimitra Panagiotopoulou
Hungary	Imre Vadasz; Judit Mester
Iceland	Thorsteinn Blöndal
Ireland	Joan O'Donnell
Israel	Daniel Chemtob; Galia Pinsker
Italy	Maria Grazia Pompa; Stefania D'Amato
Kazakhstan	Galimzhan Borankulovich Rakishev; Clara Khasanovna Baimukhanova
Kyrgyzstan	Avtandil Shermamatovich Alisherov; Elmira Djusunbekovna Adrakhmanova
Latvia	Janis Leimans; Vija Riekstina
Lithuania	Edita Davidavičienė
Luxembourg	Pierrette Huberty-Krau; Norbert Charlé
Malta	Analita Pace Ascjak
Monaco	
Montenegro	Olivera Bojovic
Netherlands	Vincent Kuyvenhoven; Connie Erkens
Norway	Brita Askeland Winje
Poland	Kazimierz Roszkowski; Ireneusz Szczuka; Maria Korzeniewska-Kosela
Portugal	António Fonseca Antunes
Republic of Moldova	Silviu Sofronie; Dumitru Sain
Romania	Ioan Paul Stoicescu; Elmira Ibraim
Russian Federation	Yekaterina Petrovna Kakorina; Mikhail Izrailievich Perelman; Elena Mikhailovna Bogorodskaya
San Marino	
Serbia	Gordana Radosavljevic Asic; Rukije Mehmeti; Radmila Curcic
Slovakia	Ivan Solovic
Slovenia	Jurij Sorli; Damjan Erzen
Spain	Odorina Tello Anchuela; Elena Rodríguez Valín
Sweden	Victoria Romanus
Switzerland	Peter Helbling
Tajikistan	Sadulo Makhmadalievich Saidaliev
TFYR Macedonia	Stefan Talevski; Maja Zakoska
Turkey	Feyzullah Gümüslu; Ülgen Gullu
Turkmenistan	Babakuli Dzhumaev
Ukraine	Olga Nedospasova; Olga Sakalskaya
United Kingdom	John Watson; Brian Smyth; Jim McMenamin; Roland Salmon; Jonathan Crofts; Fiona Johnston
Uzbekistan	Abdulla Abdurakhmanovich Yuldashev

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

**EUROPE: SUMMARY OF TB CONTROL POLICIES**

	DOTS COVERAGE, %	NTP MANUAL	SMEAR MICROSCOPY FOR DIAGNOSIS	STANDARDIZED CHEMOTHERAPY	DOT	MONITORING OUTCOMES	CASES NOTIFIED BY TYPE: AGE & SEX	2004 COHORT OUTCOMES REPORTED: NEW; RETREATMENT	SMEAR MICROSCOPY FREE-OF-CHARGE	DRUGS FREE-OF-CHARGE	UNINTERRUPTED DRUG SUPPLY	EQA FOR SMEAR MICROSCOPY	STRATEGIC HRD PLAN	TB CONTROL IN CURRICULA OF DOCTORS AND NURSES	UP-TO-DATE JOB DESCRIPTIONS	GUIDELINES FOR PRIVATE PRACTITIONERS	PUBLIC PROVIDERS NOTIFIED/REFERRED	PRIVATE PROVIDERS NOTIFIED/REFERRED	ISTC PROMOTED IN 2006	HEALTH SYSTEM STRENGTHENING IN PLAN	PAL IN PLAN	COMMUNITY-BASED TB CARE	PATIENTS' CHARTER PROMOTED IN 2006	OPERATIONAL RESEARCH	MDR-TB MGMT. IN LINE WITH WHO GUIDELINES	HIV COUNSELLING & TESTING	SURVEILLANCE OF HIV PREV. IN TB PTS		
ALBANIA	33																												
ANDORRA	100																												
ARMENIA	100																												
AUSTRIA	100																												
AZERBAIJAN	100																												
BELARUS	100																												
BELGIUM	100																												
BOSNIA & HERZEGOVINA	100																												
BULGARIA	100																												
CROATIA	25																												
CYPRUS	100																												
CZECH REPUBLIC	100																												
DENMARK	100																												
ESTONIA	100																												
FINLAND	0																												
FRANCE	0																												
GEORGIA	100																												
GERMANY	100																												
GREECE	0																												
HUNGARY	100																												
ICELAND	100																												
IRELAND	0																												
ISRAEL	100																												
ITALY	65																												
KAZAKHSTAN	100																												
KYRGYZSTAN	100																												
LATVIA	100																												
LITHUANIA	96																												
LUXEMBOURG	100																												
MALTA	100																												
MONACO	0																												
MONTENEGRO	0																												
NETHERLANDS	100																												
NORWAY	100																												
POLAND	100																												
PORTUGAL	100																												
REPUBLIC OF MOLDOVA	100																												
ROMANIA	100																												
RUSSIAN FEDERATION	83																												
SAN MARINO	0																												
SERBIA	98																												
SLOVAKIA	100																												
SLOVENIA	100																												
SPAIN	0																												
SWEDEN	100																												
SWITZERLAND	0																												
TAJIKISTAN	61																												
TIFR MACEDONIA	100																												
TURKEY	3																												
TURKMENISTAN	37																												
UKRAINE	29																												
UNITED KINGDOM	0																												
UZBEKISTAN	100																												
EUR	60																												

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

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

■ Yes/all ● Some/partially ▲ No/not applicable. See explanatory notes on page 163 for details of colour-coding.

Table A2.1 Estimated burden of TB, Europe, 1990 and 2005

	Incidence, 1990				Prevalence, 1990				TB mortality, 1990				Incidence, 2005				Prevalence, 2005				TB mortality, 2005				HIV prevalence in adult incident TB cases (%)	
	All forms*		Smear-positive*		All forms*		Smear-positive*		All forms*		Smear-positive*		All forms*		Smear-positive*		All forms*		Smear-positive*		All forms*		Smear-positive*		number	rate
	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate		
Albania	815	25	367	11	1 372	42	140	4	619	20	—	—	279	9	—	888	28	—	—	109	3	—	—	—	—	
Andorra	1 17	33	522	15	1 877	53	206	6	2 140	71	13	51	962	32	—	2 371	79	—	—	301	10	—	—	—	—	
Armenia	1 648	21	739	10	1 283	17	165	2	942	11	35	51	420	5	12	51	723	9	18	51	94	1	3	51	8.0	
Austria	2 518	35	1 133	16	4 156	68	380	5	6 364	76	30	51	2 861	34	10	51	7 140	85	15	51	851	10	5	51	0.7	
Azerbaijan	3 940	38	1 772	17	6 458	63	558	5	6 015	62	85	51	2 698	28	30	51	6 630	70	42	51	807	8	15	51	2.0	
Belarus	2 013	20	904	9	1 602	16	205	2	1 330	13	47	51	594	6	16	51	1 068	10	23	51	139	1	5	51	7.5	
Belgium	4 042	94	1 819	42	6 937	161	662	15	2 016	52	—	—	907	23	—	—	2 217	57	—	—	294	8	—	—	—	
Bosnia & Herzegovina	2 343	27	1 054	12	3 832	44	329	4	3 012	39	—	—	1 355	18	—	—	3 150	41	—	—	402	5	—	—	—	
Bulgaria	3 336	74	1 501	33	5 717	127	529	12	1 849	41	—	—	832	18	—	—	2 337	65	—	—	295	6	—	—	—	
Croatia	52	8	24	3	86	13	5	51	35	4	—	—	16	2	—	—	40	5	—	—	4	51	—	—	—	
Cyprus	2 150	21	967	9	2 247	22	243	2	1 060	10	4	51	476	5	2	51	1 105	11	2	51	120	1	51	51	0.9	
Czech Republic	713	14	320	6	580	11	74	1	406	7	12	51	182	3	4	51	313	6	6	51	41	51	1	51	6.2	
Denmark	497	31	223	14	842	53	68	4	568	43	30	2	253	19	10	51	614	46	15	51	84	6	6	51	7.4	
Estonia	874	18	393	8	680	14	87	2	327	6	4	51	147	3	1	51	253	5	2	51	33	51	51	51	2.3	
Finland	13 556	24	6 071	11	11 014	19	1 408	2	7 793	13	407	51	3 466	6	143	51	6 205	10	204	51	815	1	48	51	11	
France	2 081	38	936	17	2 864	52	382	7	3 695	83	34	51	1 659	37	12	51	3 828	86	17	51	486	11	6	51	1.3	
Georgia	15 525	20	6 977	9	12 080	15	1 553	2	5 949	7	96	51	2 667	3	34	51	4 602	6	48	51	595	51	9	51	3.5	
Germany	3 116	31	1 399	14	2 833	28	388	4	1 838	17	42	51	823	7	15	51	1 655	15	21	51	231	2	7	51	—	
Greece	4 258	41	1 916	18	7 026	68	576	6	2 187	22	4	51	984	10	1	51	2 514	25	2	51	292	3	51	51	0.4	
Hungary	15	6	7	3	12	5	2	51	8	3	51	51	4	1	51	51	6	2	51	51	51	51	51	51	5.7	
Iceland	860	24	386	11	669	19	86	2	503	12	15	51	225	5	5	51	404	10	8	51	52	1	2	51	6.5	
Ireland	641	14	289	6	499	11	64	1	515	8	—	—	232	3	—	—	401	6	—	—	52	51	—	—	—	
Israel	7 198	13	3 221	6	5 803	10	814	1	3 975	7	242	51	1 764	3	85	51	3 130	5	121	51	449	51	27	51	13	
Italy	9 697	59	4 363	26	15 858	96	1 362	8	21 347	144	230	2	9 583	65	81	51	23 032	155	115	51	2 860	19	41	51	1.5	
Kazakhstan	2 412	55	1 085	25	3 972	90	369	8	6 346	121	38	51	2 882	54	13	51	7 013	133	19	51	827	18	7	51	0.8	
Kyrgyzstan	915	34	412	15	1 507	56	140	5	1 444	63	47	2	645	28	16	51	1 522	66	23	51	213	9	9	51	4.5	
Latvia	1 471	40	662	18	2 400	65	200	5	2 146	63	15	51	964	28	5	51	2 169	63	8	51	238	7	2	51	1.0	
Lithuania	79	21	36	9	65	17	8	2	53	11	51	51	24	5	51	51	42	9	5	51	5	51	51	51	5.7	
Luxembourg	37	10	17	5	33	9	4	1	22	6	—	—	10	2	51	51	18	4	51	51	3	51	51	51	3.8	
Mali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Monaco	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Montenegro	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands	1 936	13	869	6	1 507	10	194	1	1 138	7	33	51	509	3	12	51	876	5	16	51	114	51	3	51	6.2	
Norway	410	10	184	4	333	8	43	1	241	5	4	51	108	2	1	51	186	4	2	51	24	51	51	51	3.2	
Poland	19 897	52	8 951	23	33 652	88	2 897	8	10 072	26	38	51	4 528	12	13	51	11 291	29	19	51	1 367	4	7	51	0.7	
Portugal	6 736	67	3 017	30	5 242	53	674	7	3 457	33	173	2	1 538	15	61	51	2 642	25	86	51	345	3	17	51	10.8	
Republic of Moldova	2 785	64	1 252	29	4 553	104	391	9	5 817	138	248	6	2 593	62	87	2	6 252	149	124	3	787	19	44	1	6.0	
Romania	17 057	73	7 676	33	28 193	121	2 406	10	29 143	134	—	—	13 114	60	—	—	31 680	146	—	—	3 981	18	—	—	—	
Russian Federation	75 116	51	33 802	23	120 994	62	14 584	10	170 422	119	7 525	5	75 937	53	2 634	2	214 229	150	3 762	3	28 477	20	1 875	1	6.2	
San Marino	3	11	1	5	2	8	51	1	2	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Serbia	6 029	59	2 712	27	10 347	102	973	10	3 117	33	21	51	1 401	15	7	51	3 980	42	10	51	500	5	6	51	1.1	
Slovakia	2 087	40	939	18	2 850	54	344	7	920	17	51	51	414	8	51	51	1 077	20	51	51	144	3	51	51	0.1	
Slovenia	822	43	370	19	1 371	71	99	5	287	15	51	51	129	7	51	51	303	15	51	51	38	2	51	51	0.1	
Spain	20 042	51	8 955	23	16 284	41	2 082	5	11 839	27	869	2	5 241	12	304	51	9 348	22	434	1	1 241	3	102	51	16	
Sweden	594	7	267	3	462	5	59	51	535	6	13	51	239	3	5	51	412	5	7	51	53	51	1	51	5.4	
Switzerland	1 232	18	552	8	989	14	123	2	528	7	26	51	235	3	9	51	403	6	13	51	53	51	3	51	11	
Tajikistan	5 921	112	2 664	50	10 371	196	1 174	22	12 854	198	76	1	5 776	89	27	51	19 295	297	38	51	2 471	38	27	51	0.8	
TF YR Macedonia	1 026	54	462	24	1 758	92	214	11	601	30	51	51	270	13	51	51	681	33	51	51	104	5	51	51	0.1	
Turkey	28 301	49	12 735	22	47 653	83	4 879	9	21 089	29	—	—	9 490	13	—	—	32 348	44	—	—	3 416	5	—	—	—	
Turkmenistan	2 356	64	1 060	29	3 879	106	360	10	3 393	70	1	51	1 527	32	51	51	4 373	90	51	51	495	10	51	51	0.1	
Ukraine	21 520	41	9 675	19	35 743	69	3 160	6	46 183	99	2 578	6	20 525	44	902	2	55 686	120	1 289	3	6 302	14	481	1	7.9	
United Kingdom	6 689	12	3 008	5	5 213	9	670	1	8 494	14	266	51	3 796	6	93	51	6 536	11	133	51	849	1	26	51	6.7	
Uzbekistan	14 026	68	6 312	31	23 516	115	2 115	10	30 173	113	267	1	13 551	51	94	51	36 984	139	134	51	4 148	16	56	51	1.2	
EUR	322 577	38	144 987	17	459 206	54	48 446	6	445 025	50	13 572	2	198 904	23	4 750	51	525 043	60	6 786	51	65 734	7	2 845	51	4.6	

— Indicates no estimate.  
 \* Incidence, prevalence and mortality estimates include patients with HIV. Estimates labelled "HIV+" are estimates of TB in HIV-positive adults (aged 15-49 years). 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 on page 163 for further details. Data can be downloaded from [www.who.int/tb](http://www.who.int/tb)

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

	TB cases notified from whole country (DOTS + non-DOTS)												Incidence and case detection rates				Proportions				
	Country total (WHO total)		New and relapse (WHO total)		New extra-pulmonary		Re-treatment cases		Other		New pulm. lab. confirm.		Estimated incidence all forms number	Case detection rate all new ss+ number	new ss+ %	ss+ (% of pulm.)	ss+ (% of new-relapse)	Extrapulm. (% of new-relapse)	Re-treat. (% of new-relapse)		
	number	rate	number	rate	number	rate	number	rate	number	rate	number	rate								number	rate
Albania	3 130	540	16	196	6	134	167	9	3	30	30	215	619	279	80	70	59	39	33	8	
Andorra	67	10	15	5	7	1	4	0	0	0	0	6	12	5	85	94	83	50	40	14	
Armenia	3 016	2 322	2 206	73	581	19	1 049	365	211	70	46	581	2 140	962	93	60	36	26	17	14	
Austria	8 189	954	928	11	234	3	519	175	0	26	26	533	942	420	99	56	31	25	19	3	
Azerbaijan	8 411	7 920	6 034	72	1 561	19	2 508	651	1 314	1 886	1 049	1 561	6 364	2 861	74	55	38	26	11	40	
Belarus	9 755	6 357	5 308	54	1 235	13	3 710	363	0	0	0	2 249	6 015	2 688	88	46	25	23	7	17	
Belgium	10 419	1 144	1 076	10	380	4	406	290	68	68	68	658	1 330	584	81	64	48	35	27	6	
Bosnia & Herzegovina	3 907	2 160	2 111	54	640	16	1 106	258	107	49	0	1 036	2 016	907	99	71	37	30	12	7	
Bulgaria	7 726	3 302	3 225	42	1 214	16	1 511	376	124	77	124	1 214	3 012	1 355	103	90	45	38	12	6	
Croatia	4 551	1 144	1 050	23	372	8	575	103	94	94	94	563	1 849	832	57	45	39	35	10	8	
Cyprus	835	37	4	9	1	13	12	0	0	0	0	19	35	16	96	57	41	26	35	8	
Czech Republic	10 220	1 007	973	10	308	3	461	204	34	34	34	543	1 060	476	82	65	40	32	21	3	
Denmark	5 431	424	395	7	129	2	145	121	0	0	0	220	406	182	97	71	47	33	31	7	
Estonia	1 330	519	479	36	162	12	217	46	54	12	22	292	568	253	75	64	43	34	10	18	
Finland	5 249	361	339	6	130	2	114	95	0	0	0	234	327	147	104	89	53	38	28	6	
France	60 496	5 374	4 887	8	1 941	3	1 557	0	0	0	0	2 740	7 793	3 466	63	56	55	40	28	7	
Georgia	4 474	6 448	4 501	101	1 509	34	1 524	1 261	207	175	501	1 512	3 695	1 659	116	91	50	34	28	33	
Germany	82 689	6 045	5 539	7	1 379	2	2 801	1 211	148	12	39	3 165	5 949	2 667	91	52	33	25	22	8	
Greece	11 120	767	626	6	197	2	322	107	74	74	67	293	1 838	823	34	24	38	31	17	11	
Hungary	10 098	2 024	1 808	18	423	4	1 137	117	216	216	216	716	2 187	984	77	43	27	23	6	17	
Iceland	295	11	10	3	2	1	3	5	1	1	1	5	8	4	119	53	40	20	50	9	
Ireland	4 148	461	387	9	130	3	156	99	2	38	38	187	503	225	77	58	45	34	26	9	
Israel	6 725	406	402	6	98	1	203	98	4	4	4	186	515	232	77	42	33	24	24	2	
Italy	58 093	4 137	3 828	7	1 275	2	1 506	1 047	293	16	178	1 778	3 975	1 764	96	72	46	33	27	7	
Kazakhstan	14 825	31 187	25 739	174	6 911	47	14 472	920	3 436	1 227	1 198	8 290	21 347	9 583	104	72	32	27	4	28	
Kyrgyzstan	5 264	6 765	6 329	120	1 972	37	2 141	1 805	411	436	0	4 113	6 346	2 852	93	69	42	31	29	13	
Latvia	2 307	1 443	1 409	61	536	23	554	148	171	3	31	843	1 444	645	86	83	49	38	11	14	
Lithuania	3 431	2 574	2 114	62	984	28	793	357	0	460	0	1 266	2 146	964	99	100	55	46	17	18	
Luxembourg	465	37	37	8	14	3	20	3	0	0	0	34	53	24	70	59	41	38	8	4	
Malta	402	23	21	5	5	1	10	6	1	1	1	8	22	10	94	50	33	24	29	5	
Monaco	35																				
Montenegro	623	170	156	25	64	10	66	13	14	14	14	93	203	91	70	70	49	41	8	16	
Netherlands	16 299	1 157	1 127	7	237	1	491	385	30	30	30	543	1 138	509	98	47	33	21	34	4	
Norway	4 620	290	269	6	48	1	119	102	14	14	14	128	241	108	112	44	29	18	38	5	
Poland	38 530	9 280	8 203	21	2 823	7	4 591	789	1 077	1 077	1 077	4 514	10 072	4 528	81	62	38	34	10	12	
Portugal	10 495	3 536	3 303	31	1 302	12	974	905	122	8	58	1 825	3 457	1 538	92	85	57	39	27	10	
Republic of Moldova	4 206	6 278	5 141	122	1 696	40	2 237	568	640	369	488	8 290	5 817	2 593	77	65	43	33	11	28	
Romania	21 711	29 347	26 104	120	10 801	50	8 038	3 968	3 697	1 600	536	12 716	29 143	13 114	77	82	57	41	14	24	
Russian Federation	143 202	156 047	127 930	89	32 605	23	74 301	12 320	8 704	28 617	2	42 748	170 422	75 937	70	43	30	25	10	24	
San Marino	28																				
Serbia	9 546	3 468	3 208	34	1 105	12	1 584	479	40	6	16	1 470	3 120	1 400	102	79	41	34	15	9	
- Serbia (without Kosovo)	7 441	2 366	2 106	28	873	12	988	245	238	238	0	1 238	2 032	917	102	79	47	41	12	11	
- Kosovo	2 105	1 102	1 102	52	232	11	596	234	6	6	6	1 232	1 083	483	70	70	28	21	21	4	
Slovakia	5 401	760	710	13	162	3	356	134	5	1	44	301	920	414	71	39	31	23	19	14	
Slovenia	1 967	278	269	14	109	6	110	30	20	0	3	199	287	129	87	84	50	41	11	10	
Spain	43 064	7 820	7 281	17	2 511	6	3 880	890	1 078	6	1 078	3 727	11 839	5 241	61	48	39	34	12	13	
Sweden	9 041	569	539	6	134	1	208	197	0	0	0	279	535	239	101	56	39	25	37	5	
Switzerland	6 507	567	508	7	108	1	249	151	0	0	0	293	528	235	96	46	30	21	30	19	
Tajikistan	7 507	7 142	5 460	84	1 745	27	1 417	1 147	123	24	26	2 175	12 854	5 776	42	30	45	32	26	29	
TFYR Macedonia	2 034	658	598	29	178	9	236	141	43	60	60	209	601	270	92	66	43	30	24	16	
Turkey	73 193	20 535	19 744	27	7 450	10	5 944	5 359	991	46	227	8 485	21 089	9 490	89	79	56	38	27	12	
Turkmenistan	4 833	3 291	3 191	66	995	21	1 498	656	42	100	100	995	46 183	20 525	93	65	40	31	21	4	
Ukraine	46 481	39 608	39 608	85																	
United Kingdom	59 668	8 465	8 173	14	1 821	3	2 752	3 600	460	0	460	3 377	8 494	3 796	96	48	40	22	44	5	
Uzbekistan	26 593	28 891	21 513	81	5 695	21	7 857	6 324	1 637	316	213	5 695	30 173	13 551	66	42	42	26	29	31	
<b>EUR</b>	<b>882 395</b>	<b>424 060</b>	<b>365 346</b>	<b>41</b>	<b>96 101</b>	<b>11</b>	<b>157 334</b>	<b>49 831</b>	<b>0</b>	<b>22 472</b>	<b>3 868</b>	<b>5 079</b>	<b>445 028</b>	<b>198 903</b>	<b>68</b>	<b>48</b>	<b>38</b>	<b>26</b>	<b>14</b>	<b>22</b>	

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

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

	TB cases reported from DOTS services										Estimated incidence and case detection rate				Proportions		
	DOTS coverage %	New and relapse (WHO total)		New pulmonary		New extra-pulmonary		Re-treatment cases		New pulm. lab. confirm. number	Estimated incidence all forms number	Case detection rate new ss+ %	ss+ (% of pulm.)	ss+ (% of new+relapse)	Extrapulm. (% of new+relapse)	Re-treat. (% of new+relapse)	
		number	rate	number	rate	number	rate	number	rate								number
Albania	33	183	6	69	2	47	61	6	7	77	29	25	59	38	33	7	
Andorra	100	10	15	5	7	1	4	0	0	6	85	94	83	50	40	14	
Armenia	100	2 206	73	581	19	1 049	365	211	70	581	93	60	36	26	17	14	
Austria	100	928	11	234	3	519	175	0	46	533	99	56	31	25	19	3	
Azerbaijan	100	6 034	72	1 561	19	2 508	651	1 314	1 886	1 561	74	55	38	26	11	40	
Belarus	100	5 308	54	1 235	13	3 710	363	1 049	0	2 249	88	64	25	23	7	17	
Belgium	100	1 076	10	380	4	406	290	68	0	658	81	66	48	35	27	6	
Bosnia & Herzegovina	100	2 111	54	640	16	1 106	258	107	0	1 036	99	71	37	30	12	7	
Bulgaria	100	3 225	42	1 214	16	1 511	376	124	77	1 214	103	90	45	38	12	6	
Croatia	25	0	0	0	0	0	0	0	0	1 849	832	57	41	26	35	8	
Cyprus	100	973	10	308	3	461	204	34	34	543	92	65	40	32	21	3	
Czech Republic	100	395	7	129	2	145	121	0	29	220	162	71	47	33	31	7	
Denmark	100	479	36	162	12	217	46	54	6	292	75	64	43	34	10	18	
Estonia	100	0	0	0	0	0	0	0	0	327	147	0	0	0	0	0	
Finland	0	0	0	0	0	0	0	0	0	7 793	3 466	0	40	20	50	9	
France	100	4 501	101	1 509	34	1 524	1 261	207	175	1 512	116	91	50	34	28	33	
Georgia	100	5 539	7	1 379	2	2 801	1 211	148	12	3 165	91	52	33	25	22	8	
Germany	100	1 808	18	423	4	1 137	117	131	216	716	77	43	27	23	6	17	
Greece	100	10	3	2	1	3	5	0	1	5	0	0	0	0	0	0	
Hungary	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Iceland	100	402	6	98	1	203	98	3	4	186	77	42	33	24	24	2	
Ireland	65	3 828	7	1 275	2	1 506	1 047	0	293	1 778	96	72	46	33	27	7	
Italy	100	25 739	174	6 911	47	14 472	920	3 436	1 227	8 290	104	72	32	27	4	28	
Kazakhstan	100	6 209	118	1 901	36	2 115	1 782	411	0	4 016	67	67	47	31	29	13	
Kyrgyzstan	100	1 409	61	536	23	554	148	171	3	843	86	86	49	38	11	14	
Latvia	96	2 114	62	964	28	793	357	0	460	1 266	99	100	55	46	17	18	
Lithuania	100	37	8	14	3	20	3	0	0	34	70	59	41	38	8	5	
Luxembourg	100	21	5	5	1	10	6	0	1	8	94	50	33	24	29	5	
Malta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Monaco	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Montenegro	100	1 127	7	237	1	491	385	14	30	543	98	47	33	21	34	4	
Netherlands	100	269	6	48	1	119	102	0	14	128	112	44	29	18	38	5	
Norway	100	8 203	21	2 823	7	4 591	789	0	1 077	4 514	81	62	38	34	10	12	
Poland	100	3 303	31	1 302	12	974	905	122	8	1 825	92	85	57	39	27	10	
Portugal	100	5 141	122	1 686	40	2 237	568	640	369	280	488	65	43	33	11	28	
Republic of Moldova	100	26 104	120	10 801	50	8 038	3 568	3 697	1 600	12 716	77	82	57	41	14	24	
Romania	83	82 643	58	22 690	16	47 151	6 776	6 026	6 433	32 833	45	30	32	27	8	14	
Russian Federation	98	3 208	34	1 105	12	1 584	479	40	6	1 470	102	79	41	34	15	9	
Serbia (without Kosovo)	100	2 106	28	873	12	988	245	6	16	1 238	47	41	47	41	12	11	
Kosovo	98	1 102	52	232	11	596	234	40	238	232	0	0	28	21	21	4	
Slovakia	100	710	13	162	3	356	134	58	1	301	71	39	31	23	19	14	
Slovenia	100	269	14	109	6	110	30	20	3	199	87	84	50	41	11	10	
Spain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sweden	100	539	6	134	1	208	197	0	30	279	101	56	39	25	37	5	
Switzerland	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Tajikistan	61	3 384	52	1 294	20	1 085	920	85	24	1 294	26	22	54	38	27	30	
TIFR Macedonia	100	598	29	178	9	236	141	43	60	209	92	66	43	30	24	16	
Turkey	3	613	1	256	0	143	172	14	5	307	3	3	64	42	28	10	
Turkmenistan	37	1 660	34	661	14	608	349	42	100	661	48	43	52	40	21	8	
Ukraine	29	39 608	85	0	0	0	0	0	0	46 183	20 525	0	0	0	0	0	
United Kingdom	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Uzbekistan	100	18 332	69	5 259	20	7 040	4 396	1 637	316	5 259	55	39	43	29	24	35	
<b>EUR</b>	<b>60</b>	<b>270 290</b>	<b>31</b>	<b>70 299</b>	<b>8</b>	<b>111 902</b>	<b>29 792</b>	<b>0</b>	<b>18 789</b>	<b>3 826</b>	<b>4 853</b>	<b>25 255</b>	<b>194</b>	<b>445 028</b>	<b>198 903</b>	<b>48</b>	<b>35</b>

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

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

	Collaborative TB/HIV activities											Management of MDR-TB, 2005								
	Laboratory services, 2005					2004					2005					Management of MDR-TB, 2005				
	number of smears	number of labs working with culture	number of labs working with NTP DST	number of labs included in EQA	TB pts tested for HIV	HIV-positive	TB pts	HIV+ TB pts CPT	HIV+ TB pts ART	TB pts tested for HIV	HIV-positive	TB pts	HIV+ TB pts CPT	HIV+ TB pts ART	Lab-confirmed MDR	DST in new cases	MDR in new cases	Re-treatment DST	Re-treatment MDR	
Albania	1	1	1	1	270	6	77	53	139	937	52	7	41	10	596	7	41	3	3	
Andorra	46	2	1	1	270	6	77	53	139	937	52	7	41	10	596	7	41	3	3	
Armenia	69	6	6	6	6 457	77	53	19	23	0	0	0	0	162	576	86	182	76	76	
Austria	165	155	25	6	6 457	77	53	19	23	0	0	0	0	13	557	11	14	2	2	
Azerbaijan	33	31	18	4	19	23	0	0	187	2	2	0	0	800	453	270	366	58	58	
Belarus	15	15	8	15	0	0	234	7	477	26	0	0	0	7	581	4	59	3	3	
Belgium	45	45	14	45	234	2	2	234	187	2	2	0	0	10	466	5	17	5	5	
Bosnia & Herzegovina	8	3	2	8	477	26	0	0	470	33	0	0	0	79	316	42	71	37	37	
Bulgaria	10	1	1	1	8	13	13	13	22	10	1	1	1	2	101	1	18	1	1	
Croatia	30	1	1	1	726	9	5	9	674	13	7	13	13	195	799	54	515	141	141	
Czech Republic	225	200	63	63	1 449	40	1 449	40	1 226	53	53	53	53	84	2 991	55	245	29	29	
Denmark	1	1	0	4	8	1	1	1	10	1	1	1	1	12	497	12	0	0	0	
Estonia	13	13	4	13	8	13	13	13	10	1	1	1	1	26	442	13	88	13	13	
Finland	1	1	0	4	8	1	1	1	10	1	1	1	1	0	0	7	0	1	0	
France	103	9	1	103	1 449	40	1 449	40	1 226	53	53	53	53	2	101	1	18	1	1	
Georgia	15	9	1	24	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Germany	1	1	0	4	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Greece	13	13	4	13	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Hungary	1	1	0	4	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Iceland	1	1	0	4	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Ireland	1	1	0	4	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Israel	1	1	0	4	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Italy	1	1	0	4	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Kazakhstan	103	9	1	103	1 449	40	1 449	40	1 226	53	53	53	53	84	2 991	55	245	29	29	
Kyrgyzstan	15	9	1	24	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Latvia	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Lithuania	1	1	1	1	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Luxembourg	1	1	1	1	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Malta	1	1	1	1	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Monaco	1	1	1	1	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Montenegro	1	1	1	1	8	1	1	1	10	1	1	1	1	2	101	1	18	1	1	
Netherlands	19	13	3	19	1 449	40	1 449	40	1 226	53	53	53	53	84	2 991	55	245	29	29	
Norway	104	72	72	104	1 449	40	1 449	40	1 226	53	53	53	53	84	2 991	55	245	29	29	
Poland	110	60	14	110	1 449	40	1 449	40	1 226	53	53	53	53	84	2 991	55	245	29	29	
Portugal	50	4	4	4	2 504	626	2 504	626	1 756	546	546	546	546	23	998	12	102	11	11	
Republic of Moldova	50	4	4	4	2 504	626	2 504	626	1 756	546	546	546	546	23	998	12	102	11	11	
Romania	166	110	65	42	1 710	5	1 710	5	10 791	30	30	30	30	338	536	68	652	270	270	
Russian Federation	4 953	4 953	4 953	4 953	1 710	5	1 710	5	10 791	30	30	30	30	338	536	68	652	270	270	
San Marino	68	45	10	10	700	0	700	0	720	1	0	0	0	8	248	4	56	4	4	
Serbia	14	14	6	0	700	0	700	0	720	1	0	0	0	8	248	4	56	4	4	
Slovakia	5	5	1	1	89	3	89	3	107	0	0	0	0	1	217	0	28	1	1	
Slovenia	5	5	1	1	89	3	89	3	107	0	0	0	0	1	217	0	28	1	1	
Spain	5	5	5	5	89	3	89	3	107	0	0	0	0	1	217	0	28	1	1	
Sweden	5	5	5	5	89	3	89	3	107	0	0	0	0	1	217	0	28	1	1	
Switzerland	45	28	28	45	0	0	0	0	0	0	0	0	0	4	326	2	43	2	2	
Tajikistan	46	0	0	0	0	0	0	0	0	0	0	0	0	4	326	2	43	2	2	
Tajikistan	11	7	1	0	10	0	10	0	42	2	0	2	2	4	106	0	19	4	4	
TF YR Macedonia	172	20	7	0	191	3 237	101	508	90	90	90	90	90	191	3 237	101	508	90	90	
Turkey	172	20	7	0	191	3 237	101	508	90	90	90	90	90	191	3 237	101	508	90	90	
Turkmenistan	315	3	9	26	31 579	138	31 579	138	35 801	147	0	0	0	26	3 379	23	112	3	3	
Ukraine	315	3	9	26	31 579	138	31 579	138	35 801	147	0	0	0	26	3 379	23	112	3	3	
United Kingdom	6 871	1 263	515	524	46 983	1 027	46 983	1 027	138 559	1 064	26	36	36	10 828	32 136	1 299	6 682	1 681	1 681	
Uzbekistan	6 871	1 263	515	524	46 983	1 027	46 983	1 027	138 559	1 064	26	36	36	10 828	32 136	1 299	6 682	1 681	1 681	
EUR	6 871	1 263	515	524	46 983	1 027	46 983	1 027	138 559	1 064	26	36	36	10 828	32 136	1 299	6 682	1 681	1 681	

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



Table A2.6 Re-treatment outcomes, Europe, 2004 cohort

	Relapse, DOTS										After failure, DOTS										After default, DOTS									
	% of cohort					%					% of cohort					%					% of cohort					%				
	Number regist'd	Compl- eted	Died	Failed	Trans- ferred	Not eval.	Success	Number regist'd	Compl- eted	Died	Failed	Trans- ferred	Not eval.	Success	Number regist'd	Compl- eted	Died	Failed	Trans- ferred	Not eval.	Success	Number regist'd	Compl- eted	Died	Failed	Trans- ferred	Not eval.	Success		
Albania	1	100	0	0	0	0	100															1	0	0	0	0	100	0		
Andorra																														
Armenia	102	29	22	4	15	25	6	51																						
Austria																														
Azerbaijan	799	35	22	7	9	8	2	57																						
Belarus																														
Belgium	97	88	4	3	1	2	0	92																						
<sup>1</sup> Bosnia & Herzegovina	102	54		11	15	21	0	54																						
Croatia	1	100	0	0	0	0	100																							
<sup>1</sup> Cyprus																														
Czech Republic																														
Denmark	32	38	6	9	0	19	28	44	5	0	0	0	60	40	0	0	0	0	0	0	0	14	21	0	7	29	43	21		
Estonia																														
Finland																														
France																														
Georgia	146	38	8	6	12	22	10	5	131	27	9	11	21	8	36							251	21	13	8	9	28	10	11	
Germany	90	37	26	11	1	2	23	62	6	33	0	17	17	33	33							14	50	29	7	0	14	79		
Greece																														
Hungary	94	29	16	20	16	4	2	13	45													1	0	0	0	0	100	0		
Iceland																														
Ireland	10	60	30				10	0	90													1								
Israel																														
Italy																														
Kazakhstan	3 126	55	1	12	14	5	3	10	56	1 188	29	1	8	16	6	2	38	30												
Kyrgyzstan	398	68	6	10	10	6	1	0	73																					
Latvia	133	44	2	14	3	6	32	46	1	100	0	0	0	0	0	0	100	0				26	38	0	0	0	62	38		
Lithuania																														
Luxembourg																														
Malta																														
Monaco																														
Montenegro																														
Netherlands	5	20	40	0	0	40	0	60																						
Norway																														
Poland																														
Portugal	114	12	61	9	1	6	2	10	73	2	0	0	0	0	0	100	0					34	12	44	9	0	6	29	56	
Republic of Moldova	766	37	4	16	17	14	9	2	41	410	25	8	13	26	10	14	4	33				261	18	12	14	16	31	4	5	
Romania	1 576	49	9	9	13	1	10	58	789	20	6	13	13	16	1	31	27					163	28	10	8	8	29	1	17	
Russian Federation	1 276	43	3	14	24	11	5	0	46																					
San Marino																														
<sup>1</sup> Serbia	84	54	21	8	4	13	0	0	75																					
Slovakia	21	90	0	5	0	5	0	90	2	100	0	0	0	0	100	0						2	100	0	0	0	0	0	100	
Slovenia	11	18	55	9	9	9	0	73	1	100	0	0	0	0	100	0						5	40	40	0	20	0	0	80	
Spain																														
Sweden																														
Switzerland																														
Tajikistan	45	64	0	16	11	9	0	0	64	5	40	20	20	0	0	20	60					7	57	0	14	14	0	14	57	
TFYR Macedonia	36	61	28	6	0	6	0	89	4	0	0	25	0	0	0	75	0					12	0	0	8	0	0	92	0	
<sup>1</sup> Turkey	30	70	10	7	3	7	3	0	80													8	50	38				13	88	
<sup>1</sup> Turkmenistan	51	49	10	8	16	18	0	59																						
Ukraine																														
United Kingdom	770	44	16	11	10	16	3	0	60	150	47	13	9	13	15	3	0	59				79	23	25	10	6	33	3	0	48
Uzbekistan																														
<b>EUR</b>	<b>9 916</b>	<b>46</b>	<b>7</b>	<b>11</b>	<b>13</b>	<b>9</b>	<b>4</b>	<b>9</b>	<b>53</b>	<b>2 675</b>	<b>27</b>	<b>5</b>	<b>11</b>	<b>16</b>	<b>11</b>	<b>4</b>	<b>27</b>	<b>32</b>				<b>1 228</b>	<b>21</b>	<b>16</b>	<b>9</b>	<b>10</b>	<b>28</b>	<b>10</b>	<b>7</b>	<b>37</b>

<sup>1</sup> Indicates that the outcomes belong to the lab-confirmed cases, i.e. smear and/or culture-positive. Not eval. indicates not evaluated (percentage of registered cases for which outcomes were not recorded); success, sum of cured and completed; cases regist'd, the denominator for calculating treatment outcomes. The number of cases registered for treatment in 2004 is used as the denominator for calculating treatment outcomes unless it is missing or is less than the sum of outcomes, in which case the sum of outcomes is used. Data can be downloaded from [www.wfpb.int/bd](http://www.wfpb.int/bd)







Table A2.10 Number of TB cases notified, Europe, 1980-2005

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Albania	1 050	964	978	891	975	916	989	915	759	695	663	628	24	15	707	641	738	655	684	733	604	555	594	543	547	506	
Andorra																											
Armenia	756	924	759	702	774	768	832	766	651	649	590	741	235	580	753	1 157	928	1 026	1 455	1 488	1 333	1 389	1 433	1 538	1 660	2 206	
Austria	2 191	2 061	1 942	1 825	1 765	1 442	1 377	1 390	1 402	1 334	1 521	1 426	1 354	1 267	1 264	1 481	1 290	1 394	1 302	1 085	1 185	1 013	1 044	946	895	928	
Azerbaijan	3 080	3 180	3 217	3 176	3 506	3 772	3 804	3 677	3 340	2 989	2 820	2 771	2 821	3 036	2 839	4 635	4 654	4 635	4 672	4 654	5 187	4 898	5 142	3 840	5 404	6 034	
Belarus	5 954	6 198	5 468	5 509	5 065	4 873	4 128	3 911	3 769	3 708	3 039	3 745	2 414	4 134	4 348	4 854	5 985	5 985	6 150	7 339	6 799	5 505	5 139	5 106	5 443	5 308	
Belgium	2 687	2 837	2 652	2 190	2 149	1 956	1 893	1 772	1 588	1 648	1 577	1 462	1 335	1 503	1 521	1 380	1 348	1 263	1 203	1 124	1 278	1 301	1 211	1 030	1 128	1 076	
Bosnia & Herzegovina	4 421	4 376	4 678	4 468	4 681	4 686	4 605	4 522	4 093	4 176	4 073	3 546	600	680	595	2 132	2 220	2 869	2 711	2 923	2 478	2 469	1 691	1 740	2 353	2 111	
Bulgaria	3 280	3 007	2 999	2 892	2 955	2 550	2 352	2 387	2 301	2 286	2 806	2 806	3 096	3 213	5 296	3 245	3 109	3 437	4 117	3 550	3 349	3 862	3 355	3 069	3 225	3 225	
Croatia	3 999	4 021	3 718	3 632	3 612	3 605	3 326	2 973	2 881	2 576	2 158	2 158	2 189	2 279	2 217	2 114	2 174	2 054	2 118	1 785	1 630	1 376	1 443	1 356	1 170	1 050	
Cyprus	69	69	86	36	61	48	35	39	23	23	29	43	39	37	37	36	24	47	45	39	33	40	20	35	30	34	
Czech Republic	4 962	4 312	4 146	4 016	3 653	3 117	2 553	2 196	2 047	1 905	1 937	2 079	1 986	1 864	1 960	1 834	1 969	1 834	1 805	1 605	1 414	1 291	1 156	1 101	1 027	973	
Denmark	430	394	378	348	302	312	299	322	304	328	350	334	359	411	495	448	484	554	529	587	587	494	403	378	356	395	
Estonia	614	560	563	587	546	541	522	446	471	422	423	406	403	532	623	624	683	744	820	754	791	708	620	557	537	479	
Finland	2 247	2 204	2 170	1 882	1 791	1 819	1 546	1 419	1 078	970	772	771	700	542	553	661	645	573	629	565	527	460	449	392	319	339	
France	17 199	16 459	15 425	13 831	12 302	11 290	10 535	10 241	9 191	9 027	9 030	8 510	8 605	9 551	9 093	8 723	7 666	6 532	5 981	6 052	6 122	5 814	5 709	5 740	5 004	4 887	
Georgia	2 098	2 124	2 168	1 881	1 855	1 822	1 833	1 810	1 598	1 609	1 537	2 130	3 741	1 625	3 522	8 446	6 322	8 446	6 302	4 793	4 397	4 006	4 490	4 212	4 011	4 501	
Germany	29 991	27 083	25 397	22 977	20 243	20 074	17 906	17 102	16 282	15 385	14 653	13 474	14 113	14 161	12 982	12 198	11 814	11 163	10 440	9 974	9 064	6 959	6 931	6 526	6 007	5 539	
Greece	5 412	7 334	5 193	3 880	1 956	1 556	1 566	1 193	907	1 068	877	762	920	762	920	939	945	767	1 152	936	703	503	570	571	668	626	
Hungary	5 412	5 322	5 181	5 028	4 472	4 852	4 522	4 125	4 016	3 769	3 588	3 658	3 960	4 209	4 163	4 339	4 403	4 240	3 989	3 532	3 073	2 923	2 720	2 507	2 251	1 808	
Iceland	25	23	25	24	26	13	13	12	16	18	18	15	16	16	18	12	11	10	10	10	10	12	8	5	5	11	
Ireland	1 152	1 018	975	924	837	804	602	581	534	672	624	640	604	588	544	458	434	416	424	455	386	393	375	354	380	387	
Israel	249	227	232	222	257	368	239	184	226	160	234	505	345	419	395	369	422	656	490	557	546	485	485	505	497	402	
Italy	3 311	3 182	3 850	4 253	3 472	4 113	4 077	3 278	3 610	3 996	4 246	3 719	4 685	4 734	6 816	5 627	4 155	4 596	5 727	4 429	3 501	4 287	3 925	4 234	3 968	3 828	
Kazakhstan	14 442	13 876	13 808	13 357	12 563	12 423	13 090	13 286	13 501	13 307	10 969	10 821	10 920	10 425	10 519	11 310	13 944	16 109	20 623	24 979	25 843	26 224	27 546	26 936	26 493	25 739	
Kyrgyzstan	1 973	2 085	2 051	1 981	2 022	2 094	2 122	2 068	2 159	2 132	2 306	2 515	2 582	2 427	2 726	3 393	4 093	5 189	5 706	6 376	6 205	6 654	6 613	6 172	6 104	6 329	
Latvia	1 194	1 140	1 077	1 072	1 054	1 223	982	948	938	857	906	943	855	994	1 131	1 541	1 761	2 003	2 182	1 891	1 982	2 000	1 803	1 686	1 579	1 409	
Lithuania	1 636	1 599	1 495	1 477	1 420	1 453	1 412	1 372	1 339	1 471	1 556	1 598	1 598	1 895	1 835	2 362	2 608	2 926	3 016	2 800	2 657	2 598	2 414	2 886	2 036	2 114	
Luxembourg	71	45	41	41	46	42	45	48	16	45	48	48	25	35	33	32	41	38	44	37	44	31	31	54	31	37	
Malta	24	26	13	24	15	11	14	14	12	16	13	26	30	26	25	21	11	28	11	16	22	16	24	6	18	21	
Monaco	1	0	0	0	1	2	2	2	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	
Montenegro																											
Netherlands	1 701	1 734	1 514	1 423	1 400	1 362	1 238	1 227	1 341	1 317	1 369	1 345	1 465	1 587	1 811	1 619	1 678	1 486	1 341	1 398	1 244	1 408	1 355	1 282	1 316	1 127	
Norway	489	461	448	396	373	374	343	307	294	255	285	290	288	256	242	236	217	205	244	213	221	276	243	320	278	289	
Poland	25 807	24 087	23 685	23 411	22 527	21 650	20 603	19 757	18 537	16 185	16 136	16 496	16 551	16 828	16 653	15 968	15 388	13 967	13 302	12 168	10 931	10 153	10 069	9 677	8 698	8 203	
Portugal	6 873	7 249	7 309	7 052	6 908	6 889	6 624	7 099	6 363	6 664	6 214	5 980	5 927	5 447	5 619	5 577	5 248	5 110	5 260	4 599	4 227	4 320	4 381	3 861	3 600	3 303	
Republic of Moldova	2 781	2 852	3 197	2 858	2 554	2 732	3 022	2 810	2 281	1 910	1 835	2 426	2 626	2 925	2 925	2 925	2 922	2 908	2 625	2 711	2 935	3 008	3 769	3 619	4 806	5 141	
Romania	13 553	13 602	13 588	13 570	12 952	12 677	12 860	13 361	14 137	14 676	16 256	15 482	18 097	20 349	21 422	23 271	24 189	23 903	25 758	26 107	27 470	28 580	29 752	28 335	28 570	26 104	
Russian Federation	74 270	73 369	72 236	73 280	74 597	64 644	71 764	70 132	67 553	62 987	50 641	50 407	53 148	63 591	70 822	84 980	111 075	119 123	110 935	134 360	140 677	132 477	128 873	124 041	121 426	127 930	
San Marino																											
Serbia	6 232	6 381	6 274	6 443	6 454	6 246	6 126	6 042	5 583	5 045	4 194	4 502	3 771	3 843	3 606	2 798	4 107	4 062	3 028	2 646	2 864	4 556	4 322	3 895	3 600	3 208	
Slovakia	2 465	2 304	2 263	2 252	2 152	1 989	2 022	1 830	1 651	1 501	1 448	1 620	1 733	1 799	1 760	1 540	1 503	1 298	1 282	1 100	1 010	986	975	904	664	710	
Slovenia	1 085	939	982	925	896	923	816	792	760	768	722	583	640	646	526	525	563	481	449	423	368	359	338	275	249	289	
Spain	4 853	5 552	7 961	8 987	10 078	10 749	13 755	9 468	8 497	8 058	7 600	9 007	9 703	9 441	8 764	8 331	9 347	9 347	8 927	8 393	7 993	6 851	7 283	7 343	6 015	7 281	
Sweden	926	875	784	832	754	702	640	545	536	595	557	521	610	616	537	564	497	456	446	479	417	394	375	386	416	539	
Switzerland	1 160	1 193	1 167	1 097	946	961	881	1 018	1 201	1 104	1 278	1 134	987	930	924	830	765	747	750	756	544	539	591	554	528	508	
Tajikistan	2 647	2 631	2 628	2 509	2 427	2 485	2 610	2 727	2 474	2 621	2 460	2 116	1 671	652	892	2 029	1 647	2 143	2 448	2 553	2 779	3 508	4 052	4 260	4 529	5 460	
TF-YR Macedonia																											
Turkey	36 716	39 992	26 457	28 634	27 589	30 960	31 029	30 531	27 884	26 669	24 468	25 166	25 455	22 981	20 212	25 685	25 501	22 088	18 038	17 263	18 043	17 923	18 043	17 543	17 543	19 744	
Turkmenistan	1 677	1 625	1 559	1 541	1 604	1 607	1 614	1 956	1 904	2 169	2 325																

Table A2.11 Case notification rates, Europe, 1980–2005

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	
Albania	39	35	35	31	34	31	33	29	24	21	20	19	19	17	22	20	24	21	23	24	20	18	19	18	18	16	
Andorra	24	29	24	22	24	23	24	22	19	18	17	21	44	37	25	38	26	29	12	15	18	15	8	15	10	15	
Armenia	29	27	26	24	23	19	18	18	18	17	20	18	17	16	16	16	16	17	16	13	15	12	13	12	11	11	
Austria	50	51	51	49	53	57	56	53	48	42	36	38	40	37	21	31	58	58	64	60	62	60	62	46	65	72	
Azerbaijan	62	64	56	56	51	49	41	39	37	36	30	36	23	40	42	47	55	59	61	73	68	55	52	52	55	54	
Belarus	27	29	27	22	22	20	19	18	16	17	16	15	13	15	15	14	13	12	11	12	11	12	13	12	10	11	
Bosnia & Herzegovina	113	111	117	111	115	113	110	106	94	96	95	85	15	18	45	62	65	82	75	78	64	63	43	44	60	54	
Bulgaria	37	34	34	32	32	29	28	26	27	26	26	26	30	36	63	39	38	42	41	44	42	49	42	39	39	42	
Croatia	91	91	84	82	81	81	75	74	66	64	57	47	48	49	48	45	47	44	46	39	36	31	32	30	26	23	
Cyprus	11	11	14	12	6	9	7	5	6	3	4	6	6	5	5	5	3	6	6	6	4	5	2	4	4	4	
Czech Republic	48	42	40	39	35	30	25	21	20	18	19	18	19	18	19	18	19	18	18	16	14	13	11	11	10	10	
Denmark	8	8	7	7	6	6	6	6	6	6	7	6	7	8	10	9	9	11	10	11	11	9	7	7	7	7	
Estonia	42	38	38	39	36	35	34	29	30	27	27	26	26	35	42	43	48	53	59	55	58	52	46	42	40	36	
Finland	47	46	45	39	37	37	31	29	22	20	15	15	14	11	11	13	13	11	12	11	10	9	9	8	6	6	
France	32	30	28	25	22	20	19	18	16	16	16	15	15	15	13	12	10	10	10	10	10	10	10	10	8	8	
Georgia	41	42	42	36	35	34	34	34	29	29	28	40	72	32	71	173	131	100	93	86	97	92	89	101	101	101	
Germany	38	35	33	30	26	23	22	21	19	18	17	18	18	16	15	14	14	13	12	11	8	8	8	8	7	7	
Greece	56	75	53	39	20	16	16	12	9	11	9	7	9	9	9	9	9	7	11	9	6	5	5	5	6	6	
Hungary	51	50	48	47	42	46	43	39	38	36	35	35	38	41	40	42	43	41	39	34	30	29	27	25	22	18	
Iceland	11	10	11	10	11	5	5	5	6	7	7	6	6	4	4	4	4	4	6	4	5	4	3	2	4	3	
Ireland	34	30	28	26	24	23	17	16	15	19	18	18	17	17	15	13	12	11	11	12	10	10	10	9	9	9	
Israel	7	6	6	6	6	6	6	4	5	4	5	11	7	8	8	10	7	7	7	8	9	9	8	8	8	6	
Italy	6	6	6	8	6	7	7	6	6	7	7	7	8	8	10	10	7	8	10	8	6	7	7	7	7	7	
Kazakhstan	97	92	91	87	81	79	82	82	83	81	66	66	67	64	66	71	89	104	135	165	172	176	185	181	179	174	
Kyrgyzstan	54	56	54	51	51	52	52	50	51	49	52	57	58	54	60	74	88	110	119	131	125	133	130	120	117	120	
Latvia	48	45	43	42	41	47	38	36	35	32	33	35	36	38	44	62	72	82	91	79	84	85	77	72	68	61	
Lithuania	48	47	43	42	40	41	39	38	37	38	40	42	43	52	58	65	72	82	85	79	76	75	70	75	59	62	
Luxembourg	20	12	11	11	11	13	4	12	13	13	12	13	6	9	8	8	10	9	10	9	10	7	7	12	7	8	
Malta	7	8	4	7	4	3	4	4	3	4	4	4	7	8	7	3	7	3	4	6	4	4	6	2	5	5	
Monaco	4	0	0	0	4	7	7	7	3	3	3	0	3	0	3	3	0	0	0	0	0	0	0	0	0	0	0
Montenegro	12	12	11	10	10	10	8	8	8	9	9	9	10	10	10	12	10	11	10	9	8	9	8	8	8	8	
Netherlands	12	11	11	10	9	9	8	7	7	6	7	7	7	6	6	5	5	5	5	5	5	6	5	5	6	6	
Norway	73	67	65	64	61	58	55	52	49	43	42	43	43	44	43	41	40	36	34	31	28	26	26	25	23	21	
Poland	70	74	74	71	69	69	66	71	64	67	62	60	59	55	56	56	52	51	52	45	41	42	42	42	37	34	31
Portugal	69	70	78	69	61	65	71	66	58	52	40	44	42	56	60	67	68	67	61	63	69	85	89	86	114	122	
Republic of Moldova	61	61	61	60	57	56	56	58	61	63	70	67	78	89	94	103	107	107	115	118	124	130	136	130	131	120	
Romania	54	53	51	52	52	45	50	48	46	43	34	34	34	36	43	48	57	75	81	75	91	96	91	89	86	84	
Russian Federation	65	66	65	66	66	63	62	61	56	50	41	44	44	37	34	27	38	38	29	25	27	43	40	37	34	34	
San Marino	50	46	45	44	42	39	39	35	32	29	28	31	33	34	33	29	28	24	24	20	19	18	18	17	12	13	
Slovakia	59	51	53	50	48	49	43	42	40	40	37	30	33	33	27	27	29	24	23	22	19	18	17	14	13	14	
Slovenia	13	15	21	24	26	28	36	24	22	21	19	23	25	24	22	21	23	21	23	22	21	20	17	18	17	14	
Spain	11	11	9	10	9	8	8	6	6	7	7	7	7	7	6	6	6	6	5	5	5	4	4	4	4	5	6
Sweden	18	19	18	17	15	15	13	15	18	16	19	16	14	13	13	12	11	11	11	11	8	7	8	8	7	7	
Switzerland	67	65	63	58	55	54	55	56	49	51	46	39	30	12	16	35	28	36	41	42	45	96	64	67	70	84	
Tajikistan	79	84	54	57	54	59	58	56	50	47	43	43	43	83	88	37	40	37	35	31	28	32	34	32	32	29	
TFYR Macedonia	59	55	52	50	51	50	49	58	55	61	63	63	69	63	69	46	49	79	87	92	90	86	79	80	71	66	
Turkey	52	51	49	48	48	47	45	43	40	39	32	32	35	38	40	42	46	56	55	66	67	76	84	78	82	85	
Turkmenistan	19	17	15	14	13	12	12	10	10	11	10	11	11	11	11	11	11	11	11	11	11	10	11	10	12	14	
Ukraine	57	59	52	51	48	48	51	51	52	53	46	44	44	44	66	43	51	56	61	62	64	69	81	80	77	81	
United Kingdom	44	43	40	39	38	36	35	33	33	32	29	27	29	28	28	34	37	41	40	43	43	42	43	41	40	41	
Uzbekistan	44	43	40	39	38	36	35	33	33	32	29	27	29	28	28	34	37	41	40	43	43	42	43	41	40	41	

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

Table A2.12 New smear-positive cases notified, numbers and rates, Europe, 1993–2005

	Number of cases																	Rate (per 100 000 population)																
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005								
Albania																																		
Andorra	15	24	8	17	1	4	1	4	1	3	2	7	3	5	25	38	12	26	2	5	6	6	7	7	6	6								
Armenia	319	436	327	400	475	576	621	572	511	575	602	581	234	499	513	669	900	727	763	800	927	1 661	1 161	1 472	1 561	1 919								
Austria	467	442	434	381	323	324	262	220	269	216	234	234	484	1 493	1 775	1 845	2 117	2 273	2 047	2 547	2 341	1 018	1 109	1 235	1 335	1 313								
Azerbaijan	484	427	400	364	434	418	403	409	472	419	362	391	380	484	427	400	364	434	418	403	409	472	419	362	391	380								
Belarus	1 483	1 775	1 845	2 117	2 273	2 047	2 547	2 341	1 018	1 109	1 235	1 335	1 313	1 493	1 775	1 845	2 117	2 273	2 047	2 547	2 341	1 018	1 109	1 235	1 335	1 313								
Belgium	484	427	400	364	434	418	403	409	472	419	362	391	380	484	427	400	364	434	418	403	409	472	419	362	391	380								
Bosnia & Herzegovina	865	927	640	786	759	800	526	493	889	889	640	840	840	865	927	640	786	759	800	526	493	889	889	640	840	840								
Bulgaria	3 096	1 087	903	1 037	1 325	1 697	2 524	897	1 007	1 254	1 315	1 214	1 214	3 096	1 087	903	1 037	1 325	1 697	2 524	897	1 007	1 254	1 315	1 214									
Croatia	1 204	1 228	1 073	1 129	748	0	421	437	438	416	372	372	372	1 204	1 228	1 073	1 129	748	0	421	437	438	416	372	372	372								
Cyprus	6	3	19	20	9	4	0	8	14	10	9	9	9	6	3	1	0	3	3	3	1	1	1	1	1	1								
Czech Republic	548	524	487	586	481	545	449	420	391	329	338	302	308	548	524	487	586	481	545	449	420	391	329	338	302	308								
Denmark	243	128	97	114	132	172	171	172	135	143	146	129	129	243	128	97	114	132	172	171	172	135	143	146	129	129								
Estonia	303	347	240	269	299	274	255	212	203	201	203	162	162	303	347	240	269	299	274	255	212	203	201	203	162	162								
Finland	244	244	240	186	188	179	205	150	130	138	124	130	130	244	244	240	186	188	179	205	150	130	138	124	130	130								
France	4 465	3 196	3 449	3 002	2 430	2 325	1 815	2 398	2 276	2 219	1 923	1 941	1 941	4 465	3 196	3 449	3 002	2 430	2 325	1 815	2 398	2 276	2 219	1 923	1 941	1 941								
Georgia	221	482	595	547	746	601	1 014	987	989	1 311	1 509	1 509	1 509	221	482	595	547	746	601	1 014	987	989	1 311	1 509	1 509	1 509								
Germany	4 730	4 177	3 852	3 689	3 346	3 124	2 918	0	1 935	1 868	1 679	1 582	1 379	4 730	4 177	3 852	3 689	3 346	3 124	2 918	0	1 935	1 868	1 679	1 582	1 379								
Greece	1 905	1 357	796	1 066	702	667	660	412	546	556	526	560	423	1 905	1 357	796	1 066	702	667	660	412	546	556	526	560	423								
Hungary	6	2	1	4	2	2	1	3	2	1	2	2	2	6	2	1	0	1	1	1	1	1	1	1	1	1								
Iceland																																		
Ireland	150	129	147	207	221	170	172	164	150	91	98	98	98	150	129	147	207	221	170	172	164	150	91	98	98	98								
Israel	1 441	1 413	1 738	1 903	2 361	1 277	687	1 361	1 275	1 481	1 068	1 275	1 275	1 441	1 413	1 738	1 903	2 361	1 277	687	1 361	1 275	1 481	1 068	1 275	1 275								
Italy	3 022	4 280	4 332	6 180	6 977	8 903	9 079	9 452	8 665	7 927	6 911	6 911	6 911	3 022	4 280	4 332	6 180	6 977	8 903	9 079	9 452	8 665	7 927	6 911	6 911	6 911								
Kazakhstan	681	832	991	1 536	830	1 642	1 296	0	1 587	1 643	1 761	1 972	1 972	681	832	991	1 536	830	1 642	1 296	0	1 587	1 643	1 761	1 972	1 972								
Kyrgyzstan	504	504	575	668	588	637	661	636	641	582	536	536	536	504	504	575	668	588	637	661	636	641	582	536	536	536								
Latvia	688	979	1 121	1 200	787	787	776	935	822	912	863	964	964	688	979	1 121	1 200	787	787	776	935	822	912	863	964	964								
Lithuania	13	6	5	5	3	6	9	5	3	5	2	5	5	13	6	5	5	3	6	9	5	3	5	2	5	5								
Luxembourg																																		
Malta																																		
Malta																																		
Monaco																																		
Montenegro																																		
Netherlands	1 063	575	358	312	254	308	289	307	330	282	360	237	64	1 063	575	358	312	254	308	289	307	330	282	360	237	64								
Norway	86	62	103	100	49	21	37	59	31	52	50	48	48	86	62	103	100	49	21	37	59	31	52	50	48	48								
Poland	7 606	4 000	6 955	6 819	3 497	3 502	3 177	3 180	3 155	3 060	2 983	2 777	2 823	7 606	4 000	6 955	6 819	3 497	3 502	3 177	3 180	3 155	3 060	2 983	2 777	2 823								
Portugal	2 072	2 019	1 938	1 628	2 016	1 801	1 863	2 042	1 976	1 742	1 514	1 302	1 302	2 072	2 019	1 938	1 628	2 016	1 801	1 863	2 042	1 976	1 742	1 514	1 302	1 302								
Republic of Moldova	615	704	665	219	397	477	609	651	1 060	1 146	1 214	1 536	1 686	615	704	665	219	397	477	609	651	1 060	1 146	1 214	1 536	1 686								
Romania	9 339	10 385	10 469	11 666	10 841	10 317	10 202	11 884	10 703	10 418	10 888	10 801	10 801	9 339	10 385	10 469	11 666	10 841	10 317	10 202	11 884	10 703	10 418	10 888	10 801	10 801								
Russian Federation	30 389	37 512	42 534	42 534	42 219	21 744	27 467	26 605	27 865	28 868	30 890	32 605	32 605	30 389	37 512	42 534	42 534	42 219	21 744	27 467	26 605	27 865	28 868	30 890	32 605	32 605								
San Marino																																		
Serbia	1 497	1 783	1 702	1 873	2 517	0	461	402	611	1 244	1 105	1 105	1 105	1 497	1 783	1 702	1 873	2 517	0	461	402	611	1 244	1 105	1 105	1 105								
Slovakia	882	409	768	760	283	303	246	236	226	202	200	157	162	882	409	768	760	283	303	246	236	226	200	157	162	162								
Slovenia	361	294	303	221	156	157	165	145	139	130	116	89	109	361	294	303	221	156	157	165	145	139	130	116	89	109								
Spain	312	106	102	90	94	97	117	118	105	109	109	120	134	312	106	102	90	94	97	117	118	105	109	109	120	134								
Sweden	528	507	185	172	144	165	98	118	116	123	107	119	108	528	507	185	172	144	165	98	118	116	123	107	119	108								
Switzerland	1 042	232	373	435	0	434	719	687	0	1 068	1 745	1 745	1 745	1 042	232	373	435	0	434	719	687	0	1 068	1 745	1 745	1 745								
Tajikistan	319	209	192	179	122	167	164	200	200	200	178	178	178	319	209	192	179	122	167	164	200	200	200	178	178	178								
TFYR Macedonia	4 383	2 818	3 439	3 692	4 124	4 315	4 444	0	5 816	5 870	7 450	7 450	7 450	4 383	2 818	3 439	3 692	4 124	4 315	4 444	0	5 816	5 870	7 450	7 450	7 450								
Turkey	472	544	557	764	790	964	1 017	1 243	1 254	1 197	1 103	995	995	472	544	557	764	790	964	1 017	1 243	1 254	1 197	1 103	995	995								
Turkmenistan	8 314	8 471	8 263	7 827	9 533	10 586	10 412	10 738	0	12 785	0	0	0	8 314	8 471	8 263	7 827	9 533	10 586	10 412	10 738	0	12 785	0	0	0								
Ukraine	283	270	4 477	844	1 342	1 342	1 342	946	1 365	1 455	1 693	1 821	1 821	283	270	4 477	844	1 342	1 342	1 342	946	1 365	1 455	1 693	1 821	1 821								
United Kingdom	7 487	7 235	3 350	3 368	3 504	3 977	3 825	4 608	4 783	4 680	5 119	5 695	5 695	7 487	7 235	3 350	3 368	3 504	3 977	3 825	4 608	4 783	4 680	5 119	5 695	5 695								
Uzbekistan																																		
EUR	45 771	83 568	104 444	110 614	106 700	111 772	89 199	94 275	86 239	83 455	101 657	92 233	96 101	45 771	83 568	104 444	110 614	106 700	111 772	89 199	94 275	86 239	83 455	101 657	92 233	96 101								

# Notes

## Armenia

The data on MDR-TB are from a MSF pilot project which started in September 2005, and which will be expanded nationally by 2008.

## Denmark

Data for Denmark exclude Greenland. A total of 99 TB cases were notified in Greenland for 2005 (174 per 100 000 population). No MDR-TB cases were identified.

## Georgia

The data on MDR-TB are from a nationwide drug resistance survey carried out between July 2005 and June 2006.

## Montenegro

An estimate of population size was not available from the UN Population Division; an estimate was provided by the country.

## Romania

The number of TB patients tested for HIV and found to be HIV-positive in 2004 were reported only from the last two months of 2004.

## Russian Federation

Of 298 505 prevalent TB cases in 2005, 218 481 were tested for HIV and 3533 were found to be HIV-positive.

## Serbia

An estimate of population was not available from the United Nations Population Division; an estimate was provided by the country. In tables A2.7, A2.10, A2.11 and A2.12, reported notifications and case detection rates for the years prior to 2005, and treatment outcomes for years prior to 2004, are for Serbia and Montenegro.

## Spain

In 2005, 39% of TB cases were tested for HIV, and 4% of those tested were HIV-positive.

## Ukraine

The NTP reports nationwide DOTS implementation. However, data were received only from oblasts representing 29% of the population.