

3. TABLES

Table 1. Tuberculosis cases and rates per 100 000 population, WHO European Region, 1996-2003

Geographic area Country	1996		1997		1998		1999	
	N	Rate	N	Rate	N	Rate	N	Rate
EU & West								
Austria	1 489	18.4	1 398	17.3	1 306	16.1	1 245	15.4
Belgium	1 352	13.3	1 263	12.4	1 203	11.8	1 270	12.4
Cyprus	24	3.2	47	6.2	45	5.8	39	5.0
Czech Republic	1 936	18.8	1 834	17.8	1 805	17.5	1 631	15.9
Denmark	484	9.2	554	10.5	529	10.0	536	10.1
Estonia	683	48.0	744	52.9	818	58.7	754	54.6
Finland	644	12.6	573	11.1	629	12.2	566	11.0
France	7 656	12.8	6 832	11.3	6 651	11.0	6 674	11.0
Germany	11 814	14.4	11 163	13.6	10 440	12.7	9 974	12.1
Greece	945 *	9.0	767 *	7.2	1 152	10.7	952	8.8
Hungary	4 278	42.0	4 240	41.8	3 999	39.6	3 914	38.9
Ireland	434	11.9	416	11.3	424	11.4	469	12.4
Italy	5 152	9.0	5 176	9.0	4 795	8.3	4 429	7.7
Latvia	1 761	71.5	2 003	82.3	2 182	90.4	1 968	82.2
Lithuania	2 608	73.7	2 926	83.0	3 016	85.7	2 903	82.7
Luxembourg	36	8.8	38	9.1	44	10.4	42	9.8
Malta	29	7.6	11	2.9	16	4.2	22	5.7
Netherlands	1 678	10.8	1 486	9.5	1 341	8.5	1 535	9.7
Poland	15 358	39.7	13 967	36.1	13 302	34.4	12 179	31.5
Portugal	5 248	52.8	5 112	51.4	5 260	52.7	5 160	51.6
Slovakia	1 499	27.9	1 298	24.1	1 282	23.8	1 218	22.6
Slovenia	563	28.2	481	24.1	449	22.5	438	22.0
Spain †	8 331	20.8	9 347	23.2	9 111	22.5	8 393	20.7
Sweden	493	5.6	456	5.1	446	5.0	493	5.6
United Kingdom	6 240	10.8	6 355	10.9	6 176	10.6	6 287	10.7
Subtotal EU	80 735	17.9	78 487	17.4	76 421	16.9	73 091	16.1
Andorra	17	26.2	19	29.1	8	12.2	9	13.7
Iceland	11	4.1	10	3.7	17	6.1	12	4.3
Israel	415	7.5	422	7.5	656	11.3	520	8.8
Monaco	0	0.0	0	0.0	0	0.0	3	9.1
Norway	217	5.0	205	4.7	244	5.5	273	6.1
San Marino	0	0.0	1	3.9	0	0.0	0	0.0
Switzerland	764	10.7	747	10.4	749	10.4	772	10.8
Total EU & West	82 159	17.6	79 891	17.0	78 095	16.6	74 680	15.9
Centre								
Albania	707	22.4	655	20.9	694	22.2	765	24.6
Bosnia & Herzegovina	2 220	64.8	2 869	81.4	3 071	83.4	3 075	80.0
Bulgaria	3 109	37.3	3 437 ‡	41.5	4 117	50.1	3 530	43.2
Croatia	2 174	49.2	2 054	46.6	2 118	47.9	1 770	39.9
Macedonia, F.Y.R.	724	36.7	693	34.9	620	31.0	576	28.6
Romania	24 113	106.7	23 903	105.9	25 758	114.3	26 870	119.4
Serbia & Montenegro	4 541 §	42.9	4 062 §	38.4	3 028	28.6	2 646	25.0
Turkey	23 533	36.7	25 685	39.4	25 501	38.5	22 088	32.8
Total Centre	61 121	51.5	63 358	52.9	64 907	53.7	61 320	50.3
East								
Armenia	935	28.6	1 026	31.8	1 455	45.7	1 499	47.7
Azerbaijan	5 006	63.5	4 635 ‡	58.2	4 350	54.2	4 629	57.2
Belarus	5 619	55.0	5 985	58.8	5 595	55.2	7 339	72.8
Georgia	10 641	199.5	8 446	158.8	6 302	118.7	6 546	123.8
Kazakhstan	13 559 *	82.7	16 109	99.5	20 623	129.0	25 060	158.7
Kyrgyzstan	4 086	88.5	5 189	110.7	5 935	124.6	6 501	134.2
Moldova, Republic of	2 922	67.5	2 908	67.4	2 891	67.2	2 947	68.7
Russian Federation	110 897	75.0	119 123	80.8	121 917	83.0	135 054	92.3
Tajikistan	1 647	28.3	2 143	36.4	2 503	42.0	2 553	42.4
Turkmenistan	2 149	49.9	3 438	78.2	3 712 *	82.8	4 092	89.6
Ukraine	26 834	52.4	28 344	55.7	31 318	62.0	32 879	65.6
Uzbekistan	11 919	51.3	13 352	56.4	13 958	58.0	16 959	69.2
Total East	196 214	69.0	210 698	74.2	220 559	77.8	246 058	86.9
Total WHO European Region	339 494	39.0	353 947	40.6	363 561	41.6	382 058	43.6

* New cases only

† 1996 new respiratory cases only; since 1997 new and recurrent respiratory and meningeal cases

‡ Source: World Health Organization. Global Tuberculosis Control. WHO Report 2005, WHO/HTM/TB/2005.349

§ Including Kosovo as part of former Yugoslavia

|| Excluding Abkhazia and Southern Ossetia

TABLES

Table 1 (cont). Tuberculosis cases and rates per 100 000 population, WHO European Region, 1996-2003

2000		2001		2002		2003		Geographic area Country
N	Rate	N	Rate	N	Rate	N	Rate	
EU & West								
1 225	15.1	1 075	13.3	1 076	13.3	980	12.1	Austria
1 313	12.8	1 321	12.9	1 294	12.6	1 128	10.9	Belgium
33	4.2	40	5.1	20	2.5	35	4.4	Cyprus
1 442	14.0	1 350	13.2	1 185	11.6	1 153	11.3	Czech Republic
548	10.3	511	9.6	419	7.8	391	7.3	Denmark
791	57.9	812	60.0	713	53.3	623	47.1	Estonia
537	10.4	494	9.5	473	9.1	414	8.0	Finland
6 714	11.0	6 465	10.5	6 322	10.3	6 098	9.8	France
9 064	11.0	7 539 *	9.2 *	7 701	9.3	7 184	8.7	Germany
703	6.4	617	5.6	582	5.3	620	5.6	Greece
3 598	35.9	3 150	31.6	2 838	28.6	2 745	27.8	Hungary
403	10.6	406	10.5	408	10.4	421	10.6	Ireland
4 759	8.3	4 505	7.8	4 212	7.3	4 518	7.9	Italy
2 063	87.0	2 082	88.6	1 855	79.6	1 726	74.8	Latvia
2 981	85.2	2 989	85.8	2 844	82.1	2 821	81.9	Lithuania
44	10.1	32	7.3	32	7.2	54	11.9	Luxembourg
18	4.6	16	4.1	24	6.1	7	1.8	Malta
1 404	8.8	1 436	9.0	1 401	8.7	1 321	8.2	Netherlands
11 477	29.7	10 672	27.6	10 475	27.1	10 124	26.2	Poland
4 494	44.9	4 399	43.8	4 501	44.8	4 131	41.1	Portugal
1 111	20.6	1 076	19.9	1 053	19.5	983	18.2	Slovakia
380	19.1	371	18.7	350	17.6	293	14.8	Slovenia
8 395	20.6	7 453	18.2	7 626	18.6	7 467	18.2	Spain †
458	5.2	428	4.8	407	4.6	410	4.6	Sweden
6 792	11.5	7 017	11.9	7 263	12.3	7 278	12.3	United Kingdom
70 747	15.6	66 256	14.6	65 074	14.3	62 925	13.8	Subtotal EU
11	16.7	5	6.2	5	6.0	11	12.6	Andorra
13	4.6	13	4.6	8	2.8	5	1.7	Iceland
591	9.8	564	9.1	511	8.1	529	8.2	Israel
0	0.0	0	0.0	0	0.0	1	2.9	Monaco
237	5.3	288	6.4	251	5.6	339	7.5	Norway
1	3.8	0	0.0	1	3.7	1	3.7	San Marino
629	8.8	611	8.5	658	9.2	623	8.7	Switzerland
72 229	15.3	67 737	14.3	66 508	14.0	64 434	13.6	Total EU & West
Centre								
631	20.3	572	18.3	612	19.5	561	17.7	Albania
2 606	65.5	2 551	62.7	2 551	61.8	1 780 ‡	-	Bosnia & Herzegovina
3 349	41.4	3 862	48.1	3 335	41.9	3 263	41.3	Bulgaria
1 630	36.7	1 505	33.9	1 470	33.1	1 494	33.7	Croatia
668	33.0	697	34.3	730	35.7	697	33.9	Macedonia, F.Y.R.
27 667	123.1	30 440	135.7	33 595	150.1	31 623	141.6	Romania
2 922	27.7	2 888	27.4	3 033	28.8	2 949	28.0	Serbia & Montenegro
18 038	26.4	18 890	27.3	19 028	27.1	18 590	26.1	Turkey
57 511	46.8	61 405	49.5	64 354	51.5	60 957	48.6	Total Centre
East								
1 344	43.2	1 401	45.4	1 455	47.4	1 570	51.3	Armenia
5 187	63.6	4 923	59.8	5 348	64.5	3 931	47.0	Azerbaijan
6 084 §	60.6	5 505 §	55.1	5 139	51.7	5 963	60.3	Belarus
6 436	122.3	5 876	112.5	6 345	122.6	5 993	116.9	Georgia
28 265	180.7	31 254	201.2	32 936	212.9	32 169	208.4	Kazakhstan
6 383	129.7	6 901	138.2	6 794	134.1	7 025	136.7	Kyrgyzstan
2 935	68.5	3 820	89.3	4 149	97.2	5 027	117.8	Moldova, Republic of
143 801	98.8	138 432	95.6	134 812	93.6	152 244	106.3	Russian Federation
2 779 §	45.6	3 508	57.1	4 052	65.4	4 883	78.2	Tajikistan
3 967	85.4	4 922	104.3	4 635	96.7	4 759	97.8	Turkmenistan
32 963	66.3	36 784	74.6	40 175	82.2	40 659	83.8	Ukraine
15 912	63.9	18 106	71.5	27 009	105.1	26 172	100.3	Uzbekistan
256 056	90.7	261 432	92.8	272 849	97.1	290 395	103.6	Total East
385 796	44.0	390 574	44.5	403 711	45.9	415 786	47.2	Total WHO European Region

* Incomplete notification owing to change in notification system

† 1996 new respiratory cases only; since 1997 new and recurrent respiratory and meningial cases

‡ Excluding Republika Srpska

§ New cases only

|| Excluding Abkhazia and Southern Ossetia

Table 2. Tuberculosis cases by age group, WHO European Region, 2003

Geographic area Country	0-4		5-14		15-24		25-34		35-44	
	N	(%)	N	(%)	N	(%)	N	(%)	N	(%)
EU & West										
Austria	16	(2)	27	(3)	102	(10)	152	(16)	173	(18)
Belgium	37	(3)	33	(3)	153	(14)	239	(21)	168	(15)
Cyprus	0	(0)	0	(0)	5	(14)	11	(31)	6	(17)
Czech Republic	2	(0)	9	(1)	51	(4)	114	(10)	140	(12)
Denmark	12	(3)	21	(5)	46	(12)	97	(25)	81	(21)
Estonia	2	(0)	2	(0)	42	(7)	104	(17)	152	(24)
Finland	1	(0)	3	(1)	15	(4)	34	(8)	29	(7)
France	142	(2)	169	(3)	756	(12)	1 174	(19)	1 029	(17)
Germany	142	(2)	143	(2)	628	(9)	1 089	(15)	1 208	(17)
Greece	8	(1)	10	(2)	49	(8)	92	(15)	80	(13)
Hungary	4	(0)	6	(0)	95	(3)	227	(8)	441	(16)
Ireland	10	(2)	13	(3)	71	(17)	89	(21)	51	(12)
Italy	107	(2)	73	(2)	432	(10)	938	(21)	743	(16)
Latvia	59	(3)	51	(3)	173	(10)	309	(18)	415	(24)
Lithuania	24	(1)	107	(4)	223	(8)	408	(14)	591	(21)
Luxembourg	1	(2)	0	(0)	7	(13)	16	(30)	12	(22)
Malta	1	(14)	0	(0)	0	(0)	3	(43)	0	(0)
Netherlands	25	(2)	34	(3)	251	(19)	351	(27)	220	(17)
Poland	27	(0)	71	(1)	514	(5)	997	(10)	1 614	(16)
Portugal	25	(1)	58	(1)	437	(11)	978	(24)	942	(23)
Slovakia	6	(1)	14	(1)	45	(5)	80	(8)	127	(13)
Slovenia	5	(2)	4	(1)	11	(4)	30	(10)	54	(18)
Spain	265	(4)	214	(3)	966	(13)	1 740	(23)	1 467	(20)
Sweden	6	(1)	11	(3)	66	(16)	93	(23)	68	(17)
United Kingdom *	110	(2)	236	(3)	1 064	(16)	1 943	(28)	1 126	(16)
Subtotal EU	1 037	(2)	1 309	(2)	6 202	(10)	11 308	(18)	10 937	(18)
Andorra	0	(0)	0	(0)	2	(18)	2	(18)	4	(36)
Iceland	0	(0)	0	(0)	1	(20)	1	(20)	1	(20)
Israel	14	(3)	15	(3)	43	(8)	91	(17)	103	(19)
Monaco	-	-	-	-	-	-	-	-	-	-
Norway	5	(1)	13	(4)	70	(21)	85	(25)	63	(19)
San Marino	0	-	0	-	0	-	0	-	0	-
Switzerland	12	(2)	12	(2)	108	(17)	128	(21)	97	(16)
Total EU & West	1 068	(2)	1 349	(2)	6 426	(10)	11 615	(18)	11 205	(18)
Centre										
Albania	8	(1)	27	(5)	85	(15)	74	(13)	92	(16)
Bosnia & Herzegovina †	5	(0)	29	(2)	206	(12)	209	(12)	262	(15)
Bulgaria	45	(1)	138	(4)	416	(13)	526	(16)	484	(15)
Croatia	6	(0)	58	(4)	90	(6)	135	(9)	242	(16)
Macedonia, F.Y.R.	39	(6)	53	(8)	104	(15)	103	(15)	113	(16)
Romania	539	(2)	1 069	(3)	4 269	(13)	6 033	(19)	5 958	(19)
Serbia & Montenegro	6	(0)	25	(1)	206	(7)	309	(10)	452	(15)
Turkey	-	-	-	-	-	-	-	-	-	-
Total Centre	648	(2)	1 399	(3)	5 376	(13)	7 389	(17)	7 603	(18)
East										
Armenia	10	(1)	61	(4)	344	(22)	442	(28)	248	(16)
Azerbaijan	30	(1)	199	(5)	1 057	(27)	974	(25)	759	(19)
Belarus ‡	24	(0)	37	(1)	588	(12)	975	(19)	1 250	(24)
Georgia	89	(1)	376	(6)	953	(16)	1 234	(21)	1 257	(21)
Kazakhstan	372	(1)	1 778	(6)	7 764	(24)	8 402	(26)	6 245	(19)
Kyrgyzstan ‡	218	(4) §	775	(13) §	1 360	(22)	1 403	(23)	1 002	(16)
Moldova, Republic of	-	-	-	-	-	-	-	-	-	-
Russian Federation	-	-	-	-	-	-	-	-	-	-
Tajikistan	83	(2)	365	(7)	1 286	(26)	982	(20)	606	(12)
Turkmenistan	31	(1)	279	(6)	1 133	(24)	1 417	(30)	1 059	(22)
Ukraine ‡	175	(0)	509	(1)	4 957	(13)	8 450	(23)	8 588	(23)
Uzbekistan ‡	295	(1)	2 701	(14)	3 775	(19)	5 034	(26)	3 160	(16)
Total East	1 327	(1)	7 080	(6)	23 217	(19)	29 313	(24)	24 174	(20)
Total WHO European Region	3 043	(1)	9 828	(4)	35 019	(15)	48 317	(21)	42 982	(19)

* Excluding Scotland

† Excluding Republika Srpska

‡ Age groups only for new cases

§ Paediatric age-groups are 0-6 and 7-14 years

Table 2 (cont.). Tuberculosis cases by age group, WHO European Region, 2003

45-54		55-64		>64		Unknown		Total	Geographic area Country
N	(%)	N	(%)	N	(%)	N	(%)		
EU & West									
186	(19)	120	(12)	204	(21)	0	(0)	980	Austria
162	(14)	103	(9)	233	(21)	0	(0)	1 128	Belgium
3	(9)	4	(11)	6	(17)	0	(0)	35	Cyprus
243	(21)	207	(18)	387	(34)	0	(0)	1 153	Czech Republic
58	(15)	33	(8)	43	(11)	0	(0)	391	Denmark
150	(24)	94	(15)	77	(12)	0	(0)	623	Estonia
55	(13)	63	(15)	214	(52)	0	(0)	414	Finland
750	(12)	559	(9)	1 515	(25)	4	(0)	6 098	France
1 070	(15)	917	(13)	1 986	(28)	1	(0)	7 184	Germany
58	(9)	74	(12)	214	(35)	35	(6)	620	Greece
798	(29)	503	(18)	671	(24)	0	(0)	2 745	Hungary
50	(12)	33	(8)	101	(24)	3	(1)	421	Ireland
428	(9)	432	(10)	1 223	(27)	142	(3)	4 518	Italy
336	(19)	209	(12)	174	(10)	0	(0)	1 726	Latvia
610	(22)	408	(14)	450	(16)	0	(0)	2 821	Lithuania
4	(7)	6	(11)	8	(15)	0	(0)	54	Luxembourg
2	(29)	1	(14)	0	(0)	0	(0)	7	Malta
137	(10)	107	(8)	196	(15)	0	(0)	1 321	Netherlands
2 587	(26)	1 432	(14)	2 881	(28)	1	(0)	10 124	Poland
590	(14)	371	(9)	672	(16)	58	(1)	4 131	Portugal
192	(20)	130	(13)	389	(40)	0	(0)	983	Slovakia
59	(20)	25	(9)	105	(36)	0	(0)	293	Slovenia
847	(11)	553	(7)	1 302	(17)	113	(2)	7 467	Spain
33	(8)	31	(8)	102	(25)	0	(0)	410	Sweden
752	(11)	536	(8)	1 069	(16)	1	(0)	6 837	United Kingdom *
10 160	(16)	6 951	(11)	14 222	(23)	358	(1)	62 484	Subtotal EU
EU & West (continued)									
2	(18)	1	(9)	0	(0)	0	(0)	11	Andorra
0	(0)	1	(20)	1	(20)	0	(0)	5	Iceland
57	(11)	58	(11)	148	(28)	0	(0)	529	Israel
-	-	-	-	-	-	-	-	-	Monaco
27	(8)	18	(5)	58	(17)	0	(0)	339	Norway
0	-	0	-	1	-	0	-	1	San Marino
72	(12)	46	(7)	148	(24)	0	(0)	623	Switzerland
10 318	(16)	7 075	(11)	14 578	(23)	358	(1)	63 992	Total EU & West
Centre									
83	(15)	94	(17)	97	(17)	1	(0)	561	Albania
248	(14)	266	(15)	555	(31)	0	(0)	1 780	Bosnia & Herzegovina †
616	(19)	483	(15)	555	(17)	0	(0)	3 263	Bulgaria
291	(19)	199	(13)	472	(32)	1	(0)	1 494	Croatia
91	(13)	84	(12)	110	(16)	0	(0)	697	Macedonia, F.Y.R.
7 004	(22)	3 407	(11)	3 316	(10)	28	(0)	31 623	Romania
586	(20)	446	(15)	918	(31)	1	(0)	2 949	Serbia & Montenegro
-	-	-	-	-	-	-	-	-	Turkey
8 919	(21)	4 979	(12)	6 023	(14)	31	(0)	42 367	Total Centre
East									
235	(15)	171	(11)	59	(4)	0	(0)	1 570	Armenia
507	(13)	278	(7)	127	(3)	0	(0)	3 931	Azerbaijan
1 092	(21)	528	(10)	612	(12)	0	(0)	5 106	Belarus ‡
908	(15)	564	(9)	608	(10)	4	(0)	5 993	Georgia
4 264	(13)	1 969	(6)	1 375	(4)	0	(0)	32 169	Kazakhstan
620	(10)	323	(5)	471	(8)	0	(0)	6 172	Kyrgyzstan ‡
-	-	-	-	-	-	-	-	-	Moldova, Republic of
-	-	-	-	-	-	-	-	-	Russian Federation
338	(7)	188	(4)	124	(3)	911	(19)	4 883	Tajikistan
502	(11)	193	(4)	145	(3)	0	(0)	4 759	Turkmenistan
7 487	(20)	3 651	(10)	3 226	(9)	0	(0)	37 043	Ukraine ‡
2 042	(10)	1 305	(7)	1 413	(7)	0	(0)	19 725	Uzbekistan ‡
17 995	(15)	9 170	(8)	8 160	(7)	915	(1)	121 351	Total East
37 232	(16)	21 224	(9)	28 761	(13)	1 304	(1)	227 710	Total WHO European Region

* Excluding Scotland

† Excluding Republika Srpska

‡ Age groups only for new cases

Table 3. Tuberculosis cases by sex, WHO European Region, 2003

Geographic area Country	Male		Female		Unknown		Total	Sex ratio
	N	(%)	N	(%)	N	(%)		
EU & West								
Austria	622	(63)	358	(37)	0	(0)	980	1.7
Belgium	716	(63)	412	(37)	0	(0)	1 128	1.7
Cyprus	15	(43)	20	(57)	0	(0)	35	0.8
Czech Republic	736	(64)	417	(36)	0	(0)	1 153	1.8
Denmark	245	(63)	146	(37)	0	(0)	391	1.7
Estonia	437	(70)	186	(30)	0	(0)	623	2.3
Finland	225	(54)	189	(46)	0	(0)	414	1.2
France	3 746	(61)	2 346	(38)	6	(0)	6 098	1.6
Germany	4 426	(62)	2 758	(38)	0	(0)	7 184	1.6
Greece	432	(70)	187	(30)	1	(0)	620	2.3
Hungary	1 846	(67)	899	(33)	0	(0)	2 745	2.1
Ireland	261	(62)	156	(37)	4	(1)	421	1.7
Italy	2 715	(60)	1 782	(39)	21	(0)	4 518	1.5
Latvia	1 195	(69)	531	(31)	0	(0)	1 726	2.3
Lithuania	1 978	(70)	843	(30)	0	(0)	2 821	2.3
Luxembourg	39	(72)	12	(22)	3	(6)	54	3.3
Malta	4	(57)	3	(43)	0	(0)	7	1.3
Netherlands	769	(58)	552	(42)	0	(0)	1 321	1.4
Poland	6 670	(66)	3 454	(34)	0	(0)	10 124	1.9
Portugal	2 825	(68)	1 306	(32)	0	(0)	4 131	2.2
Slovakia	569	(58)	414	(42)	0	(0)	983	1.4
Slovenia	182	(62)	111	(38)	0	(0)	293	1.6
Spain	4 930	(66)	2 524	(34)	13	(0)	7 467	2.0
Sweden	202	(49)	208	(51)	0	(0)	410	1.0
United Kingdom *	3 807	(56)	3 028	(44)	2	(0)	6 837	1.3
Subtotal EU	39 592	(63)	22 842	(37)	50	(0)	62 484	1.7
Andorra	5	(45)	6	(55)	0	(0)	11	0.8
Iceland	3	(60)	2	(40)	0	(0)	5	1.5
Israel	278	(53)	251	(47)	0	(0)	529	1.1
Monaco	-	-	-	-	-	-	-	-
Norway	181	(53)	158	(47)	0	(0)	339	1.1
San Marino	1	(100)	0	(0)	0	(0)	1	-
Switzerland	354	(57)	269	(43)	0	(0)	623	1.3
Total EU & West	40 414	(63)	23 528	(37)	50	(0)	63 992	1.7
Centre								
Albania	341	(61)	220	(39)	0	(0)	561	1.6
Bosnia & Herzegovina †	996	(56)	784	(44)	0	(0)	1 780	1.3
Bulgaria	2 146	(66)	1 117	(34)	0	(0)	3 263	1.9
Croatia	972	(65)	522	(35)	0	(0)	1 494	1.9
Macedonia, F.Y.R.	435	(62)	262	(38)	0	(0)	697	1.7
Romania	21 654	(68)	9 969	(32)	0	(0)	31 623	2.2
Serbia & Montenegro	1 837	(62)	1 112	(38)	0	(0)	2 949	1.7
Turkey	-	-	-	-	-	-	-	-
Total Centre	28 381	(67)	13 986	(33)	0	(0)	42 367	2.0
East								
Armenia	1 295	(82)	275	(18)	0	(0)	1 570	4.7
Azerbaijan	3 038	(77)	893	(23)	0	(0)	3 931	3.4
Belarus ‡	3 716	(73)	1 390	(27)	0	(0)	5 106	2.7
Georgia	4 317	(72)	1 671	(28)	5	(0)	5 993	2.6
Kazakhstan	18 249	(57)	13 920	(43)	0	(0)	32 169	1.3
Kyrgyzstan ‡	3 488	(57)	2 684	(43)	0	(0)	6 172	1.3
Moldova, Republic of	-	-	-	-	-	-	-	-
Russian Federation ‡	85 677	(72)	32 887	(28)	0	(0)	118 564	2.6
Tajikistan	2 272	(47)	1 700	(35)	911	(19)	4 883	1.3
Turkmenistan	3 081	(65)	1 678	(35)	0	(0)	4 759	1.8
Ukraine ‡	26 912	(73)	10 131	(27)	0	(0)	37 043	2.7
Uzbekistan ‡	11 305	(57)	8 420	(43)	0	(0)	19 725	1.3
Total East	163 350	(68)	75 649	(32)	916	(0)	239 915	2.2
Total WHO European Region	232 145	(67)	113 163	(33)	966	(0)	346 274	2.1

* Excluding Scotland

† Excluding Republika Srpska

‡ New cases only

Table 4. Tuberculosis cases by geographic origin, WHO European Region, 2003

Geographic area Country	Classification	Native / national citizen		Foreign-born / foreign citizen		Unknown		Total
		N	(%)	N	(%)	N	(%)	
EU & West								
Austria	citizenship	640	(65)	340	(35)	0	(0)	980
Belgium	citizenship	520	(46)	608	(54)	0	(0)	1 128
Cyprus	birthplace	13	(37)	22	(63)	0	(0)	35
Czech Republic	birthplace	1 028	(89)	125	(11)	0	(0)	1 153
Denmark	birthplace *	158	(40)	233	(60)	0	(0)	391
Estonia	birthplace	493	(79)	130	(21)	0	(0)	623
Finland	birthplace	361	(87)	38	(9)	15	(4)	414
France	birthplace	2 815	(46)	2 572	(42)	711	(12)	6 098
Germany	birthplace	3 818	(53)	3 001	(42)	365	(5)	7 184
Greece	birthplace	458	(74)	155	(25)	7	(1)	620
Hungary	birthplace	2 670	(97)	52	(2)	23	(1)	2 745
Ireland	birthplace	294	(70)	84	(20)	43	(10)	421
Italy	birthplace	2 846	(63)	1 459	(32)	213	(5)	4 518
Latvia	birthplace	1 606	(93)	92	(5)	28	(2)	1 726
Lithuania	birthplace	2 693	(95)	128	(5)	0	(0)	2 821
Luxembourg	birthplace	13	(24)	36	(67)	5	(9)	54
Malta	citizenship	3	(43)	4	(57)	0	(0)	7
Netherlands	citizenship	570	(43)	749	(57)	2	(0)	1 321
Poland	-	-	-	-	-	-	-	-
Portugal	birthplace	3 625	(88)	502	(12)	4	(0)	4 131
Slovakia	birthplace	967	(98)	16	(2)	0	(0)	983
Slovenia	birthplace	250	(85)	43	(15)	0	(0)	293
Spain	birthplace	3 758	(50)	603	(8)	3 106	(42)	7 467
Sweden	birthplace	104	(25)	306	(75)	0	(0)	410
United Kingdom †	birthplace	1 868	(27)	4 328	(63)	641	(9)	6 837
Subtotal EU		31 571	(60)	15 626	(30)	5 163	(10)	52 360
Andorra	citizenship	1	(9)	10	(91)	0	(0)	11
Iceland	birthplace	2	(40)	3	(60)	0	(0)	5
Israel	birthplace	94	(18)	435	(82)	0	(0)	529
Monaco	-	-	-	-	-	-	-	-
Norway	birthplace	70	(21)	269	(79)	0	(0)	339
San Marino	citizenship	1	(100)	0	(0)	0	(0)	1
Switzerland	birthplace	167	(27)	373	(60)	83	(13)	623
Total EU & West		31 906	(59)	16 716	(31)	5 246	(10)	53 868
Centre								
Albania	birthplace	560	(100)	1	(0)	0	(0)	561
Bosnia & Herzegovina ‡	citizenship	1 777	(100)	3	(0)	0	(0)	1 780
Bulgaria	citizenship	3 263	(100)	0	(0)	0	(0)	3 263
Croatia	citizenship	818	(55)	161	(11)	515	(34)	1 494
Macedonia, F.Y.R.	birthplace	526	(75)	12	(2)	159	(23)	697
Romania	birthplace	31 623	(100)	0	(0)	0	(0)	31 623
Serbia & Montenegro	citizenship	2 949	(100)	0	(0)	0	(0)	2 949
Turkey	-	-	-	-	-	-	-	-
Total Centre		41 516	(98)	177	(0)	674	(2)	42 367
East								
Armenia	citizenship	1 570	(100)	0	(0)	0	(0)	1 570
Azerbaijan	citizenship	3 931	(100)	0	(0)	0	(0)	3 931
Belarus	-	-	-	-	-	-	-	-
Georgia	citizenship	5 993	(100)	0	(0)	0	(0)	5 993
Kazakhstan	citizenship	32 169	(100)	0	(0)	0	(0)	32 169
Kyrgyzstan	-	-	-	-	-	-	-	-
Moldova, Republic of	-	-	-	-	-	-	-	-
Russian Federation	birthplace	151 636	(100)	608	(0)	0	(0)	152 244
Tajikistan	citizenship	4 883	(100)	0	(0)	0	(0)	4 883
Turkmenistan	birthplace	4 759	(100)	0	(0)	0	(0)	4 759
Ukraine	-	-	-	-	-	-	-	-
Uzbekistan	-	-	-	-	-	-	-	-
Total East		204 941	(100)	608	(0)	0	(0)	205 549
Total WHO European Region		278 363	(92)	17 501	(6)	5 920	(2)	301 784

* By birthplace of parents for Danish-born cases under 26 years of age

† Excluding Scotland

‡ Excluding Republika Srpska

Table 5. Tuberculosis cases by geographic origin, EU & West*, 1996-2003

Geographic area Country	Classification	1996	1997	1998	1999	2000	2001	2002	2003
A. Native / national citizens									
Austria	citizenship	1 138	1 052	1 014	926	890	804	769	640
Belgium	citizenship	906	849	776	809	758	714	637	520
Cyprus	birthplace	-	-	-	-	-	15	13	13
Czech Republic	birthplace	1 936	1 726	1 695	1 496	1 299	1 157	1 036	1 028
Denmark	birthplace †	195	174	184	164	198	174	154	158
Estonia	birthplace	681	716	704	587	608	630	573	493
Finland	birthplace	596	524	568	517	490	427	422	361
France	birthplace	-	-	-	-	3 198	2 870	2 657	2 815
Germany	birthplace	-	-	-	-	-	3 781	4 040	3 818
Hungary	birthplace	4 236	4 196	-	3 832	3 521	3 077	2 948	2 670
Ireland	birthplace	-	-	389	404	354	328	268	294
Italy	birthplace	-	-	-	3 346	3 511	3 063	2 890	2 846
Latvia	birthplace	-	1 889	2 087	1 614	1 893	1 931	1 714	1 606
Lithuania	birthplace	-	2 769	2 784	2 699	2 821	2 815	2 711	2 693
Malta	citizenship	-	-	-	-	13	13	15	3
Netherlands	citizenship	808	647	536	603	516	545	539	570
Portugal	birthplace	-	-	-	4 406	4 047	3 903	4 002	3 625
Slovakia	birthplace	1 497	1 298	1 281	1 214	1 103	1 063	1 041	967
Slovenia	birthplace	457	377	368	335	286	287	273	250
Sweden	birthplace	198	156	177	174	151	142	116	104
United Kingdom ‡	birthplace	-	-	2 353	2 087	1 957	2 106	1 999	1 868
Subtotal EU		-	-	-	-	-	29 845	28 817	27 342
Andorra	citizenship	-	-	-	-	-	5	5	1
Iceland	birthplace	7	8	9	4	8	6	5	2
Israel	birthplace	70	52	96	71	91	87	79	94
Norway	birthplace	115	95	115	93	70	82	61	70
San Marino	citizenship	0	1	0	0	1	0	-	1
Switzerland	birthplace	-	239	211	269	228	192	189	167
Total EU & West		-	-	-	-	-	30 217	29 156	27 677
B. Foreign-born / foreign citizens									
Austria	citizenship	351	346	292	319	335	271	298	340
Belgium	citizenship	435	414	427	454	508	604	657	608
Cyprus	birthplace	-	-	-	-	-	25	7	22
Czech Republic	birthplace	0	108	110	135	143	193	164	125
Denmark	birthplace †	283	380	344	371	350	334	257	233
Estonia	birthplace	2	28	114	167	183	182	140	130
Finland	birthplace	34	41	49	49	47	58	43	38
France	birthplace	-	-	-	-	2 193	2 305	2 564	2 572
Germany	birthplace	-	-	-	-	-	2 741	2 924	3 001
Hungary	birthplace	42	44	-	64	56	57	47	52
Ireland	birthplace	-	-	35	65	49	65	107	84
Italy	birthplace	-	-	-	961	1 201	1 391	1 293	1 459
Latvia	birthplace	-	85	61	39	147	122	114	92
Lithuania	birthplace	-	157	231	146	160	174	133	128
Malta	citizenship	-	-	-	-	5	3	9	4
Netherlands	citizenship	833	817	805	898	879	881	854	749
Portugal	birthplace	-	-	-	325	434	491	584	502
Slovakia	birthplace	2	0	1	4	8	13	12	16
Slovenia	birthplace	106	101	81	103	94	84	77	43
Sweden	birthplace	291	300	269	319	305	286	296	306
United Kingdom ‡	birthplace	-	-	2 987	2 967	3 327	3 551	4 084	4 328
Subtotal EU		-	-	-	-	-	13 831	14 664	14 832
Andorra	citizenship	-	-	-	-	-	0	0	10
Iceland	birthplace	4	2	8	8	5	7	3	3
Israel	birthplace	345	370	560	449	500	477	432	435
Norway	birthplace	102	110	129	180	167	206	195	269
San Marino	citizenship	0	0	0	0	0	0	-	0
Switzerland	birthplace	-	403	411	469	341	338	399	373
Total EU & West		-	-	-	-	-	14 859	15 693	15 922

* Countries with at least three successive datapoints with the same classification of origin and with at least 80% of cases with information on origin in all years

† By birthplace of parents for Danish-born cases under 26 years of age

‡ Excluding Scotland

Table 6. Tuberculosis cases of foreign origin by area of origin, WHO European Region*, 2003

Geographic area Country	Classification	Area of origin										Total
		WHO European Region				Rest of Asia		Africa		Other / unknown †		
		EU & West		Centre and East		N	(%)	N	(%)	N	(%)	
EU & West												
Austria	citizenship	12	(4)	239	(70)	54	(16)	32	(9)	3	(1)	340
Belgium	citizenship	54	(9)	89	(15)	108	(18)	334	(55)	23	(4)	608
Cyprus	birthplace	4	(18)	7	(32)	10	(45)	1	(5)	0	(0)	22
Czech Republic	birthplace	25	(20)	53	(42)	42	(34)	2	(2)	3	(2)	125
Denmark	birthplace ‡	3	(1)	18	(8)	69	(30)	114	(49)	29	(12)	233
Estonia	birthplace	3	(2)	126	(97)	1	(1)	0	(0)	0	(0)	130
Finland	birthplace	0	(0)	8	(21)	16	(42)	14	(37)	0	(0)	38
Germany	birthplace	272	(9)	1 595	(53)	663	(22)	432	(14)	39	(1)	3 001
Greece	birthplace	3	(2)	79	(51)	36	(23)	15	(10)	22	(14)	155
Hungary	birthplace	2	(4)	39	(75)	8	(15)	3	(6)	0	(0)	52
Ireland	birthplace	8	(10)	12	(14)	29	(35)	18	(21)	17	(20)	84
Italy	birthplace	40	(3)	338	(23)	302	(21)	522	(36)	257	(18)	1 459
Latvia	birthplace	11	(12)	81	(88)	0	(0)	0	(0)	0	(0)	92
Lithuania	birthplace	6	(5)	120	(94)	2	(2)	0	(0)	0	(0)	128
Luxembourg	birthplace	25	(69)	7	(19)	1	(3)	2	(6)	1	(3)	36
Malta	citizenship	1	(25)	0	(0)	0	(0)	3	(75)	0	(0)	4
Netherlands	citizenship	31	(4)	100	(13)	162	(22)	414	(55)	42	(6)	749
Portugal	birthplace	25	(5)	43	(9)	28	(6)	363	(72)	43	(9)	502
Slovakia	birthplace	1	(6)	5	(31)	10	(63)	0	(0)	0	(0)	16
Slovenia	birthplace	2	(5)	40	(93)	0	(0)	1	(2)	0	(0)	43
Sweden	birthplace	17	(6)	66	(22)	82	(27)	134	(44)	7	(2)	306
United Kingdom §	birthplace	138	(3)	91	(2)	2 172	(50)	1 651	(38)	276	(6)	4 328
Subtotal EU		683	(5)	3 156	(25)	3 795	(30)	4 055	(33)	762	(6)	12 451
Andorra	birthplace	9	(90)	0	(0)	0	(0)	0	(0)	1	(10)	10
Iceland	birthplace	0	(0)	0	(0)	3	(100)	0	(0)	0	(0)	3
Switzerland	birthplace	54	(14)	95	(25)	93	(25)	104	(28)	27	(7)	373
Total EU & West		746	(6)	3 251	(25)	3 891	(30)	4 159	(32)	790	(6)	12 837
Centre												
Albania	birthplace	0	(0)	1	(100)	0	(0)	0	(0)	0	(0)	1
Croatia	birthplace	3	(2)	156	(97)	1	(1)	0	(0)	1	(1)	161
Romania	birthplace	0	-	0	-	0	-	0	-	0	-	0

* 28 countries with individual data including country of origin

† 552 cases from America and Oceania

‡ By birthplace of parents for Danish-born cases under 26 years of age

§ Excluding Scotland

Table 7. Tuberculosis cases by previous history of anti-TB treatment or TB diagnosis*, WHO European Region, 2003

Geographic area Country	Never treated		Previously treated for TB		Unknown TB treatment history				Total
	N	(%)	N	(%)	Previously diagnosed with TB		Unknown TB history		
					N	(%)	N	(%)	
EU & West									
Austria	901	(92)	26	(3)	53	(5)	0	(0)	980
Belgium	699	(62)	-	-	97	(9)	332	(29)	1 128
Cyprus	34	(97)	0	(0)	0	(0)	1	(3)	35
Czech Republic	1 101	(95)	52	(5)	0	(0)	0	(0)	1 153
Denmark	367	(94)	-	-	24	(6)	0	(0)	391
Estonia	496	(80)	127	(20)	0	(0)	0	(0)	623
Finland	332	(80)	-	-	22	(5)	60	(14)	414
France	4 292	(70)	485	(8)	0	(0)	1 321	(22)	6 098
Germany	4 485	(62)	622	(9)	317	(4)	1 760	(24)	7 184
Greece	552	(89)	39	(6)	29	(5)	0	(0)	620
Hungary	2 278	(83)	423	(15)	44	(2)	0	(0)	2 745
Ireland	269	(64)	17	(4)	18	(4)	117	(28)	421
Italy	3 295	(73)	284	(6)	14	(0)	925	(20)	4 518
Latvia	1 481	(86)	245	(14)	0	(0)	0	(0)	1 726
Lithuania	2 247	(80)	553	(20)	21	(1)	0	(0)	2 821
Luxembourg	53	(98)	0	(0)	1	(2)	0	(0)	54
Malta	6	(86)	1	(14)	0	(0)	0	(0)	7
Netherlands	1 082	(82)	57	(4)	17	(1)	165	(12)	1 321
Poland	8 890	(88)	1 223	(12)	11	(0)	0	(0)	10 124
Portugal	3 684	(89)	447	(11)	0	(0)	0	(0)	4 131
Slovakia	845	(86)	129	(13)	9	(1)	0	(0)	983
Slovenia	254	(87)	37	(13)	2	(1)	0	(0)	293
Spain	4 594	(62)	330	(4)	0	(0)	2 543	(34)	7 467
Sweden	381	(93)	28	(7)	1	(0)	0	(0)	410
United Kingdom †	4 844	(71)	-	-	163	(2)	1 830	(27)	6 837
Subtotal EU	47 462	(76)	5 125	(8)	843	(1)	9 054	(14)	62 484
Andorra	8	(73)	1	(9)	0	(0)	2	(18)	11
Iceland	5	(100)	0	(0)	0	(0)	0	(0)	5
Israel	497	(94)	32	(6)	0	(0)	0	(0)	529
Monaco	-	-	-	-	-	-	-	-	-
Norway	269	(79)	18	(5)	0	(0)	52	(15)	339
San Marino	0	(0)	1	(100)	0	(0)	0	(0)	1
Switzerland	425	(68)	53	(9)	16	(3)	129	(21)	623
Total EU & West	48 666	(76)	5 230	(8)	859	(1)	9 237	(14)	63 992
Centre									
Albania	529	(94)	32	(6)	0	(0)	0	(0)	561
Bosnia & Herzegovina ‡	1 649	(93)	131	(7)	0	(0)	0	(0)	1 780
Bulgaria	2 952	(90)	311	(10)	0	(0)	0	(0)	3 263
Croatia	1 347	(90)	138	(9)	9	(1)	0	(0)	1 494
Macedonia, F.Y.R.	611	(88)	86	(12)	0	(0)	0	(0)	697
Romania	25 168	(80)	6 455	(20)	0	(0)	0	(0)	31 623
Serbia & Montenegro	2 708	(92)	235	(8)	0	(0)	6	(0)	2 949
Turkey	17 923	(96)	667	(4)	0	(0)	0	(0)	18 590
Total Centre	52 887	(87)	8 055	(13)	9	(0)	6	(0)	60 957
East									
Armenia	1 437	(92)	133	(8)	0	(0)	0	(0)	1 570
Azerbaijan	3 767	(96)	164	(4)	0	(0)	0	(0)	3 931
Belarus	5 085	(85)	857	(14)	0	(0)	21	(0)	5 963
Georgia	4 070	(68)	1 923	(32)	0	(0)	0	(0)	5 993
Kazakhstan	23 918	(74)	8 251	(26)	0	(0)	0	(0)	32 169
Kyrgyzstan	6 145	(87)	853	(12)	0	(0)	27	(0)	7 025
Moldova, Republic of	3 619	(72)	1 408	(28)	0	(0)	0	(0)	5 027
Russian Federation	118 564	(78)	33 680	(22)	0	(0)	0	(0)	152 244
Tajikistan	-	-	-	-	-	-	-	-	-
Turkmenistan	3 661	(77)	1 098	(23)	0	(0)	0	(0)	4 759
Ukraine	37 043	(91)	3 616	(9)	0	(0)	0	(0)	40 659
Uzbekistan	19 725	(75)	6 447	(25)	0	(0)	0	(0)	26 172
Total East	227 034	(80)	58 430	(20)	0	(0)	48	(0)	285 512
Total WHO European Region	328 587	(80)	71 715	(17)	868	(0)	9 291	(2)	410 461

* See technical note

† Excluding Scotland

‡ Excluding Republika Srpska

Table 8. Tuberculosis cases by site of disease, WHO European Region, 2003

Geographic area Country	Classification	Pulmonary / Respiratory		Extra-pulmonary / Extra-respiratory		Unknown		Total
		N	(%)	N	(%)	N	(%)	
EU & West								
Austria	pulmonary	821	(84)	159	(16)	0	(0)	980
Belgium	pulmonary	847	(75)	280	(25)	1	(0)	1 128
Cyprus	pulmonary	29	(83)	6	(17)	0	(0)	35
Czech Republic	pulmonary	905	(78)	248	(22)	0	(0)	1 153
Denmark	pulmonary	288	(74)	103	(26)	0	(0)	391
Estonia	pulmonary	557	(89)	66	(11)	0	(0)	623
Finland	pulmonary	292	(71)	122	(29)	0	(0)	414
France	pulmonary	4 372	(72)	1 622	(27)	104	(2)	6 098
Germany	pulmonary	5 609	(78)	1 395	(19)	180	(3)	7 184
Greece	pulmonary	532	(86)	87	(14)	1	(0)	620
Hungary	pulmonary	2 554	(93)	191	(7)	0	(0)	2 745
Ireland	pulmonary	299	(71)	86	(20)	36	(9)	421
Italy	pulmonary	3 359	(74)	1 159	(26)	0	(0)	4 518
Latvia	pulmonary	1 543	(89)	183	(11)	0	(0)	1 726
Lithuania	pulmonary	2 392	(85)	429	(15)	0	(0)	2 821
Luxembourg	pulmonary	51	(94)	3	(6)	0	(0)	54
Malta	pulmonary	4	(57)	3	(43)	0	(0)	7
Netherlands	pulmonary	868	(66)	453	(34)	0	(0)	1 321
Poland	pulmonary	9 207	(91)	913	(9)	4	(0)	10 124
Portugal	pulmonary	2 992	(72)	1 128	(27)	11	(0)	4 131
Slovakia	pulmonary	777	(79)	206	(21)	0	(0)	983
Slovenia	pulmonary	249	(85)	44	(15)	0	(0)	293
Spain *	respiratory	7 330	(98)	137	(2)	0	(0)	7 467
Sweden	pulmonary	256	(62)	153	(37)	1	(0)	410
United Kingdom †	pulmonary	3 884	(57)	2 905	(42)	48	(1)	6 837
Subtotal EU		50 017	(80)	12 081	(19)	386	(1)	62 484
Andorra	pulmonary	9	(82)	2	(18)	0	(0)	11
Iceland	pulmonary	3	(60)	2	(40)	0	(0)	5
Israel	pulmonary	419	(79)	110	(21)	0	(0)	529
Monaco	pulmonary	-	-	-	-	-	-	-
Norway	pulmonary	213	(63)	125	(37)	1	(0)	339
San Marino	respiratory	1	(100)	0	(0)	0	(0)	1
Switzerland	pulmonary	465	(75)	158	(25)	0	(0)	623
Total EU & West		51 127	(80)	12 478	(19)	387	(1)	63 992
Centre								
Albania	pulmonary	362	(65)	199	(35)	0	(0)	561
Bosnia & Herzegovina ‡	pulmonary	1 565	(88)	215	(12)	0	(0)	1 780
Bulgaria	respiratory	2 839	(87)	424	(13)	0	(0)	3 263
Croatia	pulmonary	1 325	(89)	169	(11)	0	(0)	1 494
Macedonia, F.Y.R.	pulmonary	529	(76)	168	(24)	0	(0)	697
Romania	pulmonary	27 449	(87)	4 171	(13)	3	(0)	31 623
Serbia & Montenegro	respiratory	2 766	(94)	183	(6)	0	(0)	2 949
Turkey	pulmonary	12 882	(69)	5 041	(27)	667	(4)	18 590
Total Centre		49 717	(82)	10 570	(17)	670	(1)	60 957
East								
Armenia	pulmonary	1 307	(83)	263	(17)	0	(0)	1 570
Azerbaijan	pulmonary	3 196	(81)	735	(19)	0	(0)	3 931
Belarus §	respiratory	4 728	(93)	378	(7)	0	(0)	5 106
Georgia	pulmonary	4 660	(78)	1 333	(22)	0	(0)	5 993
Kazakhstan	pulmonary	30 987	(96)	1 182	(4)	0	(0)	32 169
Kyrgyzstan	pulmonary	4 849	(69)	2 149	(31)	27	(0)	7 025
Moldova, Republic of	pulmonary	4 340	(86)	687	(14)	0	(0)	5 027
Russian Federation	pulmonary	147 310	(97)	4 934	(3)	0	(0)	152 244
Tajikistan	pulmonary	-	-	-	-	-	-	-
Turkmenistan	pulmonary	3 783	(79)	976	(21)	0	(0)	4 759
Ukraine	respiratory	-	-	-	-	-	-	-
Uzbekistan	pulmonary	23 912	(91)	2 260	(9)	0	(0)	26 172
Total East		229 072	(94)	14 897	(6)	27	(0)	243 996
Total WHO European Region		329 916	(89)	37 945	(10)	1 084	(0)	368 945

* Respiratory and meningeal cases only

† Excluding Scotland (respiratory classification)

‡ Excluding Republika Srpska

§ New cases only

Table 9. Tuberculosis cases by detailed site of disease and age group, WHO European Region, 2003 *

Site of disease	Age group (years)							
	0-14 (Cases=977)		15-44 (Cases=12 617)		45 and over (Cases=15 749)		Total † (Cases=29 548)	
	Sites ‡	(%)§	Sites ‡	(%)§	Sites ‡	(%)§	Sites ‡	(%)§
Pulmonary	594	(60.8)	10 085	(79.9)	12 610	(80.1)	23 460	(79.4)
Extrapulmonary								
Pleura	43	(4.4)	912	(7.2)	914	(5.8)	1 875	(6.3)
Intrathoracic lymphnodes	235	(24.1)	248	(2.0)	240	(1.5)	723	(2.4)
Extrathoracic lymphnodes	84	(8.6)	790	(6.3)	631	(4.0)	1 508	(5.1)
Spine	10	(1.0)	134	(1.1)	248	(1.6)	392	(1.3)
Bone / joint other than spine	13	(1.3)	132	(1.0)	245	(1.6)	392	(1.3)
Meninges	19	(1.9)	64	(0.5)	73	(0.5)	158	(0.5)
CNS other than meninges	1	(0.1)	24	(0.2)	20	(0.1)	45	(0.2)
Genito-urinary	4	(0.4)	217	(1.7)	570	(3.6)	798	(2.7)
Peritoneal / digestive	13	(1.3)	153	(1.2)	112	(0.7)	278	(0.9)
Disseminated ¶	10	(1.0)	217	(1.7)	213	(1.4)	443	(1.5)
Other	68	(7.0)	415	(3.3)	507	(3.2)	999	(3.4)
Unknown	8	(0.8)	69	(0.5)	150	(1.0)	229	(0.8)
Total sites	1 094		13 391		16 383		31 071	

* 20 countries with individual data: Andorra, Austria, Belgium, Croatia, Cyprus, Czech Republic, Estonia, Germany, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Norway, Portugal, Slovakia, Slovenia and Switzerland

† Includes 205 cases with unknown age

‡ Number of sites; can include up to two sites for the same case (see technical note)

§ Percentage of cases in which the site was reported; total exceeds 100%

|| CNS = Central Nervous System

¶| Includes military TB, TB of more than two organ systems or isolate of *M. tuberculosis* complex from blood

Table 10. Tuberculosis cases by culture result, WHO European Region, 2003*

Geographic area Country	Routine use of culture †	Laboratories which report TB cases	Negative / not done /				Total
			Positive		unknown		
			N	(%)	N	(%)	
EU & West							
Austria	yes	some	631	(64)	349	(36)	980
Belgium	yes	all	878	(78)	250	(22)	1 128
Cyprus	yes	none	23	(66)	12	(34)	35
Czech Republic	yes	all	749	(65)	404	(35)	1 153
Denmark	yes	all	298	(76)	93	(24)	391
Estonia	yes	all	466	(75)	157	(25)	623
Finland	yes	all	347	(84)	67	(16)	414
France	yes	all	2 076	(34)	4 022	(66)	6 098
Germany	yes	all	4 657	(65)	2 527	(35)	7 184
Greece	no	all	229	(37)	391	(63)	620
Hungary	yes	all	901	(33)	1 844	(67)	2 745
Ireland	yes	none	183	(43)	238	(57)	421
Italy	no	none	2 554	(57)	1 964	(43)	4 518
Latvia	yes	some	1 263	(73)	463	(27)	1 726
Lithuania	yes	all	1 680	(60)	1 141	(40)	2 821
Luxembourg	yes	all	54	(100)	0	(0)	54
Malta	yes	all	3	(43)	4	(57)	7
Netherlands	yes	none	756	(57)	565	(43)	1 321
Poland	yes	all	5 553	(55)	4 571	(45)	10 124
Portugal	yes	some	2 016	(49)	2 115	(51)	4 131
Slovakia	yes	all	406	(41)	577	(59)	983
Slovenia	yes	all	259	(88)	34	(12)	293
Spain	yes	none	3 572	(48)	3 895	(52)	7 467
Sweden	yes	all	349	(85)	61	(15)	410
United Kingdom ‡	yes	none	4 084	(60)	2 753	(40)	6 837
Subtotal EU			33 987	(54)	28 497	(46)	62 484
Andorra	yes	some	6	(55)	5	(45)	11
Iceland	yes	all	4	(80)	1	(20)	5
Israel	yes	all	316	(60)	213	(40)	529
Monaco	-	-	-	-	-	-	-
Norway	yes	all	273	(81)	66	(19)	339
San Marino	yes	none	1	(100)	0	(0)	1
Switzerland	yes	all	483	(78)	140	(22)	623
Total EU & West			35 070	(55)	28 922	(45)	63 992
Centre							
Albania	no	all	237	(42)	324	(58)	561
Bosnia & Herzegovina §	yes	some	1 042	(59)	738	(41)	1 780
Bulgaria	yes	all	1 377	(42)	1 886	(58)	3 263
Croatia	yes	all	838	(56)	656	(44)	1 494
Macedonia, F.Y.R.	no	some	88	(13)	609	(87)	697
Romania	no	some	4 609	(15)	27 014	(85)	31 623
Serbia & Montenegro	no	some	-	-	-	-	-
Turkey	no	some	-	-	-	-	-
Total Centre			8 191	(21)	31 227	(79)	39 418
East							
Armenia	no	some	-	-	-	-	-
Azerbaijan	no	all	-	-	-	-	-
Belarus	yes	none	-	-	-	-	-
Georgia	no	none	-	-	-	-	-
Kazakhstan	yes	all	4 362	(14)	27 807	(86)	32 169
Kyrgyzstan	no	all	-	-	-	-	-
Moldova, Republic of	no	none	-	-	-	-	-
Russian Federation ¶]	no	none	2 990	(2)	149 254	(98)	152 244
Tajikistan	no	some	-	-	-	-	-
Turkmenistan	no	all	-	-	-	-	-
Ukraine	-	none	-	-	-	-	-
Uzbekistan	no	all	-	-	-	-	-
Total East			7 352	(4)	177 061	(96)	184 413
Total WHO European Region			50 613	(18)	237 210	(82)	287 823

* Culture results may be incomplete at time of data collection

† Routine use of culture nationwide for pulmonary cases

‡ Excluding Scotland

§ Excluding Republika Srpska

|| Preliminary data; 55% culture confirmed cases in 2002

¶] Culture results only provided for cases from selected DOTS areas (N=21 915)

Table 11. Tuberculosis cases by culture result and site of disease, WHO European Region, 2003 *

Geographic area	Culture done						Culture not done		No information		Total †
	Positive		Negative		Unknown		N	(%)	N	(%)	
Country	N	(%)	N	(%)	N	(%)	N	(%)	N	(%)	
A) Pulmonary cases											
EU & West											
Austria	544	(66)	150	(18)	0	(0)	127	(15)	0	(0)	821
Belgium	690	(81)	111	(13)	13	(2)	3	(0)	30	(4)	847
Cyprus	21	(72)	5	(17)	0	(0)	0	(0)	3	(10)	29
Czech Republic	639	(71)	266	(29)	0	(0)	0	(0)	0	(0)	905
Denmark	225	(78)	0	(0)	0	(0)	0	(0)	63	(22)	288
Estonia	430	(77)	122	(22)	0	(0)	5	(1)	0	(0)	557
Finland ‡	261	(89)	-	-	-	-	-	-	31	(11)	292
France	1 900	(43)	342	(8)	1 412	(32)	0	(0)	718	(16)	4 372
Germany	3 803	(68)	1 164	(21)	137	(2)	221	(4)	284	(5)	5 609
Greece	202	(38)	21	(4)	157	(30)	32	(6)	120	(23)	532
Hungary	869	(34)	1 147	(45)	102	(4)	357	(14)	79	(3)	2 554
Ireland	147	(49)	24	(8)	0	(0)	5	(2)	123	(41)	299
Italy	2 123	(63)	395	(12)	0	(0)	298	(9)	543	(16)	3 359
Latvia	1 209	(78)	301	(20)	0	(0)	33	(2)	0	(0)	1 543
Lithuania	1 610	(67)	727	(30)	0	(0)	55	(2)	0	(0)	2 392
Luxembourg	51	(100)	0	(0)	0	(0)	0	(0)	0	(0)	51
Malta	2	(50)	1	(25)	0	(0)	1	(25)	0	(0)	4
Netherlands	530	(61)	69	(8)	16	(2)	38	(4)	215	(25)	868
Poland	5 302	(58)	3 889	(42)	0	(0)	0	(0)	16	(0)	9 207
Portugal	1 840	(61)	274	(9)	60	(2)	0	(0)	818	(27)	2 992
Slovakia	372	(48)	400	(51)	0	(0)	5	(1)	0	(0)	777
Slovenia	233	(94)	9	(4)	0	(0)	7	(3)	0	(0)	249
Sweden	228	(89)	20	(8)	0	(0)	2	(1)	7	(3)	257
United Kingdom † §	2 651	(68)	-	-	-	-	-	-	1 233	(32)	3 884
Subtotal EU	25 882	(61)	9 437	(22)	1 897	(4)	1 189	(3)	4 283	(10)	42 688
Andorra	5	(56)	3	(33)	0	(0)	0	(0)	1	(11)	9
Iceland	2	(67)	1	(33)	0	(0)	0	(0)	0	(0)	3
Norway	171	(80)	22	(10)	0	(0)	0	(0)	20	(9)	213
Switzerland	358	(77)	-	-	-	-	81	(17)	26	(6)	465
Total EU & West	26 418	(61)	9 463	(22)	1 897	(4)	1 270	(3)	4 330	(10)	43 378
Centre											
Albania	215	(59)	113	(31)	0	(0)	0	(0)	34	(9)	362
Croatia	789	(60)	225	(17)	0	(0)	2	(0)	309	(23)	1 325
Romania	4 609	(17)	1 311	(5)	20 631	(75)	853	(3)	45	(0)	27 449
B) Extra-pulmonary cases											
EU & West											
Austria	87	(55)	27	(17)	0	(0)	45	(28)	0	(0)	159
Belgium	188	(67)	54	(19)	6	(2)	6	(2)	26	(9)	280
Cyprus	2	(33)	0	(0)	0	(0)	0	(0)	4	(67)	6
Czech Republic	110	(44)	138	(56)	0	(0)	0	(0)	0	(0)	248
Denmark	73	(71)	0	(0)	0	(0)	0	(0)	30	(29)	103
Estonia	36	(55)	17	(26)	0	(0)	13	(20)	0	(0)	66
Finland ‡	86	(70)	-	-	-	-	-	-	36	(30)	122
France	166	(10)	364	(22)	536	(33)	0	(0)	556	(34)	1 622
Germany	757	(54)	346	(25)	29	(2)	179	(13)	84	(6)	1 395
Greece	26	(30)	3	(3)	21	(24)	8	(9)	29	(33)	87
Hungary	32	(17)	59	(31)	9	(5)	78	(41)	13	(7)	191
Ireland	26	(30)	9	(10)	0	(0)	4	(5)	47	(55)	86
Italy	431	(37)	192	(17)	0	(0)	170	(15)	366	(32)	1 159
Latvia	54	(30)	128	(70)	0	(0)	1	(1)	0	(0)	183
Lithuania	70	(16)	233	(54)	0	(0)	126	(29)	0	(0)	429
Luxembourg	3	(100)	0	(0)	0	(0)	0	(0)	0	(0)	3
Malta	1	(33)	0	(0)	0	(0)	2	(67)	0	(0)	3
Netherlands	226	(50)	59	(13)	8	(2)	24	(5)	136	(30)	453
Poland	251	(27)	655	(72)	0	(0)	0	(0)	7	(1)	913
Portugal	171	(15)	92	(8)	36	(3)	0	(0)	829	(73)	1 128
Slovakia	34	(17)	161	(78)	0	(0)	11	(5)	0	(0)	206
Slovenia	26	(59)	12	(27)	0	(0)	6	(14)	0	(0)	44
Sweden	121	(79)	24	(16)	0	(0)	2	(1)	6	(4)	153
United Kingdom † §	1 427	(49)	-	-	-	-	-	-	1 478	(51)	2 905
Subtotal EU	4 404	(37)	2 573	(22)	645	(5)	675	(6)	3 647	(31)	11 944
Andorra	1	(50)	1	(50)	0	(0)	0	(0)	0	(0)	2
Iceland	2	(100)	0	(0)	0	(0)	0	(0)	0	(0)	2
Norway	102	(82)	6	(5)	0	(0)	0	(0)	17	(14)	125
Switzerland	125	(79)	-	-	-	-	27	(17)	6	(4)	158
Total EU & West	4 634	(38)	2 580	(21)	645	(5)	702	(6)	3 670	(30)	12 231
Centre											
Albania	22	(11)	85	(43)	0	(0)	0	(0)	92	(46)	199
Croatia	49	(29)	72	(43)	0	(0)	1	(1)	47	(28)	169
Romania	-	-	-	-	-	-	-	-	-	-	-

* 31 countries providing individual data

† Excluding 341 cases with site unknown

‡ Only positive results reported

§ Excluding Scotland

|| Preliminary data

Table 12. Tuberculosis cases by *M. tuberculosis* complex species, WHO European Region, 2003*

Geographic area Country	<i>M. tuberculosis</i>		<i>M. bovis</i>		<i>M. africanum</i>		Unknown / not done		Total culture positive
	N	(%)	N	(%)	N	(%)	N	(%)	
EU & West									
Austria	164	(26.0)	4	(0.6)	1	(0.2)	462	(73.2)	631
Belgium	876	(99.8)	1	(0.1)	1	(0.1)	0	(0.0)	878
Cyprus	19	(82.6)	0	(0.0)	0	(0.0)	4	(17.4)	23
Czech Republic	731	(97.6)	1	(0.1)	0	(0.0)	17	(2.3)	749
Denmark	296	(99.3)	2	(0.7)	0	(0.0)	0	(0.0)	298
Finland	347	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	347
Hungary	901	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	901
Ireland	147	(80.3)	6	(3.3)	0	(0.0)	30	(16.4)	183
Italy	1 761	(69.0)	4	(0.2)	11	(0.4)	778	(30.5)	2 554
Latvia	1 188	(94.1)	0	(0.0)	0	(0.0)	75	(5.9)	1 263
Lithuania	1 680	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	1 680
Luxembourg	54	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	54
Malta	2	(66.7)	0	(0.0)	0	(0.0)	1	(33.3)	3
Netherlands	727	(96.2)	11	(1.5)	0	(0.0)	18	(2.4)	756
Portugal	14	(0.7)	1	(0.0)	0	(0.0)	2 001	(99.3)	2 016
Slovakia	406	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	406
Slovenia	259	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	259
Sweden	343	(98.3)	5	(1.4)	1	(0.3)	0	(0.0)	349
United Kingdom †	3 970	(97.2)	15	(0.4)	17	(0.4)	82	(2.0)	4 084
Subtotal EU	13 885	(79.6)	50	(0.3)	31	(0.2)	3 468	(19.9)	17 434
Andorra	4	(66.7)	0	(0.0)	0	(0.0)	2	(33.3)	6
Iceland	4	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	4
Norway	272	(99.6)	0	(0.0)	1	(0.4)	0	(0.0)	273
Switzerland	415	(85.9)	7	(1.4)	16	(3.3)	45	(9.3)	483
Total EU & West	14 580	(80.1)	57	(0.3)	48	(0.3)	3 515	(19.3)	18 200
Centre									
Croatia ‡	838	(100.0)	-	-	-	-	-	-	838
Romania §	4 609	(100.0)	0	(0.0)	0	(0.0)	0	(0.0)	4 609

* Countries providing individual data

† Excluding Scotland

‡ Species other than *M. tuberculosis* not reported

§ Preliminary data

Table 13. Pulmonary tuberculosis cases by sputum smear result, WHO European Region, 2003

Geographic area Country	Classification of site	Routine use of sputum smear nationwide	Positive		Negative / unknown		Total
			N	(%)	N	(%)	
EU & West							
Austria	pulmonary	yes	276	(34)	545	(66)	821
Belgium	pulmonary	yes	402	(47)	445	(53)	847
Cyprus	pulmonary	yes	14	(48)	15	(52)	29
Czech Republic	pulmonary	yes	351	(39)	554	(61)	905
Denmark	pulmonary	yes	152	(53)	136	(47)	288
Estonia	pulmonary	yes	263	(47)	294	(53)	557
Finland	pulmonary	yes	148	(51)	144	(49)	292
France	pulmonary	yes	2 440	(56)	1 932	(44)	4 372
Germany	pulmonary	yes	1 850	(33)	3 759	(67)	5 609
Greece	pulmonary	no	250	(47)	282	(53)	532
Hungary	pulmonary	yes	644	(25)	1 910	(75)	2 554
Ireland	pulmonary	yes	154	(52)	145	(48)	299
Italy	pulmonary	no	1 579	(47)	1 780	(53)	3 359
Latvia	pulmonary	yes	815	(53)	728	(47)	1 543
Lithuania	pulmonary	yes	1 334	(56)	1 058	(44)	2 392
Luxembourg	pulmonary	yes	31	(61)	20	(39)	51
Malta	pulmonary	yes	2	(50)	2	(50)	4
Netherlands	pulmonary	yes	299	(34)	569	(66)	868
Poland	pulmonary	yes	3 501	(38)	5 706	(62)	9 207
Portugal	pulmonary	yes	1 990	(67)	1 002	(33)	2 992
Slovakia	pulmonary	yes	227	(29)	550	(71)	777
Slovenia	pulmonary	yes	132	(53)	117	(47)	249
Spain	respiratory	yes	3 027	(41)	4 303	(59)	7 330
Sweden	pulmonary	no	121	(47)	135	(53)	256
United Kingdom *	pulmonary	yes	1 699	(44)	2 185	(56)	3 884
Subtotal EU			21 701	(43)	28 306	(57)	50 017
Andorra	pulmonary	yes	7	(78)	2	(22)	9
Iceland	pulmonary	yes	1	(33)	2	(67)	3
Israel	pulmonary	yes	158	(38)	261	(62)	419
Monaco	pulmonary	-	-	-	-	-	-
Norway	pulmonary	no	56	(26)	157	(74)	213
San Marino	respiratory	yes	1	-	0	-	1
Switzerland	pulmonary	no	122	(26)	343	(74)	465
Total EU & West			22 046	(43)	29 071	(57)	51 127
Centre							
Albania	pulmonary	no	232	(64)	130	(36)	362
Bosnia & Herzegovina †	pulmonary	yes	542	(35)	1 023	(65)	1 565
Bulgaria	respiratory	yes	1 371	(48)	1 468	(52)	2 839
Croatia	pulmonary	yes	504	(38)	821	(62)	1 325
Macedonia, F.Y.R.	pulmonary	yes	241	(46)	288	(54)	529
Romania	pulmonary	yes	14 812	(54)	12 637	(46)	27 449
Serbia & Montenegro	respiratory	yes	-	-	-	-	-
Turkey	pulmonary	yes	5 816	(45)	7 066	(55)	12 882
Total Centre			23 518	(50)	23 436	(50)	46 951
East							
Armenia	pulmonary	no	708	(54)	599	(46)	1 307
Azerbaijan	pulmonary	no	1 320	(41)	1 876	(59)	3 196
Belarus	respiratory	yes	-	-	-	-	-
Georgia	pulmonary	yes	1 740	(37)	2 920	(63)	4 660
Kazakhstan	pulmonary	yes	14 058	(45)	16 929	(55)	30 987
Kyrgyzstan	pulmonary	yes	2 286	(47)	2 563	(53)	4 849
Moldova, Republic of	pulmonary	no	2 188	(50)	2 152	(50)	4 340
Russian Federation	pulmonary	no	56 857	(39)	90 453	(61)	147 310
Tajikistan	pulmonary	no	-	-	-	-	-
Turkmenistan	pulmonary	yes	1 737	(46)	2 046	(54)	3 783
Ukraine	respiratory	-	-	-	-	-	-
Uzbekistan	pulmonary	no	7 652	(32)	16 260	(68)	23 912
Total East			88 546	(39)	135 798	(61)	224 344
Total WHO European Region			134 110	(42)	188 305	(58)	322 422

* Excluding Scotland (respiratory classification)

† Excluding Republika Srpska

Table 14. Tuberculosis cases with HIV co-infection, WHO European Region*, 1998-2003

Geographic area Country	Cases with unknown HIV status (2003)	1998			1999			2000			2001			2002			2003		
		TB cases	HIV + N (%)		TB cases	HIV + N (%)		TB cases	HIV + N (%)		TB cases	HIV + N (%)		TB cases	HIV + N (%)		TB cases	HIV + N (%)	
EU & West																			
Belgium	43%	-	-	-	-	-	-	1 313	52	(4.0)	1 321	60	(4.5)	1 320	51	(3.9)	1 128	70	(6.2)
Czech Rep.	>99%	-	-	-	-	-	-	1 200	2	(0.2)	1 350	2	(0.1)	1 442	0	(0.0)	1 153	2	(0.2)
Denmark	97%	-	-	-	537	13	(2.4)	548	11	(2.0)	511	11	(2.2)	-	-	-	391	11	(2.8)
Estonia	32%	820	0	(0.0)	754	1	(0.1)	791	1	(0.1)	812	7	(0.9)	713	20	(2.8)	623	18	(2.9)
France	59% †	6 651	282	(4.2)	6 674	264	(4.0)	6 714	327	(4.9)	6 465	364	(5.6)	-	-	-	-	-	-
Ireland	-	424	2	(0.5)	469	6	(1.3)	395	7	(1.8)	-	-	-	-	-	-	-	-	-
Latvia	0%	-	-	-	1 914	9	(0.5)	2 009	14	(0.7)	2 022	27	(1.3)	1 818	25	(1.4)	1 726	40	(2.3)
Lithuania ‡	-	-	-	-	-	-	-	2 668	2	(0.1)	2 606	3	(0.1)	2 420	1	(0.0)	-	-	-
Malta	14%	16	0	(0.0)	22	2	(9.1)	18	0	(0.0)	16	0	(0.0)	24	0	(0.0)	7	1	(14.3)
Netherlands	96%	1 341	35	(2.6)	1 535	53	(3.5)	-	-	-	-	-	-	-	-	-	1 321	51	(3.9)
Poland	>99%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10 124	6	(0.1)
Portugal	53%	-	-	-	-	-	-	4 494	700	(15.6)	4 387	680	(15.5)	4 431	727	(16.4)	4 131	669	(16.2)
Slovakia	0%	1 282	0	(0.0)	1 218	0	(0.0)	1 111	0	(0.0)	1 076	0	(0.0)	1 053	0	(0.0)	983	1	(0.1)
Slovenia	78%	449	1	(0.2)	438	2	(0.5)	380	2	(0.5)	372	2	(0.5)	349	1	(0.3)	293	1	(0.3)
Spain	58%	-	-	-	-	-	-	8 395	815	(9.7)	7 453	599	(8.0)	7 626	926	(12.1)	7 467	714	(9.6)
United Kingdom ‡	-	-	-	-	17 633	479	(2.7)§	-	-	-	-	-	-	-	-	-	-	-	-
Andorra																			
Andorra	27%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	0	(0.0)
Iceland	20%	17	0	(0.0)	12	0	(0.0)	13	0	(0.0)	13	0	(0.0)	8	1	(12.5)	5	1	(20.0)
Israel ‡	-	656	25	(3.8)	520	13	(2.5)	591	28	(4.7)	564	25	(4.4)	511	24	(4.7)	529	36	(6.8)
Centre																			
Albania	84%	694	0	(0.0)	765	2	(0.3)	631	1	(0.2)	572	3	(0.5)	612	3	(0.5)	-	-	-
Romania	>99%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31 623	161	(0.5)
East																			
Armenia	3%	-	-	-	-	-	-	-	-	-	1 343	0	(0.0)	1 393	3	(0.2)	1 570	1	(0.1)
Azerbaijan ‡	-	4 350	6	(0.1)	4 629	4	(0.1)	5 113	5	(0.1)	4 877	12	(0.2)	4 428	7	(0.2)	3 931	8	(0.2)
Belarus ‡	-	-	-	-	-	-	-	-	-	-	5 505	33	(0.6)	5 139	36	(0.7)	-	-	-
Uzbekistan	>99%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26 172	160	(0.6)

* Aggregate data only; total annual numbers of cases may differ from those presented elsewhere in this report; HIV prevalence may be underestimated in many countries, due to incomplete HIV testing and reporting of HIV serostatus

† 2001

‡ HIV serostatus attributed through matching of TB and HIV case reports; proportion of cases with unknown HIV serostatus not available

§ TB cases >15 years notified in 1998-2000

Table 15. AIDS cases with tuberculosis as initial AIDS-indicative disease, WHO European Region, 2003 *

Geographic area Country	Total AIDS cases		AIDS - indicative disease unspecified		TB as initial AIDS-indicative disease						AIDS cases with initial AIDS- indicative TB / total TB cases (%) §
					Pulmonary TB †		Extra-pulmonary TB ‡		Total		
	N	Rate / 100 000	N	(%)	N	(%)	N	(%)	N	(%)	
EU & West											
Austria	51	0.6	6	(12)	4	(8)	0	(0)	4	(8)	0.4 %
Belgium	154	1.5	0	(0)	38	(25)	20	(13)	58	(38)	5.1 %
Cyprus	n/a	-	-	-	-	-	-	-	-	-	-
Czech Republic	9	0.1	0	(0)	0	(0)	0	(0)	0	(0)	0.0 %
Denmark	39	0.7	0	(0)	11	(28)	2	(5)	13	(33)	3.3 %
Estonia	11	0.8	0	(0)	6	(55)	2	(18)	8	(73)	1.3 %
Finland	25	0.5	0	(0)	3	(12)	0	(0)	3	(12)	0.7 %
France	1 432	2.3	2	(0)	181	(13)	133	(9)	314	(22)	5.1 %
Germany	807	1.0	0	(0)	26	(3)	39	(5)	65	(8)	0.9 %
Greece	81	0.7	0	(0)	18	(22)	4	(5)	22	(27)	3.5 %
Hungary	27	0.3	3	(11)	2	(7)	1	(4)	3	(11)	0.1 %
Ireland	44	1.1	0	(0)	4	(9)	1	(2)	5	(11)	1.2 %
Italy	1 721	3.0	0	(0)	103	(6)	67	(4)	170	(10)	3.8 %
Latvia	58	2.5	18	(31)	21	(36)	0	(0)	21	(36)	1.2 %
Lithuania	10	0.3	0	(0)	2	(20)	0	(0)	2	(20)	0.1 %
Luxembourg	8	1.8	2	(25)	0	(0)	0	(0)	0	(0)	0.0 %
Malta	2	0.5	0	(0)	0	(0)	0	(0)	0	(0)	0.0 %
Netherlands	256	1.6	256	(100)	-	-	-	-	-	-	-
Poland	125	0.3	5	(4)	24	(19)	4	(3)	28	(22)	0.3 %
Portugal	988	9.8	88	(9)	259	(26)	171	(17)	430	(44)	10.4 %
Slovakia	2	0.04	0	(0)	0	(0)	0	(0)	0	(0)	0.0 %
Slovenia	6	0.3	0	(0)	1	(17)	0	(0)	1	(17)	0.3 %
Spain	2 593	6.3	0	(0)	398	(15)	377	(15)	775	(30)	5.3 %
Sweden	60	0.7	10	(17)	7	(12)	3	(5)	10	(17)	2.4 %
United Kingdom	905	1.5	0	(0)	204	(23)	71	(8)	275	(30)	3.7 %
Subtotal EU	9 414	2.1	390	(4)	1 312	(14)	895	(10)	2 207	(23)	3.0 %
Andorra	n/a	-	-	-	-	-	-	-	-	-	-
Iceland	1	0.3	0	-	1	-	0	-	1	-	20.0 %
Israel	91	1.4	10	(11)	22	(24)	9	(10)	31	(34)	5.9 %
Monaco	0	0.0	0	-	0	-	0	-	0	-	-
Norway	39	0.9	0	(0)	12	(31)	0	(0)	12	(31)	3.5 %
San Marino ¶	0	0.0	0	-	0	-	0	-	0	-	-
Switzerland	282	3.9	0	(0)	17	(6)	5	(2)	22	(8)	3.5 %
Total EU & West	9 827	2.1	400	(4)	1 364	(14)	909	(9)	2 273	(23)	3.0 %
Centre											
Albania	5	0.2	0	(0)	0	(0)	0	(0)	0	(0)	0.0 %
Bosnia & Herzegovina	6	0.1	0	(0)	1	(17)	1	(17)	2	(33)	0.1 %**
Bulgaria ¶	5	0.1	0	(0)	0	(0)	2	(40)	2	(40)	0.1 %
Croatia	17	0.4	0	(0)	2	(12)	0	(0)	2	(12)	0.1 %
Macedonia, F.Y.R.	0	0.0	0	-	0	-	0	-	0	-	0.0 %
Romania	321	1.4	248	(77)	37	(12)	1	(0)	38	(12)	0.1 %
Serbia & Montenegro	63	0.6	2	(3)	7	(11)	5	(8)	12	(19)	0.4 %
Turkey	52	0.1	0	(0)	16	(31)	0	(0)	16	(31)	0.1 %
Total Centre	469	0.4	250	(53)	63	(13)	9	(2)	72	(15)	0.1 %
East											
Armenia	13	0.4	1	(8)	8	(62)	0	(0)	8	(62)	0.5 %
Azerbaijan	20	0.2	0	(0)	17	(85)	0	(0)	17	(85)	0.4 %
Belarus	35	0.4	1	(3)	12	(34)	0	(0)	12	(34)	0.2 %
Georgia	43	0.8	8	(19)	2	(5)	13	(30)	15	(35)	0.3 %
Kazakhstan	64	0.4	0	(0)	56	(88)	2	(3)	58	(91)	0.2 %
Kyrgyzstan	8	0.2	0	(0)	7	(88)	0	(0)	7	(88)	0.1 %
Moldova, Republic of	46	1.1	0	(0)	30	(65)	0	(0)	30	(65)	0.6 %
Russian Federation	n/a	-	-	-	-	-	-	-	-	-	-
Tajikistan	0	0.0	0	-	0	-	0	-	0	-	0.0 %
Turkmenistan	0	0.0	0	-	0	-	0	-	0	-	0.0 %
Ukraine	1 860	3.8	89	(5)	1 060	(57)	18	(1)	1 078	(58)	2.7 %
Uzbekistan ¶	8	0.03	0	(0)	4	(50)	1	(13)	5	(63)	0.0 %
Total East	2 097	1.5	99	(5)	1 196	(57)	34	(2)	1 230	(59)	0.9 %
Total WHO European Region	12 393	1.7	749	(6)	2 623	(21)	952	(8)	3 575	(29)	1.2 %

* Source: EuroHIV, European Non Aggregate AIDS Data Set, update December 2004. Figures differ from those in EuroHIV reports, usually presented by year of diagnosis and adjusted for reporting delay

† In persons over 12 years of age; includes cases with concomitant pulmonary and extrapulmonary TB

‡ At all ages

§ Total TB cases reported in 2003 (see Table 1)

|| For Spain, the numerator only includes pulmonary AIDS-indicative TB, as extrapulmonary TB cases are incompletely notified

¶ Incomplete 2003 data (cases reported from January to June)

** TB notifications only from Fed. of Bosnia

n/a = not available

Table 16. AIDS cases with TB as initial AIDS-indicative disease, by year of diagnosis, WHO European Region, 1997-2003*

Geographic area Country	Year of diagnosis						
	1997	1998	1999	2000	2001	2002	2003
EU & West							
Austria	19	16	8	6	15	17	10
Belgium	34	30	30	46	43	52	49
Cyprus	-	-	-	-	-	-	-
Czech Republic	0	1	1	1	0	0	0
Denmark	12	5	9	11	16	10	11
Estonia	0	1	1	0	1	2	7
Finland	2	1	1	3	3	9	3
France	299	279	286	295	315	341	319
Germany	97	88	69	65	61	58	54
Greece	17	18	22	22	15	7	23
Hungary	3	4	8	3	0	1	3
Ireland	1	1	1	0	2	7	3
Italy	310	236	208	171	178	168	171
Latvia	0	2	9	10	23	23	31
Lithuania	0	0	1	1	3	1	2
Luxembourg	1	1	0	1	1	0	0
Malta	0	0	0	0	0	0	0
Netherlands	44	23	25	-	-	-	-
Poland	21	25	17	27	32	26	28
Portugal	524	552	560	519	472	460	373
Slovakia	0	0	0	0	0	0	0
Slovenia	1	1	2	2	1	1	1
Spain	1 711	1 219	1 020	895	725	644	675
Sweden	8	12	14	9	7	11	5
United Kingdom	125	117	100	151	183	254	279
Subtotal EU	3 229	2 632	2 392	2 238	2 096	2 091	2 046
Andorra	-	-	-	-	-	-	-
Iceland	0	0	0	0	0	0	1
Israel	15	25	13	31	27	29	37
Monaco	0	0	0	0	0	0	0
Norway	2	8	2	9	6	10	12
San Marino	0	0	0	0	0	0	0 †
Switzerland	36	31	34	21	25	24	14
Total EU & West	3 282	2 696	2 441	2 299	2 155	2 154	2 109
Centre							
Albania	0	0	0	0	0	0	0
Bosnia & Herzegovina	2	1	3	2	0	1	2
Bulgaria	2	2	5	9	5	3	2 †
Croatia	1	4	4	0	2	6	0
Macedonia, F.Y.R.	0	0	0	0	0	0	0
Romania	47	51	70	75	87	74	38 ‡
Serbia & Montenegro	14	14	9	11	8	9	12
Turkey	6	9	2	9	9	13	14
Total Centre	72	81	93	106	111	106	68
East							
Armenia	1	1	2	1	0	2	6
Azerbaijan	0	2	4	8	10	12	16
Belarus	1	1	0	0	1	7	11
Georgia	0	0	2	7	5	24	16
Kazakhstan	5	6	3	7	15	24	58
Kyrgyzstan	0	0	1	0	1	9	5
Moldova, Republic of	4	1	1	0	7	2	31
Russian Federation	6	16	9	5	-	-	-
Tajikistan	0	0	0	0	1	0	0
Turkmenistan	0	0	0	0	0	1	0
Ukraine	80	172	435	532	266	434	1 079
Uzbekistan	0	0	0	1	4	0	5 †
Total East	97	199	457	561	310	515	1 227
Total WHO European Region	3 451	2 976	2 991	2 966	2 576	2 775	3 405

* Source: EuroHIV, European Non Aggregate AIDS Data Set, update December 2004; data adjusted for reporting delays, methodology described in EuroHIV reports

† Incomplete 2003 data (cases reported from January to June)

‡ Incomplete information on AIDS-indicative diseases in 2003

Table 17. Multidrug resistance by previous anti-TB treatment history, WHO European Region, latest available year

Geographic area Country	Source of data / coverage *	Year	Cases never treated			Cases previously treated		
			Cases with DST result	Multidrug resistant		Cases with DST result	Multidrug resistant	
				N	(%)		N	(%)
Group A) Culture and DST done routinely; complete DST results for all / nationwide sample of TB cases								
EU & West								
Austria	TB case notification	2003	554	8	(1.4)	14	1	(7.1)
Belgium †	TB case notification	2003	513	3	(0.6)	65	1	(1.5)
Czech Republic	TB case notification	2003	605	1	(0.2)	19	1	(5.3)
Denmark	TB case notification	2003	282	0	(0.0)	16	0	(0.0)
Estonia	TB case notification	2003	361	51	(14.1)	103	55	(53.4)
Finland	TB case notification	2003	268	2	(0.7)	20	1	(5.0)
Germany †	TB case notification	2003	2 919	35	(1.2)	308	32	(10.4)
Latvia	TB case notification	2003	962	80	(8.3)	226	96	(42.5)
Lithuania	TB case notification	2003	955	86	(9.0)	432	221	(51.2)
Luxembourg	TB case notification	2003	53	1	(1.9)	0	0	-
Netherlands	TB case notification	2003	518	6	(1.2)	22	2	(9.1)
Poland	Survey	2001	3 037	35	(1.2)	668	57	(8.5)
Slovenia	TB case notification	2003	226	1	(0.4)	31	0	(0.0)
Sweden	TB case notification	2003	322	6	(1.9)	24	1	(4.2)
United Kingdom ‡	TB case notification	2003	2 706	28	(1.0)	76	3	(3.9)
Iceland	TB case notification	2003	4	1	(25.0)	0	0	-
Israel	TB case notification	2003	296	16	(5.4)	20	4	(20.0)
Norway	TB case notification	2003	220	0	(0.0)	10	2	(20.0)
Switzerland	TB case notification	2003	336	8	(2.4)	36	2	(5.6)
Centre								
Bosnia & Herzegovina §	TB case notification	2003	951	1	(0.1)	91	1	(1.1)
Croatia	TB case notification	2003	733	4	(0.5)	105	4	(3.8)
East								
Kazakhstan	Survey	2001	359	51	(14.2)	319	180	(56.4)
Group B) Culture or DST not routinely performed; DST results incomplete (selected cases / areas)								
EU & West								
Cyprus †	TB case notification	2003	13	2	(0.0)	0	0	-
France	Sentinel hospital network	2003	1 485	13	(0.9)	118	9	(7.6)
Greece	NRL and one other lab	2003	605	22	(3.6)	-	-	-
Hungary	TB case notification	2003	473	8	(1.7)	96	15	(15.6)
Ireland †	TB case notification	2003	94	1	(1.1)	11	0	(0.0)
Italy	Selected labs	2003	390	11	(2.8)	76	24	(31.6)
Malta †	TB case notification	2003	2	0	(0.0)	0	0	-
Portugal	TB case notification	2003	892	12	(1.3)	116	5	(4.3)
Slovakia	TB case notification	2003	350	4	(1.1)	52	2	(3.8)
Spain	NRL	2003	1 236	14	(1.1)	138	10	(7.2)
	Survey, Barcelona	2001	133	1	(0.8)	32	4	(12.5)
	Survey, Galicia	2001-2002	360	5	(1.4)	40	3	(7.5)
Andorra	TB case notification	2003	2	0	(0.0)	0	0	-
Centre								
Albania	TB case notification	2003	206	2	(1.0)	15	1	(6.7)
Bulgaria	TB case notification	2003	452	18	(4.0)	341	26	(7.6)
Macedonia, FYR	TB case notification	2003	106	0	(0.0)	24	3	(12.5)
Romania	TB case notification	2001	2 386	107	(4.5)	664	91	(13.7)
Serbia & Montenegro	TB case notification, Belgrade	2003	292	3	(1.0)	42	0	(0.0)
East								
Armenia	NRL (coverage unknown)	2003	335	37	(11.0)	138	69	(50.0)
Azerbaijan	All labs doing DST	2003	600	8	(1.3)	-	-	-
Belarus	TB case notification (MoH)	2000	2 060	220	(10.7)	-	-	-
Georgia	All labs doing DST, Tbilisi	2001	256	19	(7.4)	168	86	(51.2)
Kazakhstan	All labs doing DST	2003	8 723	1 090	(12.5)	6 755	2 493	(36.9)
Kyrgyzstan	NRL (coverage unknown)	2003	560	68	(12.1)	110	49	(44.5)
Moldova, Rep. of	All labs doing DST	2002	959	126	(13.1)	321	77	(24.0)
Russian Federation	TB case notification (MoH)	1999	36 217	2 429	(6.7)	-	-	-
	Survey, Orel	2002	379	10	(2.6)	210	89	(42.4)
	Survey, Tomsk	2002	533	73	(13.7)	117	51	(43.6)
Turkmenistan	Survey, Dashoguz Velayat	2001-2002	105	4	(3.8)	98	18	(18.4)
Ukraine	One lab, Kiev	1999	245	19	(7.8)	239	67	(28.0)
Uzbekistan	Survey, Karakalpakstan	2001-2002	106	14	(13.2)	107	43	(40.2)

* Nationwide unless otherwise specified

† Cases classified according to TB history (see technical note)

‡ Excluding Scotland

§ Federation of Bosnia

|| Source: WHO report Anti-TB drug resistance in the world, N° 3, 2004. WHO/HTM/TB/2004.343

NRL = National Reference Laboratory; MoH = Ministry of Health

Table 18. Laboratory practices and quality assurance for anti-TB Drug Susceptibility Testing (DST), WHO European Region, 2003

Geographic area Country	No. labs performing:		DST methods					External quality assurance for DST						
	Culture	DST	non-					National *		International				
			radiometric proportion	radiometric proportion	resistance ratio	absolute concentr.	other	No. labs	Year	% agreement of results for:				
										INH	RMP			
EU & West														
Austria	11	9	•	-	-	-	-	no	-	yes	2003	100	100	
Belgium	158	-20	•	•	-	-	•	yes	14	yes	2003	100	90	
Cyprus	2	0 †	-	-	-	-	-	-	-	-	-	-	-	
Czech Republic	46	14	•	-	-	-	•	yes	14	yes	2004	100	100	
Denmark	1	1	-	•	-	-	-	-	-	yes	2004	95	100	
Estonia	3	2	•	-	-	-	-	yes	2	yes	2002	n/a	n/a	
Finland	15	2	•	-	-	-	•	no	-	yes	2004	95	100	
France	320	120	•	•	-	-	•	yes	28	yes	2003	-	-	
Germany	200	70	•	•	-	-	•	yes	70	yes	2003	100	100	
Greece	25-30	4-5	•	-	-	-	-	no	-	no	-	-	-	
Hungary	20	13	•	-	-	-	•	no	-	yes	2003	100	95	
Ireland	13	4	-	•	-	-	•	no	-	yes	2003	100	80	
Italy	>200	>200	•	•	•	•	•	yes	20	yes	2004	100	100	
Latvia	8	1	-	•	-	-	•	-	-	yes	2003	89	100	
Lithuania	5	5	•	•	-	-	-	yes	5	yes	2004	95	100	
Luxembourg	1	1	•	•	-	-	-	-	-	no	-	-	-	
Malta	1	0 ‡	-	-	-	-	-	-	-	-	-	-	-	
Netherlands	43	n/a	•	-	-	-	•	no	-	yes	2003	100	100	
Portugal	60	14	•	•	-	-	-	no	-	yes	2003	100	100	
Slovakia	15	6	•	-	-	-	-	yes	6	yes	2003	100	100	
Slovenia	6	1	•	-	-	-	•	-	-	yes	2003	100	100	
Spain	200	n/a	•	•	-	-	-	n/a	-	yes	2003	100	100	
Sweden	5	5	-	•	-	-	•	yes	5	yes	2003	95	100	
United Kingdom	250	7	•	-	•	-	-	yes	7	yes	2004	100	100	
Andorra	1	0 §	-	-	-	-	-	-	-	-	-	-	-	
Iceland	1	0	-	-	-	-	-	-	-	-	-	-	-	
Israel	18	2	-	-	•	-	•	yes	2	yes	2003	100	89	
Norway	12	4	-	•	-	-	•	no	-	yes	2002	100	100	
Switzerland	30	12	-	•	-	-	-	yes	12	yes	2003	100	100	
Centre														
Albania	3	1	•	-	-	-	-	no	-	no	-	-	-	
Bosnia & Herzegovina ¶	5	5	•	•	-	-	-	yes	5	yes	2003	n/a	n/a	
Bulgaria	28	15	•	•	-	-	-	no	-	no	-	-	-	
Croatia	16	11	•	-	-	-	•	yes	10	yes	2004	100	100	
Macedonia, FYR of	3	1	•	-	-	-	-	no	-	no	-	-	-	
Romania	122	66	-	-	-	-	•	yes	-	yes	2004	100	99	
Serbia & Montenegro	34	12	•	-	-	-	-	yes	5	yes	2003	100	100	
East														
Armenia	1	1	•	-	-	-	-	no	-	yes	2003	100	100	
Azerbaijan	12	12	-	-	-	-	•	no	-	no	-	-	-	
Kazakhstan	21	21	-	-	-	-	•	yes	21	no	-	-	-	
Kyrgyzstan	5	1	-	-	-	-	•	no	-	yes	2003	100	100	

* For countries with more than one laboratory performing DST

† DST done in Germany

‡ DST done in the United Kingdom

§ DST done in Spain

|| DST done in Denmark

¶| Excluding Rep. Srpska

n/a = not available

INH = isoniazid; RMP = rifampicin

Table 19. Characteristics of Drug Resistance Surveillance (DRS), WHO European Region, 2003

Geographic area Country	Routine use of culture	Source of data	Geographic coverage	Culture confirmed cases (%) *	Cases included		
					Total culture positive	DST result (INH & RMP)	
						N	(%)
Group A) Culture and DST done routinely; complete DST results for all / nationwide sample of TB cases							
EU & West							
Austria	yes	TB case notif	national	64%	631	596	(94)
Belgium	yes	TB case notif	national	78%	878	805	(92)
Czech Republic	yes	TB case notif	national	65%	749	624	(83)
Denmark	yes	TB case notif	national	76%	298	298	(100)
Estonia	yes	TB case notif	national	75%	466	464	(100)
Finland	yes	TB case notif	national	84%	347	340	(98)
Germany	yes	TB case notif	national	65%	4 657	4 366	(94)
Latvia	yes	TB case notif	national	73%	1 263	1 188	(94)
Lithuania	yes	TB case notif	national	60%	1 680	1 398	(83)
Luxembourg	yes	TB case notif	national	100%	54	54	(100)
Netherlands	yes	TB case notif	national	57%	756	619	(82)
Slovenia	yes	TB case notif	national	88%	259	257	(99)
Sweden	yes	TB case notif	national	85%	349	347	(99)
United Kingdom	yes	TB case notif	national †	60%	4 084	3 758	(92)
Iceland	yes	TB case notif	national	80%	4	4	(100)
Israel	yes	TB case notif	national	60%	316	316	(100)
Norway	yes	TB case notif	national	81%	273	272	(100)
Switzerland	yes	TB case notif	national	78%	483	481	(100)
Centre							
Bosnia & Herzegovina	yes	TB case notif	national ‡	59%	1 042	1 042	(100)
Croatia	yes	TB case notif	national	56%	838	838	(100)
Group B) Culture or DST not routinely performed; DST results incomplete (selected cases / areas)							
EU & West							
Cyprus	yes	TB case notif	national	66%	23	13	(57)
France	yes	Lab. network	national	-	1 751	1 727	(99)
Greece	no	NRL & one other lab.	partial	-	605	605	(100)
Hungary	yes	TB case notif	national	33%	901	578	(64)
Ireland	yes	TB case notif	national	43%	183	134	(73)
Italy	yes	Lab. network	national	-	788	788	(100)
Malta	yes	TB case notif	national	43%	3	2	(67)
Portugal	yes	TB case notif	national	49%	2 016	1 008	(50)
Slovakia	yes	TB case notif	national	41%	406	406	(100)
Spain	yes	NRL	partial	-	1 888	1 786	(95)
Andorra	yes	TB case notif	national	55%	6	2	(33)
Centre							
Albania	no	TB case notif	national	42%	237	221	(93)
Bulgaria	no	All labs doing DST	partial	42%	793	793	(100)
Macedonia, FYR	no	TB case notif	national	13%	145	145	(100)
Serbia & Montenegro	no	TB case notif	Belgrade region	63%	334	334	(100)
East							
Armenia	no	NRL	partial	-	587	514	(88)
Azerbaijan	no	all labs doing DST	national	-	600	600	(100)
Kazakhstan	no	all labs doing DST	national	-	-	15 478	-
Kyrgyzstan	no	NRL	partial	-	670	670	(100)

* In areas included in DRS

† Excluding Scotland

‡ Excluding Rep. Srpska

NRL = National Reference Laboratory

Table 20. Drug resistance, all tuberculosis cases (combined resistance), WHO European Region, 2003

Geographic area Country	Cases with DST results	Cases resistant to at least:									
		Isoniazid (INH)		Rifampicin (RMP)		INH & RMP (MDR)		Ethambutol *		Streptomycin *	
		N	(%)	N	(%)	N	(%)	N	(%)	N	(%)
Group A) Culture and DST done routinely; complete DST results for all / nationwide sample of TB cases											
EU & West											
Austria	596	36	(6.0)	16	(2.7)	12	(2.0)	10	(1.7)	31	(5.2)
Belgium	805	60	(7.5)	10	(1.2)	9	(1.1)	14	(1.7)	-	-
Czech Republic	624	25	(4.0)	3	(0.5)	2	(0.3)	3	(0.5)	17	(2.7)
Denmark	298	18	(6.0)	0	(0.0)	0	(0.0)	2	(0.7)	-	-
Estonia	464	152	(32.8)	106	(22.8)	106	(22.8)	104	(22.4)	154	(33.2)
Finland	340	10	(2.9)	3	(0.9)	3	(0.9)	5	(1.5)	9	(2.6)
Germany	4 366	341	(7.8)	106	(2.4)	92	(2.1)	76	(1.7)	334	(7.7)
Latvia	1 188	374	(31.5)	176	(14.8)	176	(14.8)	123	(10.4)	341	(28.7)
Lithuania	1 398	508	(36.3)	318	(22.7)	312	(22.3)	192	(13.7)	441	(31.5)
Luxembourg	54	3	(5.6)	1	(1.9)	1	(1.9)	2	(3.7)	4	(7.4)
Netherlands	619	45	(7.3)	9	(1.5)	8	(1.3)	4	(0.6)	29	(4.7)
Slovenia	257	3	(1.2)	1	(0.4)	1	(0.4)	1	(0.4)	9	(3.5)
Sweden	347	25	(7.2)	9	(2.6)	7	(2.0)	4	(1.2)	21	(6.1)
United Kingdom †	3 758	271	(7.2)	67	(1.8)	49	(1.3)	19	(0.5)	-	-
Iceland	4	1	(25.0)	1	(25.0)	1	(25.0)	0	(0.0)	-	-
Israel	316	56	(17.7)	22	(7.0)	20	(6.3)	11	(3.5)	50	(15.8)
Norway	272	23	(8.5)	5	(1.8)	3	(1.1)	2	(0.7)	35	(12.9)
Switzerland	481	38	(7.9)	12	(2.5)	12	(2.5)	6	(1.2)	-	-
Centre											
Bosnia & Herzegovina ‡	1 042	18	(1.7)	11	(1.1)	2	(0.2)	-	-	-	-
Croatia	838	26	(3.1)	12	(1.4)	8	(1.0)	4	(0.5)	21	(2.5)
Group B) Culture or DST not routinely performed; DST results incomplete (selected cases / areas)											
EU & West											
Cyprus	13	2	(15.4)	2	(15.4)	2	(15.4)	1	(7.7)	2	(15.4)
France	1 727	109	(6.3)	31	(1.8)	25	(1.4)	13	(0.8)	114	(6.6)
Greece §	-	-	-	-	-	-	-	-	-	-	-
Hungary	578	61	(10.6)	28	(4.8)	23	(4.0)	31	(5.4)	50	(8.7)
Ireland	134	7	(5.2)	1	(0.7)	1	(0.7)	2	(1.5)	-	-
Italy	788	78	(9.9)	48	(6.1)	42	(5.3)	19	(2.4)	75	(9.5)
Malta	2	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)
Portugal	1 008	59	(5.9)	17	(1.7)	17	(1.7)	14	(1.4)	92	(9.1)
Slovakia	406	23	(5.7)	8	(2.0)	6	(1.5)	0	(0.0)	9	(2.2)
Spain	1 786	111	(6.2)	60	(3.4)	47	(2.6)	11	(0.6)	43	(2.4)
Andorra	2	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)
Centre											
Albania	221	11	(5.0)	8	(3.6)	3	(1.4)	1	(0.5)	14	(6.3)
Bulgaria	793	116	(14.6)	85	(10.7)	44	(5.5)	97	(12.2)	80	(10.1)
Macedonia, FYR	145	8	(5.5)	6	(4.1)	3	(2.1)	0	(0.0)	10	(6.9)
Serbia & Montenegro	334	4	(1.2)	3	(0.9)	3	(0.9)	3	(0.9)	22	(6.6)
East											
Armenia	514	220	(42.8)	125	(24.3)	117	(22.8)	-	-	-	-
Azerbaijan §	-	-	-	-	-	-	-	-	-	-	-
Kazakhstan	15 478	7 138	(46.1)	4 033	(26.1)	3 583	(23.1)	4 284	(27.7)	7 578	(49.0)
Kyrgyzstan	670	278	(41.5)	131	(19.6)	117	(17.5)	-	-	-	-

* Data presented if DST results were available for > 90% of cases tested for INH and RMP

† Excluding Scotland

‡ Excluding Rep. Srpska

§ New cases only (not shown)

Table 21. Drug resistance, tuberculosis cases never treated (primary resistance), WHO European Region, 2003

Geographic area Country	Cases with DST result	Cases resistant to at least:									
		Isoniazid (INH)		Rifampicin (RMP)		INH & RMP (multidrug resistant)		Ethambutol *		Streptomycin *	
		N	(%)	N	(%)	N	(%)	N	(%)	N	(%)
Group A) Culture and DST done routinely; complete DST results for all / nationwide sample of TB cases											
EU & West											
Austria	554	28	(5.1)	10	(1.8)	8	(1.4)	8	(1.4)	25	(4.5)
Belgium †	513	34	(6.6)	3	(0.6)	3	(0.6)	7	(1.4)	-	-
Czech Republic	605	23	(3.8)	2	(0.3)	1	(0.2)	2	(0.3)	16	(2.6)
Denmark	282	18	(6.4)	0	(0.0)	0	(0.0)	2	(0.7)	-	-
Estonia	361	88	(24.4)	51	(14.1)	51	(14.1)	48	(13.3)	93	(25.8)
Finland	268	8	(3.0)	2	(0.7)	2	(0.7)	4	(1.5)	5	(1.9)
Germany †	2 919	195	(6.7)	45	(1.5)	35	(1.2)	30	(1.0)	196	(6.7)
Latvia	962	235	(24.4)	80	(8.3)	80	(8.3)	57	(5.9)	214	(22.2)
Lithuania	955	225	(23.6)	87	(9.1)	86	(9.0)	47	(4.9)	185	(19.4)
Luxembourg	53	3	(5.7)	1	(1.9)	1	(1.9)	2	(3.8)	4	(7.5)
Netherlands	518	38	(7.3)	7	(1.4)	6	(1.2)	4	(0.8)	24	(4.6)
Slovenia	226	2	(0.9)	1	(0.4)	1	(0.4)	1	(0.4)	8	(3.5)
Sweden	322	23	(7.1)	7	(2.2)	6	(1.9)	4	(1.2)	20	(6.2)
United Kingdom ‡	2 706	190	(7.0)	41	(1.5)	28	(1.0)	12	(0.4)	-	-
Iceland	4	1	(25.0)	1	(25.0)	1	(25.0)	0	(0.0)	-	-
Israel	296	48	(16.2)	17	(5.7)	16	(5.4)	7	(2.4)	45	(15.2)
Norway	220	15	(6.8)	1	(0.5)	0	(0.0)	1	(0.5)	28	(12.7)
Switzerland	336	24	(7.1)	8	(2.4)	8	(2.4)	3	(0.9)	-	-
Centre											
Bosnia & Herzegovina §	951	8	(0.8)	5	(0.5)	1	(0.1)	-	-	-	-
Croatia	733	19	(2.6)	7	(1.0)	4	(0.5)	2	(0.3)	14	(1.9)
Group B) Culture or DST not routinely performed; DST results incomplete (selected cases / areas)											
EU & West											
Cyprus †	13	2	(0.0)	2	(0.0)	2	(0.0)	1	(0.0)	2	(15.4)
France	1 485	80	(5.4)	15	(1.0)	13	(0.9)	11	(0.7)	95	(6.4)
Greece	605	80	(13.2)	32	(5.3)	22	(3.6)	18	(3.0)	71	(11.7)
Hungary	473	36	(7.6)	11	(2.3)	8	(1.7)	16	(3.4)	30	(6.3)
Ireland †	94	3	(3.2)	1	(1.1)	1	(1.1)	2	(2.1)	-	-
Italy	390	32	(8.2)	14	(3.6)	11	(2.8)	2	(0.5)	41	(10.5)
Malta †	2	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)
Portugal	892	46	(5.2)	12	(1.3)	12	(1.3)	13	(1.5)	77	(8.6)
Slovakia	350	17	(4.9)	5	(1.4)	4	(1.1)	0	(0.0)	6	(1.7)
Spain	1 236	50	(4.0)	21	(1.7)	14	(1.1)	2	(0.2)	24	(1.9)
Andorra	2	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)
Centre											
Albania	206	10	(4.9)	6	(2.9)	2	(1.0)	1	(0.5)	13	(6.3)
Bulgaria	452	67	(14.8)	46	(10.2)	18	(4.0)	58	(12.8)	51	(11.3)
Macedonia, FYR	106	3	(2.8)	1	(0.9)	0	(0.0)	0	(0.0)	8	(7.5)
Serbia & Montenegro	292	3	(1.0)	3	(1.0)	3	(1.0)	3	(1.0)	19	(6.5)
East											
Armenia	335	91	(27.2)	40	(11.9)	37	(11.0)	-	-	-	-
Azerbaijan	600	37	(6.2)	35	(5.8)	8	(1.3)	26	(4.3)	113	(18.8)
Kazakhstan	8 723	2 931	(33.6)	1 318	(15.1)	1 090	(12.5)	1 613	(18.5)	3 272	(37.5)
Kyrgyzstan	560	201	(35.9)	77	(13.8)	68	(12.1)	50	(8.9)	274	(48.9)

* Data presented if DST results were available for > 90% of cases tested for INH and RMP

† Information on previous TB treatment history not available or incomplete; classified according to TB history (See technical note)

‡ Excluding Scotland

§ Excluding Rep. Srpska

Table 22. Drug resistance, tuberculosis cases previously treated (acquired resistance), WHO European Region, 2003

Geographic area Country	Cases with DST results	Cases resistant to at least:									
		Isoniazid (INH)		Rifampicin (RMP)		INH & RMP (multidrug resistant)		Ethambutol *		Streptomycin *	
		N	(%)	N	(%)	N	(%)	N	(%)	N	(%)
Group A) Culture and DST done routinely; complete DST results for all / nationwide sample of TB cases											
EU & West											
Austria	14	4	(28.6)	3	(21.4)	1	(7.1)	0	(0.0)	1	(7.1)
Belgium †	65	5	(7.7)	1	(1.5)	1	(1.5)	2	(3.1)	-	-
Czech Republic	19	2	(10.5)	1	(5.3)	1	(5.3)	1	(5.3)	1	(5.3)
Denmark	16	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	-	-
Estonia	103	64	(62.1)	55	(53.4)	55	(53.4)	56	(54.4)	61	(59.2)
Finland	20	2	(10.0)	1	(5.0)	1	(5.0)	1	(5.0)	4	(20.0)
Germany †	308	61	(19.8)	36	(11.7)	32	(10.4)	18	(5.8)	49	(15.9)
Latvia	226	139	(61.5)	96	(42.5)	96	(42.5)	66	(29.2)	127	(56.2)
Lithuania	432	277	(64.1)	226	(52.3)	221	(51.2)	142	(32.9)	250	(57.9)
Luxembourg	0	0	-	0	-	0	-	0	-	0	-
Netherlands	22	3	(13.6)	2	(9.1)	2	(9.1)	0	(0.0)	1	(4.5)
Slovenia	31	1	(3.2)	0	(0.0)	0	(0.0)	0	(0.0)	1	(3.2)
Sweden	24	2	(8.3)	2	(8.3)	1	(4.2)	0	(0.0)	1	(4.2)
United Kingdom ‡	76	7	(9.2)	4	(5.3)	3	(3.9)	2	(2.6)	-	-
Iceland	0	0	-	0	-	0	-	0	-	-	-
Israel	20	8	(40.0)	5	(25.0)	4	(20.0)	4	(20.0)	5	(25.0)
Norway	10	3	(30.0)	2	(20.0)	2	(20.0)	1	(10.0)	3	(30.0)
Switzerland	36	7	(19.4)	2	(5.6)	2	(5.6)	2	(5.6)	-	-
Centre											
Bosnia & Herzegovina §	91	10	(11.0)	6	(6.6)	1	(1.1)	-	-	-	-
Croatia	105	7	(6.7)	5	(4.8)	4	(3.8)	2	(1.9)	7	(6.7)
Group B) Culture or DST not routinely performed; DST results incomplete (selected cases / areas)											
EU & West											
Cyprus †	0	0	-	0	-	0	-	0	-	0	-
France	118	16	(13.6)	13	(11.0)	9	(7.6)	2	(1.7)	11	(9.3)
Greece	-	-	-	-	-	-	-	-	-	-	-
Hungary	96	24	(25.0)	17	(17.7)	15	(15.6)	15	(15.6)	20	(20.8)
Ireland †	11	1	(9.1)	0	(0.0)	0	(0.0)	0	(0.0)	-	-
Italy	76	27	(35.5)	26	(34.2)	24	(31.6)	16	(21.1)	19	(25.0)
Malta †	0	0	-	0	-	0	-	0	-	0	-
Portugal	116	13	(11.2)	5	(4.3)	5	(4.3)	1	(0.9)	15	(12.9)
Slovakia	52	6	(11.5)	3	(5.8)	2	(3.8)	0	(0.0)	3	(5.8)
Spain	138	20	(14.5)	12	(8.7)	10	(7.2)	2	(1.4)	6	(4.3)
Andorra	0	0	-	0	-	0	-	0	-	0	-
Centre											
Albania	15	1	(6.7)	2	(13.3)	1	(6.7)	0	(0.0)	1	(6.7)
Bulgaria	341	49	(14.4)	39	(11.4)	26	(7.6)	39	(11.4)	29	(8.5)
Macedonia, FYR	24	5	(20.8)	4	(16.7)	3	(12.5)	0	(0.0)	1	(4.2)
Serbia & Montenegro	42	1	(2.4)	0	(0.0)	0	(0.0)	0	(0.0)	3	(7.1)
East											
Armenia	138	100	(72.5)	72	(52.2)	69	(50.0)	44	(31.9)	104	(75.4)
Azerbaijan	-	-	-	-	-	-	-	-	-	-	-
Kazakhstan	6 755	4 207	(62.3)	2 715	(40.2)	2 493	(36.9)	2 671	(39.5)	4 306	(63.7)
Kyrgyzstan	110	77	(70.0)	54	(49.1)	49	(44.5)	-	-	-	-

* Data presented if DST results were available for > 90% of cases tested for INH and RMP

† Information on previous TB treatment history not available or incomplete; classified according to TB history (See technical note)

‡ Excluding Scotland

§ Excluding Rep. Srpska

Table 23. Resistance to isoniazid by previous anti-TB treatment history, WHO European Region, 1998-2003 *

Geographic area Country	1998		1999		2000		2001		2002		2003	
	Total †	Resistant to INH (%)	Total †	Resistant to INH (%)	Total †	Resistant to INH (%)	Total †	Resistant to INH (%)	Total †	Resistant to INH (%)	Total †	Resistant to INH (%)
A) Cases never treated (primary resistance)												
EU & West												
Austria	669	(3.0)	703	(4.3)	694	(2.9)	589	(3.3)	633	(2.5)	554	(5.1)
Belgium	-	-	-	-	562	(5.3)	562	(6.4)	632	(7.0)	513	(6.6)
Czech Republic	-	-	628	(1.6)	616	(3.4)	663	(3.2)	494	(3.6)	605	(3.8)
Denmark	412	(6.1)	392	(7.4)	392	(7.4)	356	(5.6)	283	(5.3)	282	(6.4)
Estonia	433	(25.4)	428	(27.3)	410	(22.9)	375	(24.0)	373	(25.0)	361	(24.4)
Finland	-	-	371	(0.5)	374	(2.7)	348	(3.4)	325	(3.1)	268	(3.0)
Germany	-	-	-	-	-	-	2 354	(5.3)	3 013	(7.2)	2 919	(6.7)
Latvia	789	(28.1)	825	(27.8)	897	(29.0)	911	(29.4)	953	(27.0)	962	(24.4)
Lithuania	1 181	(12.2)	819	(21.7)	701	(21.8)	972	(20.6)	925	(23.5)	955	(23.6)
Luxembourg	40	(7.5)	-	-	39	(5.1)	28	(3.6)	30	(0.0)	53	(5.7)
Netherlands	570	(3.1)	899	(5.8)	768	(5.6)	484	(5.0)	636	(2.8)	518	(6.8)
Slovenia	287	(0.7)	364	(2.3)	282	(2.1)	281	(3.2)	262	(1.9)	226	(0.9)
Sweden	335	(4.8)	377	(9.0)	322	(10.9)	338	(8.0)	308	(8.8)	322	(7.1)
United Kingdom ‡	2 515	(3.9)	2 138	(6.2)	2 312	(5.9)	2 494	(6.9)	2 748	(6.6)	2 706	(7.0)
Iceland	10	(0.0)	7	(0.0)	8	(0.0)	11	(9.1)	0	(0.0)	4	(25.0)
Israel	-	-	-	-	253	(25.7)	294	(18.0)	305	(13.1)	296	(16.2)
Norway	158	(7.0)	144	(7.6)	160	(13.1)	182	(8.2)	181	(11.1)	220	(6.8)
Switzerland	405	(5.4)	428	(5.6)	330	(5.5)	342	(4.4)	368	(3.5)	336	(7.1)
Centre												
Bosnia & Herzegovina	-	-	1 154	(0.6)	993	(0.5)	1 132	(0.0)	936	(0.7) §	951	(0.8) §
Croatia	-	-	761	(1.8)	780	(1.0)	713	(1.4)	747	(1.5)	733	(2.6)
B) Cases previously treated (acquired resistance)												
EU & West												
Austria	64	(6.8)	53	(13.2)	67	(3.0)	41	(12.2)	44	(6.8)	14	(28.6)
Belgium	-	-	-	-	78	(12.8)	74	(4.1)	58	(14.0)	65	(7.7)
Czech Republic	-	-	70	(8.6)	22	(9.1)	15	(6.7)	16	(12.5)	19	(10.5)
Denmark	32	(12.5)	24	(8.3)	33	(24.2)	24	(4.2)	24	(4.2)	16	(0.0)
Estonia	93	(49.5)	89	(53.9)	117	(54.7)	205	(62.0)	159	(54.1)	103	(62.1)
Finland	-	-	27	(3.7)	29	(13.8)	26	(11.5)	18	(0.0)	20	(10.0)
Germany	-	-	-	-	-	-	499	(15.2)	331	(18.7)	308	(19.8)
Latvia	224	(29.0)	190	(31.9)	247	(35.2)	187	(31.6)	289	(63.5)	226	(61.5)
Lithuania	288	(16.7)	167	(53.9)	220	(56.4)	480	(53.1)	418	(60.8)	432	(64.1)
Luxembourg	4	(0.0)	-	-	5	(0.0)	1	(0.0)	2	(0.0)	0	-
Netherlands	50	(8.0)	42	(7.1)	95	(8.4)	14	(0.0)	34	(8.8)	22	(13.6)
Slovenia	28	(3.6)	35	(5.7)	38	(7.9)	26	(11.5)	30	(20.0)	31	(3.2)
Sweden	30	(20.0)	31	(25.8)	42	(4.8)	21	(19.0)	46	(13.0)	24	(8.3)
United Kingdom ‡	238	(8.8)	220	(4.5)	237	(10.1)	209	(7.7)	259	(8.5)	76	(9.2)
Iceland	1	(0.0)	1	(0.0)	1	(0.0)	1	(0.0)	0	(0.0)	0	-
Israel	-	-	-	-	24	(37.5)	23	(47.8)	39	(41.0)	20	(40.0)
Norway	17	(17.6)	40	(0.0)	10	(0.0)	32	(9.4)	8	(25.0)	10	(30.0)
Switzerland	53	(15.1)	57	(21.1)	57	(3.5)	59	(6.8)	45	(26.7)	36	(19.4)
Centre												
Bosnia & Herzegovina	-	-	121	(5.0)	153	(3.3)	154	(1.3)	100	(2.0) §	91	(11.0) §
Croatia	-	-	93	(4.3)	99	(4.0)	93	(5.4)	97	(6.2)	105	(6.7)

* Countries in group A in 2003 (see Table 19 and technical note); for trends in other countries, see country profiles

† Cases with DST results for INH and RMP

‡ Excluding Scotland

§ Excluding Rep. Srpska (no data)

Table 24. Multidrug resistance by previous anti-TB treatment history, WHO European Region, 1998-2003 *

Geographic area Country	1998		1999		2000		2001		2002		2003	
	Total †	MDR	Total †	MDR	Total †	MDR	Total †	MDR	Total †	MDR	Total †	MDR
A) Cases never treated (primary resistance)												
EU & West												
Austria	669	(0.3)	703	(0.3)	694	(0.4)	589	(0.7)	633	(0.3)	554	(1.4)
Belgium	-	-	-	-	562	(1.2)	562	(2.3)	632	(2.4)	513	(0.6)
Czech Republic	-	-	628	(0.3)	616	(1.1)	663	(1.2)	494	(1.8)	605	(0.2)
Denmark	412	(0.5)	392	(0.0)	392	(0.3)	356	(0.0)	283	(0.4)	282	(0.0)
Estonia	433	(14.5)	428	(17.5)	410	(12.2)	375	(14.1)	374	(17.1)	361	(14.1)
Finland	-	-	371	(0.0)	374	(0.3)	348	(0.9)	325	(0.9)	268	(0.7)
Germany	-	-	-	-	-	-	2 354	(1.8)	3 013	(1.4)	2 919	(1.2)
Latvia	789	(9.0)	825	(10.4)	897	(9.3)	911	(10.9)	953	(9.5)	962	(8.3)
Lithuania	1 181	(4.7)	819	(7.8)	701	(8.7)	972	(7.7)	925	(9.1)	955	(9.0)
Luxembourg	40	(2.5)	-	-	39	(0.0)	28	(0.0)	30	(0.0)	53	(1.9)
Netherlands	570	(0.2)	899	(0.4)	768	(0.9)	484	(0.4)	636	(0.3)	518	(1.2)
Slovenia	287	(0.0)	364	(0.0)	282	(0.0)	281	(1.1)	262	(0.4)	226	(0.4)
Sweden	335	(0.6)	377	(0.8)	322	(1.2)	338	(0.6)	308	(1.3)	322	(1.9)
United Kingdom ‡	2 515	(0.3)	2 138	(0.5)	2 312	(0.9)	2 494	(0.8)	2 748	(0.7)	2 706	(1.0)
Iceland	10	(0.0)	7	(0.0)	8	(0.0)	11	(0.0)	6	(0.0)	4	(25.0)
Israel	-	-	-	-	253	(14.2)	294	(5.8)	305	(2.0)	296	(5.4)
Norway	158	(0.6)	144	(2.1)	160	(1.9)	182	(1.1)	181	(3.9)	220	(0.0)
Switzerland	405	(0.5)	428	(0.7)	330	(0.0)	342	(0.9)	368	(0.8)	336	(2.4)
Centre												
Bosnia & Herzegovina	-	-	1 154	(0.3)	993	(0.1)	1 132	(0.0)	936	(0.4) §	951	(0.1) §
Croatia	-	-	761	(0.3)	780	(0.1)	713	(0.3)	747	(0.5)	733	(0.5)
B) Cases previously treated (acquired resistance)												
EU & West												
Austria	64	(4.7)	53	(5.7)	67	(1.5)	41	(2.4)	44	(2.3)	14	(7.1)
Belgium	-	-	-	-	78	(5.1)	74	(1.4)	58	(6.9)	65	(1.5)
Czech Republic	-	-	70	(2.9)	22	(9.1)	15	(6.7)	16	(6.3)	19	(5.3)
Denmark	32	(3.1)	24	(0.0)	33	(3.0)	24	(0.0)	24	(0.0)	16	(0.0)
Estonia	93	(36.6)	89	(48.3)	117	(45.3)	205	(51.2)	159	(47.2)	103	(53.4)
Finland	-	-	27	(0.0)	29	(3.4)	26	(3.8)	18	(0.0)	20	(5.0)
Germany	-	-	-	-	-	-	499	(7.4)	331	(8.8)	308	(10.4)
Latvia	224	(23.7)	190	(26.8)	247	(27.1)	187	(27.3)	289	(46.9)	226	(42.5)
Lithuania	288	(10.8)	167	(42.5)	220	(43.2)	480	(39.8)	418	(51.0)	432	(51.2)
Luxembourg	4	(0.0)	-	-	5	(0.0)	1	(0.0)	2	(0.0)	0	-
Netherlands	50	(6.0)	42	(0.0)	95	(1.1)	14	(0.0)	34	(0.0)	22	(9.1)
Slovenia	28	(0.0)	35	(5.7)	38	(0.0)	26	(0.0)	30	(3.3)	31	(0.0)
Sweden	30	(10.0)	31	(12.9)	42	(2.4)	21	(9.5)	46	(0.0)	24	(4.2)
United Kingdom ‡	238	(3.8)	220	(2.7)	237	(4.2)	209	(2.4)	259	(2.3)	76	(3.9)
Iceland	1	(0.0)	1	(0.0)	1	(0.0)	1	(0.0)	0	-	0	-
Israel	-	-	-	-	24	(20.8)	23	(21.7)	39	(28.2)	20	(20.0)
Norway	17	(5.9)	40	(0.0)	10	(0.0)	32	(9.4)	8	(0.0)	10	(20.0)
Switzerland	53	(1.9)	57	(10.5)	57	(1.8)	59	(3.4)	45	(15.6)	36	(5.6)
Centre												
Bosnia & Herzegovina	-	-	121	(2.5)	153	(2.0)	154	(1.3)	100	(9.0) §	91	(1.1) §
Croatia	-	-	93	(3.2)	99	(1.0)	93	(3.2)	97	(2.1)	105	(3.8)

* Countries in group A in 2003 (see Table 19 and technical note); for trends in other countries, see country profiles

† Cases with DST results for INH and RMP

‡ Excluding Scotland

§ Excluding Rep. Srpska

Table 25. Combined drug resistance, tuberculosis cases in nationals, WHO European Region, 2003

Geographic area Country	Classification	Cases with DST results	Cases resistant to at least:									
			Isoniazid (INH)		Rifampicin (RMP)		INH & RMP (multidrug resistant)		Ethambutol *		Streptomycin *	
			N	(%)	N	(%)	N	(%)	N	(%)	N	(%)
Group A) Culture and DST done routinely; complete DST results for all/nationwide sample of TB cases												
EU & West												
Austria	citizenship	393	13	(3.3)	4	(1.0)	2	(0.5)	3	(0.8)	11	(2.8)
Belgium	citizenship	370	17	(4.6)	2	(0.5)	2	(0.5)	5	(1.4)	-	-
Czech Republic	birthplace	577	15	(2.6)	2	(0.3)	1	(0.2)	3	(0.5)	10	(1.7)
Denmark †	birthplace	126	6	(4.8)	0	(0.0)	0	(0.0)	1	(0.8)	-	-
Estonia	birthplace	369	120	(32.5)	82	(22.2)	82	(22.2)	81	(22.0)	118	(32.0)
Finland	birthplace	291	4	(1.4)	1	(0.3)	1	(0.3)	2	(0.7)	3	(1.0)
Germany	birthplace	2 303	85	(3.7)	20	(0.9)	12	(0.5)	13	(0.6)	76	(3.3)
Latvia	birthplace	1 116	354	(31.7)	164	(14.7)	164	(14.7)	116	(10.4)	320	(28.7)
Lithuania	birthplace	1 324	469	(35.4)	291	(22.0)	285	(21.5)	176	(13.3)	404	(30.5)
Luxembourg	birthplace	13	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)
Netherlands	citizenship	250	12	(4.8)	3	(1.2)	3	(1.2)	1	(0.4)	9	(3.6)
Slovenia	birthplace	219	2	(0.9)	1	(0.5)	1	(0.5)	1	(0.5)	7	(3.2)
Sweden	birthplace	89	1	(1.1)	2	(2.2)	1	(1.1)	0	(0.0)	1	(1.1)
United Kingdom ‡	birthplace	933	48	(5.1)	12	(1.3)	6	(0.6)	4	(0.4)	-	-
Iceland	birthplace	2	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	-	-
Israel	birthplace	40	5	(12.5)	1	(2.5)	1	(2.5)	0	(0.0)	3	(7.5)
Norway	birthplace	46	2	(4.3)	0	(0.0)	0	(0.0)	0	(0.0)	1	(2.2)
Switzerland	birthplace	123	4	(3.3)	0	(0.0)	0	(0.0)	0	(0.0)	-	-
Centre												
Bosnia & Herzegovina §	birthplace	1 042	18	(1.7)	11	(1.1)	2	(0.2)	-	-	-	-
Croatia	birthplace	571	18	(3.2)	8	(1.4)	5	(0.9)	3	(0.5)	16	(2.8)
Group B) Culture or DST not routinely performed; DST results incomplete (selected cases / areas)												
EU & West												
Cyprus	citizenship	4	1	(25.0)	1	(25.0)	1	(25.0)	0	(0.0)	1	(25.0)
France	birthplace	726	35	(4.8)	8	(1.1)	6	(0.8)	3	(0.4)	42	(5.8)
Hungary	birthplace	565	60	(10.6)	27	(4.8)	22	(3.9)	31	(5.5)	48	(8.5)
Ireland	birthplace	97	4	(4.1)	0	(0.0)	0	(0.0)	1	(1.0)	-	-
Italy	birthplace	396	31	(7.8)	22	(5.6)	20	(5.1)	11	(2.8)	36	(9.1)
Malta	citizenship	1	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)
Portugal	birthplace	859	46	(5.4)	12	(1.4)	12	(1.4)	11	(1.3)	72	(8.4)
Slovakia	birthplace	401	22	(5.5)	7	(1.7)	5	(1.2)	0	(0.0)	8	(2.0)
Spain	birthplace	1 508	75	(5.0)	37	(2.5)	28	(1.9)	8	(0.5)	27	(1.8)
Andorra	citizenship	1	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)
Centre												
Albania	-	220	10	(4.5)	7	(3.2)	2	(0.9)	1	(0.5)	14	(6.4)
Bulgaria	citizenship	793	116	(14.6)	85	(10.7)	44	(5.5)	97	(12.2)	80	(10.1)
Macedonia, FYR	-	0	0	-	0	-	0	-	0	-	0	-
Serbia & Montenegro	-	334	4	(1.2)	3	(0.9)	3	(0.9)	3	(0.9)	22	(6.6)
East												
Armenia	birthplace	514	220	(42.8)	125	(24.3)	117	(22.8)	-	-	-	-
Azerbaijan	citizenship	600	37	(6.2)	35	(5.8)	8	(1.3)	26	(4.3)	113	(18.8)
Kazakhstan	-	-	-	-	-	-	-	-	-	-	-	-
Kyrgyzstan	citizenship	670	278	(41.5)	131	(19.6)	117	(17.5)	78	(11.6)	355	(53.0)

* Data presented if DST results were available for > 90% of cases tested for INH and RMP

† By birthplace of parents for Danish born cases < 26 years of age

‡ Excluding Scotland

§ Excluding Rep. Srpska

Table 26. Combined drug resistance, tuberculosis cases in persons of foreign origin, WHO European Region, 2003

Geographic area Country	Classification	Cases with DST results	Cases resistant to at least:									
			Isoniazid (INH)		Rifampicin (RMP)		INH & RMP (multidrug resistant)		Ethambutol *		Streptomycin *	
			N	(%)	N	(%)	N	(%)	N	(%)	N	(%)
Group A) Culture and DST done routinely; complete DST results for all / nationwide sample of TB cases												
EU & West												
Austria	citizenship	203	23	(11.3)	12	(5.9)	10	(4.9)	7	(3.4)	20	(9.9)
Belgium	citizenship	435	43	(9.9)	8	(1.8)	7	(1.6)	9	(2.1)	-	-
Czech Republic	birthplace	47	10	(21.3)	1	(2.1)	1	(2.1)	0	(0.0)	7	(14.9)
Denmark †	birthplace	172	12	(7.0)	0	(0.0)	0	(0.0)	1	(0.6)	-	-
Estonia	birthplace	95	32	(33.7)	24	(25.3)	24	(25.3)	23	(24.2)	36	(37.9)
Finland	birthplace	36	4	(11.1)	1	(2.8)	1	(2.8)	1	(2.8)	3	(8.3)
Germany	birthplace	1 895	239	(12.6)	82	(4.3)	77	(4.1)	61	(3.2)	246	(13.0)
Latvia	birthplace	72	20	(27.8)	12	(16.7)	12	(16.7)	7	(9.7)	21	(29.2)
Lithuania	birthplace	74	39	(52.7)	27	(36.5)	27	(36.5)	16	(21.6)	37	(50.0)
Luxembourg	birthplace	36	3	(8.3)	1	(2.8)	1	(2.8)	2	(5.6)	4	(11.1)
Netherlands	citizenship	367	33	(9.0)	6	(1.6)	5	(1.4)	3	(0.8)	20	(5.4)
Slovenia	birthplace	38	1	(2.6)	0	(0.0)	0	(0.0)	0	(0.0)	2	(5.3)
Sweden	birthplace	258	24	(9.3)	7	(2.7)	6	(2.3)	4	(1.6)	20	(7.8)
United Kingdom ‡	birthplace	2 496	201	(8.1)	49	(2.0)	37	(1.5)	14	(0.6)	-	-
Iceland	birthplace	2	1	(50.0)	1	(50.0)	1	(50.0)	0	(0.0)	1	(50.0)
Israel	birthplace	276	51	(18.5)	21	(7.6)	19	(6.9)	11	(4.0)	47	(17.0)
Norway	birthplace	226	21	(9.3)	5	(2.2)	3	(1.3)	2	(0.9)	34	(15.0)
Switzerland	birthplace	295	31	(10.5)	11	(3.7)	11	(3.7)	5	(1.7)	-	-
Centre												
Bosnia & Herzegovina §	birthplace	0	0	-	0	-	0	-	-	-	-	-
Croatia	birthplace	132	4	(3.0)	1	(0.8)	0	(0.0)	0	(0.0)	1	(0.8)
Group B) Culture or DST not routinely performed; DST results incomplete (selected cases / areas)												
EU & West												
Cyprus	citizenship	9	1	(11.1)	1	(11.1)	1	(11.1)	1	(11.1)	1	(11.1)
France	birthplace	855	62	(7.3)	21	(2.5)	17	(2.0)	8	(0.9)	63	(7.4)
Hungary	birthplace	12	1	(8.3)	1	(8.3)	1	(8.3)	0	(0.0)	2	(16.7)
Ireland	birthplace	23	3	(13.0)	1	(4.3)	1	(4.3)	1	(4.3)	-	-
Italy	birthplace	385	43	(11.2)	24	(6.2)	20	(5.2)	8	(2.1)	39	(10.1)
Malta	citizenship	1	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)
Portugal	birthplace	148	13	(8.8)	5	(3.4)	5	(3.4)	3	(2.0)	20	(13.5)
Slovakia	birthplace	5	1	(20.0)	1	(20.0)	1	(20.0)	0	(0.0)	1	(20.0)
Spain	birthplace	278	36	(12.9)	23	(8.3)	19	(6.8)	3	(1.1)	16	(5.8)
Andorra	citizenship	1	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)
Centre												
Albania	-	1	1	(100.0)	1	(100.0)	1	(100.0)	0	(0.0)	0	(0.0)
Bulgaria	citizenship	0	0	-	0	-	0	-	0	-	0	-
Macedonia, FYR	-	0	0	-	0	-	0	-	0	-	0	-
Serbia & Montenegro	-	0	0	-	0	-	0	-	0	-	0	-
East												
Armenia	birthplace	0	0	-	0	-	0	-	-	-	-	-
Azerbaijan	citizenship	0	0	-	0	-	0	-	0	-	0	-
Kazakhstan	-	0	0	-	0	-	0	-	0	-	0	-
Kyrgyzstan	citizenship	0	0	-	0	-	0	-	0	-	0	-

* Data presented if DST results were available for > 90% of cases tested for INH and RMP

† By birthplace of parents for Danish born cases < 26 years of age

‡ Excluding Scotland

§ Excluding Rep. Srpska

Table 27. Combined drug resistance by area of origin, EU & West, 2003

Area of report Area of origin	Cases with DST results	Cases resistant to at least:					
		Isoniazid (INH)		Rifampicin (RMP)		INH & RMP (multidrug resistant)	
		N	(%)	N	(%)	N	(%)
A) Baltic States							
EU & West *	0	0	-	0	-	0	-
Centre	0	0	-	0	-	0	-
Former Soviet Union †	3 034	1 030	(33.9)	597	(19.7)	591	(19.5)
Rest of Asia	16	4	(25.0)	3	(18.8)	3	(18.8)
Africa	0	0	-	0	-	0	-
Other	0	0	-	0	-	0	-
Unknown	0	0	-	0	-	0	-
Subtotal Baltic States	3 050	1 034	(33.9)	600	(19.7)	594	(19.5)
B) Other countries ‡							
EU & West *	6 121	225	(3.7)	48	(0.8)	29	(0.5)
Centre	931	60	(6.4)	12	(1.3)	9	(1.0)
Former Soviet Union †	321	93	(29.0)	48	(15.0)	48	(15.0)
Rest of Asia	2 224	242	(10.9)	67	(3.0)	62	(2.8)
Africa	2 061	183	(8.9)	45	(2.2)	36	(1.7)
Other	197	21	(10.7)	4	(2.0)	1	(0.5)
Unknown	694	50	(7.2)	14	(2.0)	12	(1.7)
Subtotal other countries	12 549	874	(7.0)	238	(1.9)	197	(1.6)
Total EU & West	15 599	1 908	(12.2)	838	(5.4)	791	(5.1)

* Cases reported in or originating from the Baltic States are classified under Former Soviet Union

† The 12 countries in the East plus the Baltic States

‡ 14 countries with individual data on drug resistance (group A): Austria, Belgium, Czech Republic, Denmark, Finland, Germany, Iceland, Luxembourg, Netherlands, Slovenia, Sweden, Switzerland and United Kingdom

Table 28. Characteristics of treatment outcome monitoring (TOM) and treatment success, WHO European Region, 2002

Geographic area Country	Geographic coverage	Type of data	Type of cohort	Total definite pulmonary cases			
				Notified in TOM areas *	Included in TOM cohorts		Treatment success (%)
					N	(%) †	
Group A) Complete cohorts with nationwide coverage							
EU & West							
Austria	national	individual	culture	597	597	-	77%
Belgium	national	individual	culture	818	818	-	64%
Cyprus	national	individual	culture	13	13	-	85%
Czech Republic	national	individual	culture	622	622	-	68%
Denmark	national	individual	culture	234	234	-	78%
Estonia	national	individual	culture	500	500	-	59%
Germany	national	individual	culture	4 040	4 040	-	67%
Hungary	national	individual	culture	904	904	-	57%
Ireland	national	individual	culture	205	205	-	73%
Latvia	national	individual	culture	1 241	1 241	-	70%
Lithuania	national	aggregate	culture	1 487	1 487	100%	63%
Malta	national	individual	culture	12	12	-	92%
Netherlands	national	individual	culture	526	526	-	84%
Poland	national	individual	culture	5 372	5 372	-	75%
Portugal	national	individual	culture	2 375	2 375	-	84%
Slovakia	national	individual	culture	450	450	-	84%
Slovenia	national	individual	culture	261	261	-	81%
Sweden	national	individual	culture	230	230	-	79%
United Kingdom	national ‡	aggregate	culture	2 729	2 717	100%	62%
Andorra	national	individual	culture	2	2	-	100%
Iceland	national	individual	culture	5	5	-	100%
Israel	national	aggregate	culture	275	275	100%	81%
Norway	national	individual	culture	119	119	-	82%
Centre							
Albania	national	aggregate	smear	253	253	100%	83%
Bosnia & Herzegovina	Fed. of Bosnia	aggregate	culture	1 030	1 135	110%	94%
Bulgaria	national	aggregate	mixed §	1 380	1 380	100%	82%
Macedonia, FYR	national	aggregate	smear	240	240	100%	78%
Romania	national	individual	culture	18 547	18 547	-	70%
East							
Georgia	national	aggregate	smear	1 638	1 638	100%	54%
Kazakhstan	national	aggregate	smear	12 507	12 507	100%	72%
Kyrgyzstan	national	aggregate	smear	1 945	2 103	108%	79%
Turkmenistan	national	aggregate	smear	1 796	1 783	99%	71%
Group B) Incomplete cohorts or partial geographic coverage							
EU & West							
Italy	selected Centres	aggregate	culture	-	270	-	84%
Centre							
Croatia	national	individual	culture	785	372	47%	70%
Serbia & Montenegro	Belgrade region	aggregate	culture	-	372	-	87%
Turkey ¶	national	aggregate	smear	5 214	4 245	81%	79%
East							
Armenia	DOTS areas	aggregate	smear	573	357	62%	71%
Azerbaijan	national	aggregate	smear	1 981	1 236	62%	80%
Moldova, Rep. of	DOTS areas	aggregate	smear	-	1 009	-	50%
Russian Federation	DOTS areas	aggregate	smear	6 142	6 133	100%	63%
Tajikistan ¶	DOTS areas	aggregate	smear	100	107	107%	79%
Uzbekistan	DOTS areas	aggregate	smear	3 211	3 063	95%	77%

* Notifications in 2002 may differ from those shown elsewhere in this report

† Not shown for countries providing complete individual datasets with outcome data (100% by definition); may exceed 100% in countries providing aggregate data, due to updated information on culture or smear results

‡ Excluding Scotland

§ Smear and/or culture positive

|| Retreated cases other than relapses not included

¶| New cases only

Table 29. Treatment outcome, new definite pulmonary tuberculosis cases, WHO European Region, 2002

Geographic area Country	Cohort	Total included		Success			Died		Failed	Defaulted	Transferred	Still on	
				Cured	Treatment completed	Subtotal success						treatment	Unknown
		N	(%)	N	(%)	N	(%)	N	(%)	N	(%)	N	(%)
Group A) Complete cohorts with nationwide coverage													
EU & West													
Austria	culture	550	0 (0)	419 (76)	419 (76)	64 (12)	0 (0)	36 (7)	0 (0)	0 (0)	0 (0)	31 (6)	
Belgium	culture	617	133 (22)	269 (44)	402 (65)	64 (10)	3 (0)	11 (2)	0 (0)	17 (3)	120 (19)		
Cyprus	culture	11	6 (55)	3 (27)	9 (82)	1 (9)	0 (0)	0 (0)	1 (9)	0 (0)	0 (0)		
Czech Republic	culture	601	331 (55)	83 (14)	414 (69)	34 (6)	1 (0)	11 (2)	9 (1)	18 (3)	114 (19)		
Denmark	culture	217	85 (39)	84 (39)	169 (78)	16 (7)	1 (0)	8 (4)	8 (4)	0 (0)	15 (7)		
Estonia	culture	346	226 (65)	9 (3)	235 (68)	30 (9)	4 (1)	43 (12)	1 (0)	33 (10)	0 (0)		
Germany	culture	2 607	1 066 (41)	786 (30)	1 852 (71)	267 (10)	5 (0)	51 (2)	0 (0)	138 (5)	294 (11)		
Hungary	culture	734	308 (42)	125 (17)	433 (59)	54 (7)	63 (9)	40 (5)	23 (3)	119 (16)	2 (0)		
Ireland	culture	161	5 (3)	116 (72)	121 (75)	13 (8)	2 (1)	0 (0)	0 (0)	2 (1)	23 (14)		
Latvia	culture	943	718 (76)	24 (3)	742 (79)	64 (7)	10 (1)	48 (5)	2 (0)	77 (8)	0 (0)		
Lithuania	culture	1 001	738 (74)	0 (0)	738 (74)	91 (9)	39 (4)	95 (9)	2 (0)	36 (4)	0 (0)		
Malta	culture	12	0 (0)	11 (92)	11 (92)	1 (8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)		
Netherlands	culture	442	69 (16)	312 (71)	381 (86)	21 (5)	0 (0)	31 (7)	9 (2)	0 (0)	0 (0)		
Poland	culture	4 587	3 046 (66)	425 (9)	3 471 (76)	236 (5)	41 (1)	294 (6)	27 (1)	26 (1)	492 (11)		
Portugal	culture	2 114	207 (10)	1 587 (75)	1 794 (85)	106 (5)	1 (0)	86 (4)	77 (4)	50 (2)	0 (0)		
Slovakia	culture	361	139 (39)	160 (44)	299 (83)	61 (17)	1 (0)	0 (0)	0 (0)	0 (0)	0 (0)		
Slovenia	culture	231	56 (24)	132 (57)	188 (81)	27 (12)	0 (0)	15 (6)	1 (0)	0 (0)	0 (0)		
Sweden	culture	208	0 (0)	166 (80)	166 (80)	16 (8)	0 (0)	4 (2)	6 (3)	13 (6)	3 (1)		
United Kingdom	culture	1 995	0 (0)	1 299 (65)	1 299 (65)	120 (6)	9 (0)	109 (5)	19 (1)	67 (3)	372 (19)		
Andorra	culture	2	2 (100)	0 (0)	2 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)		
Iceland	culture	5	1 (20)	4 (80)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)		
Israel	culture	257	184 (72)	23 (9)	207 (81)	27 (11)	1 (0)	5 (2)	14 (5)	3 (1)	0 (0)		
Norway	culture	110	62 (56)	30 (27)	92 (84)	6 (5)	0 (0)	6 (5)	6 (5)	0 (0)	0 (0)		
Centre													
Albania	smear	225	98 (44)	91 (40)	189 (84)	3 (1)	2 (1)	15 (7)	1 (0)	0 (0)	15 (7)		
Bosnia & Herzegovina *	culture	1 036	919 (89)	69 (7)	988 (95)	8 (1)	16 (2)	9 (1)	10 (1)	5 (0)	0 (0)		
Bulgaria	mixed †	1 007	846 (84)	0 (0)	846 (84)	42 (4)	50 (5)	49 (5)	20 (2)	0 (0)	0 (0)		
Macedonia, FYR	smear	200	114 (57)	47 (24)	161 (81)	3 (2)	1 (1)	29 (15)	1 (1)	0 (0)	5 (3)		
Romania	culture	13 116	7 785 (59)	2 578 (20)	10 363 (79)	548 (4)	701 (5)	981 (7)	98 (1)	52 (0)	373 (3)		
East													
Georgia	smear	987	347 (35)	296 (30)	643 (65)	15 (2)	29 (3)	173 (18)	127 (13)	0 (0)	0 (0)		
Kazakhstan	smear	9 440	7 014 (74)	123 (1)	7 137 (76)	438 (5)	1 030 (11)	582 (6)	193 (2)	0 (0)	60 (1)		
Kyrgyzstan	smear	1 476	1 158 (78)	51 (3)	1 209 (82)	65 (4)	106 (7)	69 (5)	27 (2)	0 (0)	0 (0)		
Turkmenistan	smear	1 254	875 (70)	50 (4)	925 (74)	38 (3)	93 (7)	28 (2)	8 (1)	0 (0)	162 (13)		
Group B) Incomplete cohorts or partial geographic coverage													
EU & West													
Italy	culture	249	70 (28)	145 (58)	215 (86)	3 (1)	0 (0)	17 (7)	8 (3)	0 (0)	6 (2)		
Centre													
Croatia	culture	327	203 (62)	31 (9)	234 (72)	36 (11)	3 (1)	26 (8)	10 (3)	9 (3)	9 (3)		
Serbia & Montenegro	culture	335	254 (76)	43 (13)	297 (89)	19 (6)	2 (1)	13 (4)	1 (0)	1 (0)	2 (1)		
Turkey	smear	4 245	0 (0)	3 348 (79)	3 348 (79)	123 (3)	0 (0)	179 (4)	173 (4)	422 (10)	0 (0)		
East													
Armenia	smear	295	206 (70)	27 (9)	233 (79)	12 (4)	9 (3)	7 (2)	10 (3)	0 (0)	24 (8)		
Azerbaijan	smear	1 169	925 (79)	25 (2)	950 (81)	23 (2)	13 (1)	108 (9)	39 (3)	36 (3)	0 (0)		
Moldova, Rep. of	smear	556	294 (53)	46 (8)	340 (61)	46 (8)	58 (10)	87 (16)	21 (4)	2 (0)	2 (0)		
Russian Federation	smear	5 171	3 305 (64)	142 (3)	3 447 (67)	668 (13)	469 (9)	374 (7)	213 (4)	0 (0)	0 (0)		
Tajikistan	smear	107	84 (79)	0 (0)	84 (79)	5 (5)	12 (11)	5 (5)	1 (1)	0 (0)	0 (0)		
Uzbekistan	smear	2 544	1 667 (66)	363 (14)	2 030 (80)	127 (5)	203 (8)	184 (7)	0 (0)	0 (0)	0 (0)		

* Excluding Rep. Srpska (no data)

† Smear and/or culture positive

Table 30. Treatment outcome, retreated definite pulmonary tuberculosis cases, WHO European Region, 2002

Geographic area Country	Cohort	Total included	Success			Died N (%)	Failed N (%)	Defaulted N (%)	Transferred N (%)	Still on	
			Cured N (%)	Treatment completed N (%)	Subtotal success N (%)					treatment N (%)	Unknown N (%)
Group A) Complete cohorts with nationwide coverage											
Austria	culture	46	0 (0)	38 (83)	38 (83)	3 (7)	0 (0)	3 (7)	0 (0)	0 (0)	2 (4)
Belgium	culture	67	21 (31)	28 (42)	49 (73)	5 (7)	0 (0)	0 (0)	0 (0)	4 (6)	9 (13)
Cyprus	culture	2	2 (100)	0 (0)	2 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Czech Republic	culture	21	8 (38)	2 (10)	10 (48)	3 (14)	0 (0)	1 (5)	2 (10)	2 (10)	3 (14)
Denmark	culture	17	3 (18)	11 (65)	14 (82)	1 (6)	0 (0)	1 (6)	0 (0)	0 (0)	1 (6)
Estonia	culture	154	56 (36)	4 (3)	60 (39)	11 (7)	10 (6)	26 (17)	0 (0)	47 (31)	0 (0)
Germany	culture	293	112 (38)	76 (26)	188 (64)	32 (11)	1 (0)	10 (3)	0 (0)	22 (8)	40 (14)
Hungary	culture	157	59 (38)	14 (9)	73 (46)	19 (12)	30 (19)	7 (4)	4 (3)	23 (15)	1 (1)
Ireland	culture	17	0 (0)	10 (59)	10 (59)	2 (12)	0 (0)	0 (0)	0 (0)	0 (0)	5 (29)
Latvia	culture	298	116 (39)	5 (2)	121 (41)	36 (12)	6 (2)	19 (6)	1 (0)	115 (39)	0 (0)
Lithuania	culture	486	204 (42)	0 (0)	204 (42)	75 (15)	44 (9)	107 (22)	0 (0)	56 (12)	0 (0)
Malta	culture	0	-	-	-	-	-	-	-	-	-
Netherlands	culture	25	7 (28)	11 (44)	18 (72)	1 (4)	0 (0)	6 (24)	0 (0)	0 (0)	0 (0)
Poland	culture	724	432 (60)	55 (8)	487 (67)	59 (8)	11 (2)	77 (11)	6 (1)	16 (2)	68 (9)
Portugal	culture	261	26 (10)	175 (67)	201 (77)	17 (7)	0 (0)	23 (9)	6 (2)	14 (5)	0 (0)
Slovakia	culture	89	48 (54)	32 (36)	80 (90)	8 (9)	1 (1)	0 (0)	0 (0)	0 (0)	0 (0)
Slovenia	culture	30	9 (30)	14 (47)	23 (77)	4 (13)	0 (0)	2 (7)	0 (0)	1 (3)	0 (0)
Sweden	culture	22	0 (0)	15 (68)	15 (68)	1 (5)	0 (0)	0 (0)	1 (5)	5 (23)	0 (0)
United Kingdom	culture	229	0 (0)	124 (54)	124 (54)	25 (11)	2 (1)	18 (8)	2 (1)	9 (4)	49 (21)
Andorra	culture	0	-	-	-	-	-	-	-	-	-
Iceland	culture	0	-	-	-	-	-	-	-	-	-
Israel	culture	18	13 (72)	2 (11)	15 (83)	1 (6)	0 (0)	0 (0)	2 (11)	0 (0)	0 (0)
Norway	culture	8	4 (50)	2 (25)	6 (75)	1 (13)	0 (0)	1 (13)	0 (0)	0 (0)	0 (0)
Centre											
Albania	smear	28	10 (36)	11 (39)	21 (75)	1 (4)	0 (0)	4 (14)	0 (0)	0 (0)	2 (7)
Bosnia & Herzegovina *	culture	99	61 (62)	19 (19)	80 (81)	2 (2)	2 (2)	1 (1)	3 (3)	11 (11)	0 (0)
Bulgaria	mixed †	373	240 (64)	45 (12)	285 (76)	14 (4)	34 (9)	33 (9)	7 (2)	0 (0)	0 (0)
Macedonia, FYR	smear	40	13 (33)	13 (33)	26 (65)	3 (8)	1 (3)	8 (20)	0 (0)	2 (5)	0 (0)
Romania	culture	5 431	1 695 (31)	848 (16)	2 543 (47)	457 (8)	750 (14)	880 (16)	43 (1)	372 (7)	386 (7)
East											
Georgia	smear	651	160 (25)	73 (11)	233 (36)	30 (5)	49 (8)	132 (20)	58 (9)	0 (0)	149 (23)
Kazakhstan	smear	3 067	1 836 (60)	58 (2)	1 894 (62)	320 (10)	431 (14)	312 (10)	86 (3)	0 (0)	24 (1)
Kyrgyzstan	smear	627	275 (44)	169 (27)	444 (71)	48 (8)	67 (11)	57 (9)	11 (2)	0 (0)	0 (0)
Turkmenistan	smear	529	221 (42)	112 (21)	333 (63)	63 (12)	87 (16)	43 (8)	3 (1)	0 (0)	0 (0)
Group B) Incomplete cohorts or partial geographic coverage											
EU & West											
Italy	culture	21	6 (29)	7 (33)	13 (62)	0 (0)	0 (0)	4 (19)	3 (14)	0 (0)	1 (5)
Centre											
Croatia	culture	45	23 (51)	4 (9)	27 (60)	4 (9)	1 (2)	7 (16)	1 (2)	3 (7)	2 (4)
Serbia & Montenegro	culture	37	21 (57)	4 (11)	25 (68)	8 (22)	0 (0)	4 (11)	0 (0)	0 (0)	0 (0)
Turkey	-	-	-	-	-	-	-	-	-	-	-
East											
Armenia	smear	62	16 (26)	3 (5)	19 (31)	4 (6)	12 (19)	2 (3)	2 (3)	0 (0)	23 (37)
Azerbaijan	smear	67	38 (57)	5 (7)	43 (64)	5 (7)	9 (13)	10 (15)	0 (0)	0 (0)	0 (0)
Moldova, Rep. of	smear	453	138 (30)	29 (6)	167 (37)	60 (13)	92 (20)	99 (22)	21 (5)	10 (2)	4 (1)
Russian Federation	smear	962	354 (37)	90 (9)	444 (46)	111 (12)	246 (26)	83 (9)	78 (8)	0 (0)	0 (0)
Tajikistan	-	-	-	-	-	-	-	-	-	-	-
Uzbekistan	smear	519	198 (38)	120 (23)	318 (61)	51 (10)	60 (12)	90 (17)	0 (0)	0 (0)	0 (0)

* Excluding Rep. Srpska (no data)

† Smear and/or culture positive

Table 31. Treatment success and death by age group, new pulmonary culture positive tuberculosis cases, WHO European Region, 2002*

Geographic area Country	0-14 years			15-44 years			45-64 years			65+ years		
	Total included	Success		Total included	Success		Total included	Success		Total included	Success	
		N	(%)		N	(%)		N	(%)		N	(%)
A) Treatment success												
EU & West												
Austria	15	12	(80)	251	200	(80)	172	130	(76)	112	77	(69)
Belgium	25	20	(80)	313	224	(72)	117	79	(68)	162	79	(49)
Cyprus	0	0	-	6	5	(83)	2	2	(100)	3	2	(67)
Czech Republic	0	0	-	177	138	(78)	227	166	(73)	197	110	(56)
Denmark	13	9	(69)	133	110	(83)	50	37	(74)	21	13	(62)
Estonia	0	0	-	188	129	(69)	123	85	(69)	35	21	(60)
Germany	69	53	(77)	1 195	934	(78)	697	492	(71)	644	372	(58)
Hungary	4	3	(75)	282	168	(60)	313	178	(57)	135	84	(62)
Ireland	3	2	(67)	89	74	(83)	39	28	(72)	30	17	(57)
Latvia	4	4	(100)	559	452	(81)	302	227	(75)	78	59	(76)
Malta	0	0	-	7	7	(100)	4	3	(75)	1	1	(100)
Netherlands	12	12	(100)	301	266	(88)	76	66	(87)	53	37	(70)
Poland	19	16	(84)	1 701	1351	(79)	1 699	1242	(73)	1 167	861	(74)
Portugal	19	17	(89)	1 326	1130	(85)	473	417	(88)	286	223	(78)
Slovakia	0	0	-	116	107	(92)	123	99	(80)	122	93	(76)
Slovenia	1	1	(100)	95	82	(86)	73	59	(81)	62	46	(74)
Sweden	6	6	(100)	107	91	(85)	39	29	(74)	56	40	(71)
Andorra	0	0	-	2	2	(100)	0	0	-	0	0	-
Iceland	0	0	-	4	4	(100)	1	1	(100)	0	0	-
Norway	0	0	-	73	63	(86)	17	12	(71)	20	17	(85)
Total EU & West	190	155	(82)	6 925	5 537	(80)	4 547	3 352	(74)	3 184	2 152	(68)
Centre												
Romania	208	174	(84)	7 539	6149	(82)	4 172	3181	(76)	1 174	844	(72)
B) Death												
EU & West												
Austria	15	0	(0)	251	5	(2)	172	25	(15)	112	34	(30)
Belgium	25	1	(4)	313	2	(1)	117	8	(7)	162	53	(33)
Cyprus	0	0	-	6	0	(0)	2	0	(0)	3	1	(33)
Czech Republic	0	0	-	177	1	(1)	227	14	(6)	197	19	(10)
Denmark	13	0	(0)	133	2	(2)	50	8	(16)	21	6	(29)
Estonia	0	0	-	188	8	(4)	123	11	(9)	35	11	(31)
Germany	69	1	(1)	1 195	28	(2)	697	67	(10)	644	171	(27)
Hungary	4	0	(0)	282	8	(3)	313	18	(6)	135	28	(21)
Ireland	3	0	(0)	89	3	(3)	39	3	(8)	30	7	(23)
Latvia	4	0	(0)	559	13	(2)	302	34	(11)	78	17	(22)
Malta	0	0	-	7	0	(0)	4	1	(25)	1	0	(0)
Netherlands	12	0	(0)	301	1	(0)	76	7	(9)	53	13	(25)
Poland	19	0	(0)	1 701	18	(1)	1 699	82	(5)	1 167	136	(12)
Portugal	19	0	(0)	1 326	38	(3)	473	22	(5)	286	46	(16)
Slovakia	0	0	-	116	8	(7)	123	24	(20)	122	29	(24)
Slovenia	1	0	(0)	95	5	(5)	73	7	(10)	62	15	(24)
Sweden	6	0	(0)	107	0	(0)	39	4	(10)	56	12	(21)
Andorra	0	0	-	2	0	(0)	0	0	-	0	0	-
Iceland	0	0	-	4	0	(0)	1	0	(0)	0	0	-
Norway	0	0	-	73	2	(3)	17	1	(6)	20	3	(15)
Total EU & West	190	2	(1)	6 925	142	(2)	4 547	336	(7)	3 184	601	(19)
Centre												
Romania	208	5	(2)	7 539	129	(2)	4 172	268	(6)	1 174	143	(12)

* Countries in group A providing individual data (excluding 36 cases with age unknown)