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Accelerating advocacy on TB

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Отделение инфекционных болезней
Европейское Региональное бюро ВОЗ

Структура презентации

- Обзор
эпидемиологической
ситуации в
Европейском регионе
ВОЗ
 - ТБ, ВИЧ и коинфекция
ВИЧ/ТБ
- Специфика
Европейского
региона

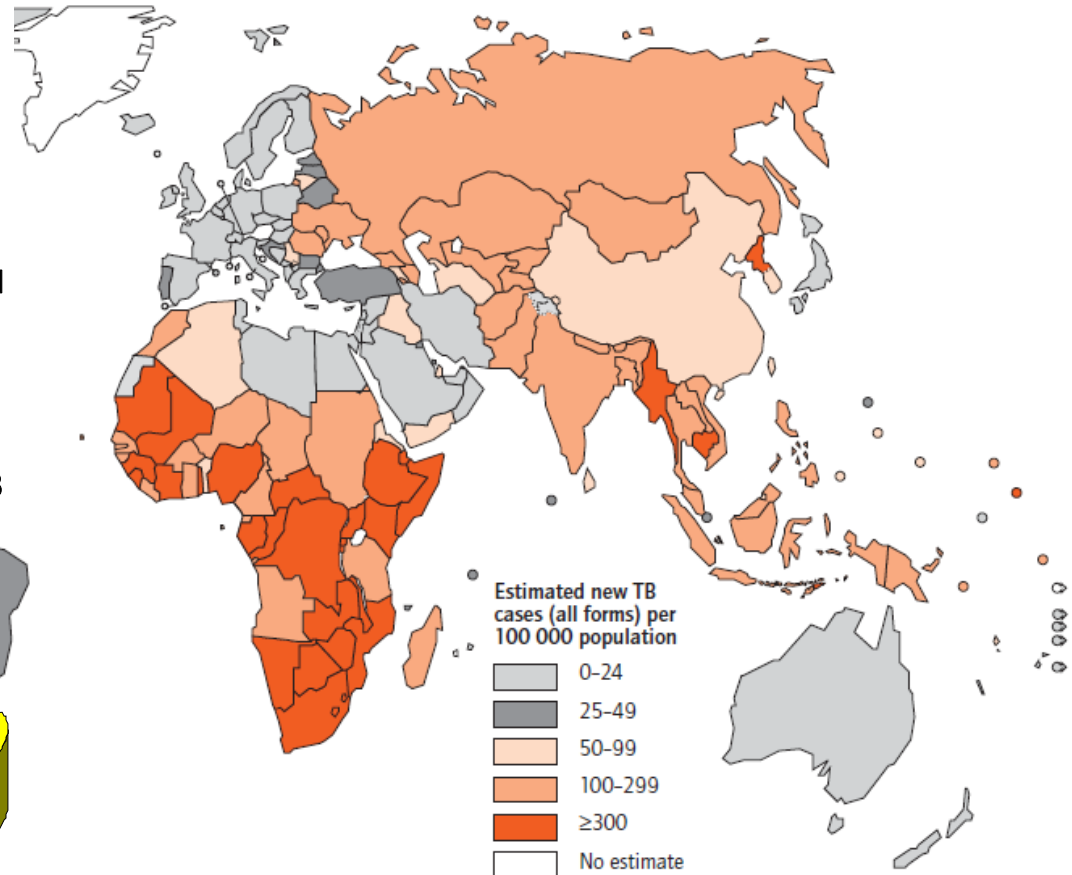
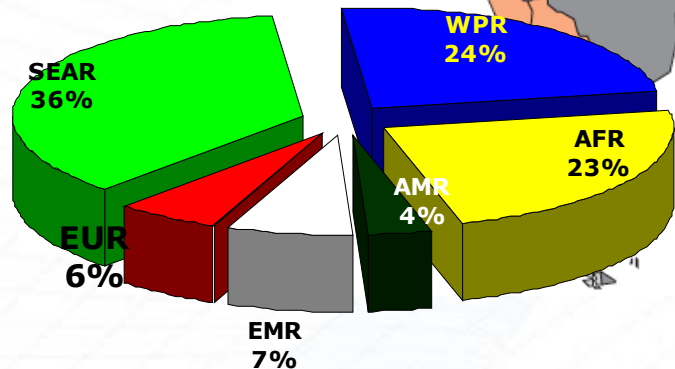
Surveillance: most important impact TB indicators

Indicator	What to measure	How to measure
Incidence rate (/100,000)	$\frac{\text{New TB cases estimated in one year}}{\text{Total midyear population}} \times 100,000$	x determinants coefficient
Notification rate (/100,000)	$\frac{\text{New TB cases notified in one year}}{\text{Total midyear population}} \times 100,000$	Notifications of TB
Case detection rate (%)	$\frac{\text{New TB cases notified in one year}}{\text{New TB cases estimated in one year}} \times 100$	Reports TB case finding
Prevalence rate (/100,000)	$\frac{\text{New and old TB cases estimated in one year}}{\text{Total midyear population}} \times 100,000$	TB prevalence survey
Mortality rate (/100,000)	$\frac{\text{TB deaths in one year}}{\text{Total midyear population}} \times 100,000$	Vital registration

ТБ в мире в 2008 г.

- **9.4 млн** новых случаев (глобальные оценочные данные на 2008 г.) = **139** случаев на 100 000 населения
- Зарегистрированы случаи в Европейском регионе составили примерно **6%** случаев ТБ в глобальном масштабе

Выявленные случаи ТБ в регионах ВОЗ

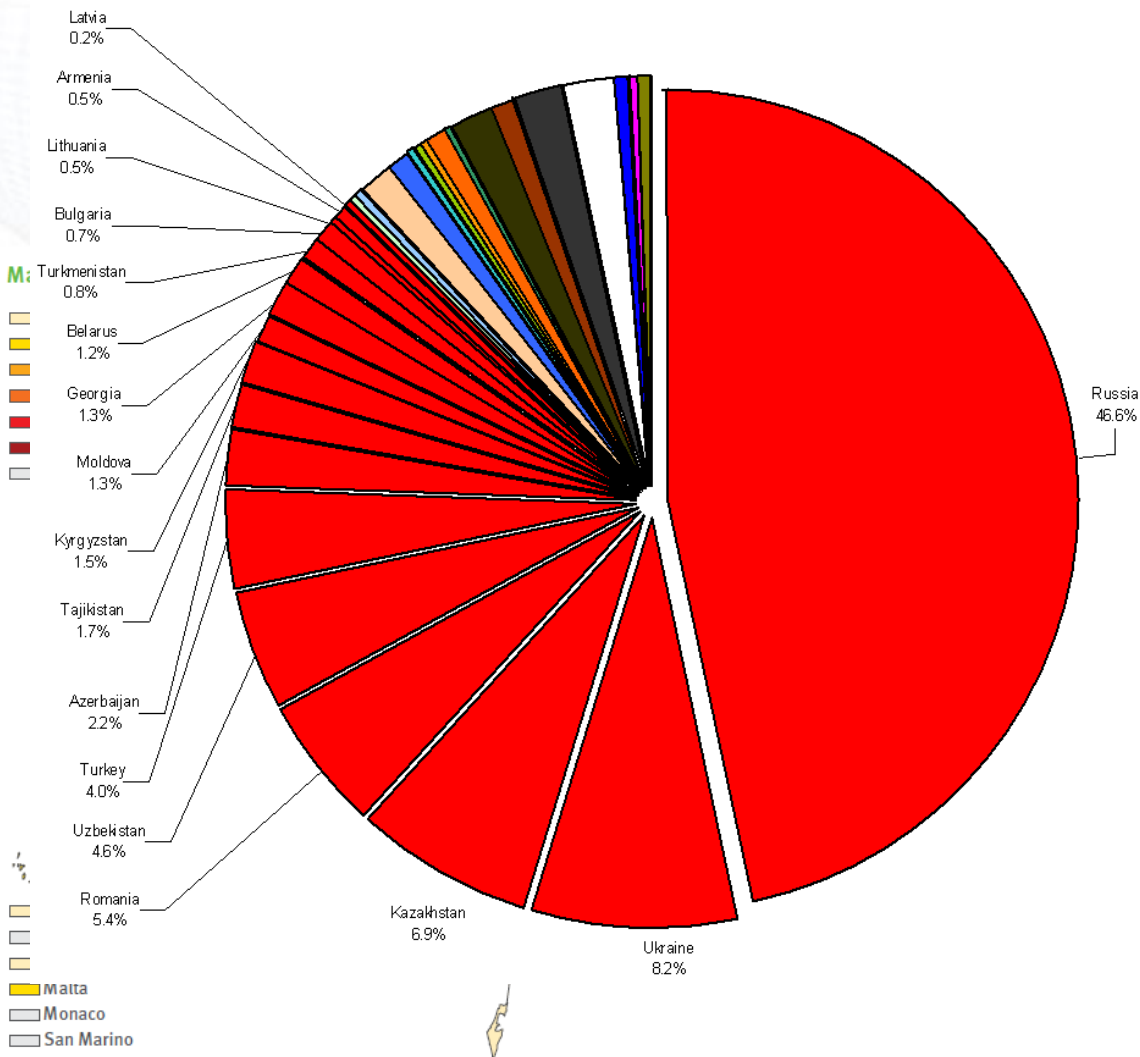


Source: Global tuberculosis control: a short update to the 2009 report. WHO/HTM/TB/2009.426

ТБ в Европейском регионе ВОЗ в 2008 г.

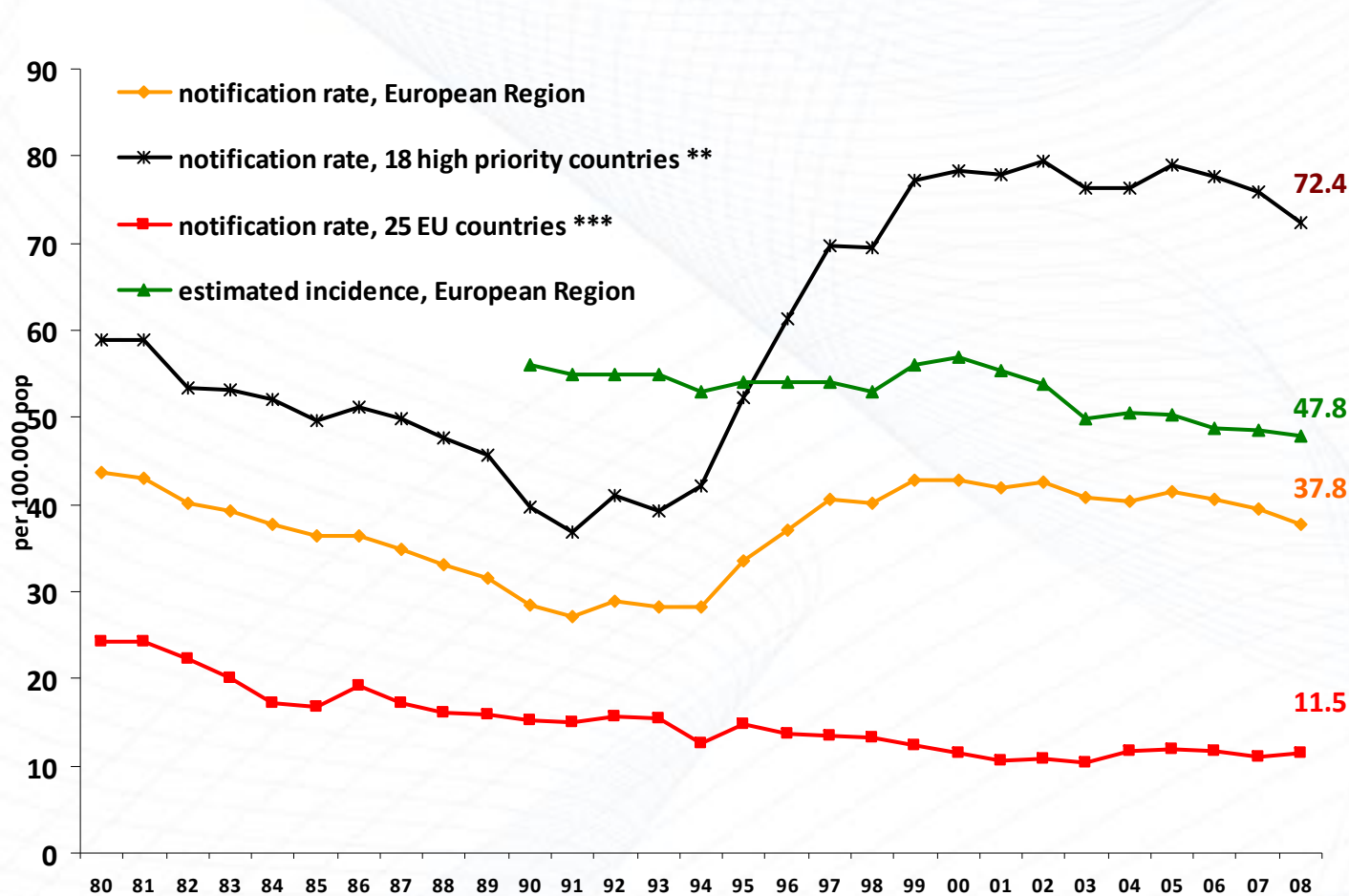
- В 2008 году, в 50 из 54 государствах-членах Европейского региона было зарегистрировано **461,645** случаев ТБ (**52.2** на 100,000 населения)
- 46%** случаев зарегистрировано в Российской Федерации
- 87.6%** случаев зарегистрировано в 18 высокоприоритетных стран

All TB cases notified in the European Region in 2008





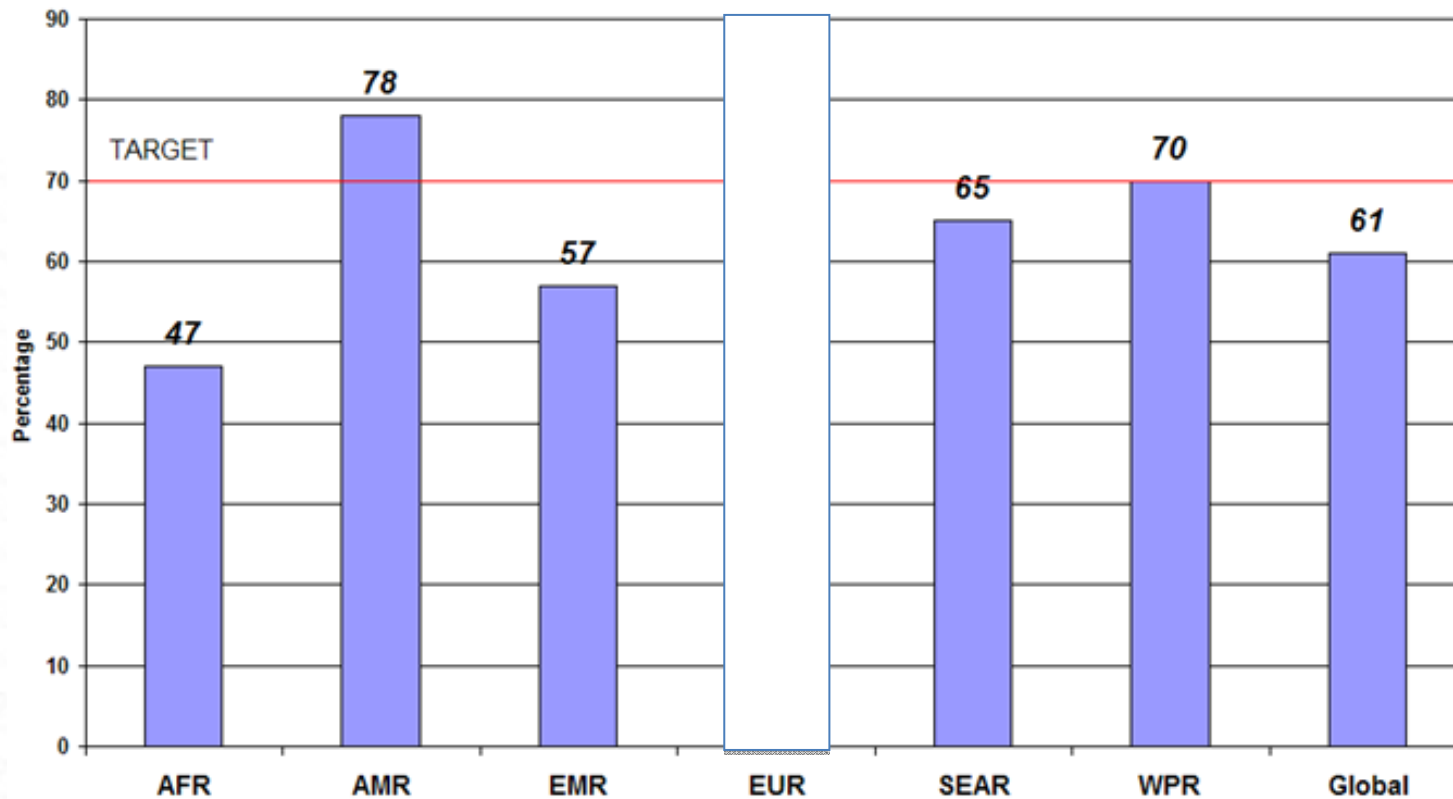
Общая заболеваемость ТБ и оценочная распространенность



- ** 18**
высокоприоритетных
странах
- Армения
 - Азербайджан
 - Беларусь
 - Болгария
 - Эстония
 - Грузия
 - Казахстан
 - Кыргызстан
 - Латвия
 - Литва
 - Респ. Молдова
 - Румыния
 - Рос. Федерация
 - Таджикистан
 - Турция
 - Туркменистан
 - Украина

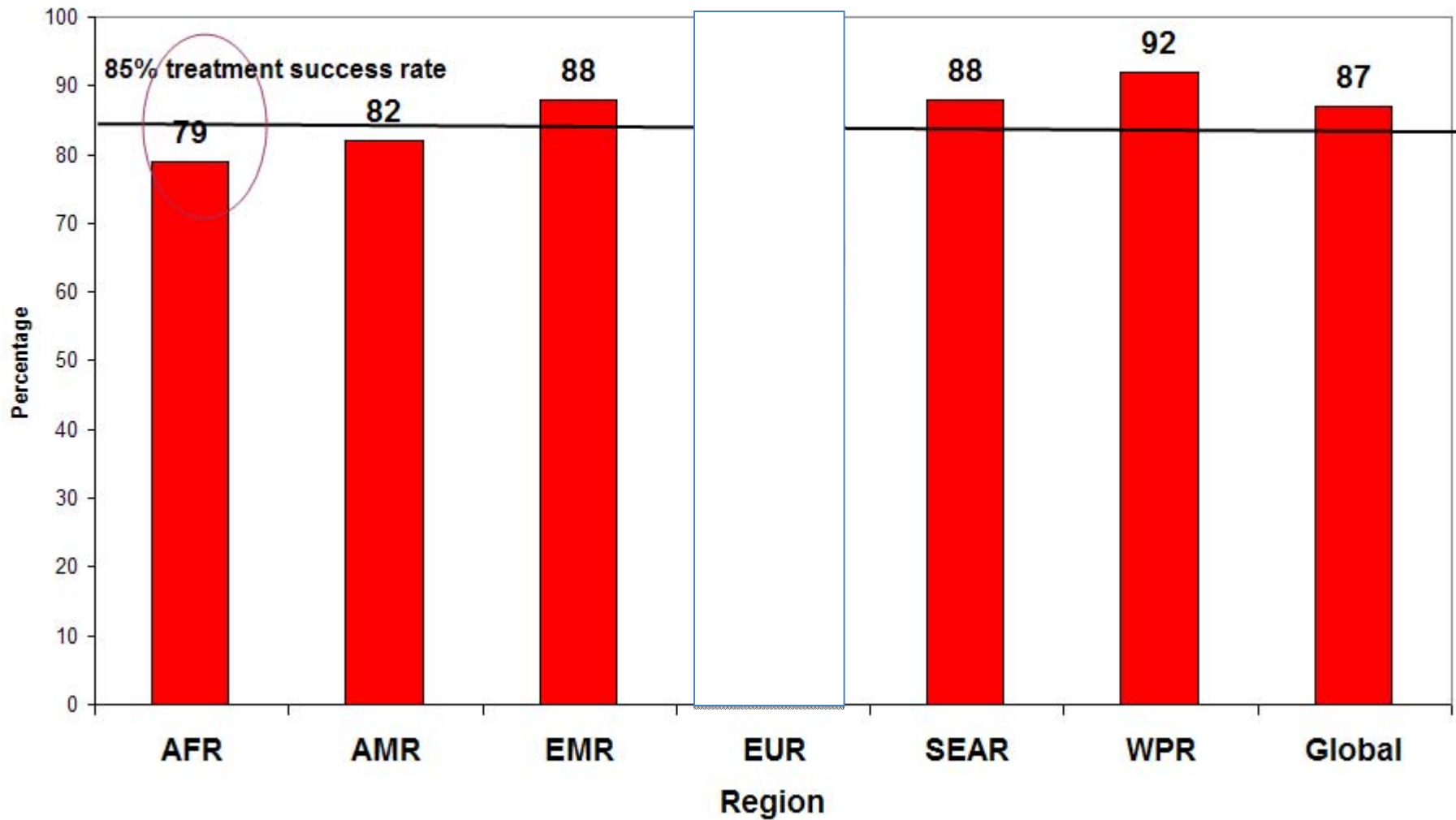
* Newly notified episodes (TB cases) = new cases + relapses
 *** excluding Bulgaria and Romania that become EU in 2007

ВЫЯВЛЯЕМОСТИ ЧИСЛА СЛУЧАЕВ.

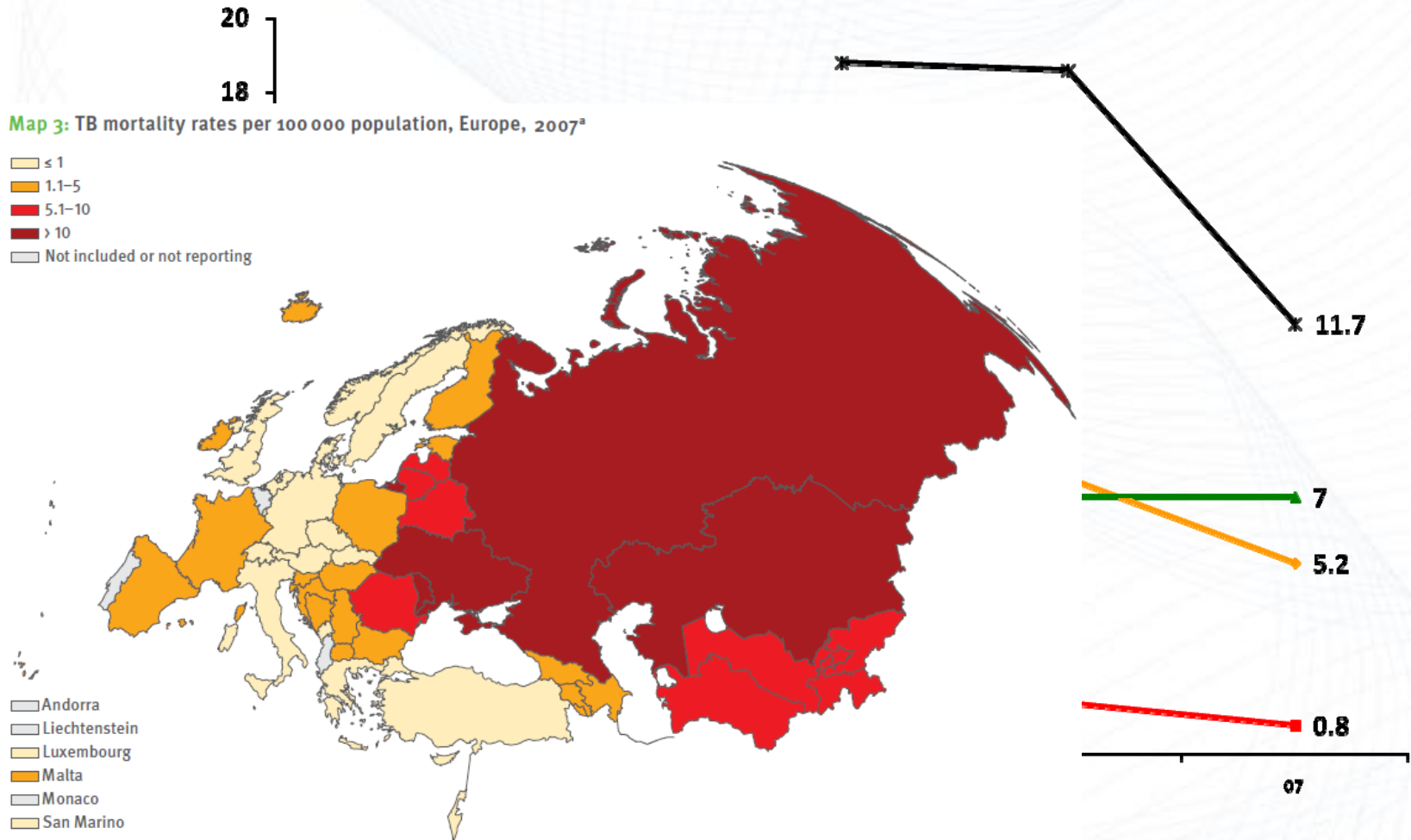


Overall, about 61% (5.5 million) of the estimated number of incident cases detected
Case-detection has been stagnating globally since 2006.

Smear Positive treatment success rates 2007

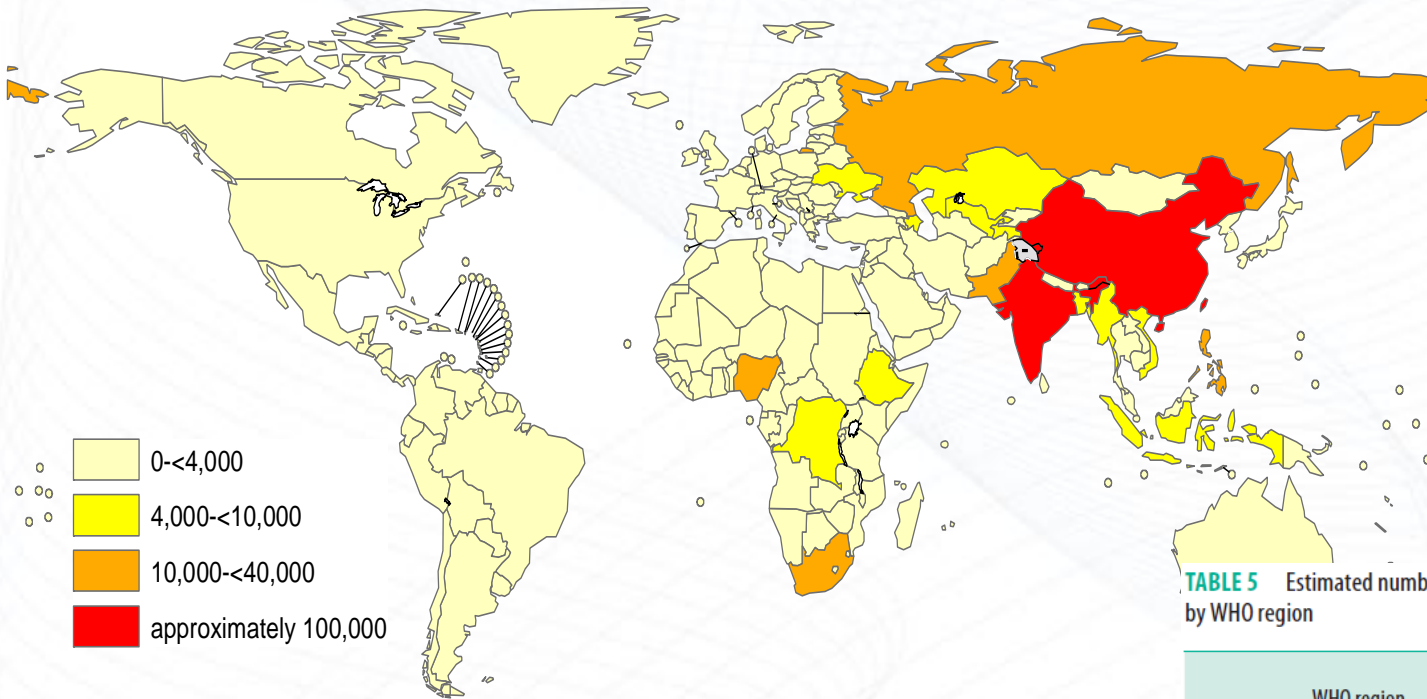


TSR (average in EUR) in 2005: 52/71
TSR (average in EUR) in 2006: 55/70



^a Data from Kosovo (in accordance with Security Council Resolution 1244 (1999)) is not included in the figures reported for Serbia

Estimated number of MDR-TB cases (2009)



Among all incident TB cases globally an estimated 3.6% are MDR-TB

TABLE 5 Estimated number of MDR-TB cases (primary and acquired) in 2008, by WHO region

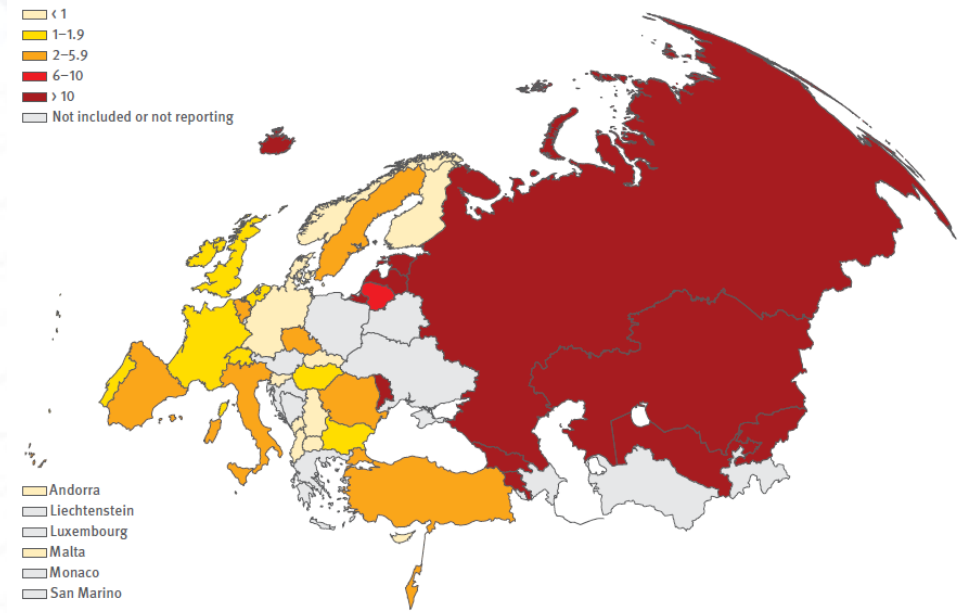
WHO region	Estimated number of MDR-TB cases (primary and acquired) in 2008 (95% confidence interval)
African	69 000 (53 000–110 000)
Americas	8 200 (7 300–9 300)
Eastern Mediterranean	24 000 (11 000–81 000)
European	81 000 (73 000–90 000)
South-East Asia	130 000 (110 000–170 000)
Western Pacific	120 000 (100 000–140 000)
Total	440 000 (390 000–510 000)

MDR-TB prevalence WHO European Region (2008)

Estimated MDR prevalence, among all TB cases	19.1% (81,000 cases)*
Notified MDR prevalence, among all TB cases	18.1 % (18,365 cases)**
Detection Rate of all MDR-TB cases	22.7 %

Out of 27 countries that account for 85% of all MDR-TB cases, 15 are in the European Region

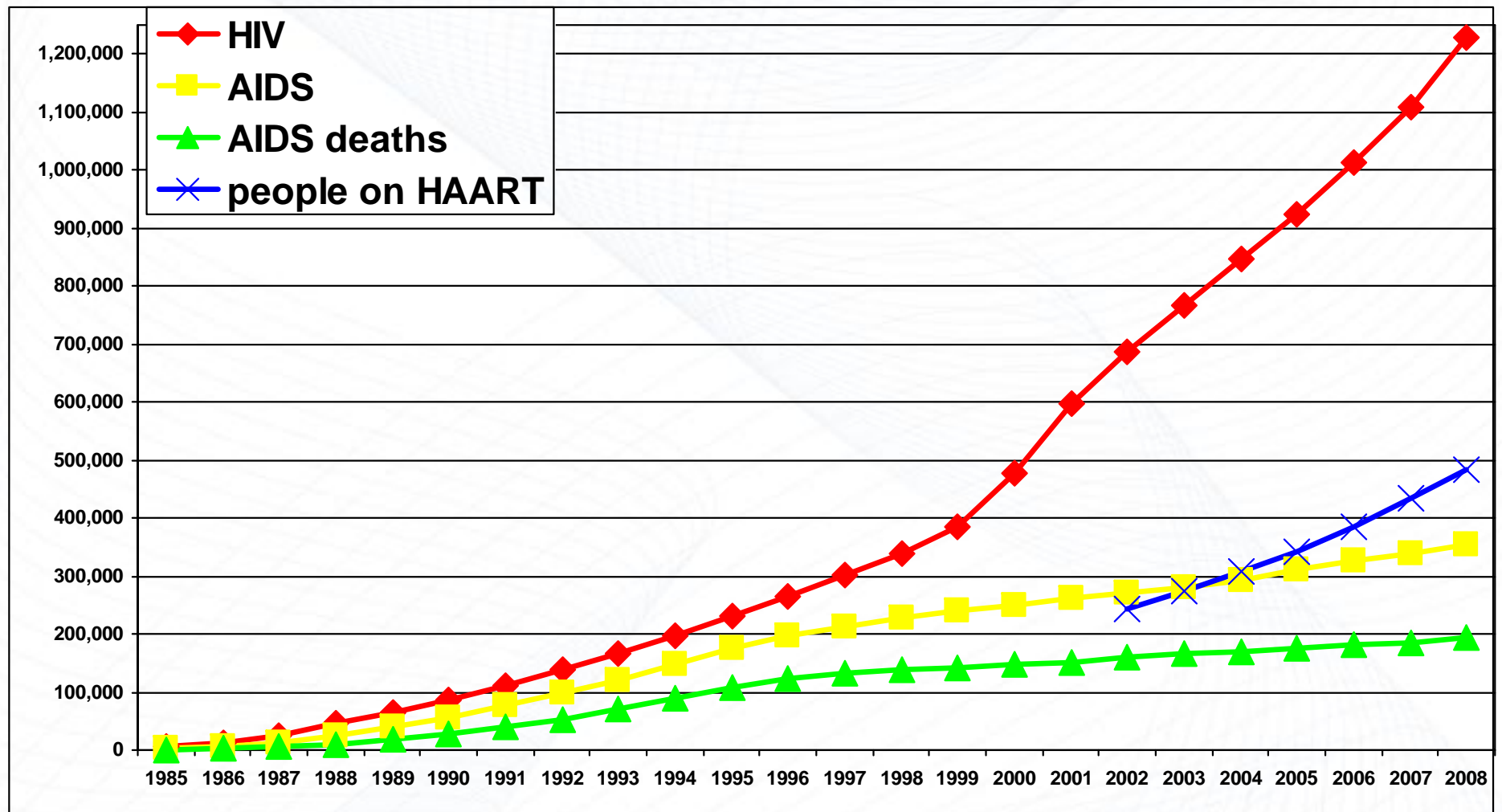
Map 7: Percentage of notified TB cases with primary multidrug resistance, Europe, 2008*



* M/XDR-TB: 2010 global report on surveillance and response (WHO/HTM/TB/2010.3)
 TB surveillance in Europe 2008: report (ISBN 978-92-9193-207-8; ECDC, 2010)

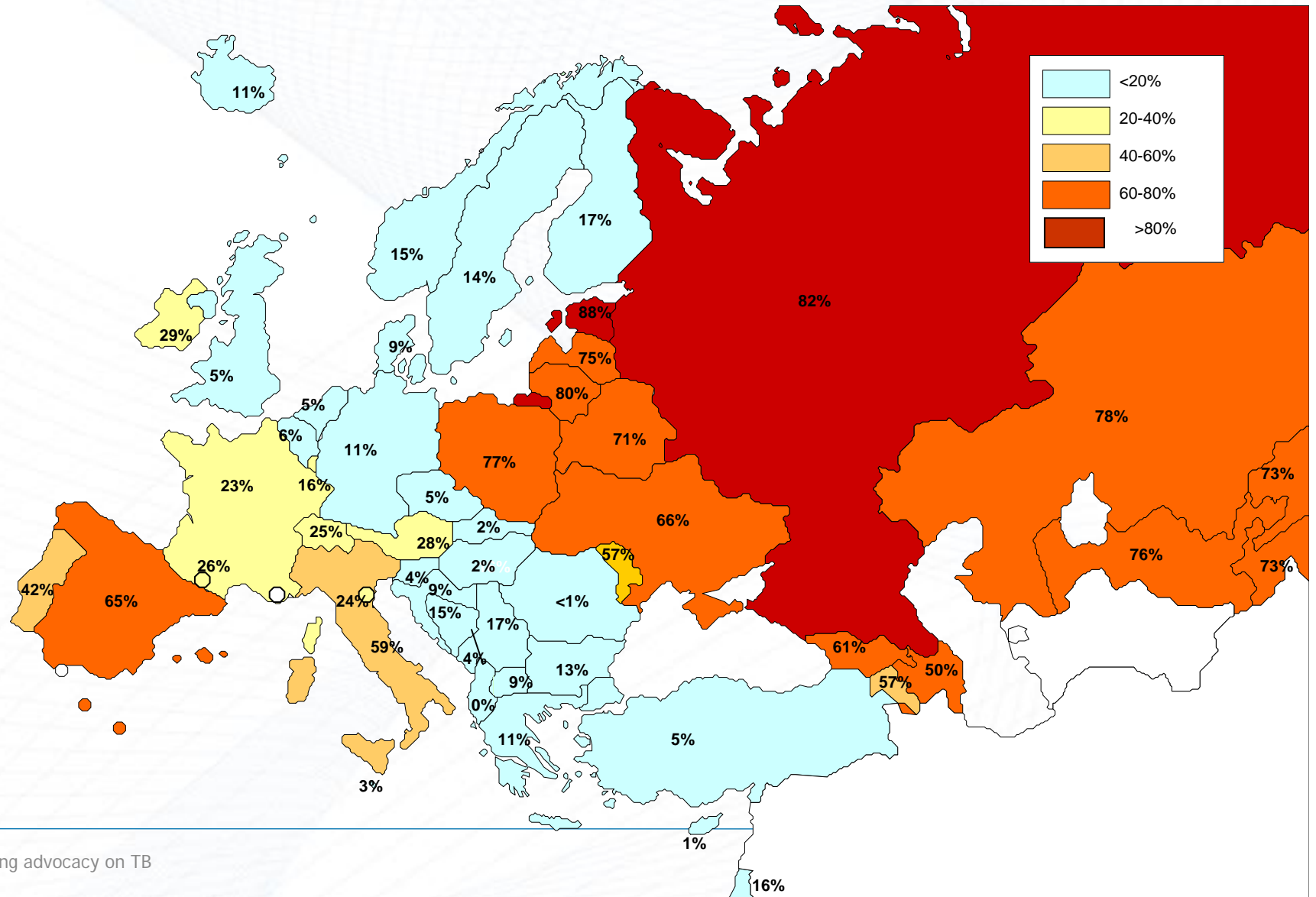
*** Data considered reliable if 50% of all cases were culture-positive, and 80% of them had reported DST results.

Cumulative number of reported HIV/AIDS cases in WHO European Region 1985-2008

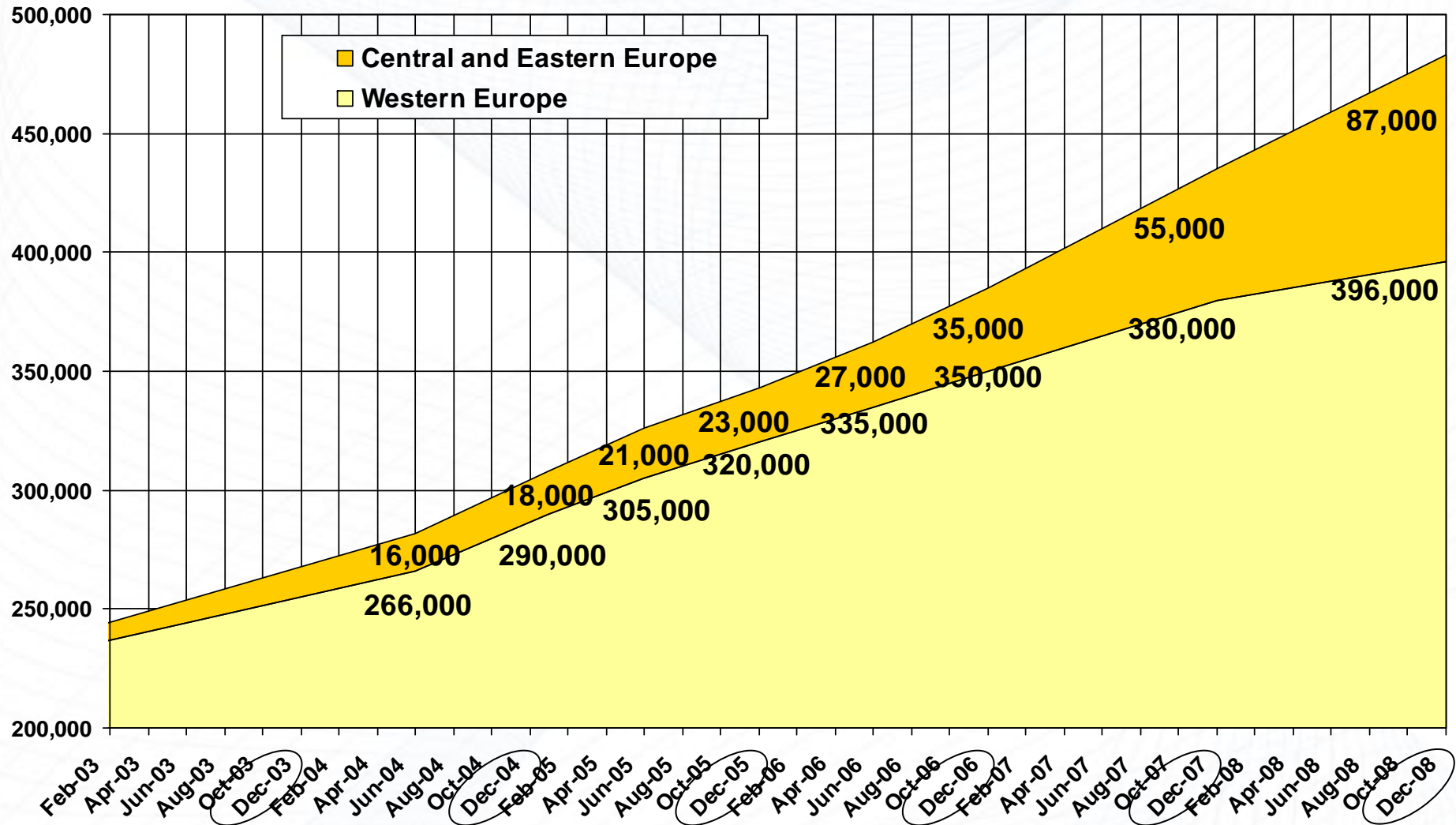


IDU as % of all HIV/AIDS cases with known transmission route

NOTE: % of AIDS cases in countries not reporting HIV: France, Italy, Spain Sources: WHO/ECDC, national reports.

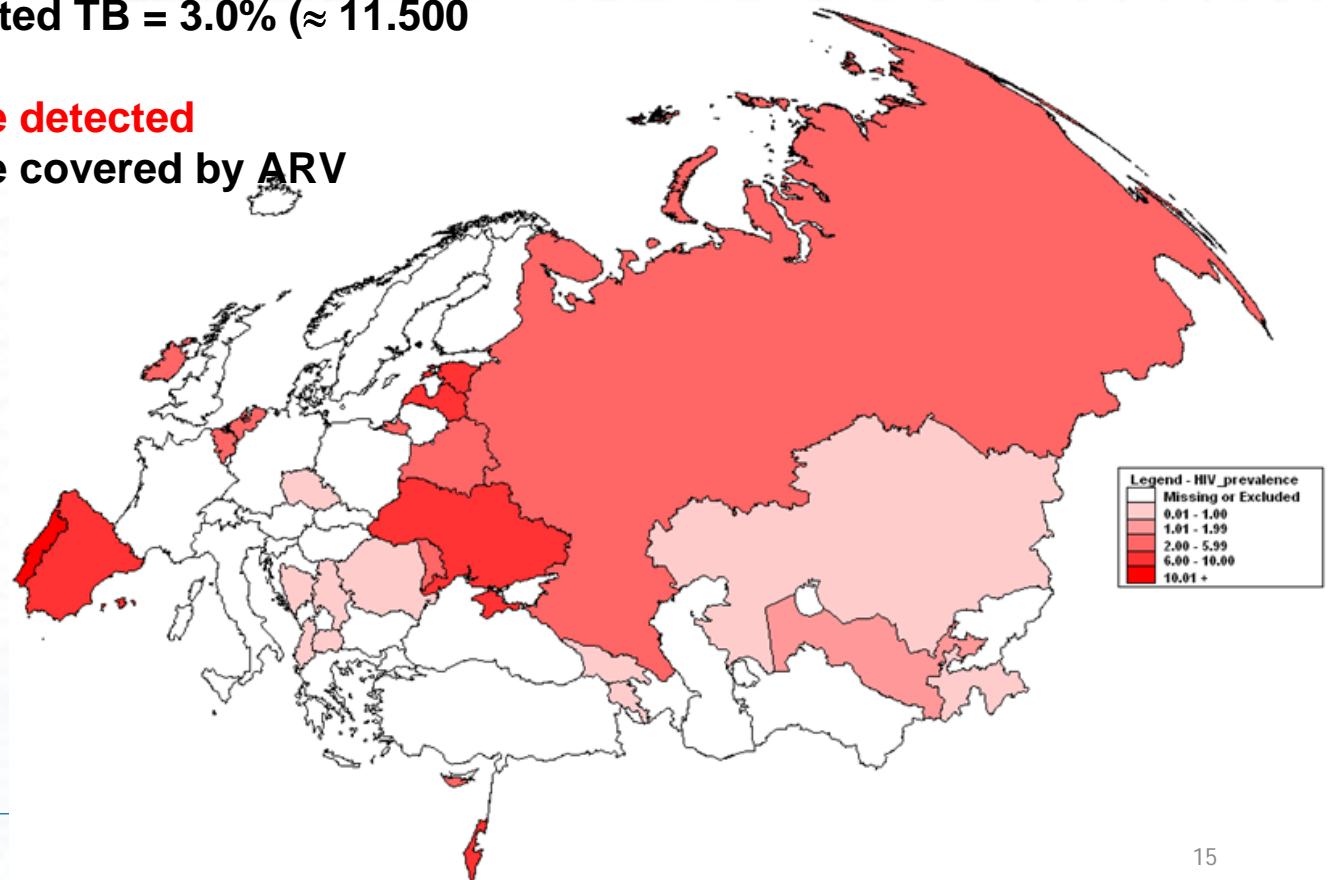


Scaling up treatment in Europe



TB/HIV co-infection WHO European Region (2008)

- Оценочная распространённость ВИЧ-инфекции среди случаев ТБ = 5.6% (\approx 23.800 people)
- HIV testing coverage = **79%** (\approx 357.000 patients)
- HIV prevalence among tested TB = 3.0% (\approx 11.500 patients)
- **48% of TB/HIV patients are detected**
- **28% of TB/HIV patients are covered by ARV treatment**



HIV testing and treatment in TB patients, by WHO Regions (2008)

	HIV case finding among TB patients						TB case finding among PLHIV		
	Number of TB patients with known HIV status (thousands)	% of notified TB patients tested for HIV	% of notified TB patients HIV-positive	% of estimated HIV-positive TB cases identified by testing	% of identified HIV-positive TB patients started on CPT	% of identified HIV-positive TB patients started on ART	Regional distribution of estimated TB among HIV-positive (%)	Number of HIV-positive screened for TB (thousands)	Number of HIV-positive people provided IPT (thousands)
AFR	636	45	46	27	73	30	78	729	26
AMR	113	49	15	45	36	67	2.7	48	12
EMR	22	5.4	4.1	5.8	39	55	1.1	12	0.7
EUR	357	79	3.3	48	61	28	1.7	205	9.2
SEA	94	4.1	18	9.3	54	35	13	300	0.2
WPR	152	11	7.0	24	55	28	3.1	90	0.7
Global	1374	22	26	25	71	32	100	1384	48

Regional challenges

- Both epidemics spread within vulnerable “most at risk populations” i.e. drug users, prisoners and migrants
- Out of the system, poor access to services, marginalized and stigmatized
- Low uptake of HIV testing, limited access to ART
- Limited collaboration between the vertical HIV and TB programmes (drug dependence, STIs, viral hepatitis)
- Lack of integration between HIV and TB services