



HIV Drug Resistance Prevention in the WHO European Region

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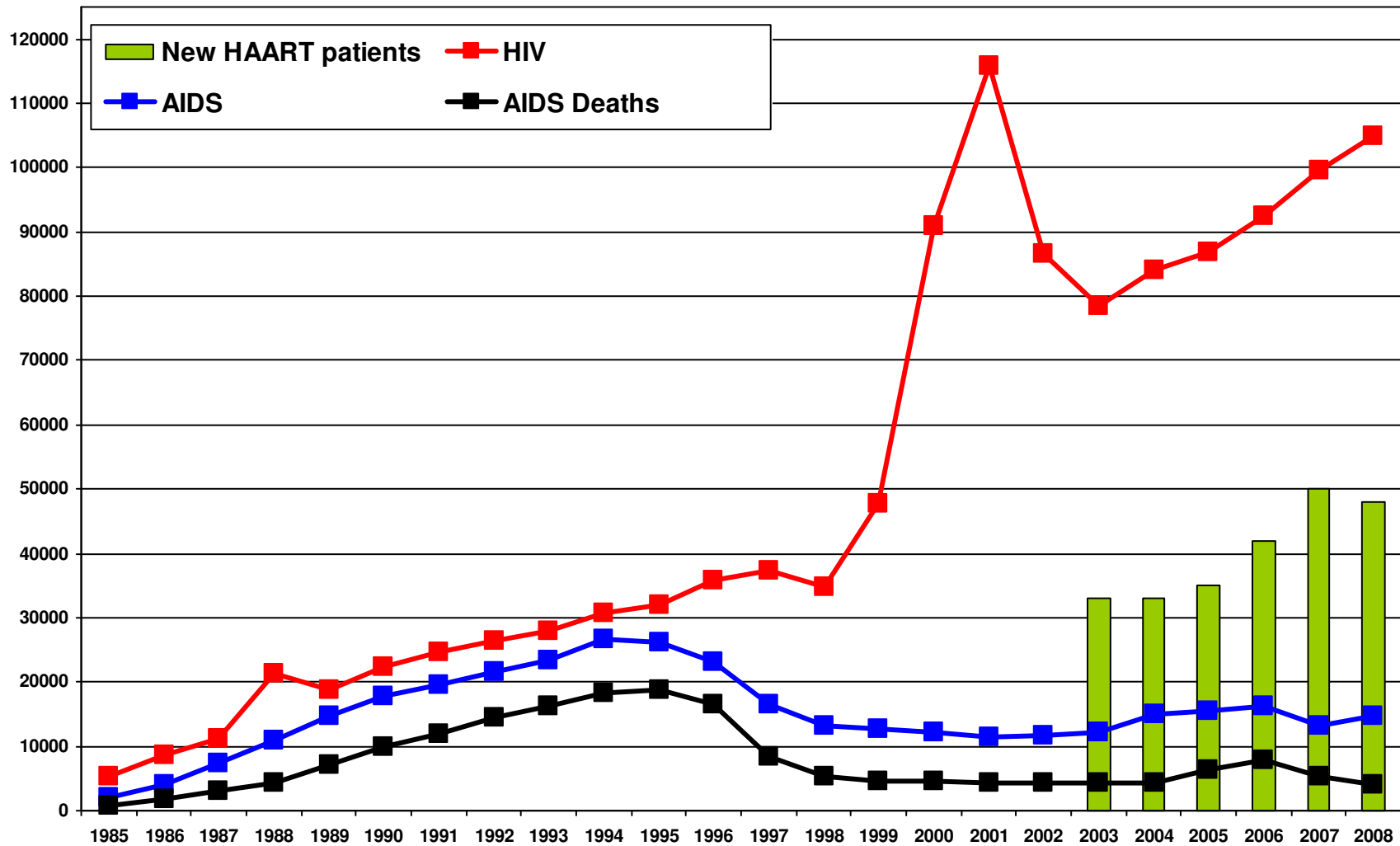
World Health Organization

Regional Office for Europe

Copenhagen

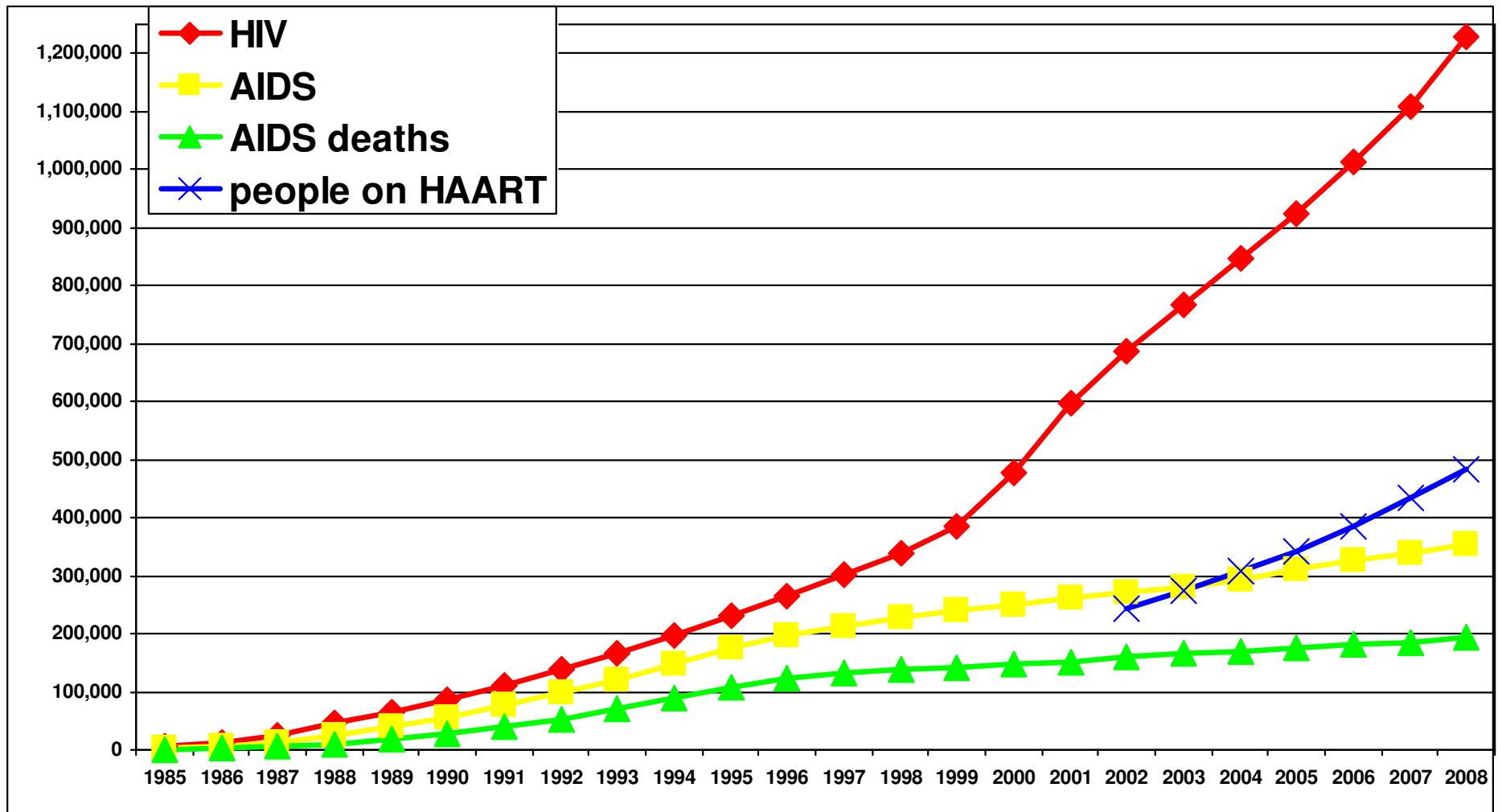


Annual number of newly reported cases WHO European Region



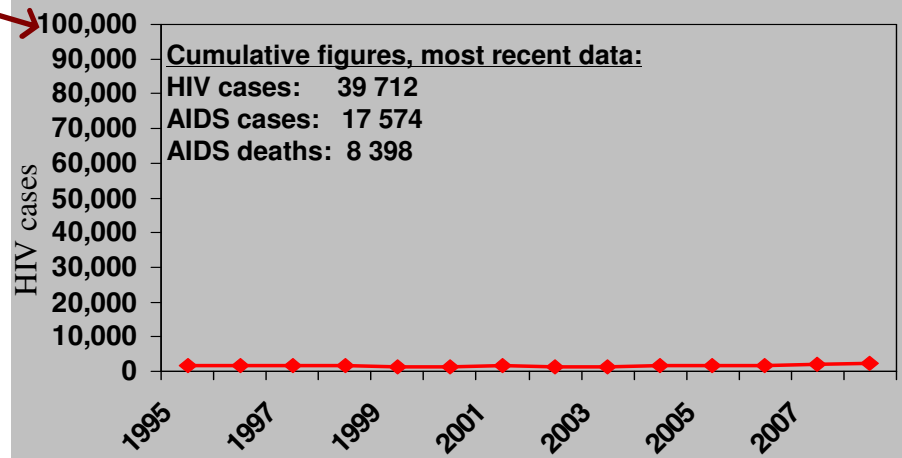
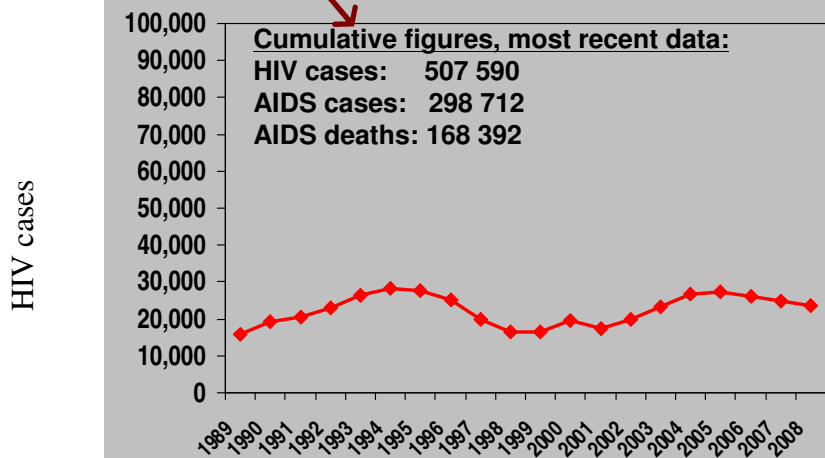
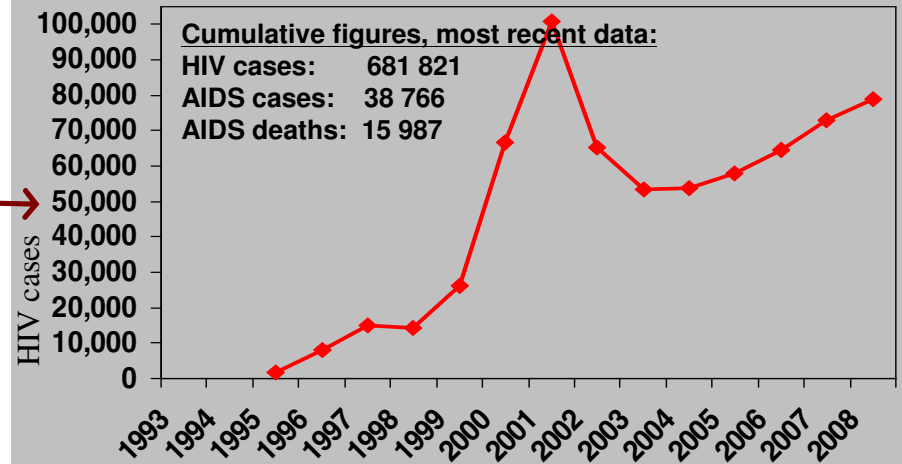


Cumulative number of reported cases – all WHO EURO countries, Most recent data



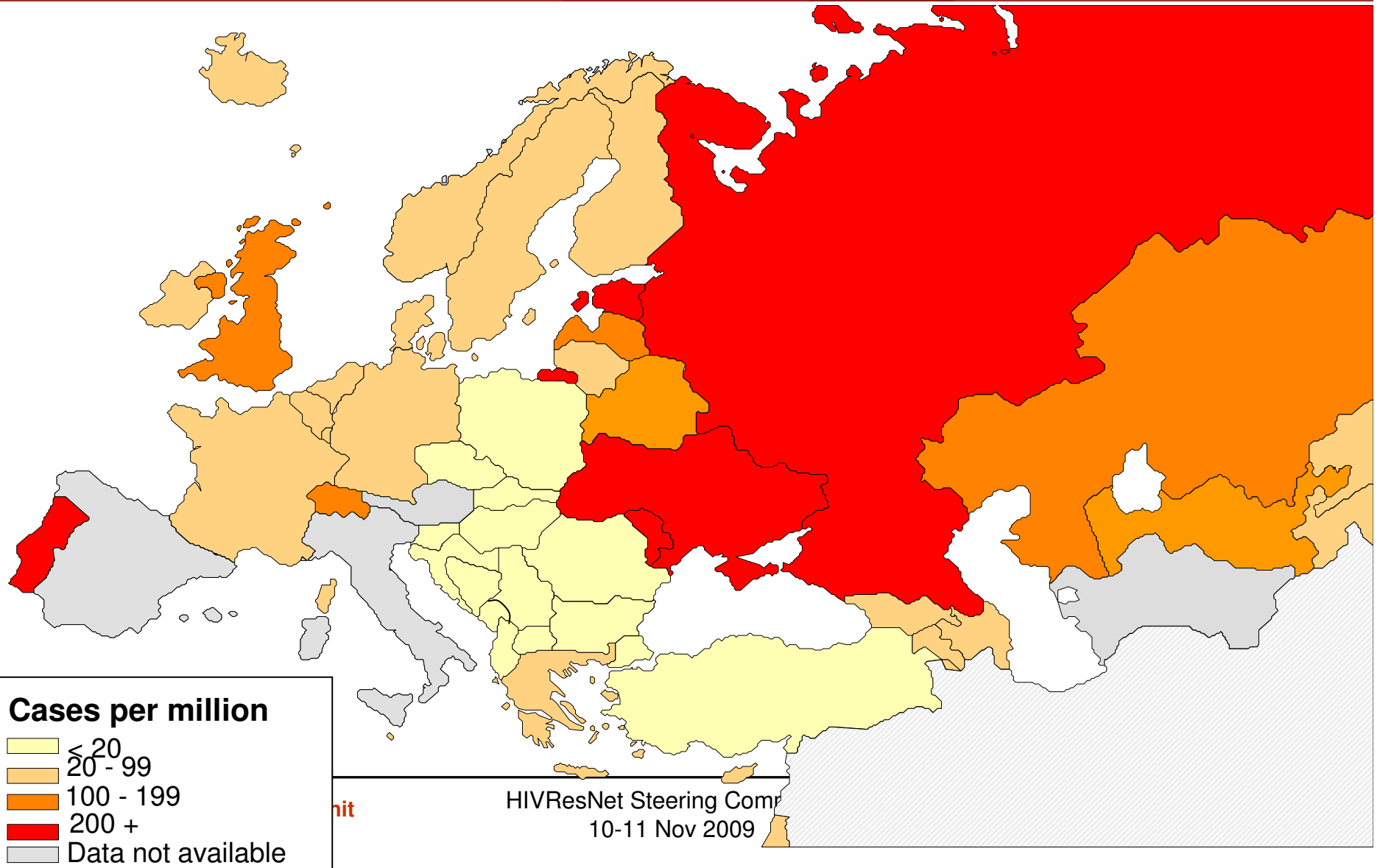


New Reported HIV cases, 1989-2008





Rates of newly reported HIV cases in the WHO European Region, 2007

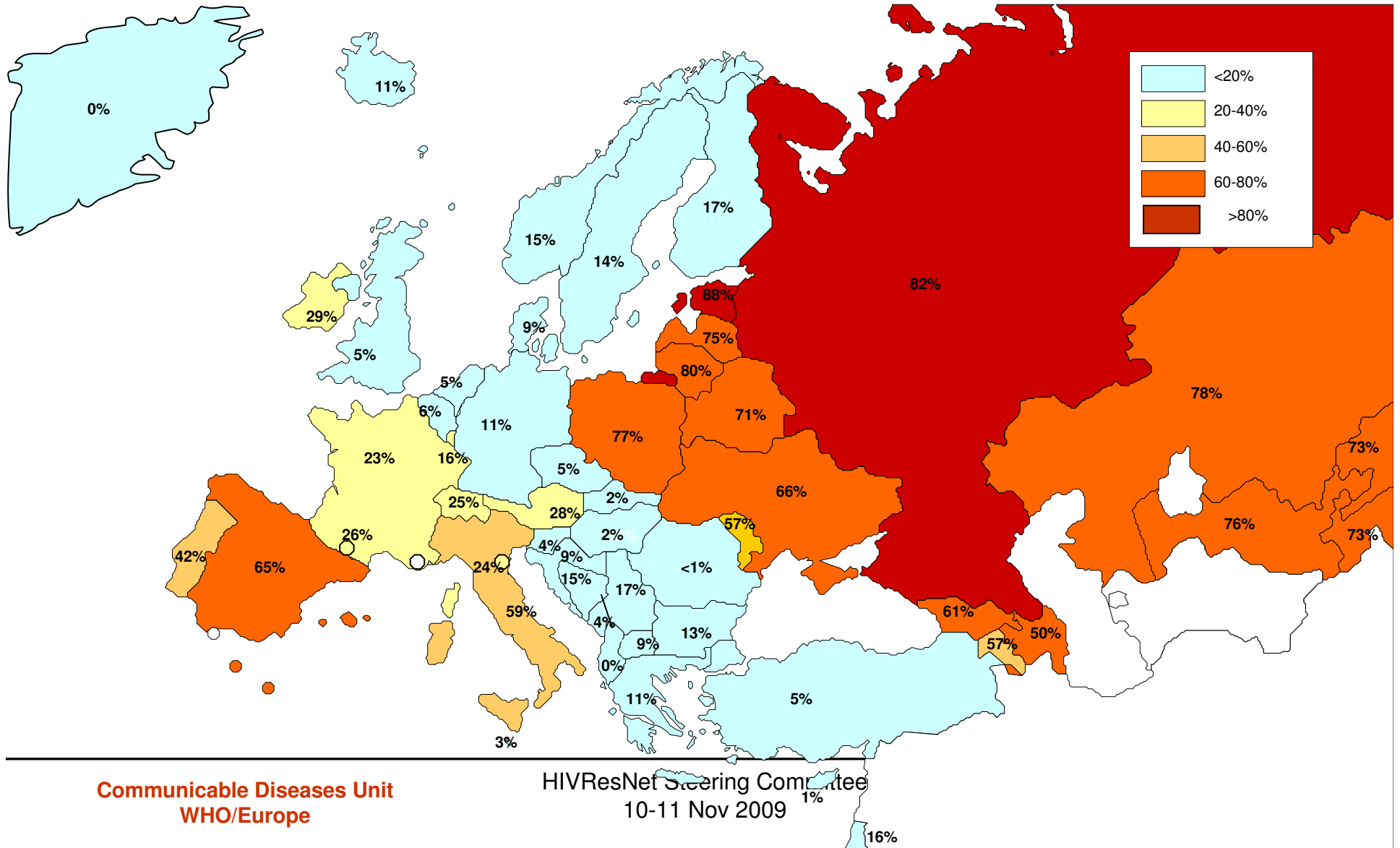




IDU as % of all HIV/AIDS cases with known transmission route, 2007

NOTE: % of AIDS cases in countries not reporting HIV: France, Italy, Spain

Sources: WHO/ECDC, national reports.



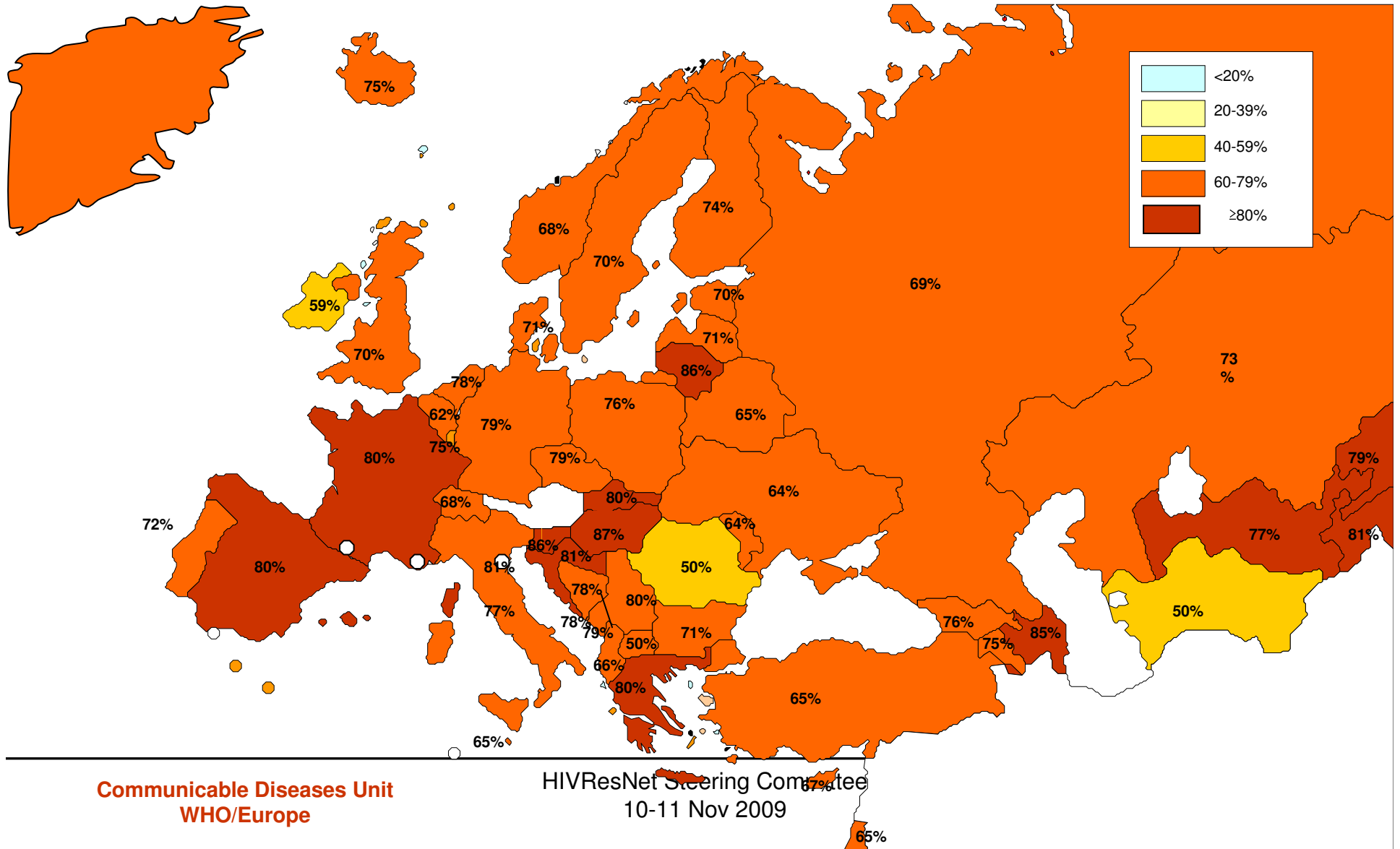


Men as % of all HIV/AIDS cases, Dec 2007

of those with known sex

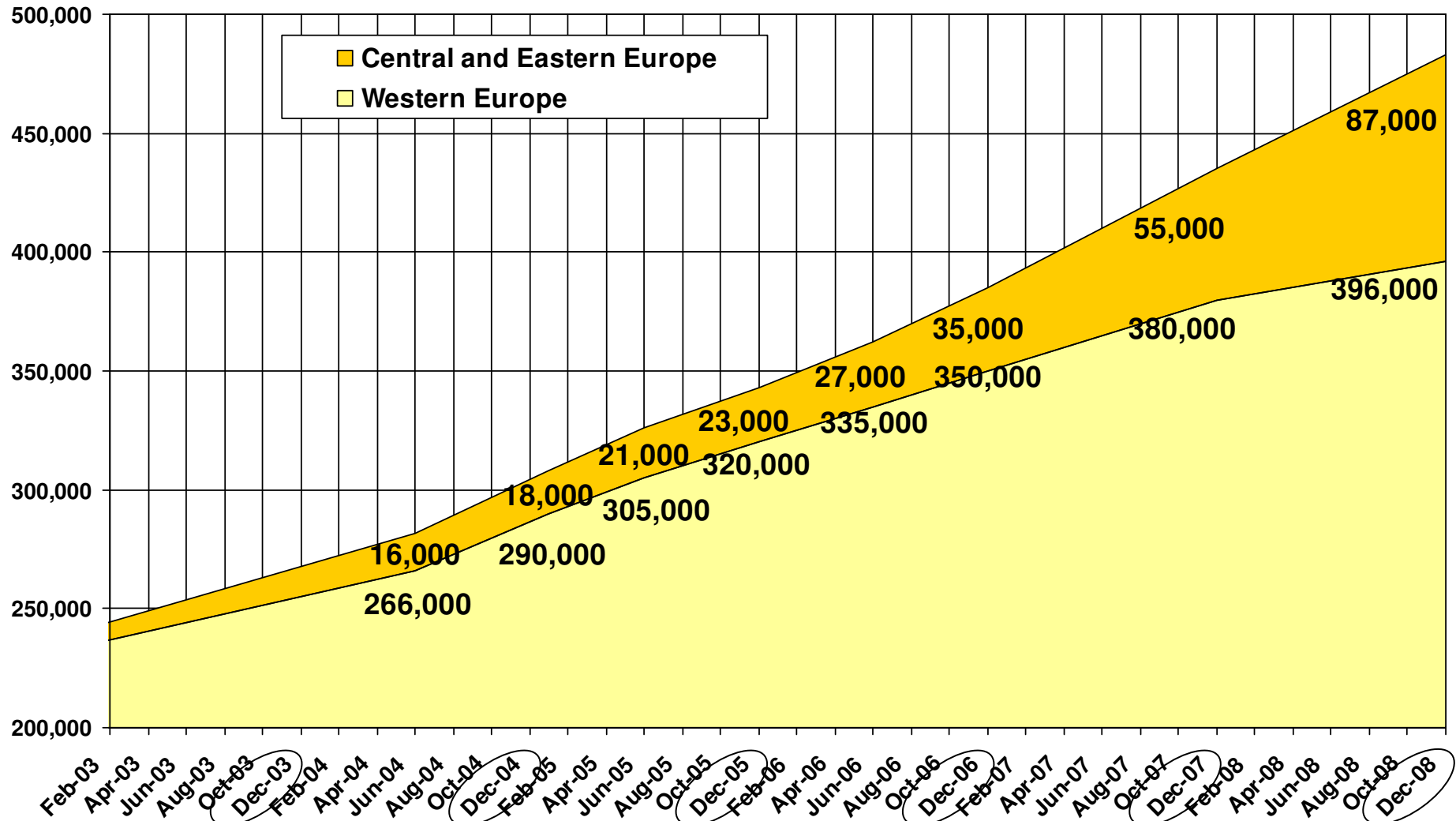
NOTE: % of AIDS cases in countries not reporting HIV: France, Italy, Spain

Source: ECDC/WHO





Scaling up treatment in Europe





Increase in ART in low- and middle-income countries, adults and children, December 2007–2008

Geographical region	Number of people receiving ARV therapy December 2008	Number of people receiving ARV therapy December 2007	Increase in one year
Sub-Saharan Africa	2 925 000	2 100 000	39%
Latin America and the Caribbean	445 000	390 000	14%
East, South and South-East Asia	565 000	420 000	35%
Europe and Central Asia	85 000	54 000	39%
North Africa and the Middle East	10 000	7 000	43%
Total	4 030 000 [3.7–4.4 million]	2 970 000 [2.7–3.3 million]	36%



Number of HIV and HAART patients

Source: WHO EURO survey, Dec 2007

	Patients seen for HIV care	Patients on HAART	# HAART facilities	Average # of HAART patients per facility
West	450,000 (3 MS not reporting)	396,000	1,100 (4 MS not reporting)	285 (range: 9-770)
Centre	20,000 (0 MS not reporting)	15,350	125 (1 MS not reporting)	125 (range: 9-500)
East	295,000 (0 MS not reporting)	72,000	800 (1 MS not reporting)	90 (range: 1-600)
Total	765,000	483,350	2,025	200



HIVDR Activities in Countries

- Eastern Europe
 - Russian Federation
 - Ukraine
 - Various countries in preparation (BLR, GEO, MDA, TJK)
- Western Europe
 - Accreditation of labs
 - Collaboration with ECDC, various groups



Ukraine : Achievements (1)

- National plan, Taskforce/working group in place
- Monitoring early warning indicators via patient monitoring database started
- Threshold surveys in 4 sites started
- Reference laboratory designated
- Annual reports



Ukraine : Achievements (2)

- HIVDR Task Force is functioning
- Technical support mission by HQ 6/2008
- Training of HIVDR staff in the National HIV and Retrovirology Lab Ottawa/Canada
- Financial support from WHO HQ (Gates' grant)



Ukraine – Challenges

- Continuing overall political and economical instability in the country
- State slashed spending on the National AIDS Program activities in 2009 due to financial problems.
- State funding for purchasing DR tests and other expendables was not provided in 2009.
- Lack of human resources in DR monitoring area
 - ◇ Turnover of lab staff
 - ◇ part-time jobs only
 - ◇ holding of more than one duty (VL, CD4, PCR, DR)



Ukraine – Plans for 2009-2010

- HIVDR transmission survey in 4 sites completed next year
- Survey on monitoring early warning indicators in 4 sentinel sites initiated
- Cohort survey on HIVDR in ART patients
- Establishing cooperation with CDC/US and National HIV and Retrovirology Lab Ottawa/Canada in genotyping and SOP development
- Strengthening capacity of the NRL in HIVDR



Russia: Achievements (1)

- HIVDR working group is in place (affiliated to the Russia National Institute of Epidemiology)
- National guidelines for prevention of DR transmission published
- Threshold surveys in 8 regions were done (level of HIVDR is less than 5%)
- 1 HIVDR monitoring survey done, results currently analyzed



Russia: Achievements (2)

- First national conference on HIVDR held in Moscow in September 2008
- Two national experts trained in Zagreb : 1 of Federal AIDS Centre and 1 of Central Research Institute for Epidemiology
- The process of WHO accreditation of the National HIVDR Lab started
- Capacity building and curricula integration started – 72 hours certificate course on laboratory diagnosis of HIVDR integrated in the continuous professional development program scheduled for October-November 2009



Russia: Next Steps

- National HIVDR plan for next two years developed and approved by the MoH
- Tools for monitoring of EWI are designed and EWI are collected
- Completion of WHO accreditation for national reference genotyping laboratory
- Regular HIVDR monitoring and threshold surveys – development of the online data base for HIVDR by the Federal AIDS Center
- Annual reports



Surveillance KH : Training Course

- Transmission of HIVDR
- Effects of DR on treatment outcomes
- Mutations associated with HIVDR
- Testing for HIVDR in the laboratory
- Monitoring Early Warning Indicators
- Implementation of surveys to evaluate HIVDR prevention in sentinel ART sites
- Information technology tools/applications for surveys
- WHO recommendations for development of a national HIVDR prevention and assessment strategy



Target Audience

- HIV surveillance staff
- M&E staff working on ART programme monitoring
- Epidemiologists, clinical staff with an interest in HIVDR surveillance and monitoring
- Virologists interested in HIVDR assessment
- First course 17-23 Nov 2008: 19 participants from 12 countries



Sources

The screenshot shows the WHO website interface. At the top, there are navigation links in Arabic, Chinese, English, French, and Russian. The main content area is titled 'Drug resistance' and includes a sidebar with navigation options like 'Home', 'About WHO', 'Countries', 'Health topics', 'Publications', 'Data and statistics', 'Programmes and projects', 'Drug resistance', 'Raising awareness', 'Promoting information-sharing', 'Surveillance', and 'Technical guidance'. The main text discusses the battle against infectious diseases and the emergence of drug resistance. A red ribbon icon is visible. On the right, there is a section for 'Welcome to WHO Collaborative Centre for Capacity Building in HIV Surveillance' with details about the center's mission and location. Below this, there are 'Upcoming courses' listed with dates and locations.

WHO/EURO www.euro.who.int/aids

WHO/HQ www.who.int/drugresistance

KH Zagreb www.surveillancezagreb.org