



EuroSIDA

The role of EuroSIDA in HIV, HCV and TB research in Central East and Eastern Europe

**EuroSIDA 25 years:
What have we learned from cohort studies?**

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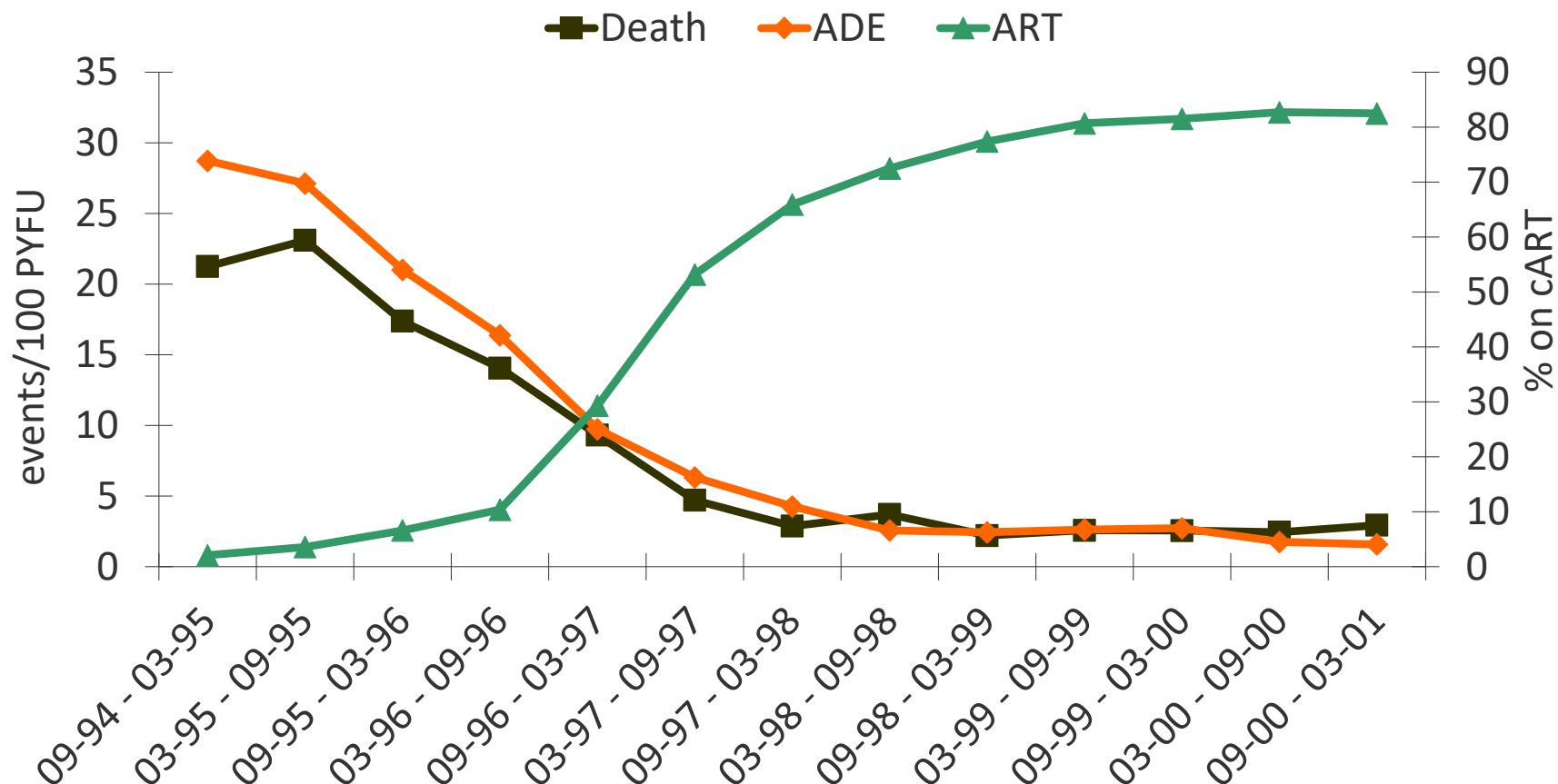
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European AIDS Clinical Society Conference, Basel, 2019

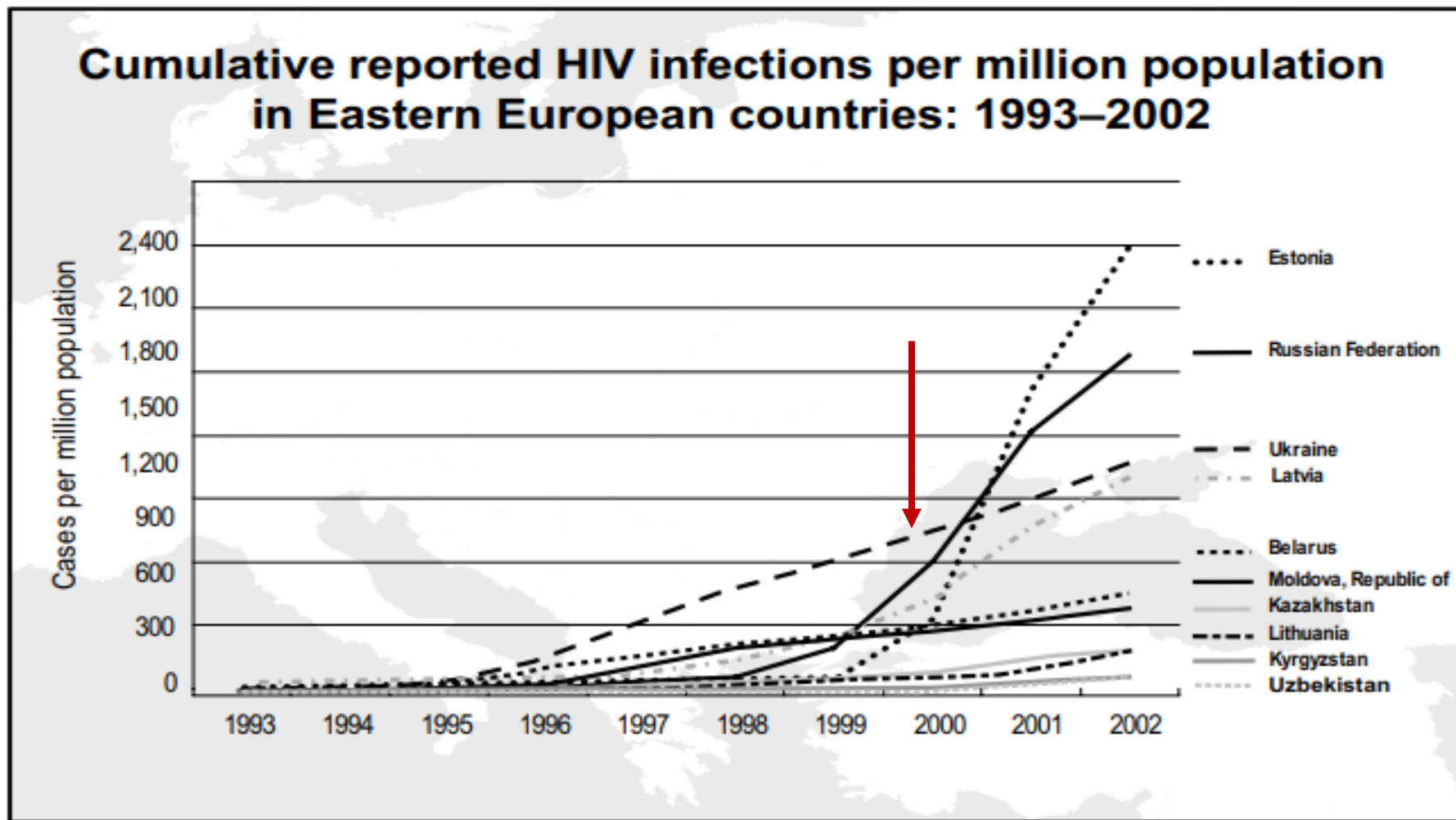
EuroSIDA 1994-1999



Continued impact of ART on HIV morbidity and mortality: Western Europe



UNAIDS report



Source: National AIDS Programmes (2002) HIV/AIDS surveillance in Europe. End-of-year report. Data compiled by the European Centre for the Epidemiological Monitoring of AIDS.

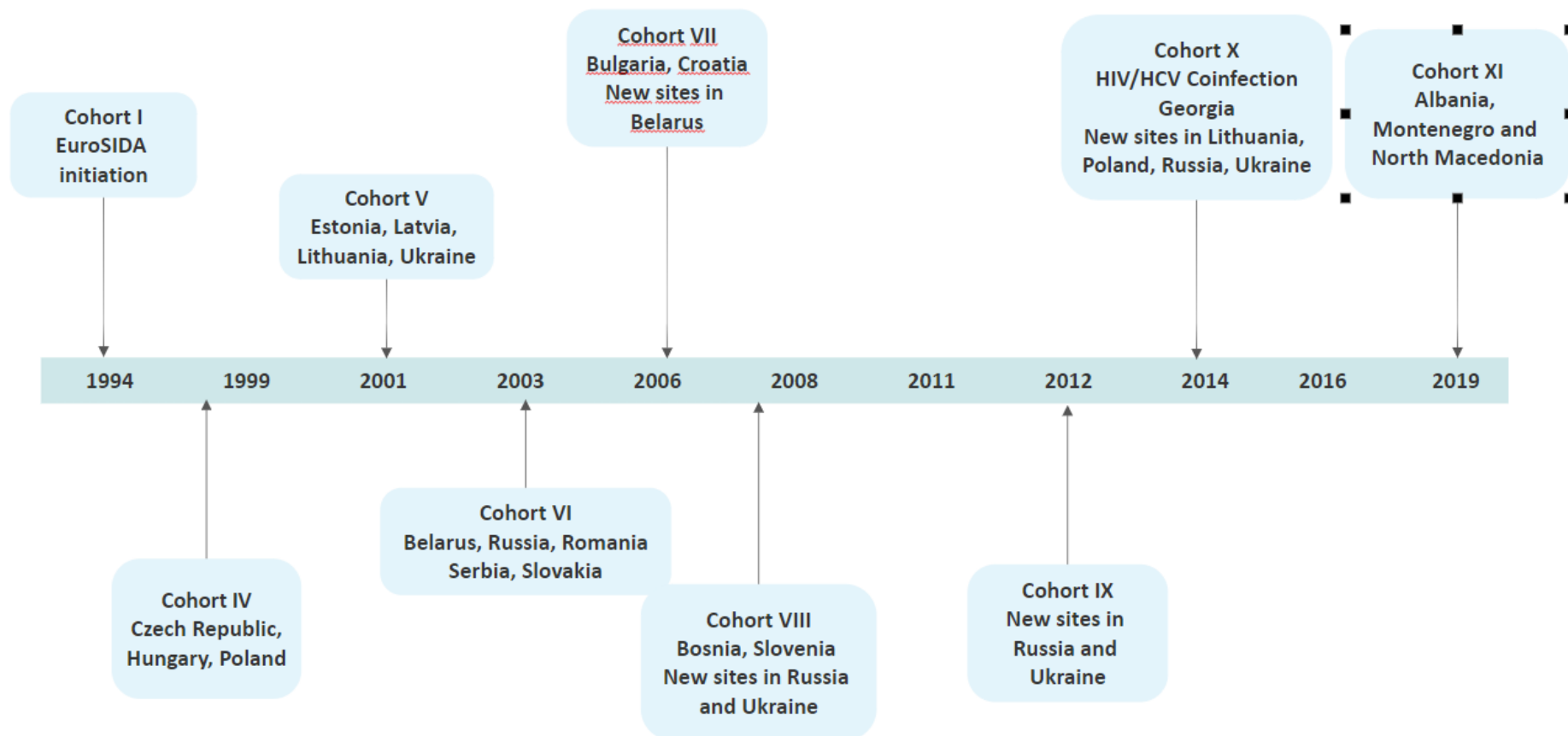
EuroSIDA 1994-1999



Challenges in CE/EE

- Post-Soviet political changes, decreased economy in many countries
 - Rise in IDU – main driver of HIV epidemic in many CE/EE countries
- Limited surveillance systems
- Limited experience of clinicians in clinical trials and international research
- Cultural and language barriers
- Bureaucracy

EuroSIDA in CE/EE over time

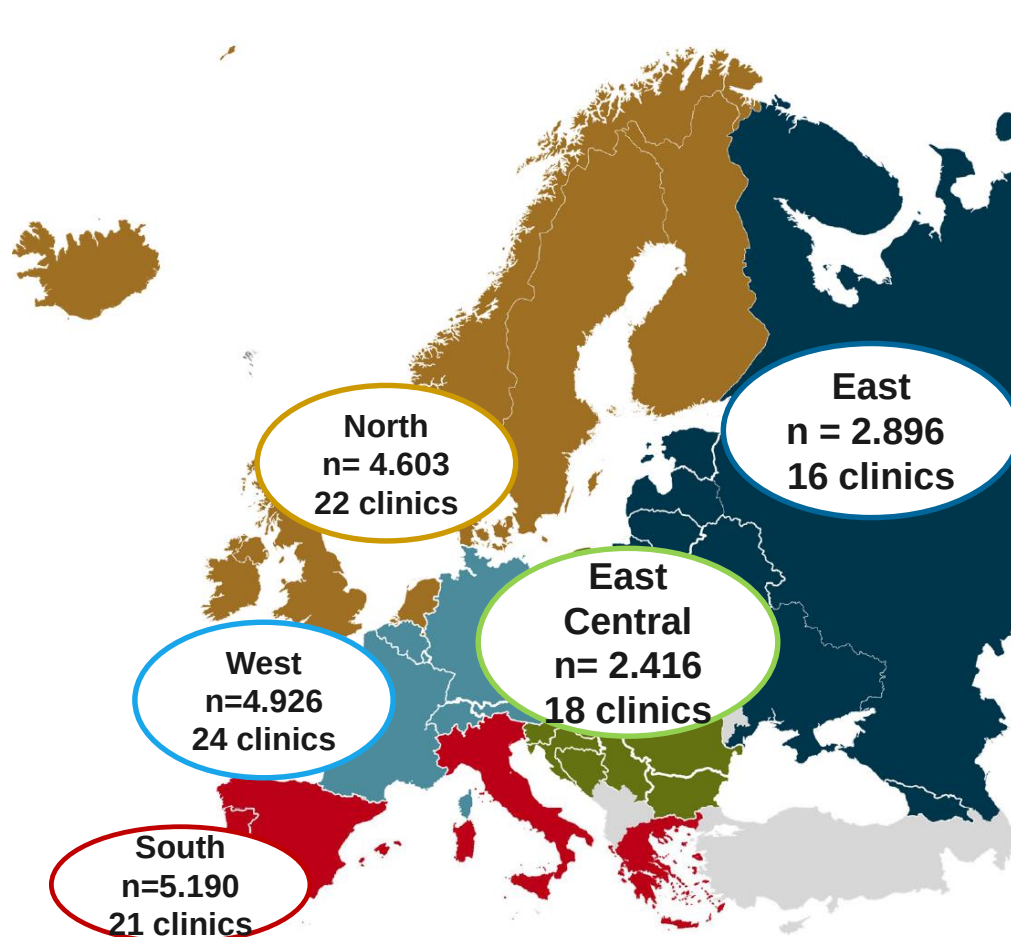


EuroSIDA regions over time

1999



2019

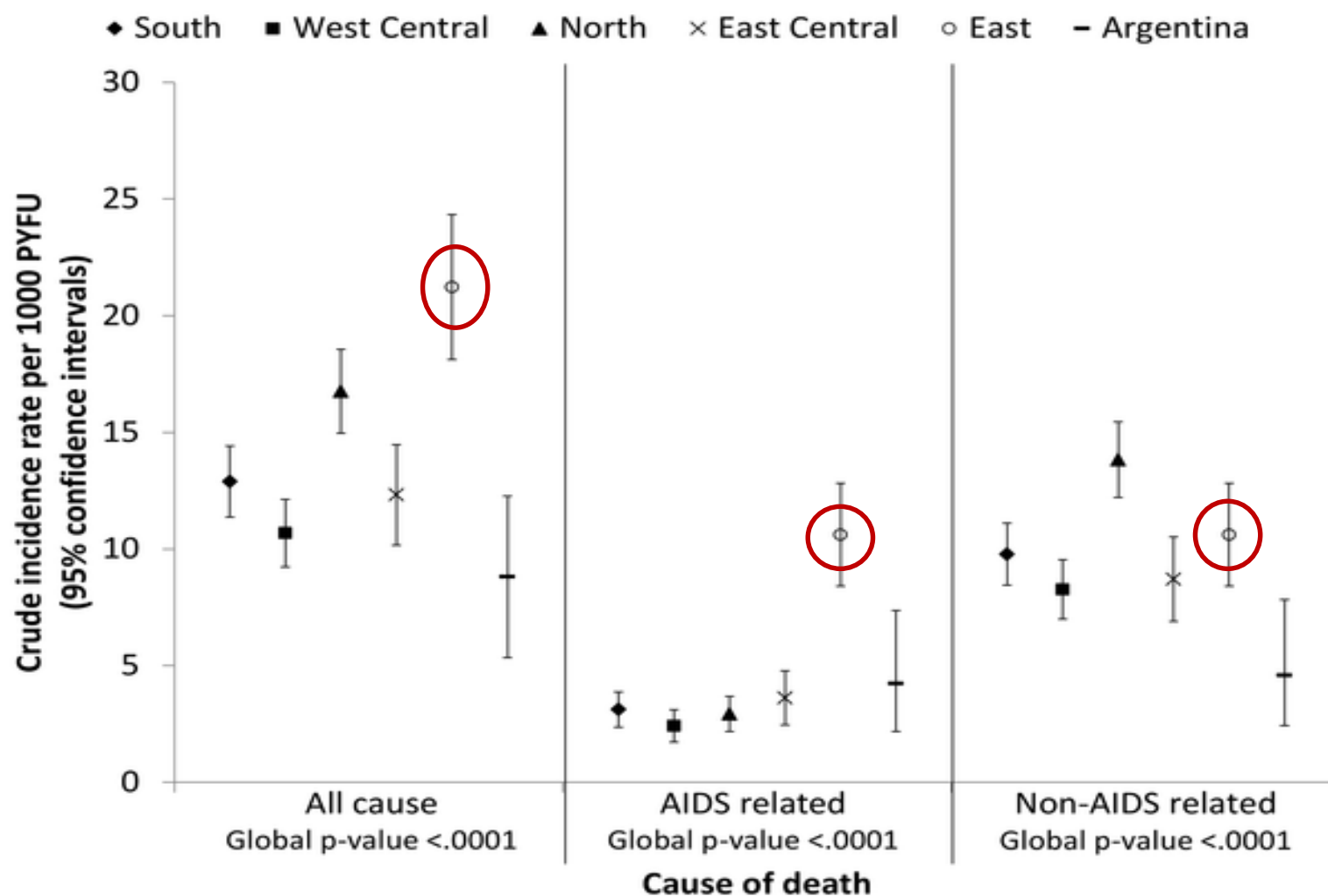


Characteristics of PLWH across Europe

$p < 0,001$ for all variables

	South N=2554	West Central N=1823	North N=1913	East Central N=1093	East N=1088
Age, yrs; median	44	47	48	40	31
Female, %	28	24	20	29	44
IVDU, %	25	13	9	25	45
HCV, %	28	19	13	29	48
On cART, %	82	80	90	75	43
AIDS diagnosis, %	28	33	31	24	24
Pulmonary TB, %	19	9	8	16	17
HIV wasting, %	5	9	5	14	22
Time from HIV diagnosis, months; median	156	175	178	103	66

Mortality rate in PLWH across European regions

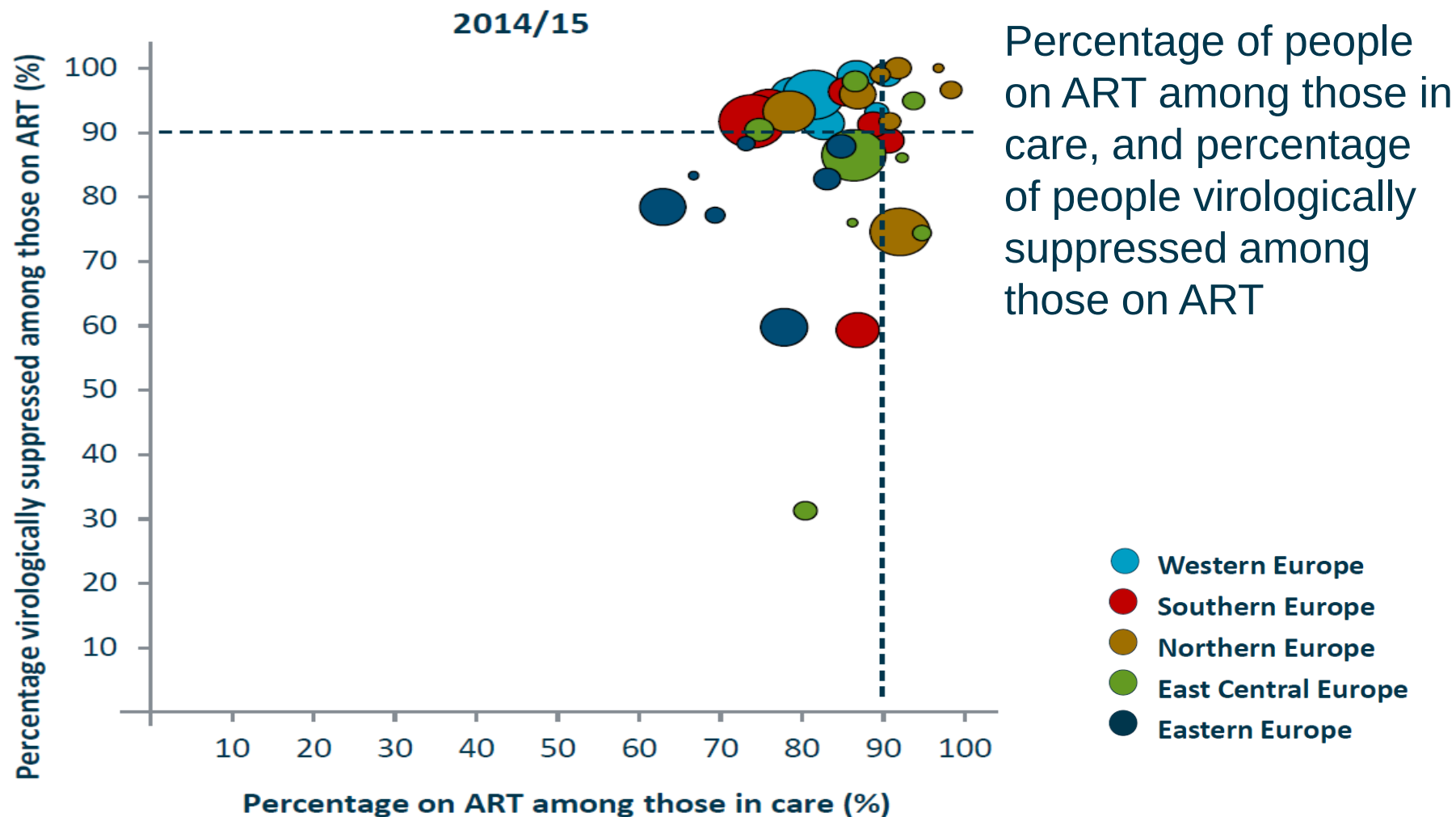


Reekie J, Kowalska JD, Karpov I, Rockstroh J, Karlsson A, et al. (2012) Regional Differences in AIDS and Non-AIDS Related Mortality in HIV-Positive Individuals across Europe and Argentina: The EuroSIDA Study. PLOS ONE 7(7): e41673.

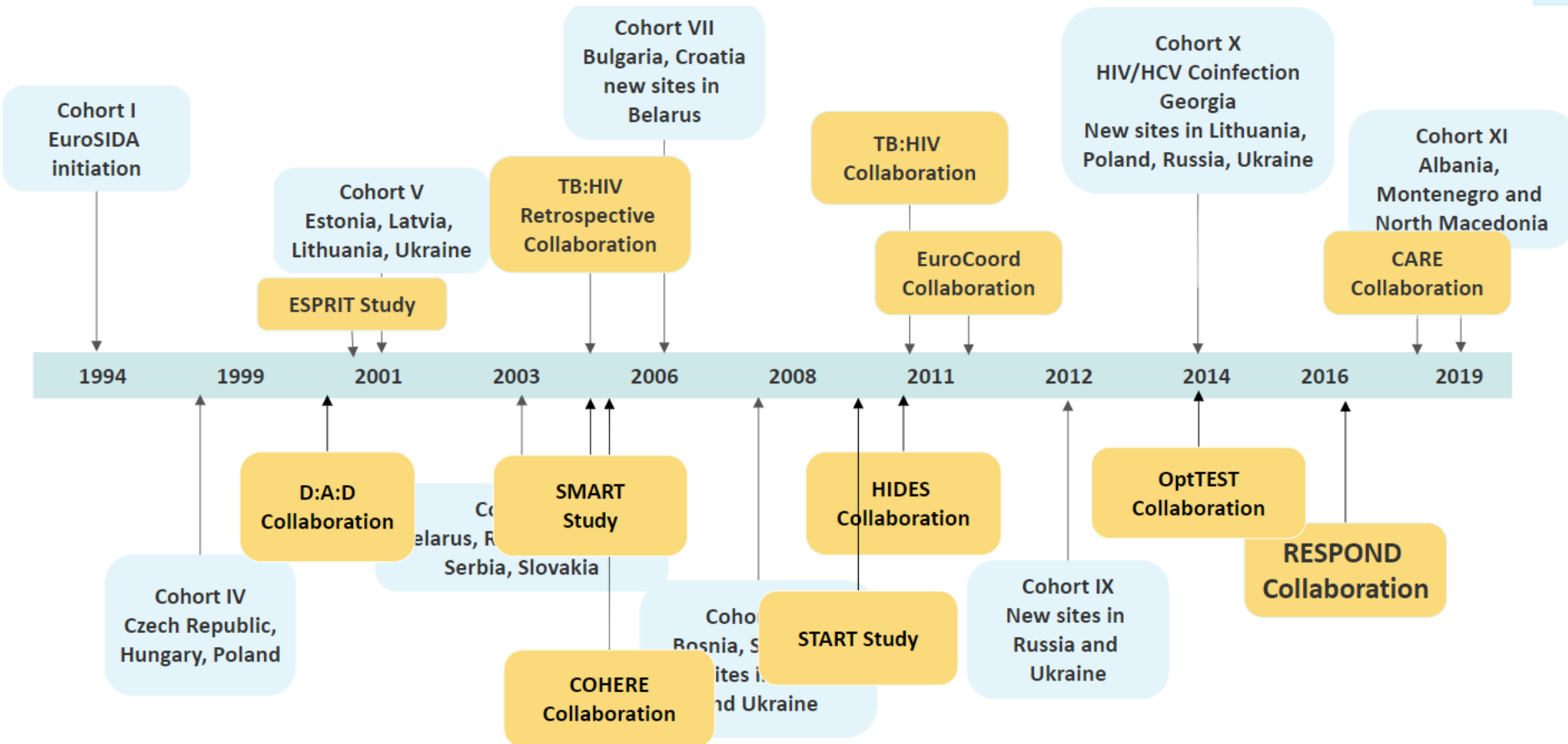
<https://doi.org/10.1371/journal.pone.0041673>

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0041673>

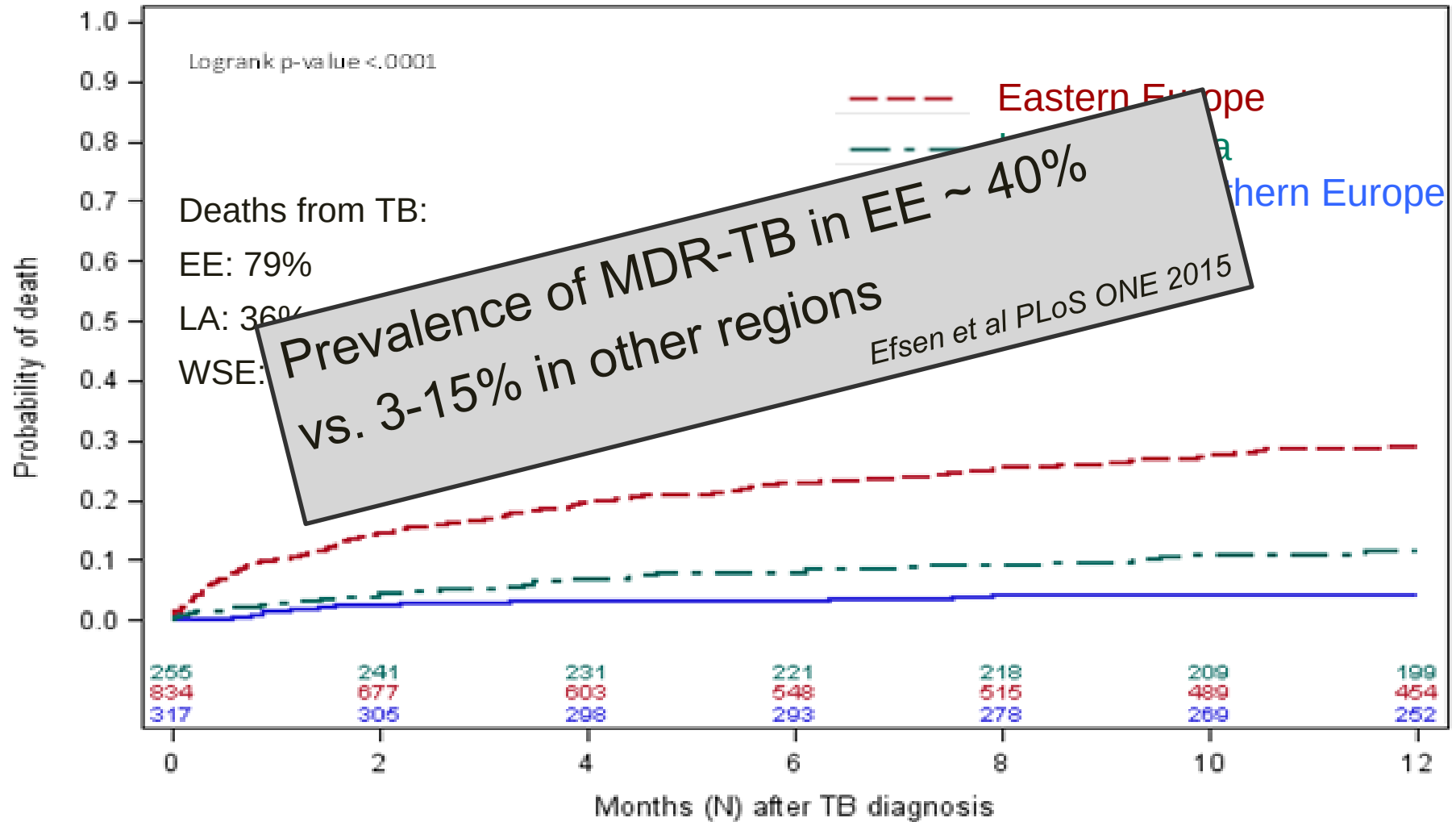
Benchmarking HIV care



CE/EE in international collaborations and randomised clinical trials

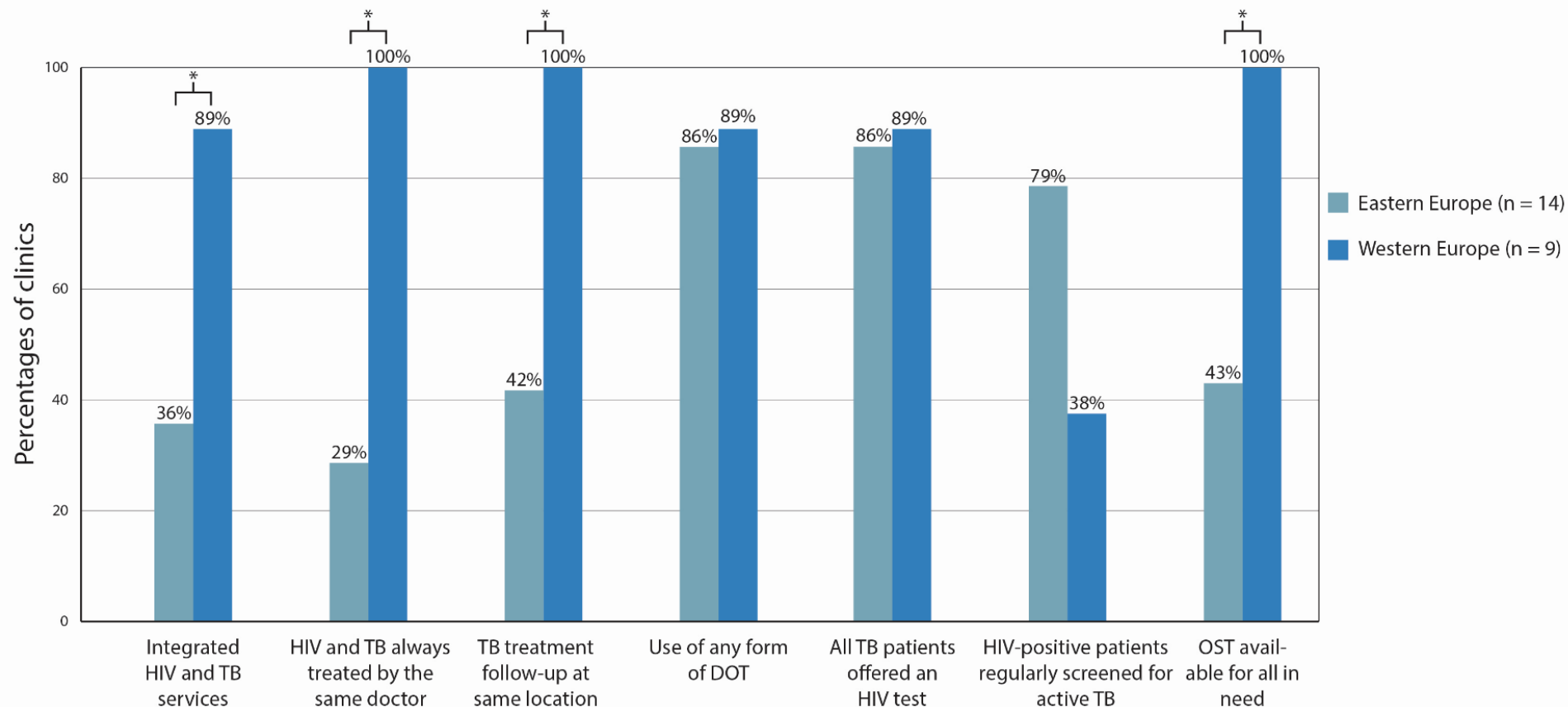


Mortality in TB/HIV patients

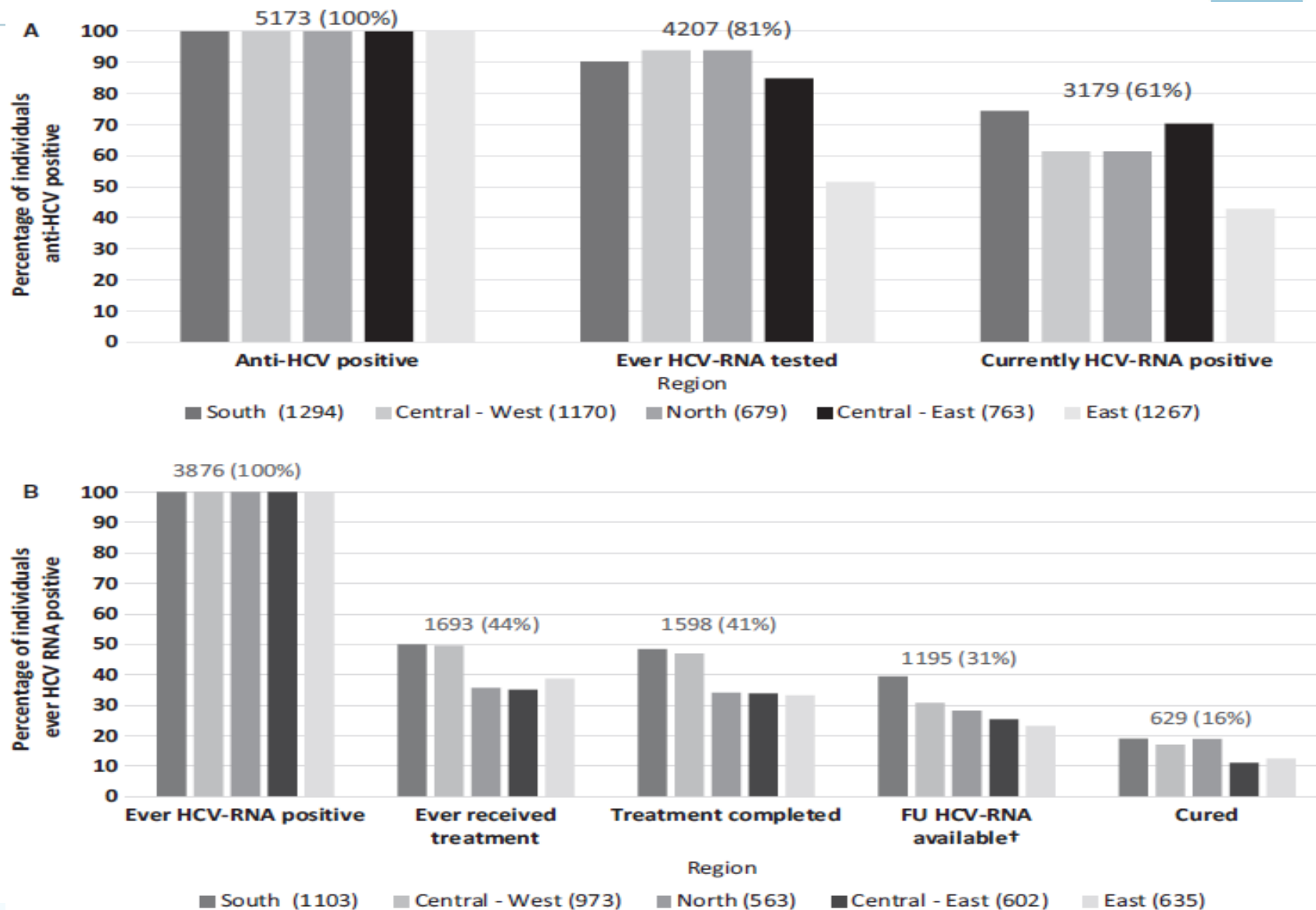


TB/HIV Healthcare across Europe

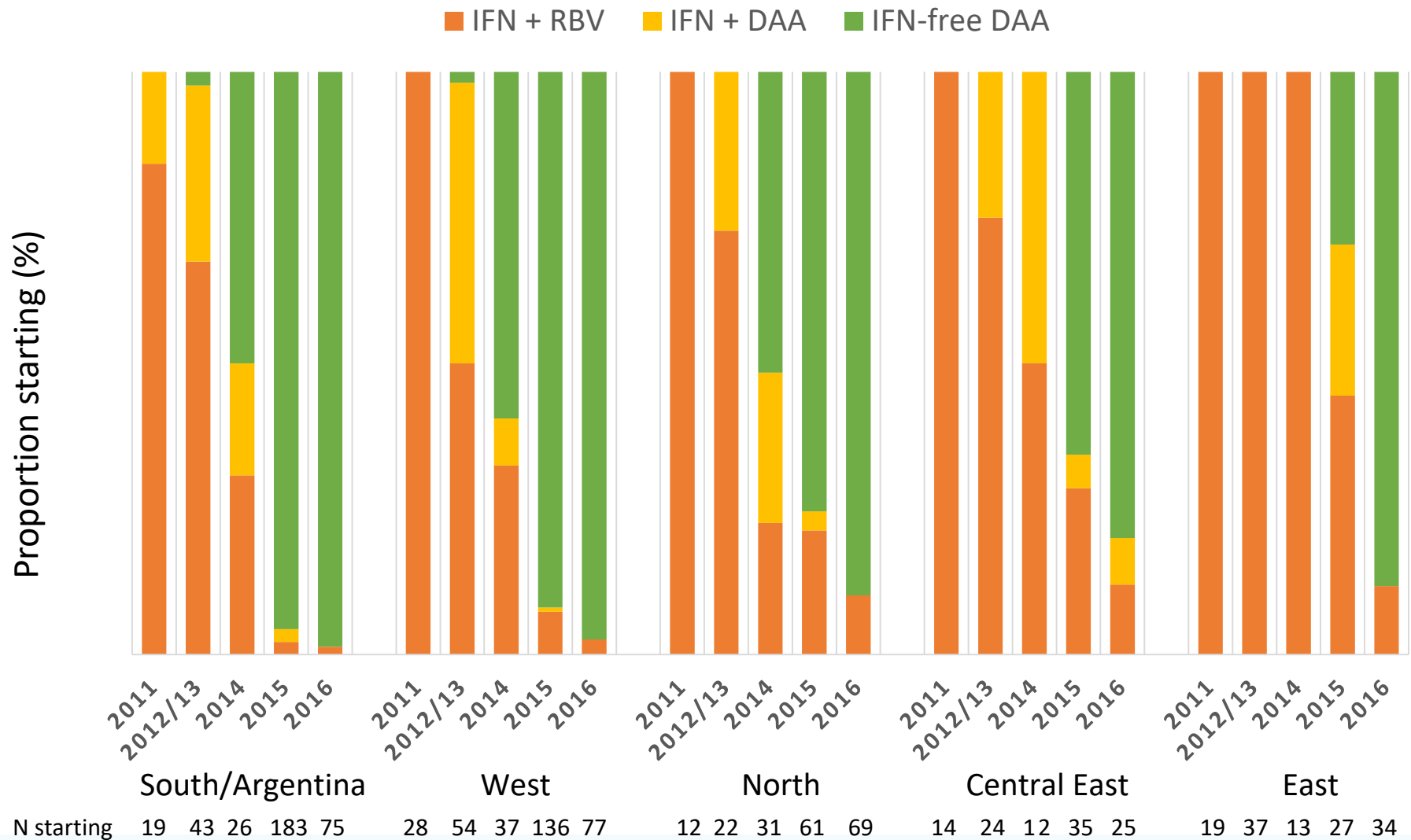
Organization and integration of healthcare services in Eastern Europe and Western Europe



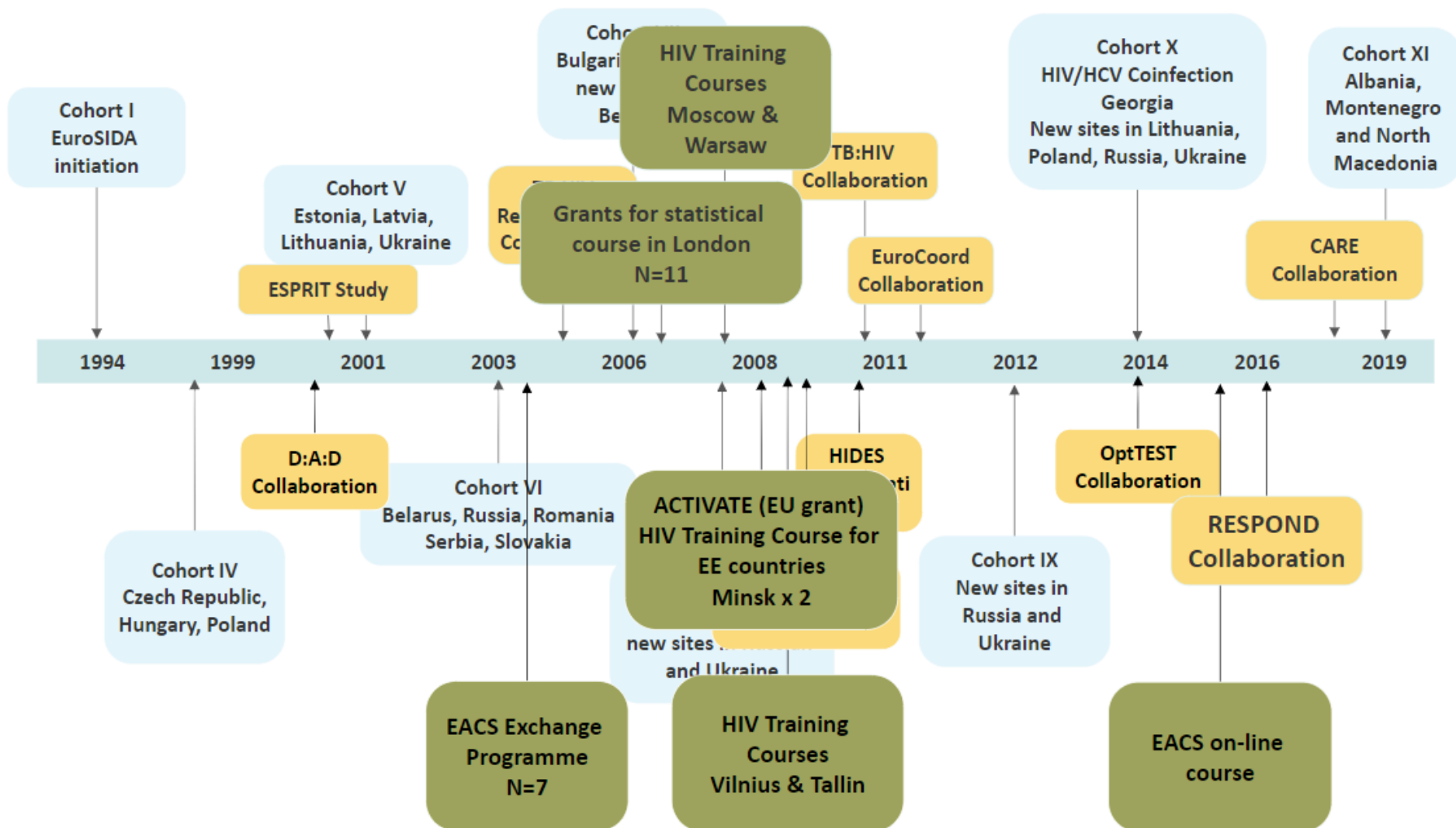
HCV continuum of care by European region



Use of different HCV treatment regimens across European regions over time



EuroSIDA: education in CE/EE



Alarming rise in new HIV infections in Eastern Europe and Central Asia: UNAIDS 2017

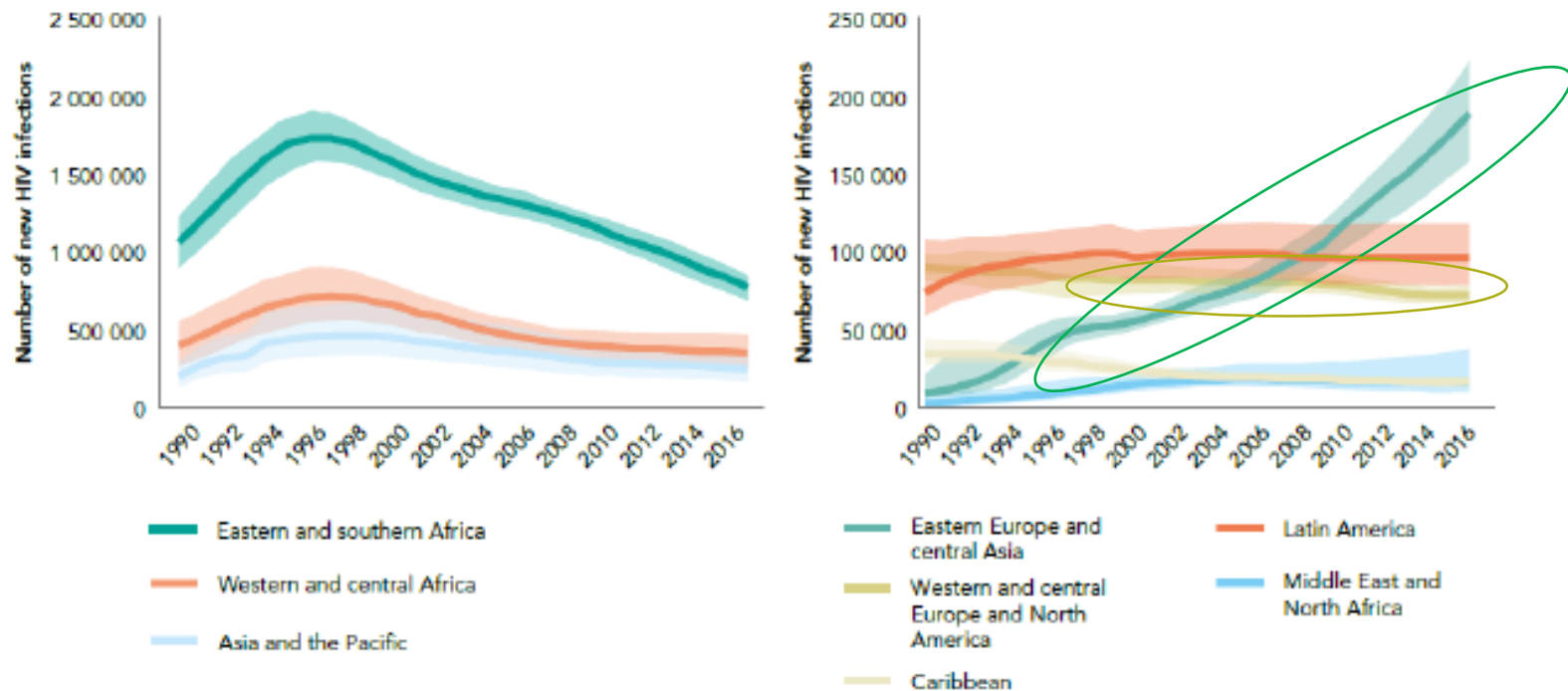


FIGURE 2.7. NEW HIV INFECTIONS, ALL AGES, GLOBAL, 1990–2016 AND 2020 TARGET

Source: UNAIDS 2017 estimates.

Summary

- EuroSIDA – the only multinational prospective observational cohort study of PLWH, significantly represented in CE/EE region
 - Large collegial network of clinicians
 - Fruitful longstanding collaboration
 - Involvement in other networks/studies/collaborations
 - Participation in conferences/ courses
 - Addresses clinical and epidemiological aspects of HIV epidemic, highlights areas for improvement, attracts political attention
- From cohort studies – to randomized trials and partners on EU grants
- Future:
 - Continuous specific focus on the HIV epidemic in the eastern part of Europe and in expanding the network into countries with poor or no existing HIV surveillance
 - Will roll-out of ART in EE translate into decreased differences in outcome of PLWH across Europe?

EuroSIDA Study Group: CE/EE



The multi-centre study group, EuroSIDA (national coordinators in parenthesis)

Albania: (A Harxhi), University Hospital Center of Tirana, Tirana **Belarus:** (I Karpov), A Vassilenko, Belarus State Medical University, Minsk, VM Mitsura, Gomel State Medical University, Gomel; D Paduto, Regional AIDS Centre, Svetlogorsk. **Bosnia-Herzegovina:** (V Hadziosmanovic), Klinicki Centar Univerziteta Sarajevo, Sarajevo. **Croatia:** (J Begovac), University Hospital of Infectious Diseases, Zagreb. **Czech Republic:** (L Machala), D Jilich, Faculty Hospital Bulovka, Prague; D Sedlacek, Charles University Hospital, Plzen. **Estonia:** (K Zilmer), West-Tallinn Central Hospital, Tallinn; Jelena Smidt, Nakkusosakond Siseklinik, Kohtla-Järve. **Georgia:** (N Chkhartishvili) Infectious Diseases, AIDS & Clinical Immunology Research Center, Tbilisi **Greece:** (H Sambatakou), Ippokration General Hospital, Athens; G Adamis, N Paissios, Athens General Hospital "G Gennimatas" **Hungary:** (J Szilávik), Szent László Hospital, Budapest. **Lithuania:** (V Uzdavinienė) Vilnius University Hospital Santaros Klinikos, Vilnius; R Matulionyte, Centro poliklinika, Vilnius, Vilnius University Hospital Santaros Klinikos, Vilnius. **Montenegro:** (S Dragas), M Stevanovic, Clinical Center of Montenegro, Podgorica. **North Macedonia:** (J Trajanovska), University Clinic for Infectious Diseases & Febrile Conditions, Mother Teresa 17, Skopje. **Poland:** (B Knysz), J Gasiorowski, M Inglot, Medical University, Wrocław; E Bakowska, Centrum Diagnostyki i Terapii AIDS, Warsaw; R Flisiak, A Grzeszczuk, Medical University, Białystok; M Parczewski, K Maciejewska, B Aksak-Was, Medical University, Szczecin; M Beniowski, E Mularska, Ośrodek Diagnostyki i Terapii AIDS, Chorzów; E Jablonowska, J Kamerys, K Wojcik, Wojewódzki Szpital Specjalistyczny, Łódź; I Mozer-Lisewska, B Rozplochowski, Poznań University of Medical Sciences, Poznań. **Romania:** (R Radoi), C Oprea, Carol Davila University of Medicine and Pharmacy Bucharest, Victor Babes Clinical Hospital for Infectious and Tropical Diseases, Bucharest. **Russia:** A Yakovlev, Medical Academy Botkin Hospital, St Petersburg; T Trofimova, Novgorod Centre for AIDS, Novgorod, I Khromova, Centre for HIV/AIDS & Infectious Diseases, Kaliningrad; E Kuzovatova, Nizhny Novgorod Scientific and Research Institute of Epidemiology and Microbiology named after Academician I.N. Blokhina, Nizhny Novgorod; E Borodulina, E Vdoushkina, Samara State Medical University, Samara. **Serbia:** (G Dragovic), The Institute for Infectious and Tropical Diseases, Belgrade. **Slovenia:** (J Tomazic), University Clinical Centre Ljubljana, Ljubljana. **Ukraine:** A Kuznetsova, Kharkov State Medical University, Kharkov; J Mikhaliuk, Crimean Republican AIDS centre, Simferopol; M Sluzhynska, Lviv Regional HIV/AIDS Prevention and Control CTR, Lviv