

# **Lessons from HIV/AIDS**

**Peter Piot**

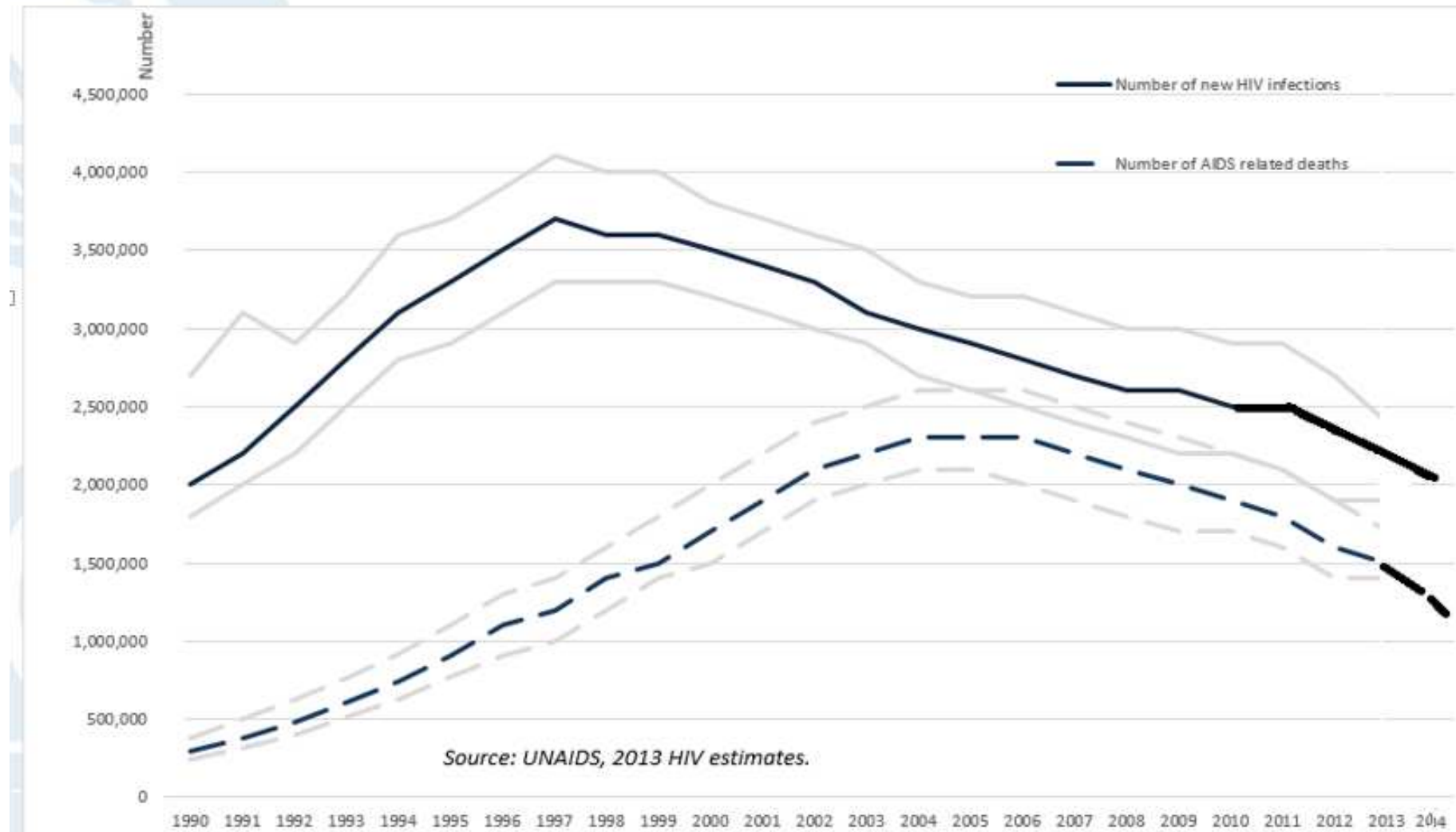
**EU-CIS Seminar  
Emerging and Re-emerging Infectious  
Diseases**

**Fondation Mérieux  
Veyrier-du-Lac  
14.9.2015**

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# New HIV infections and AIDS deaths



INSIDE THIS WEEK: TECHNOLOGY QUARTERLY

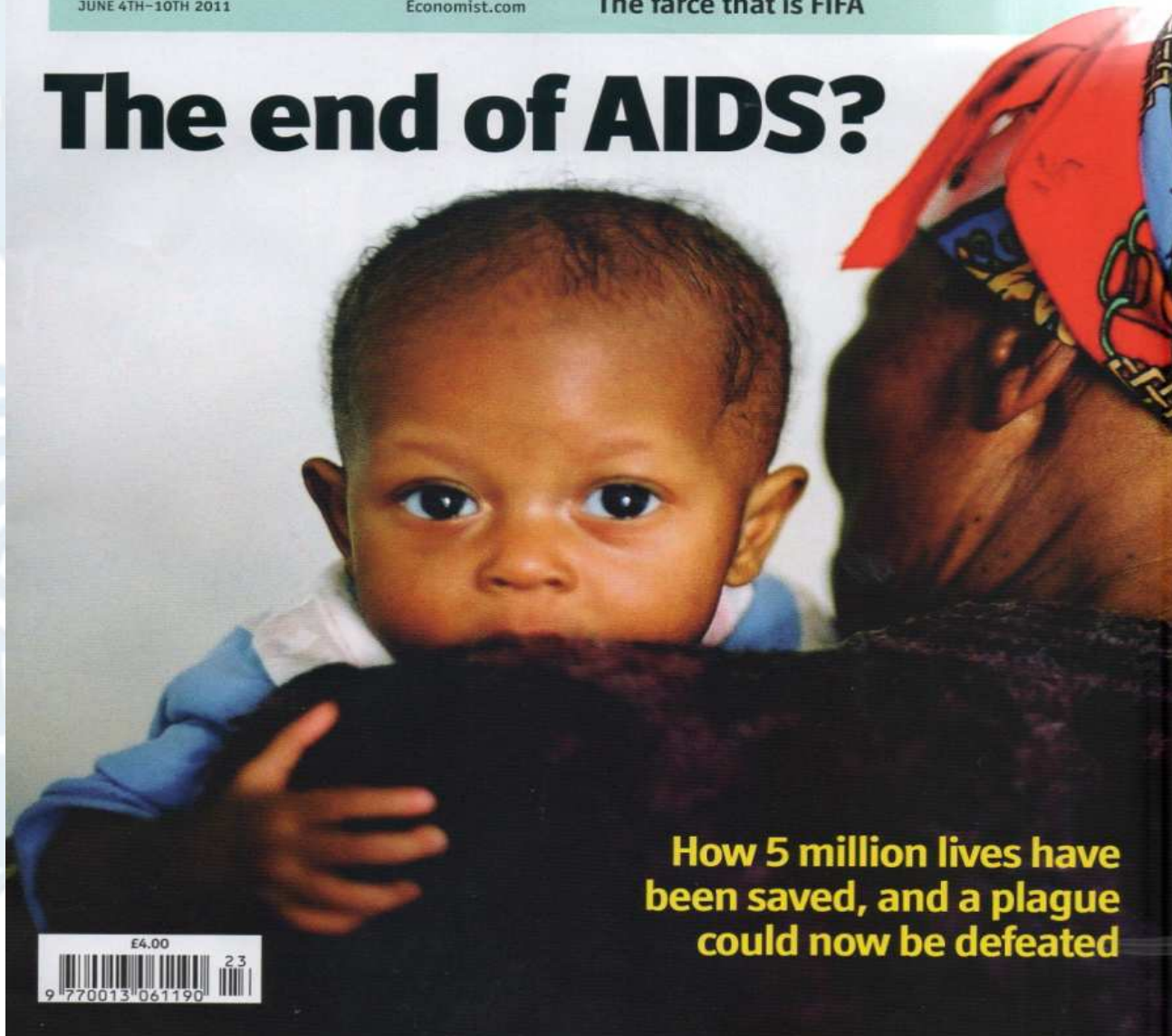
# The Economist

JUNE 4TH-10TH 2011

Economist.com

The trap for Turkey  
Wall Street's plumbing problem  
Lady Gaga, Mother Teresa and profits  
Brazil's boiling economy  
The farce that is FIFA

## The end of AIDS?



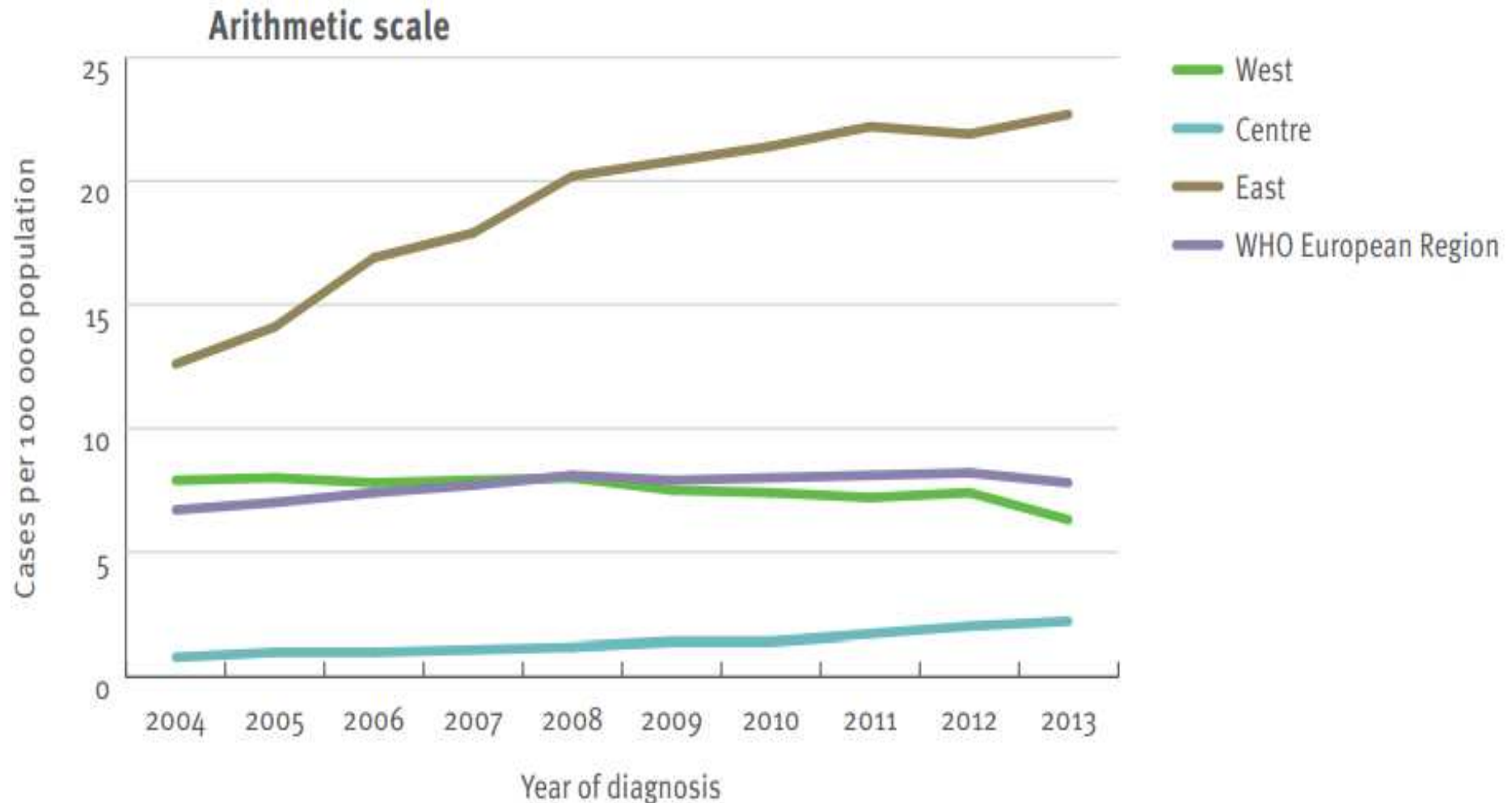
How 5 million lives have  
been saved, and a plague  
could now be defeated



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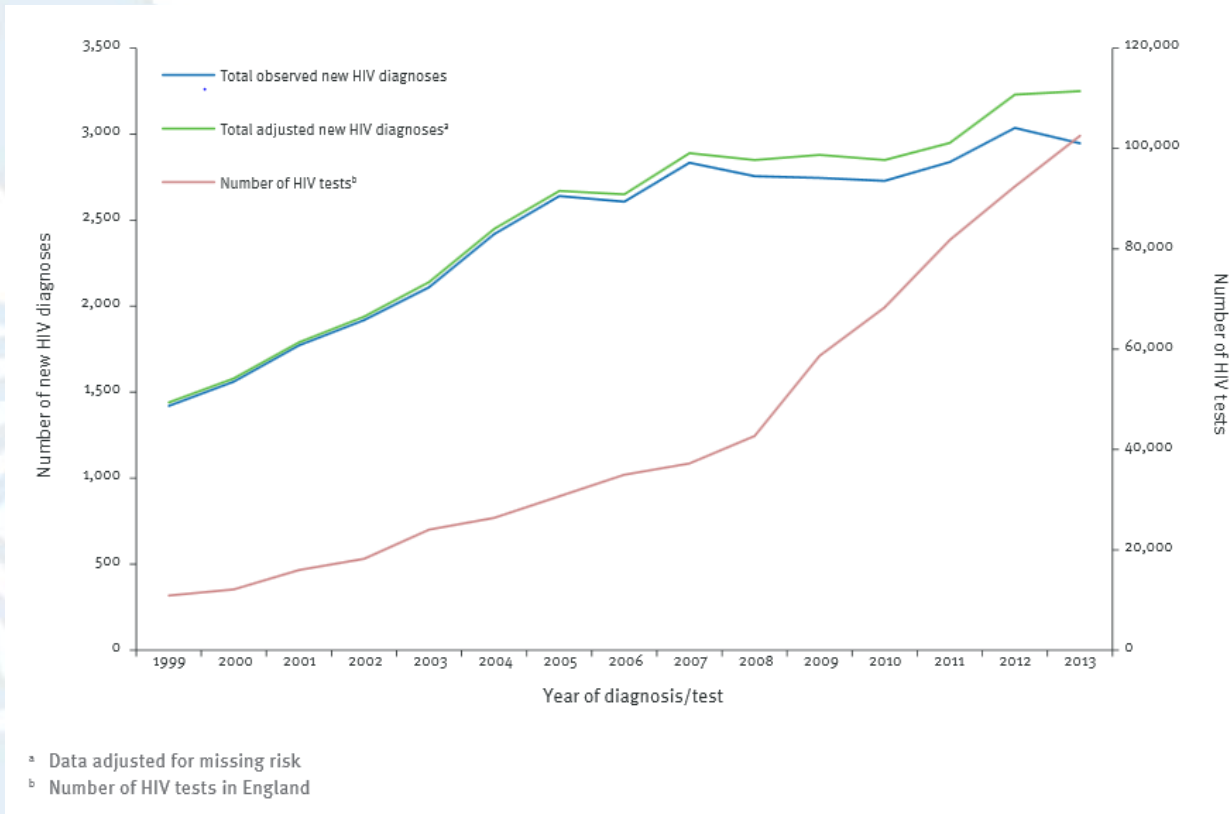
# New Diagnoses of HIV, WHO Euro, 2004-2013



Cases from Russia, Turkmenistan and Uzbekistan excluded due to inconsistent reporting during the period

Source ECDC / WHO Euro, HIV/AIDS Surveillance in Europe 2013

# New HIV Diagnoses (UK) and HIV Tests (England) among MSM: 1999-2013



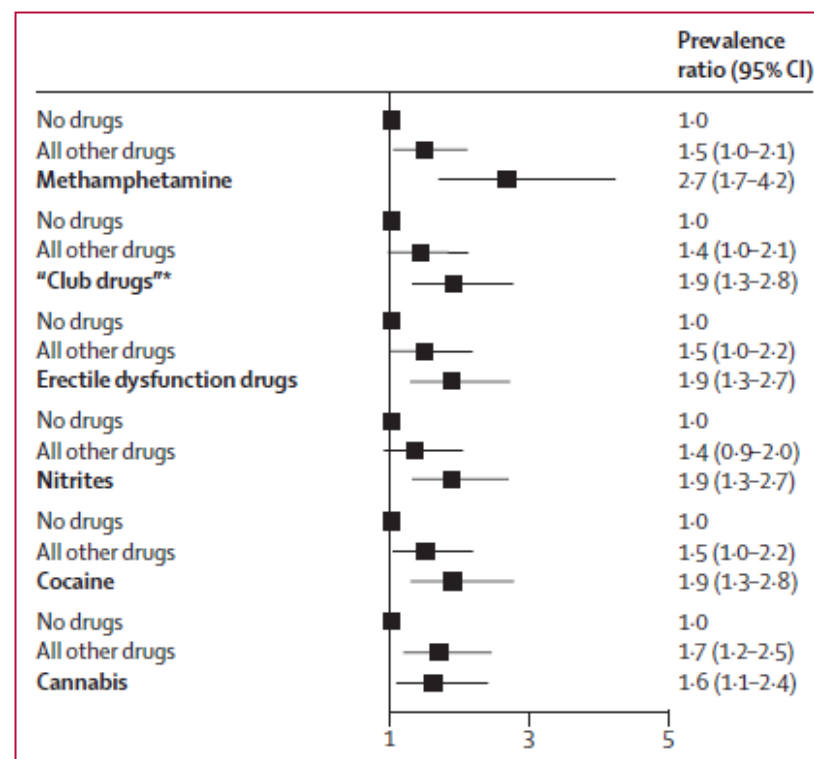
Source: Desai et al, 2015. *Eurosurveillance*



# Drug Use as a Driver of the Epidemic among MSM in the UK

- Recreational drug use & polydrug use is common (51% of HIV positive men who have sex with men & 47% of those who use drugs)
- Polydrug use associated with high-risk behaviour e.g. condomless sex

Association between drug use & higher-HIV-risk condomless sex with a serodiscordant partner

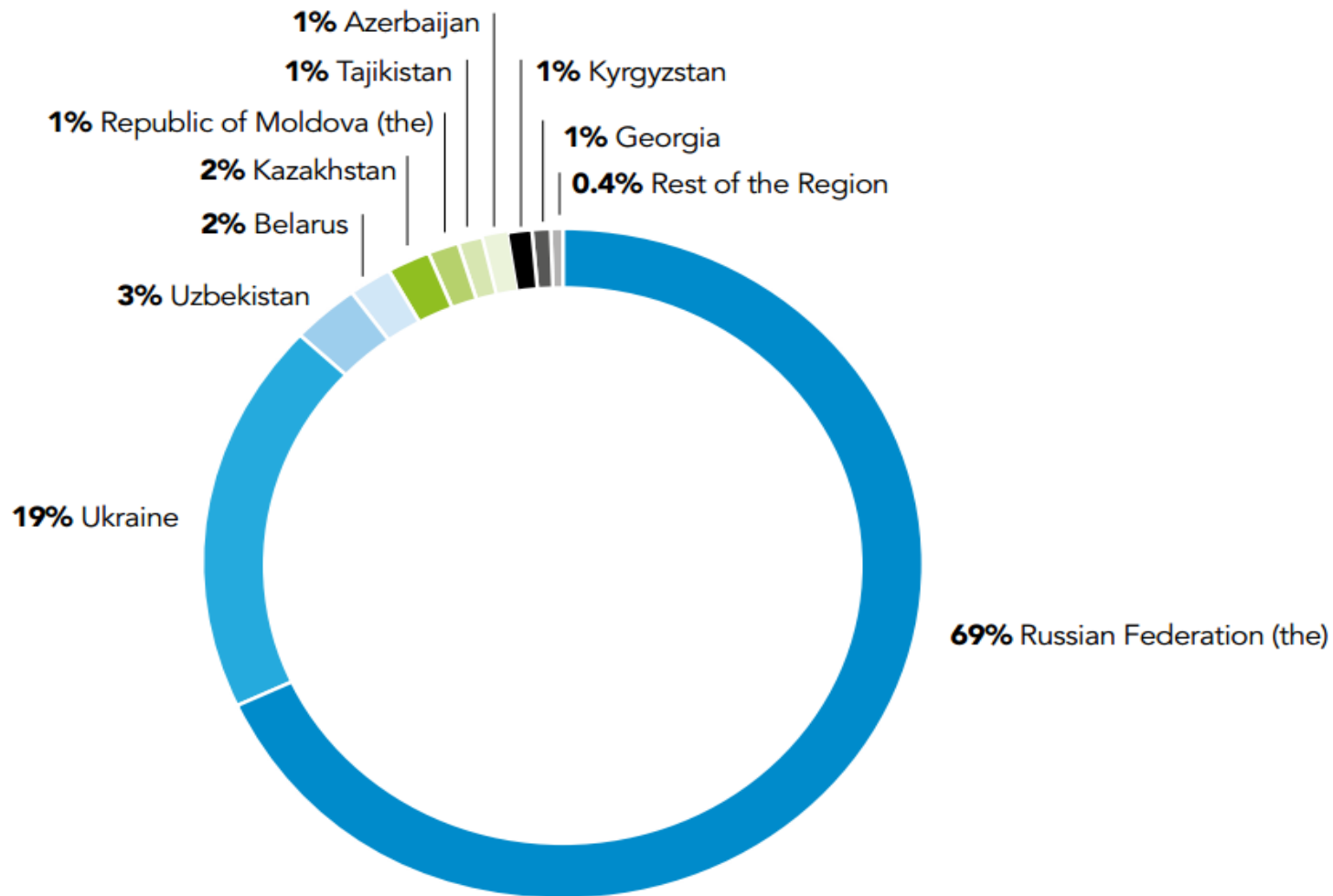


Source: Daskalopoulou et al, Lancet HIV 2013;1:e22-31





# People living with HIV in Eastern Europe & Central Asia, 2013

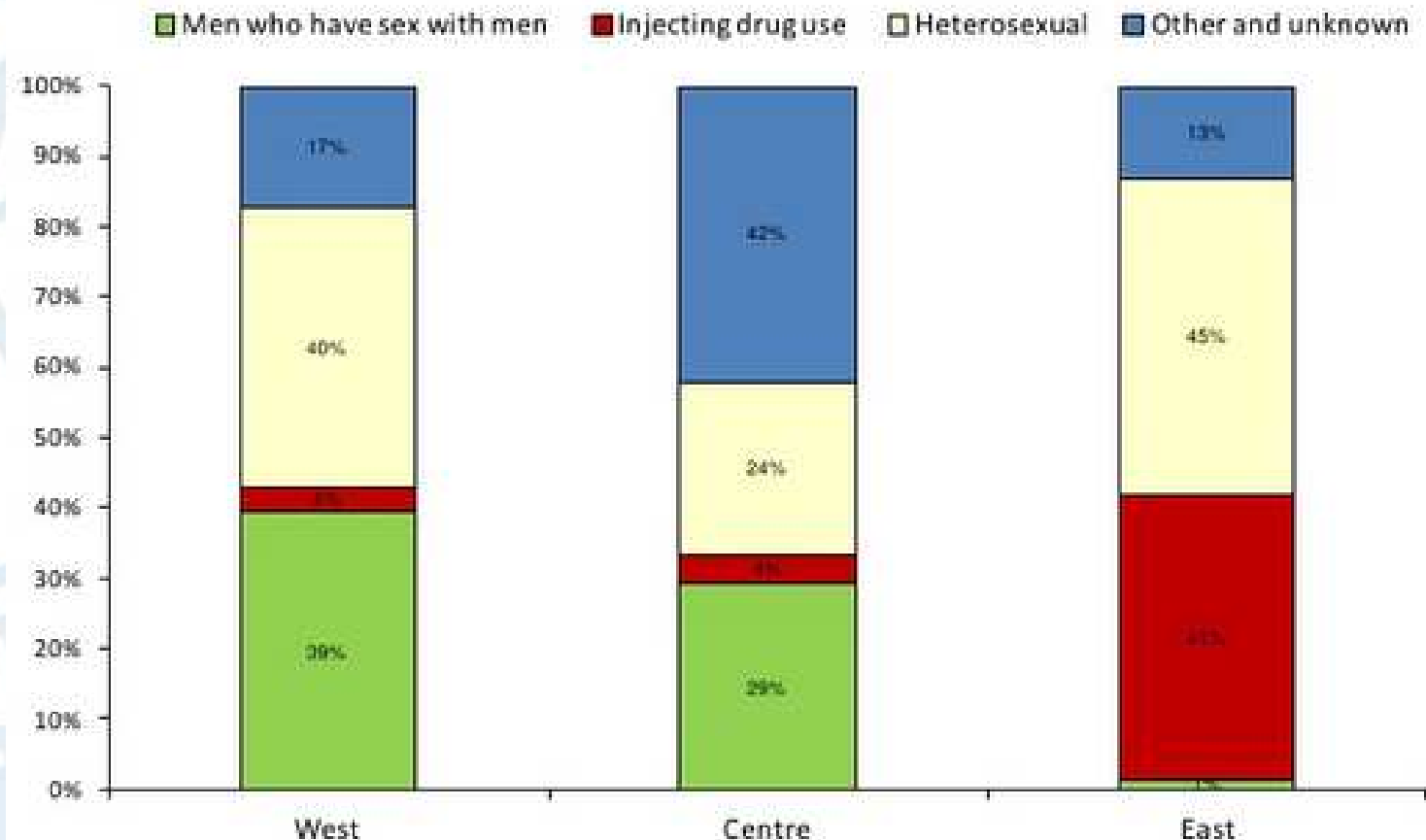


Source: UNAIDS Gap Report, 2014

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# New Diagnoses by Mode of Transmission & Geographical Area, WHO Euro 2010

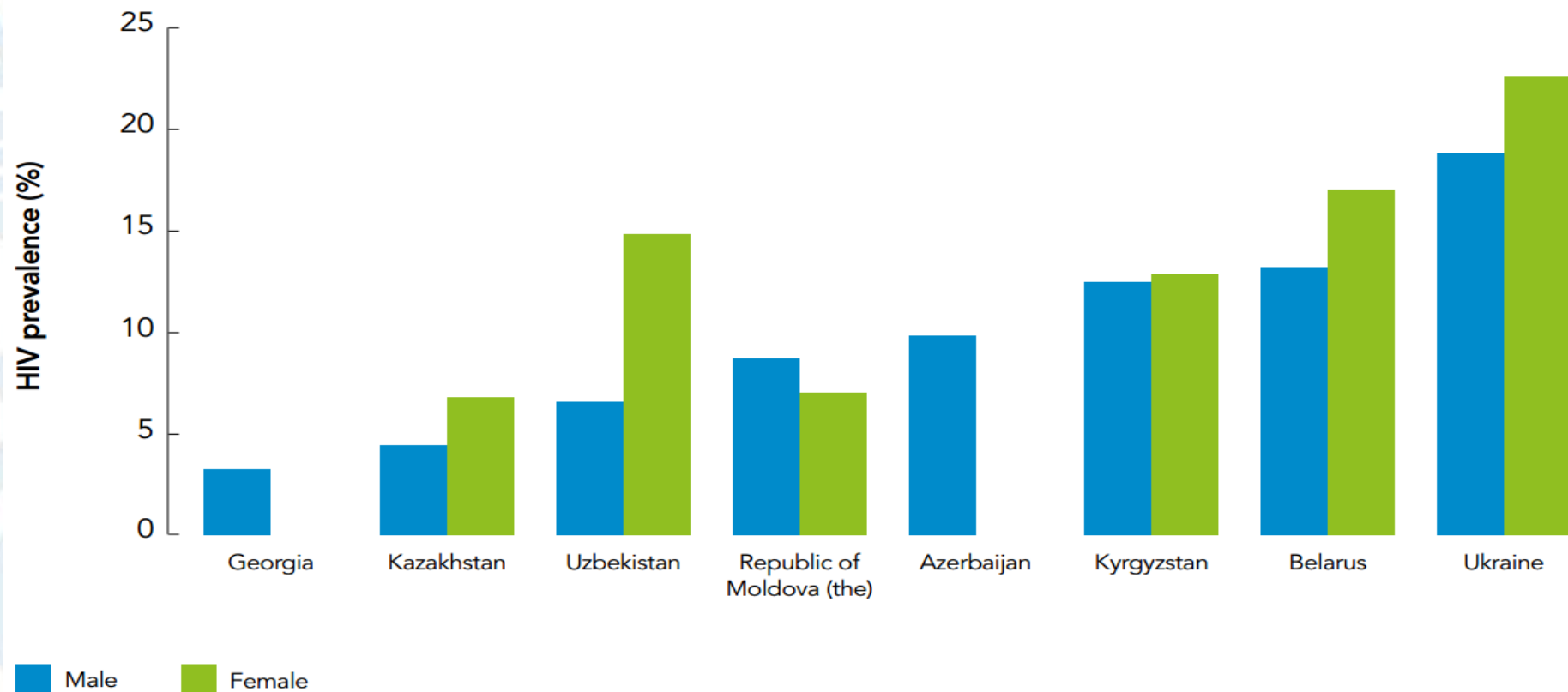


Source: Donoghue et al, 2012. International Aids Conference



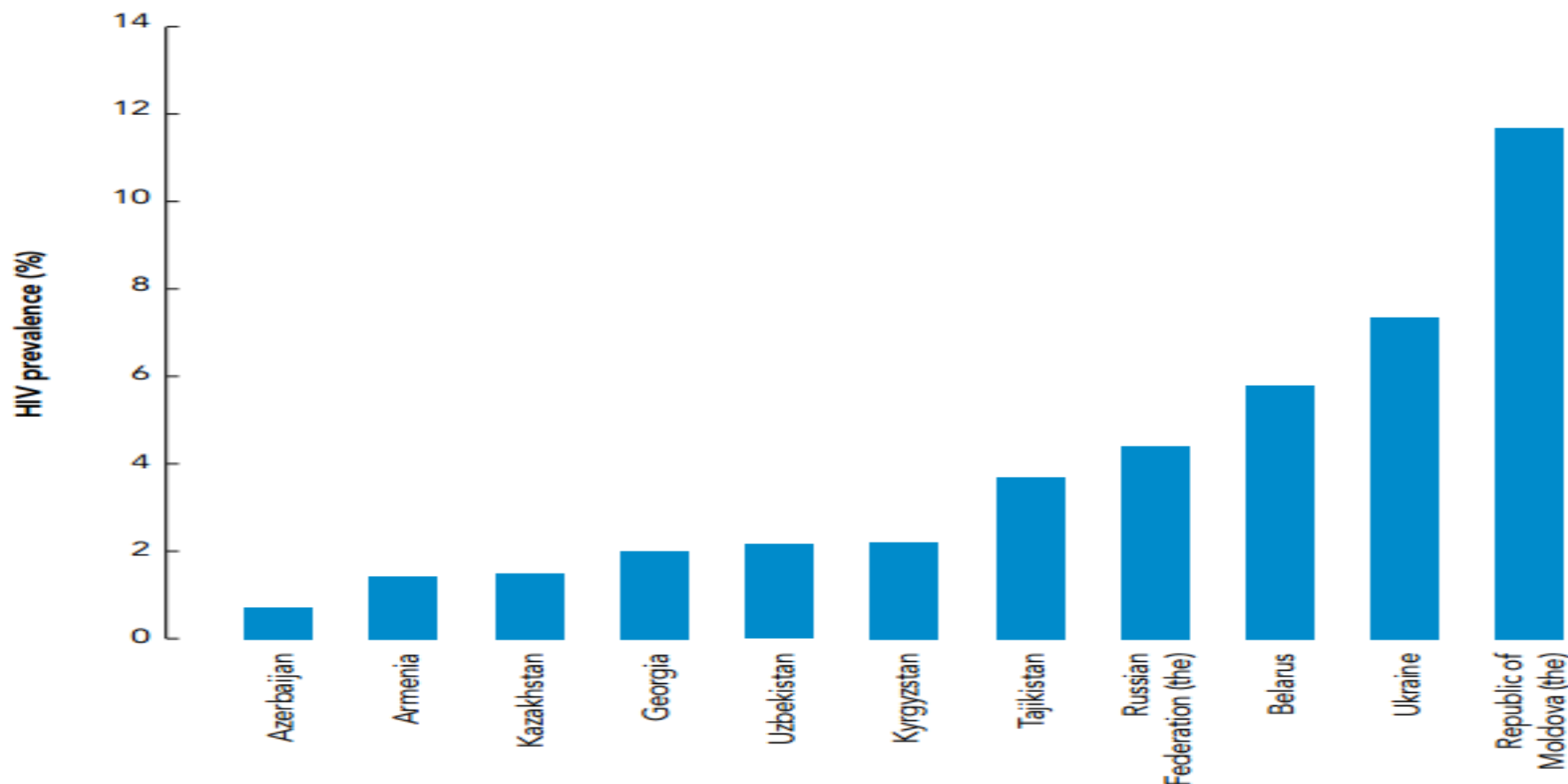


# HIV Prevalence among IDUs in Selected Countries of Eastern Europe and Central Asia, 2009-2013



Source: UNAIDS Gap Report, 2014

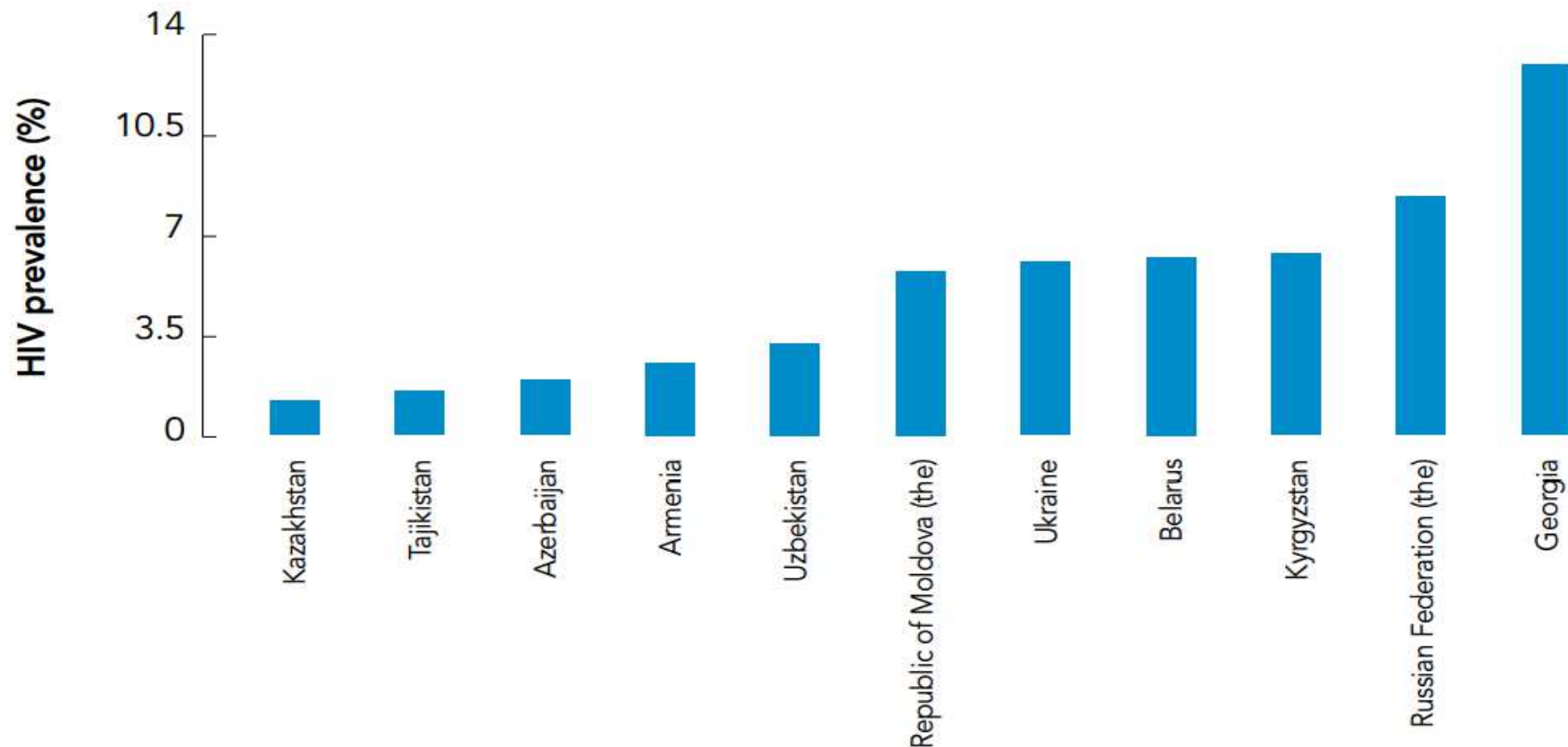
# HIV Prevalence among Sex Workers in Eastern Europe and Central Asia, 2009-2013



Source: Global AIDS Response Progress Reporting 2014.

Source: UNAIDS Gap Report, 2014

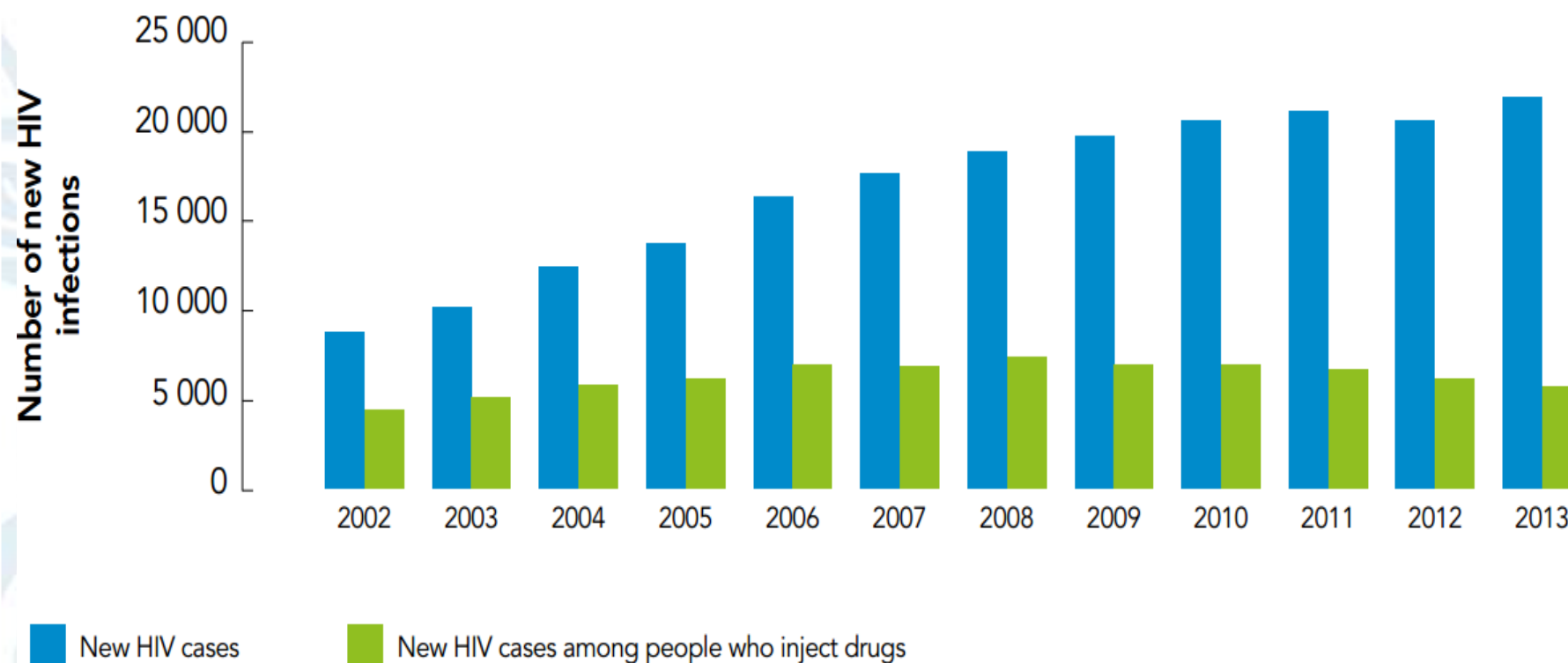
# HIV Prevalence among MSM, Eastern Europe & Central Asia, 2009-2013



Source: Global AIDS Response Progress Reporting 2014.

Source: UNAIDS Gap Report, 2014

# Newly Registered HIV Cases overall, & among IDUs, Ukraine, 2002-2013

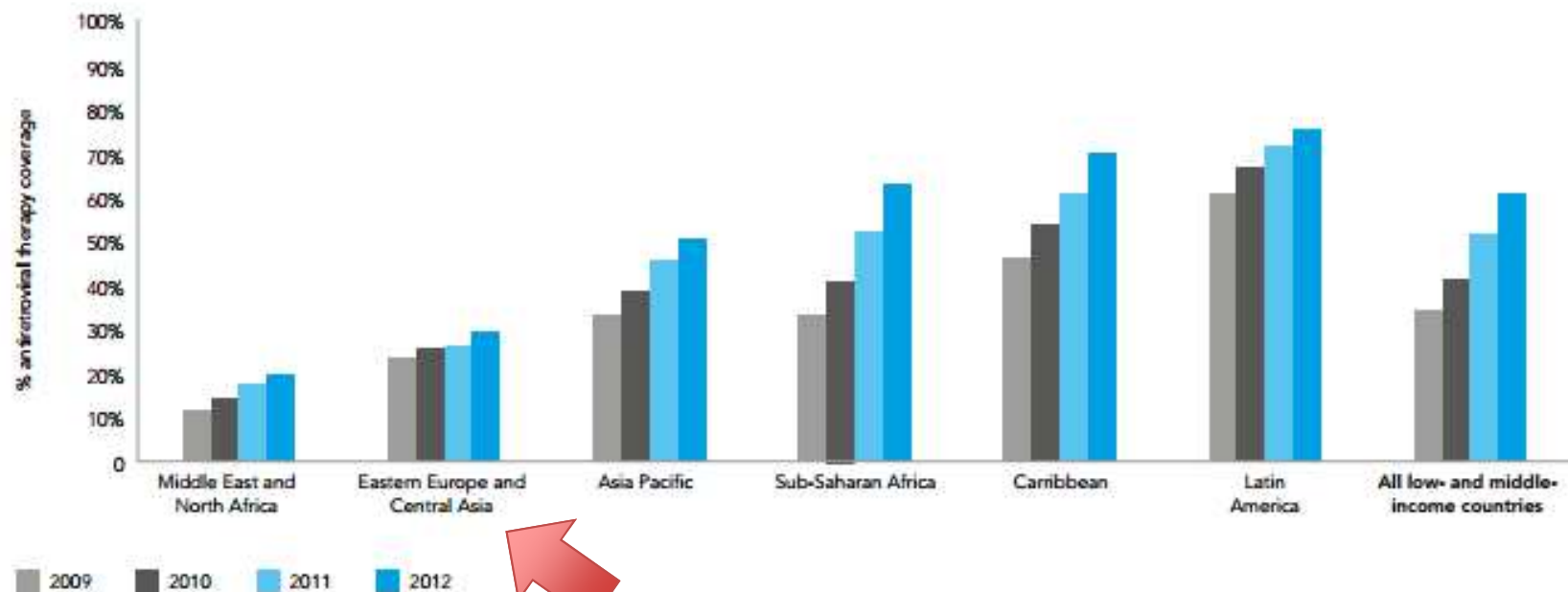


Source: HIV-infection in Ukraine. Ministry of Health of Ukraine, Ukrainian centre for socially dangerous diseases, Institute of epidemiology and infectious diseases. Information bulletin 41. Kyiv; 2014.

Source: UNAIDS Gap Report, 2014



# % of Eligible Persons on ART in Low & Middle Income Countries by Region



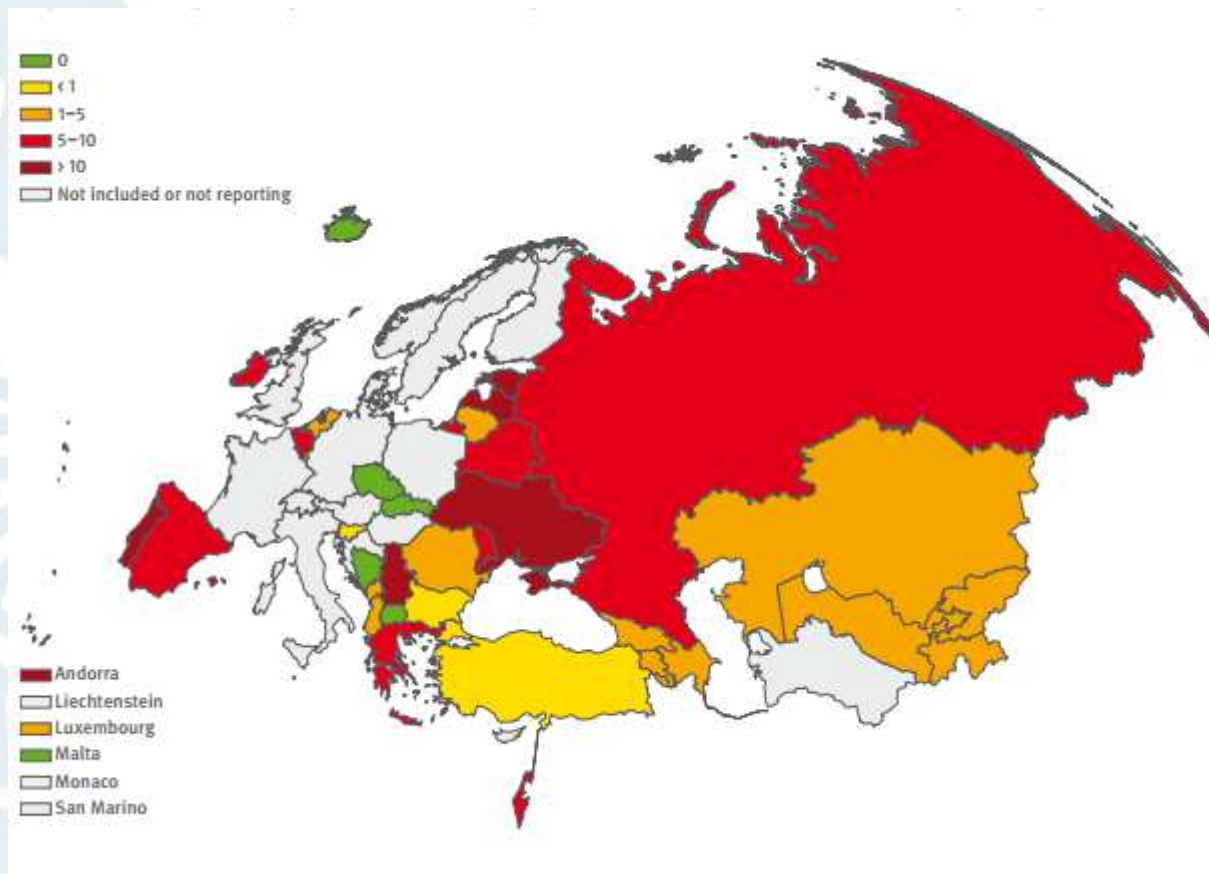
Source: UNAIDS 2012 estimates.

Source: UNAIDS Global Report, 2013

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# Co-Infection with TB



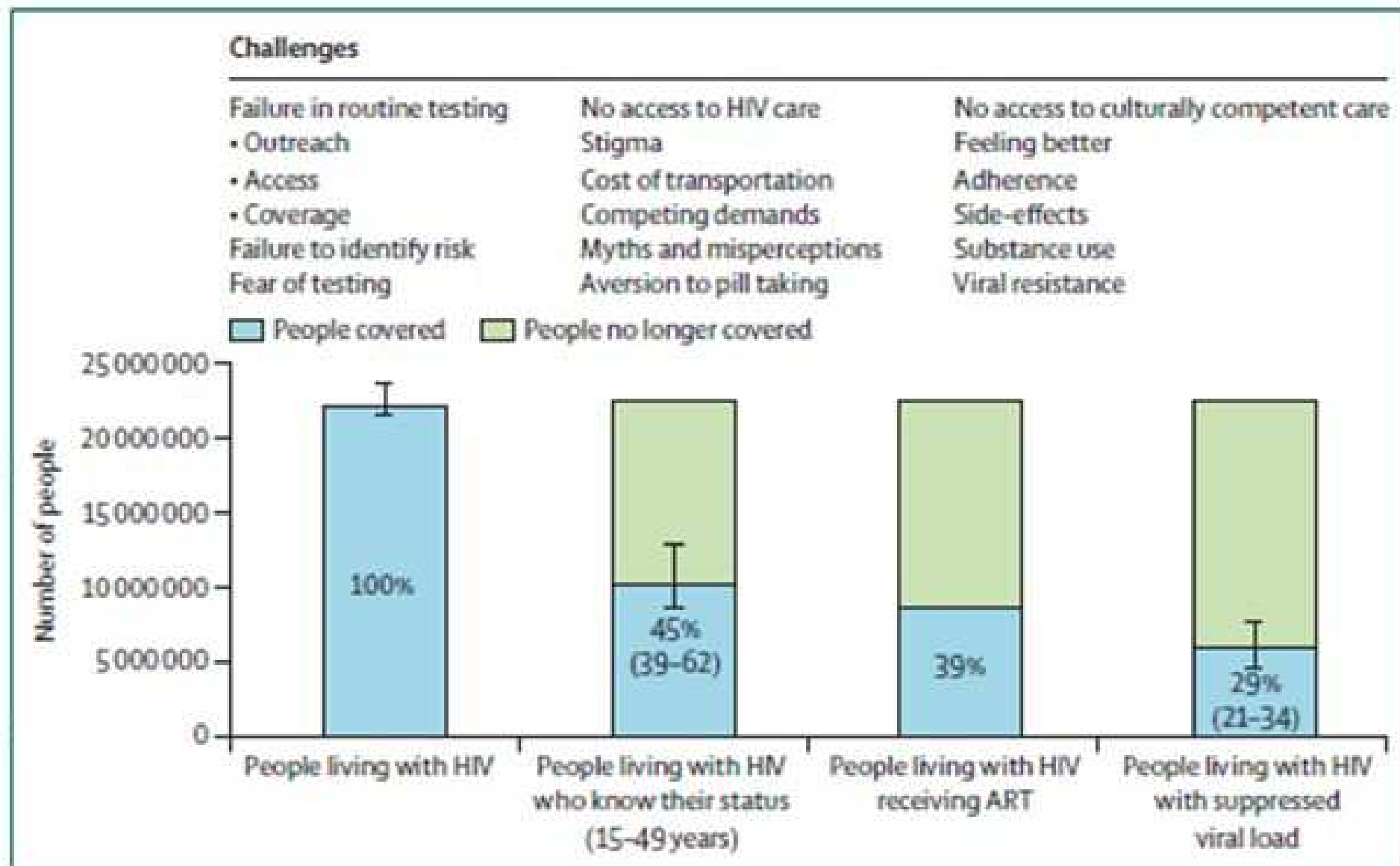
Source ECDC / WHO Euro, TB Surveillance in Europe 2015

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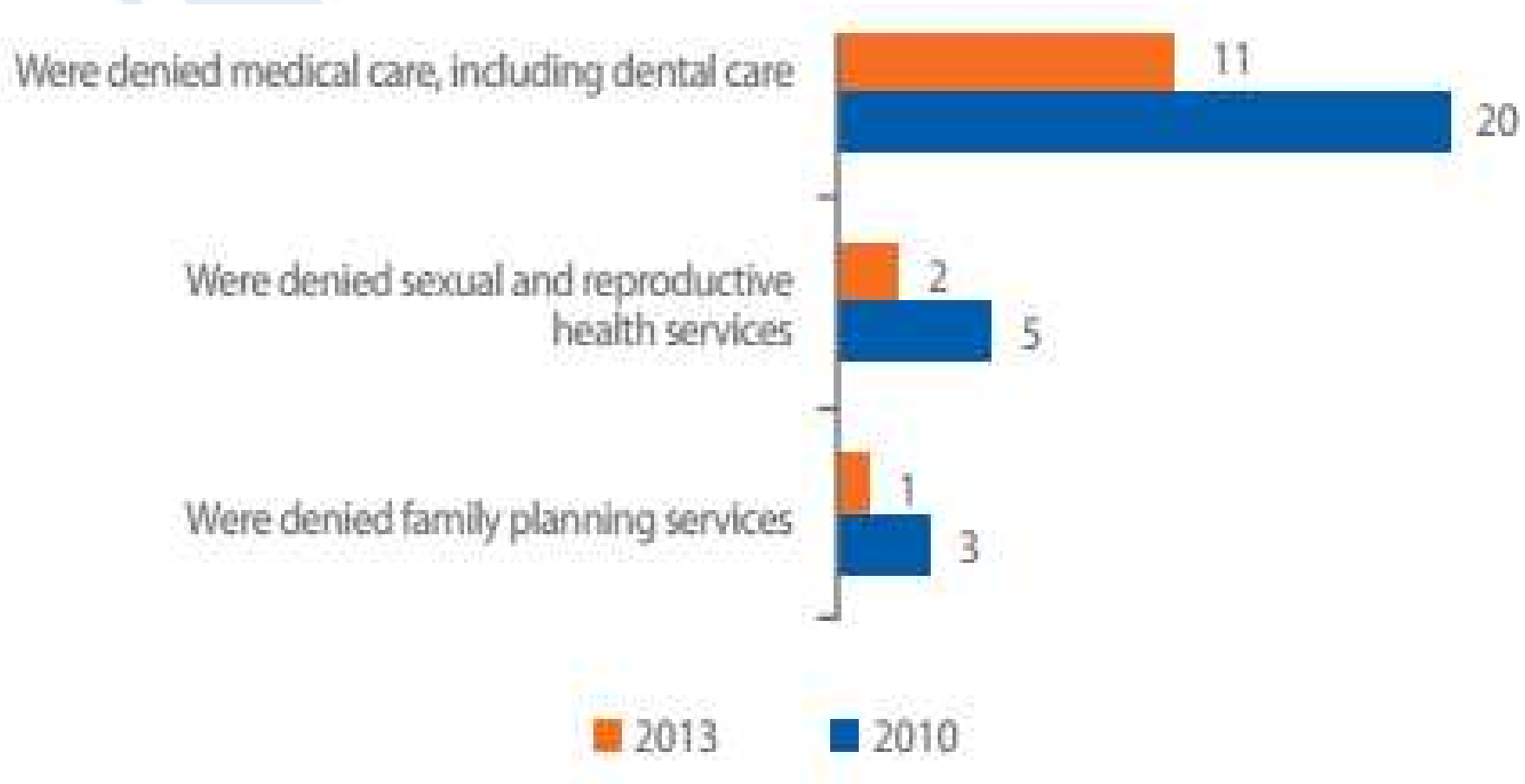




# Treatment Challenges



# Difficulty Accessing Health Care due to HIV Status, Ukraine



Source: Ukraine Stigma Index Report, 2014

# DEFEATING AIDS—ADVANCING GLOBAL HEALTH

Report of the UNAIDS and Lancet Commission  
Findings and Recommendations



**Defeating AIDS**  
**Advancing global health**

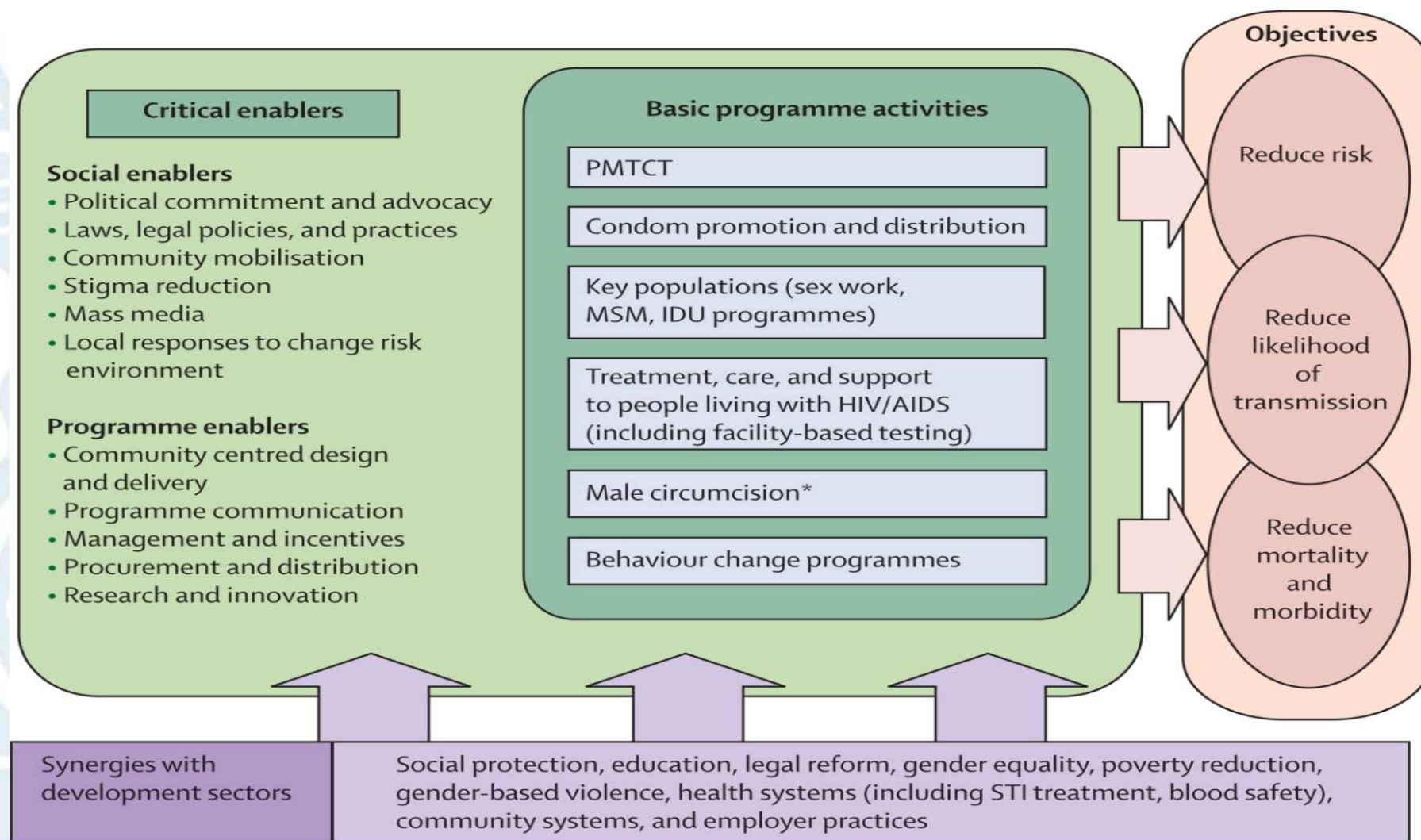
THE UNAIDS AND LANCET COMMISSION



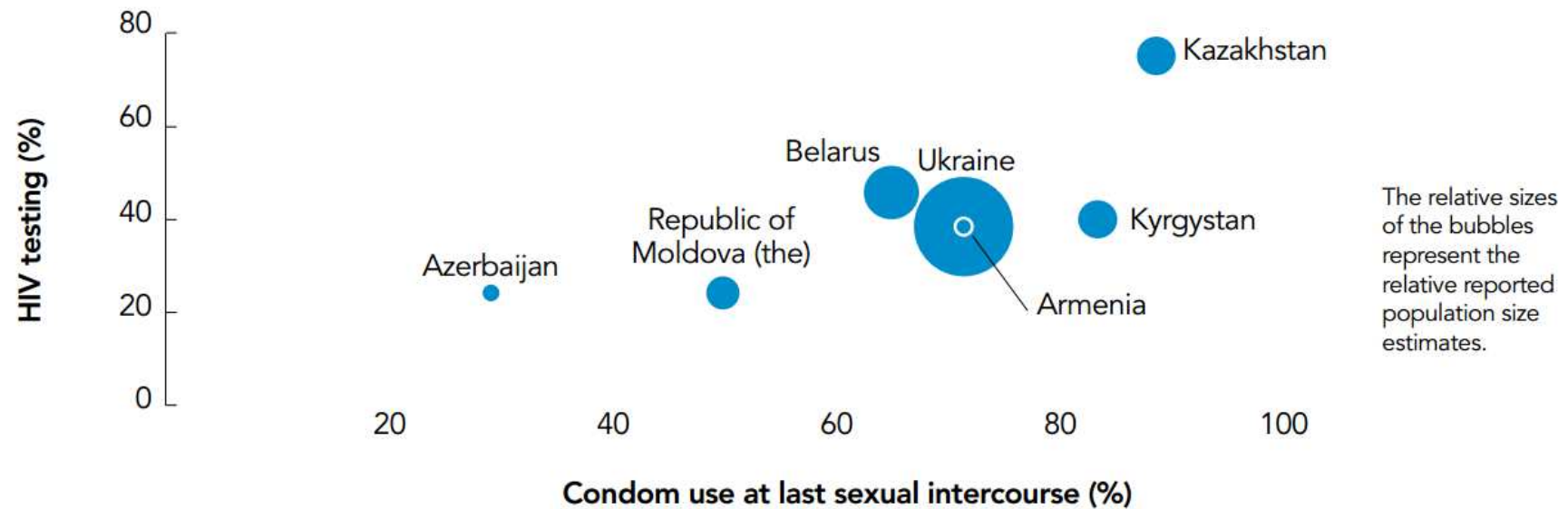
# Framework for the AIDS response

Investment framework

For whom? Explicitly identify and prioritise populations on the basis of the epidemic profile  
How? Use the human rights approach to achieve dignity and security



# Coverage of HIV Testing & Condom Use among MSM, WHO Europe East, 2010-2013



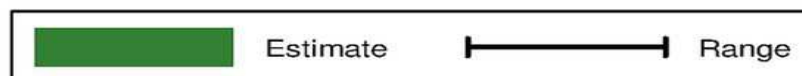
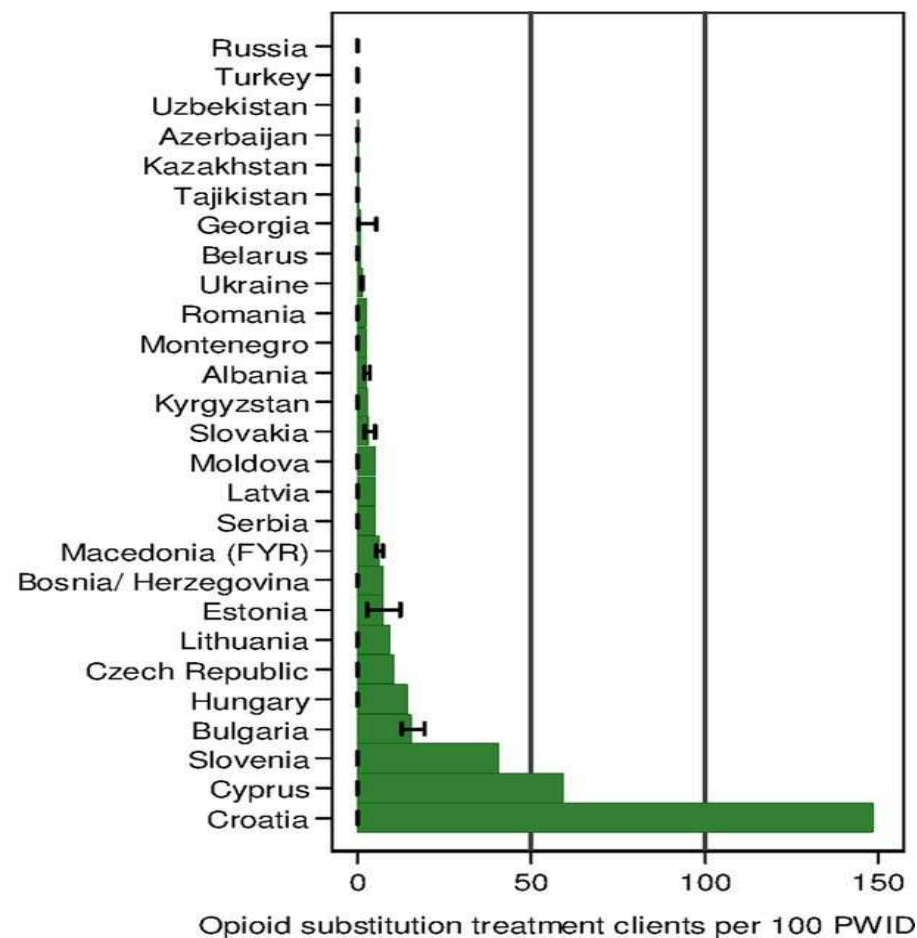
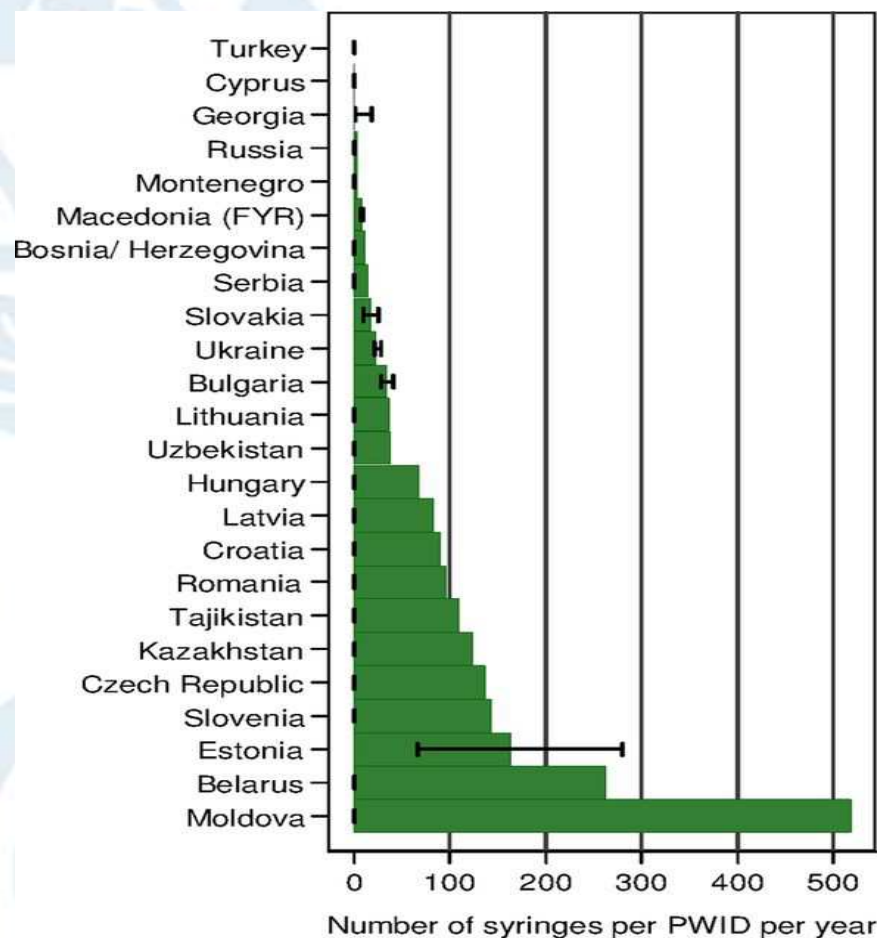
Source: UNAIDS. GARPR 2010-2014

Source: UNAIDS Gap Report, 2014

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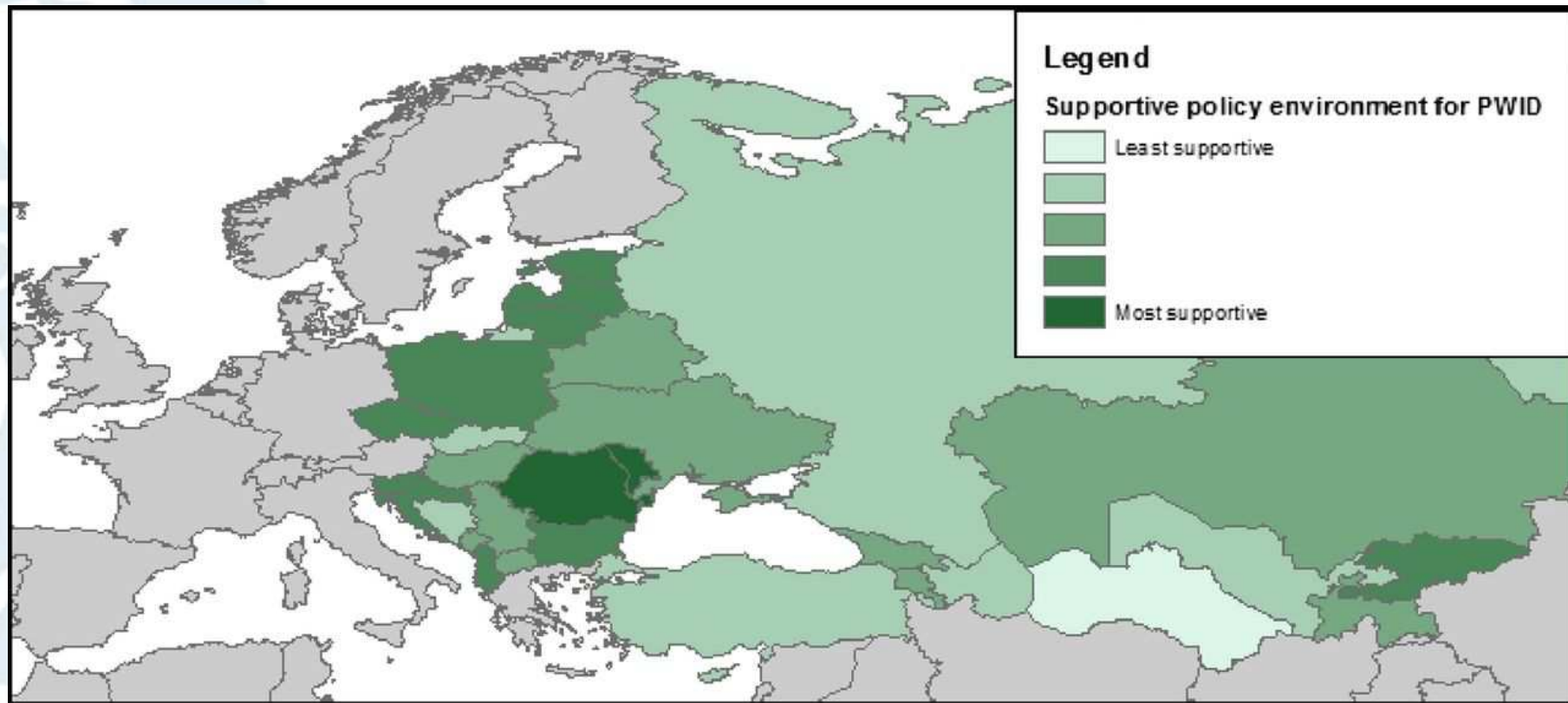
# Annual No. of Syringes Distributed/IDU & Estimated OST Clients/100 IDUs



Source: Jolley et al. *BMJ Open* 2012;2:e001465



# Supportiveness of Policy Environments for HIV among IDUs



Source: Jolley et al. *BMJ Open* 2012;2:e001465

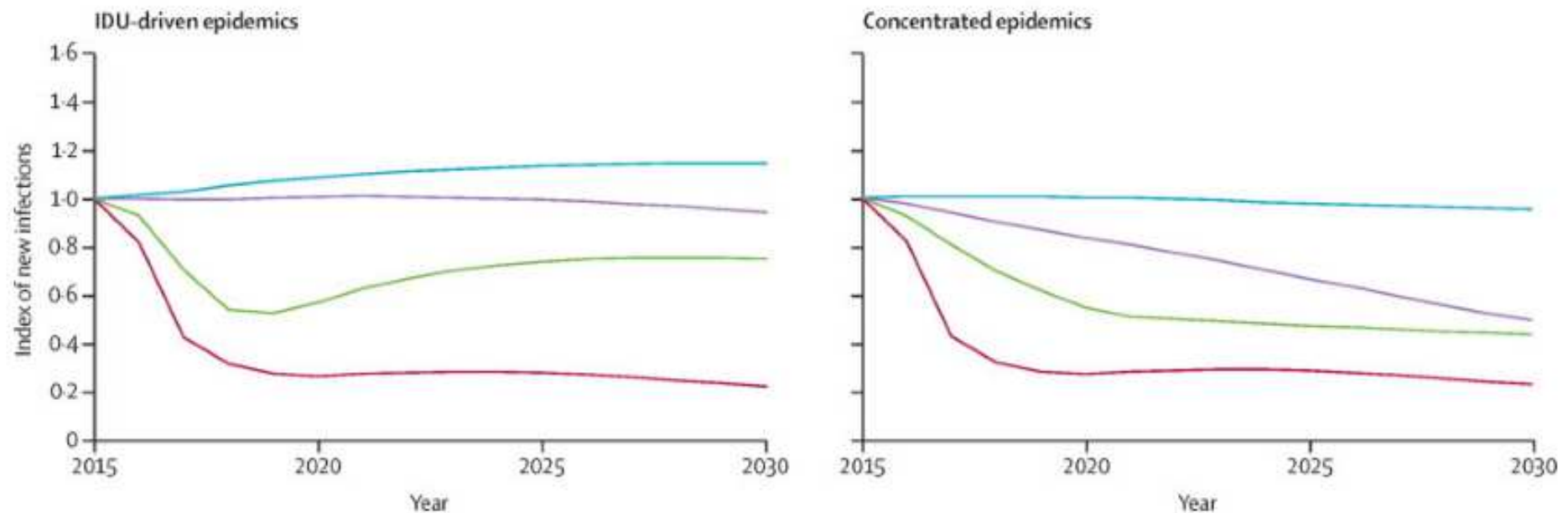
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# **What will it take to halt the HIV epidemic?**

- **Remove policy, legal, societal and political barriers**
- **Expand testing & treatment, and address co-morbidities**
- **Get serious about combination prevention tailored to those at highest risk and high risk areas**
- **Support civil society groups and people living with HIV**
- **Implement action plans**
- **Political and multi-sectoral leadership, ownership, and accountability**

# Impact of Prevention & Treatment on New Infections in IDU Driven & Concentrated HIV Epidemics, to 2030



Hyper-endemic settings

- Current effort
- Global goals
- Best case
- Financial constraint

Source: Piot et al, 2015. Lancet;386

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