



**Infectious Diseases, AIDS  
and Clinical Immunology  
Research Center**

# **HIV/AIDS: Late Presenters in Eastern Europe**

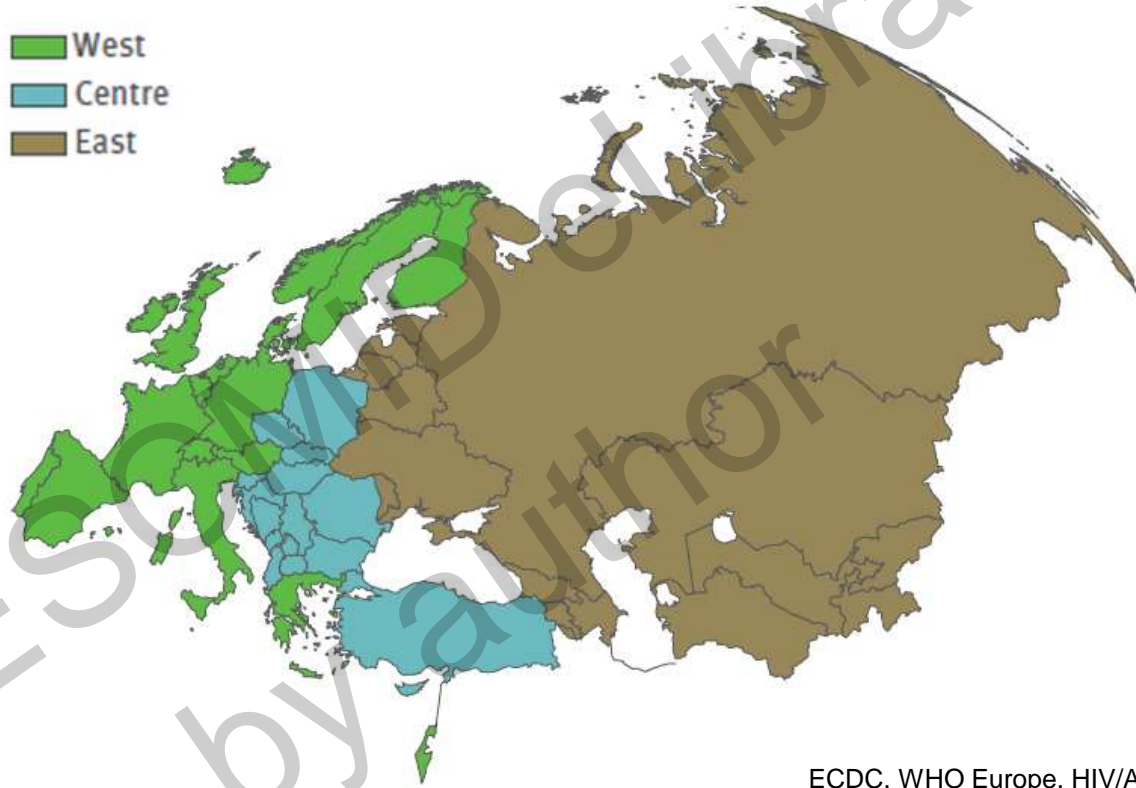
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Deputy Executive Director for Research

Manager of HIV/AIDS Treatment and Care Program

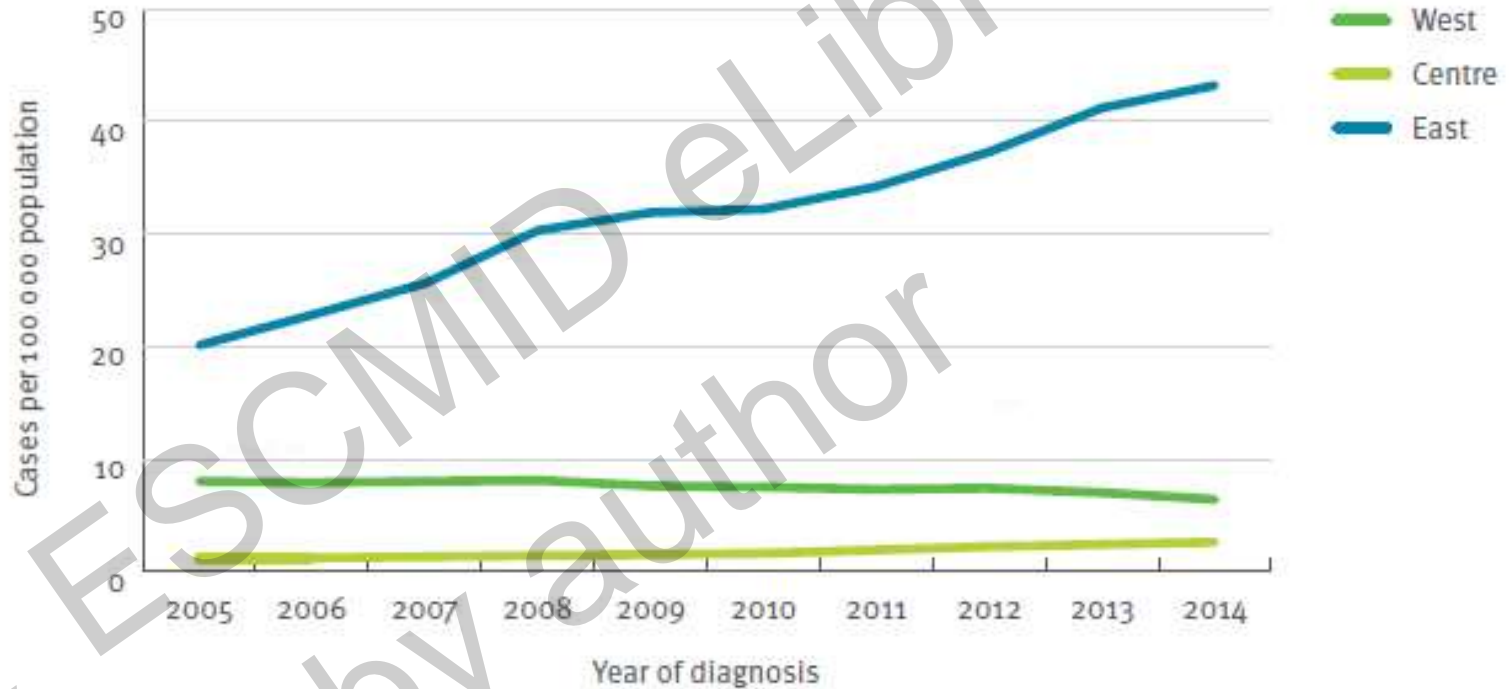
# Geographic Division of WHO European Region

- West
- Centre
- East



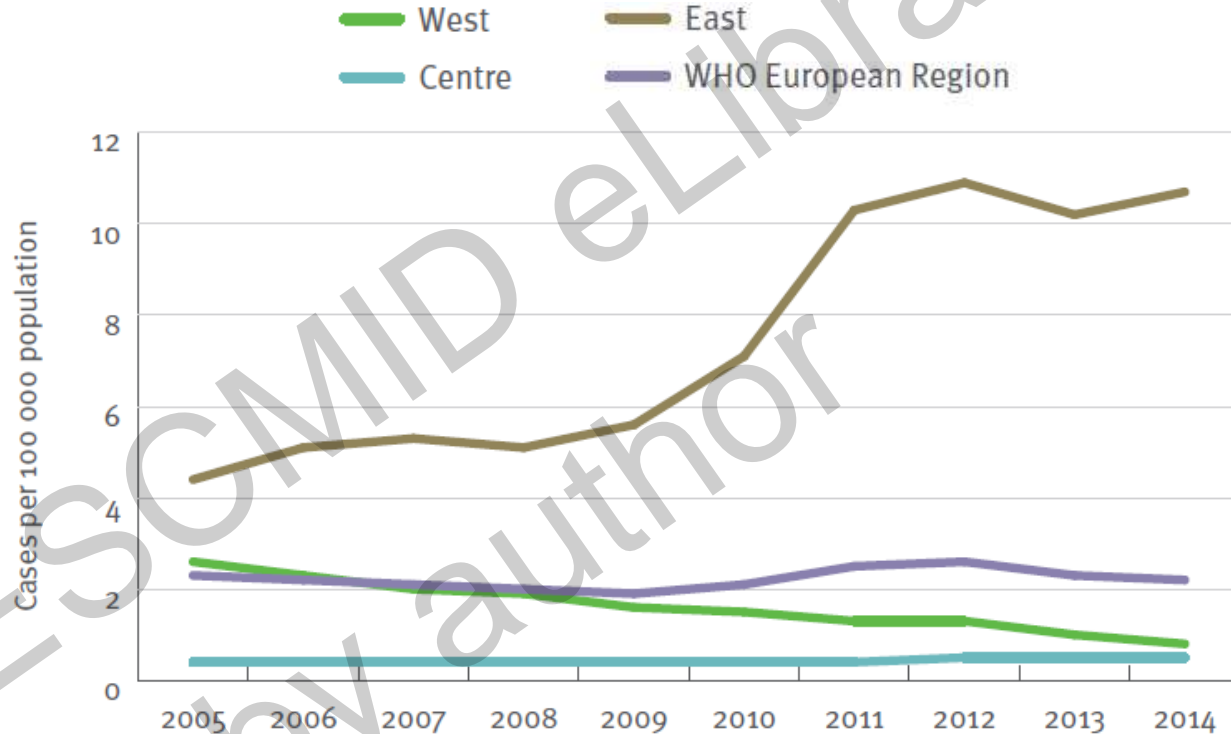
ECDC, WHO Europe. HIV/AIDS Surveillance in Europe, 2014.

# Rates of new HIV diagnoses in WHO European Region, 2005-2014



ECDC, WHO Europe. HIV/AIDS Surveillance in Europe, 2014.

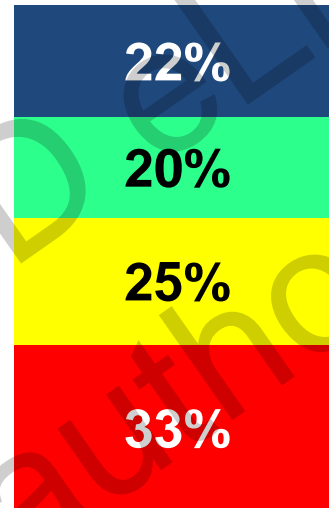
# Rates of new AIDS diagnoses in WHO European Region, 2005-2014



ECDC, WHO Europe. HIV/AIDS Surveillance in Europe, 2014.

# CD4 cell count at HIV diagnosis in Eastern Europe, 2014

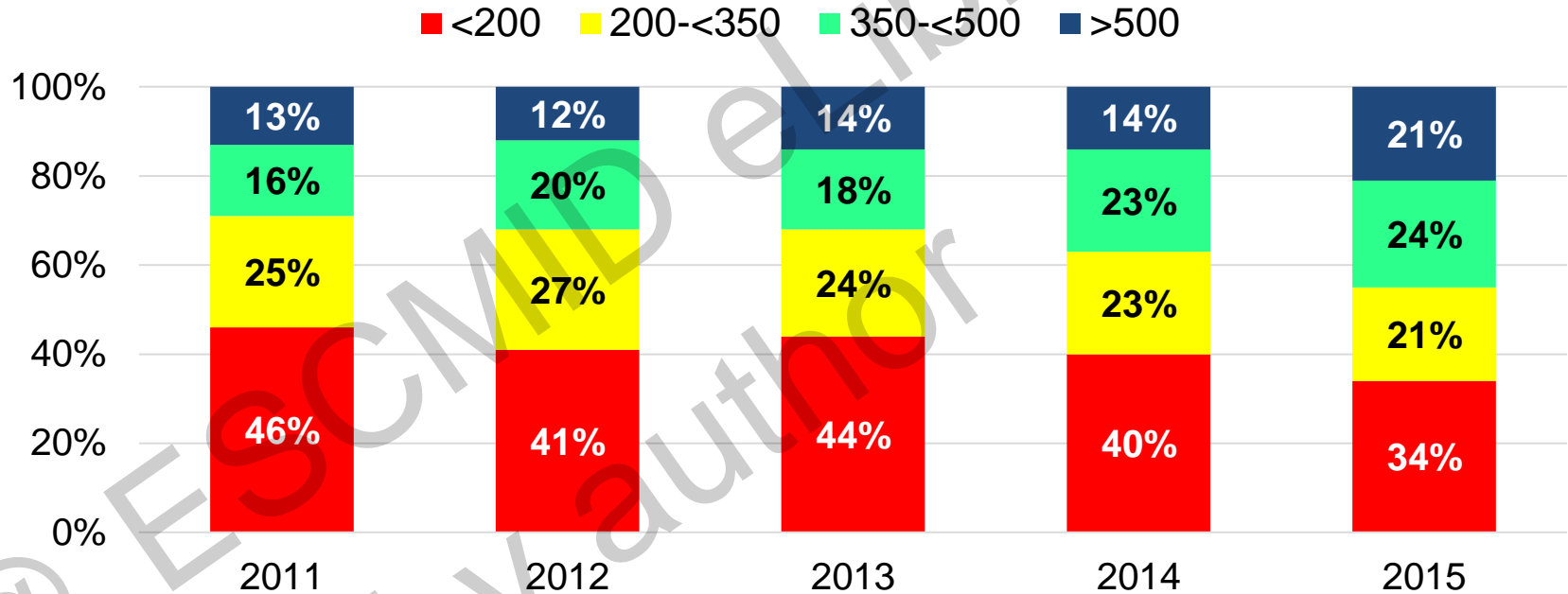
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2014

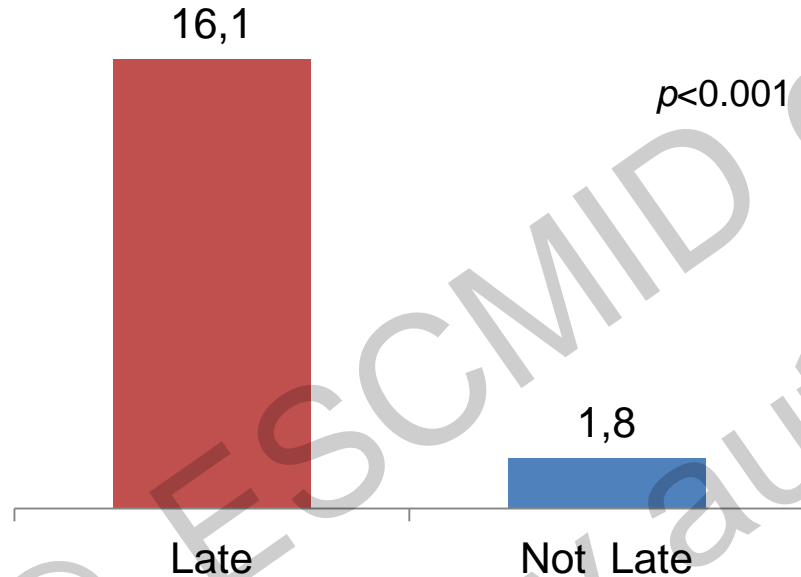
ECDC, WHO Europe. HIV/AIDS Surveillance in Europe, 2014.

# CD4 cell count at HIV diagnosis in Georgia: 2011-2015

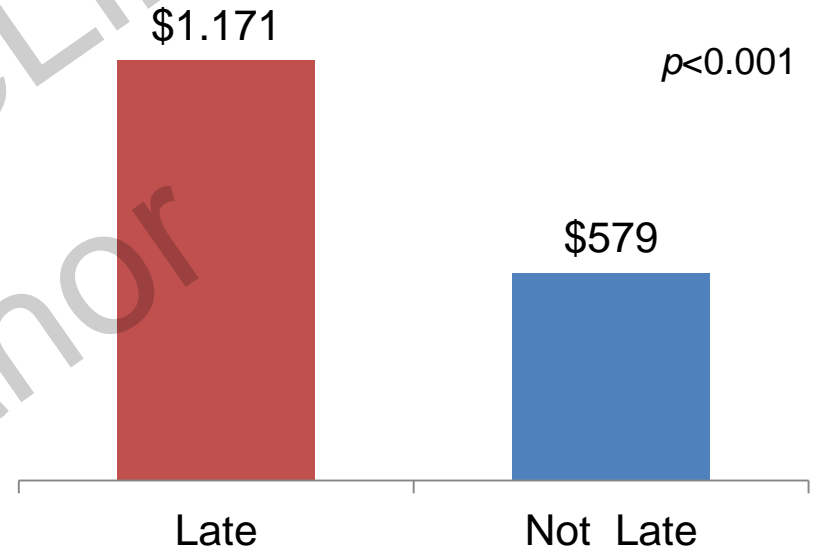


# Consequences of Late Diagnosis in Georgia

Mortality per 100 person-years



Expenditures per person year\*

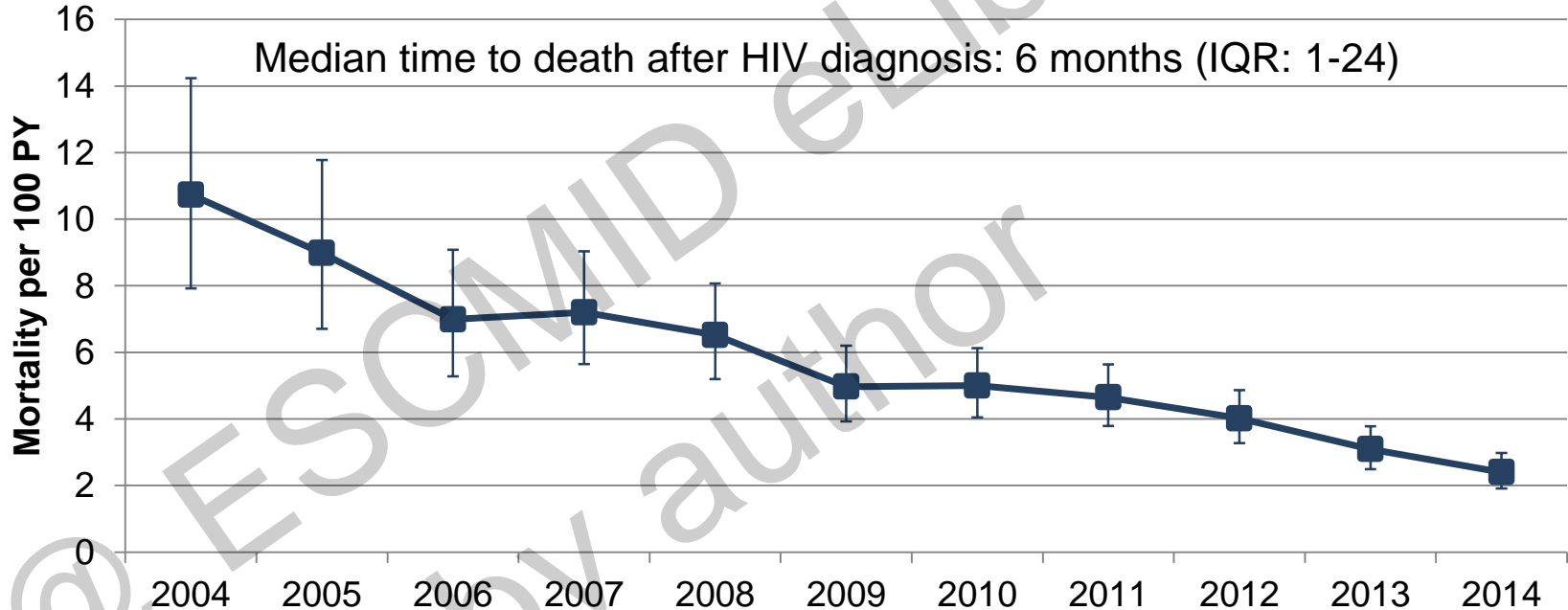


\*does not include ART costs

# Mortality and associated factors in Georgian Nationwide HIV Cohort (n=3,554)

Main predictor of mortality:

Late presentation with advanced disease, **HR 5.69 (95% CI: 4.72-6.85)**



Chkhartishvili et al. AIDS Res Hum Retroviruses. 2014;30:560-6



# The most common AIDS-defining illnesses in PLHIV in Eastern Europe, 2012-2014

	2012	2013	2014
<i>Mycobacterium tuberculosis</i> , pulmonary	34.2%	23.2%	28.5%
<i>Mycobacterium tuberculosis</i> , extrapulmonary	12.1%	7.8%	10.3%
Wasting syndrome due to HIV	29.4%	13.7%	8.2%
Candidiasis, oesophageal	25.1%	13.1%	6.7%
<i>Pneumocystis pneumonia</i>	5.8%	4.4%	4.1%

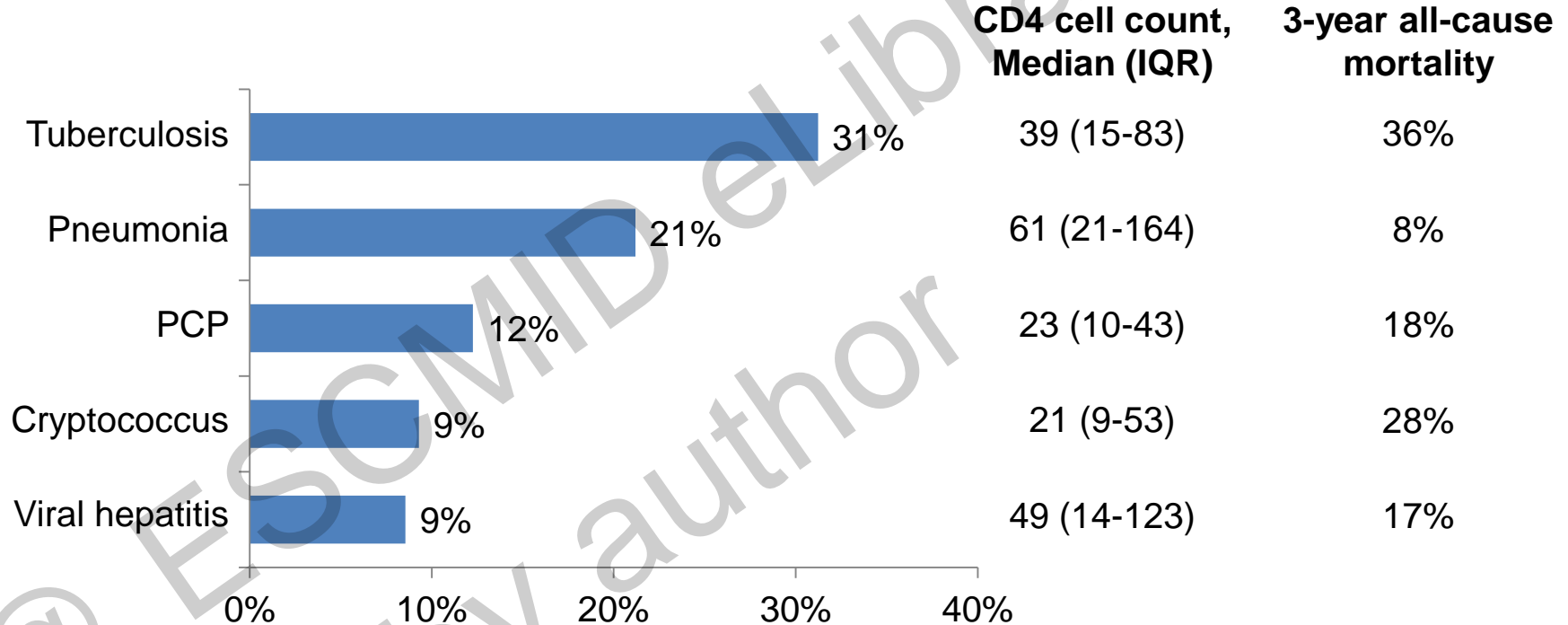
ECDC, WHO Europe. HIV/AIDS Surveillance in Europe, 2012-2014.

# HIV/TB Co-infection in Georgia

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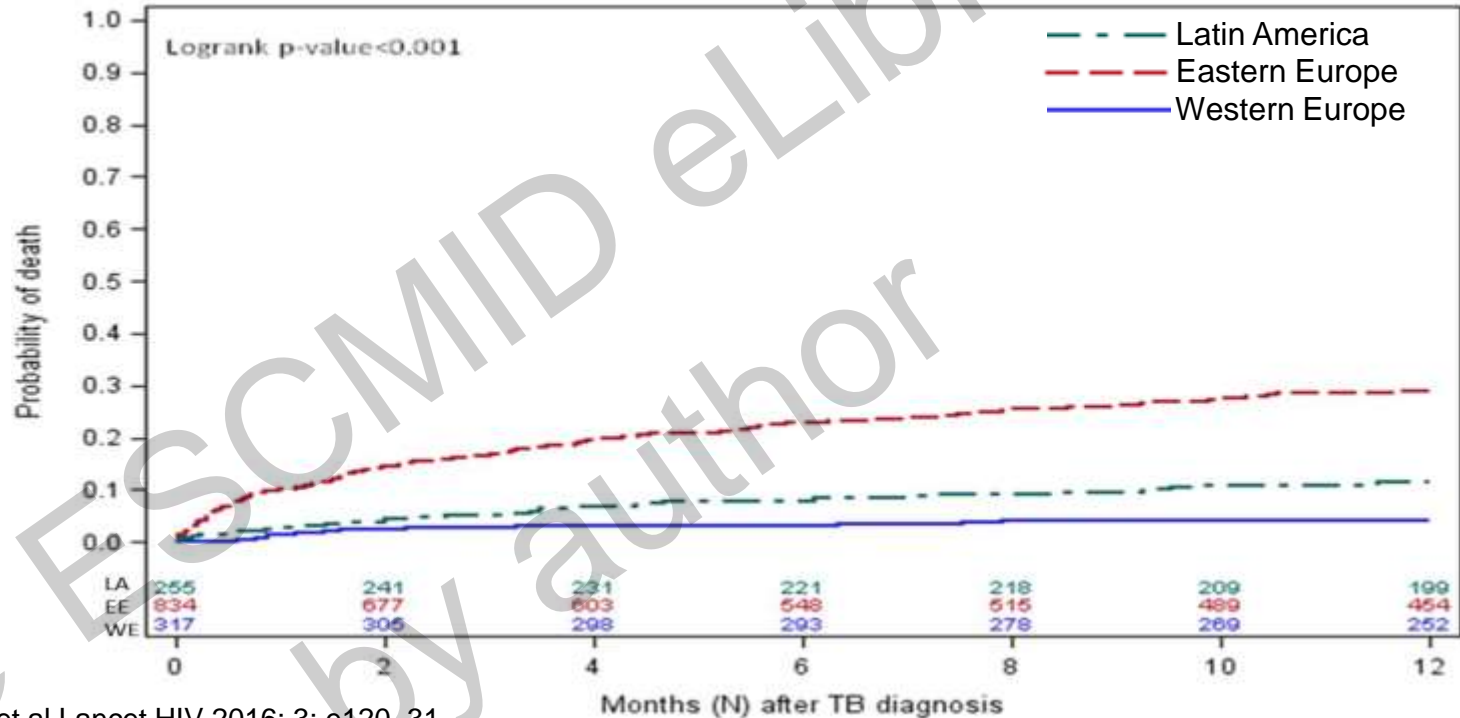
- HIV among TB patients: 2%
- TB among HIV patients: 18%

# Causes of hospitalization among newly diagnosed HIV patients in Georgia (n=269)

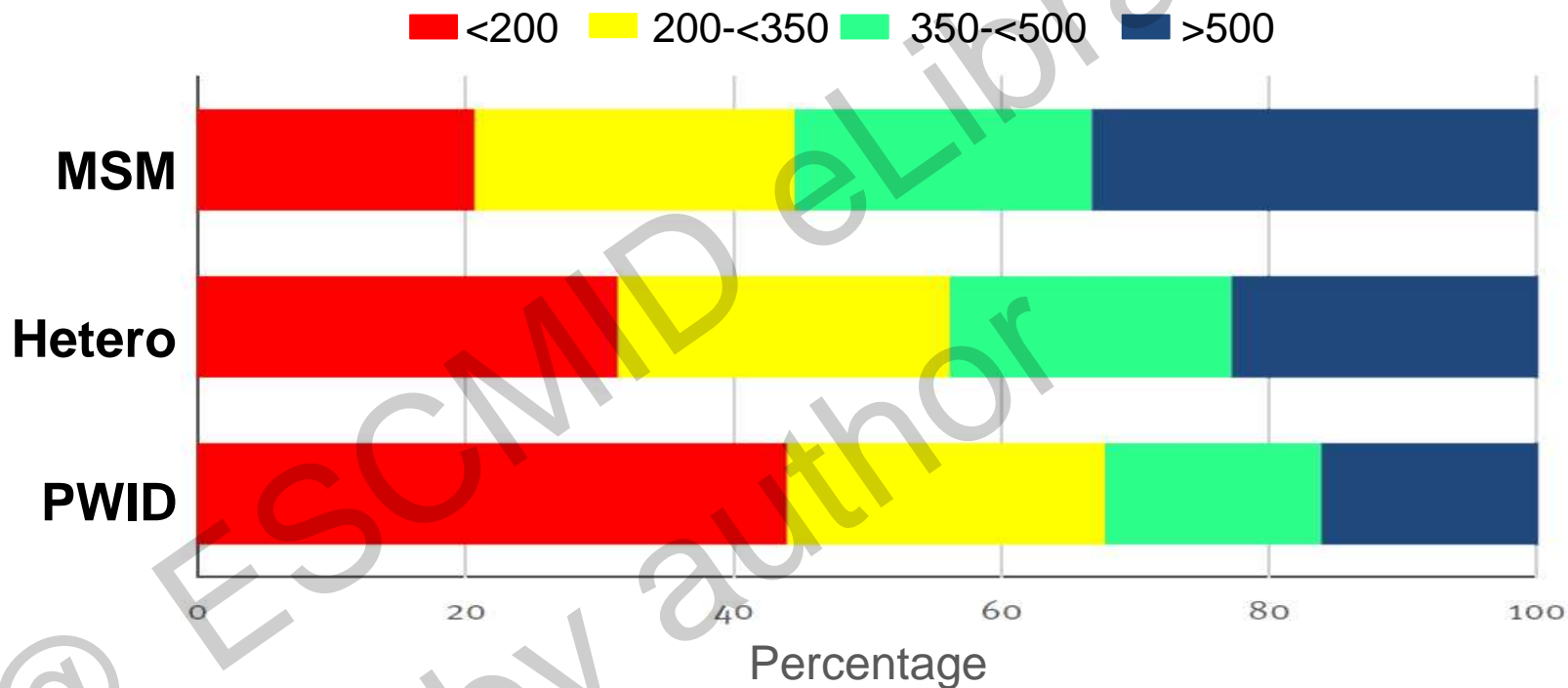


# High mortality in TB/HIV patients in Eastern Europe

Probability of death in 1,406 TB/HIV co-infected patients

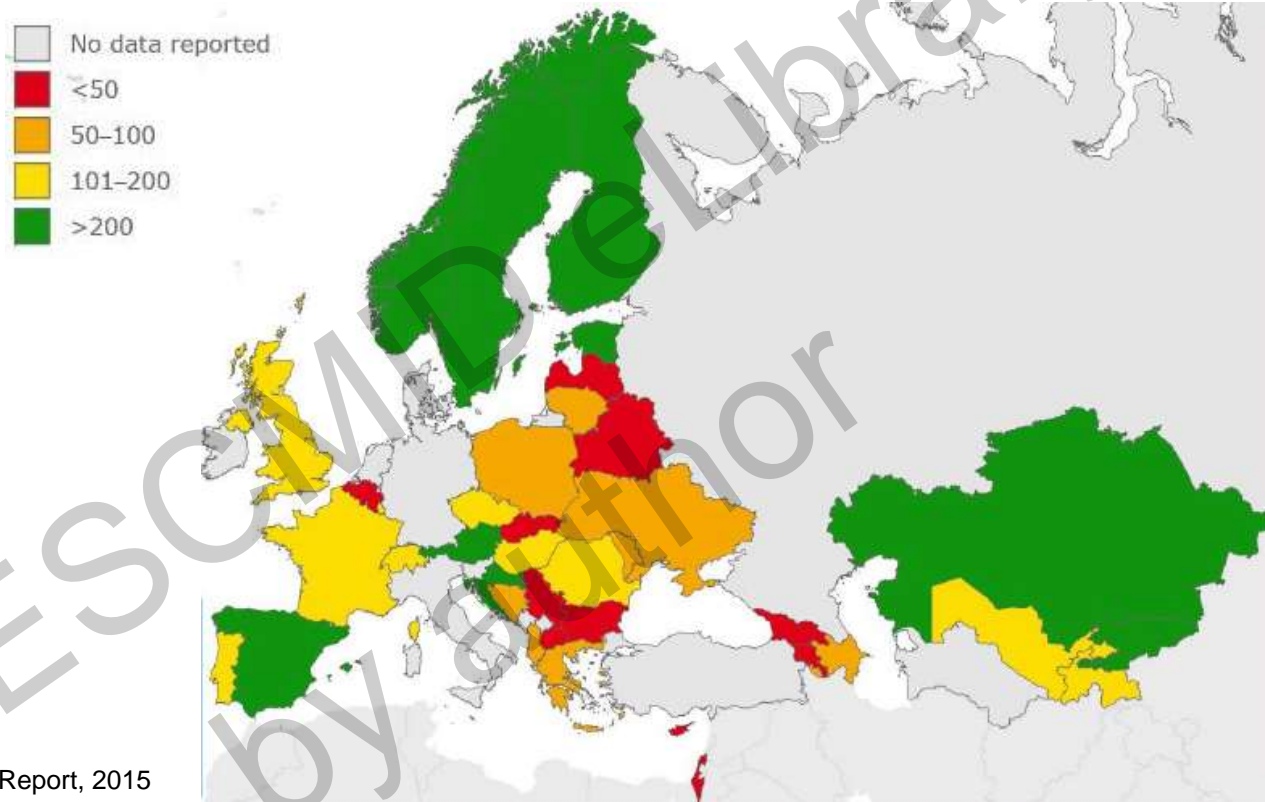


# CD4 cell count at HIV diagnosis in Eastern Europe by mode of transmission, 2014

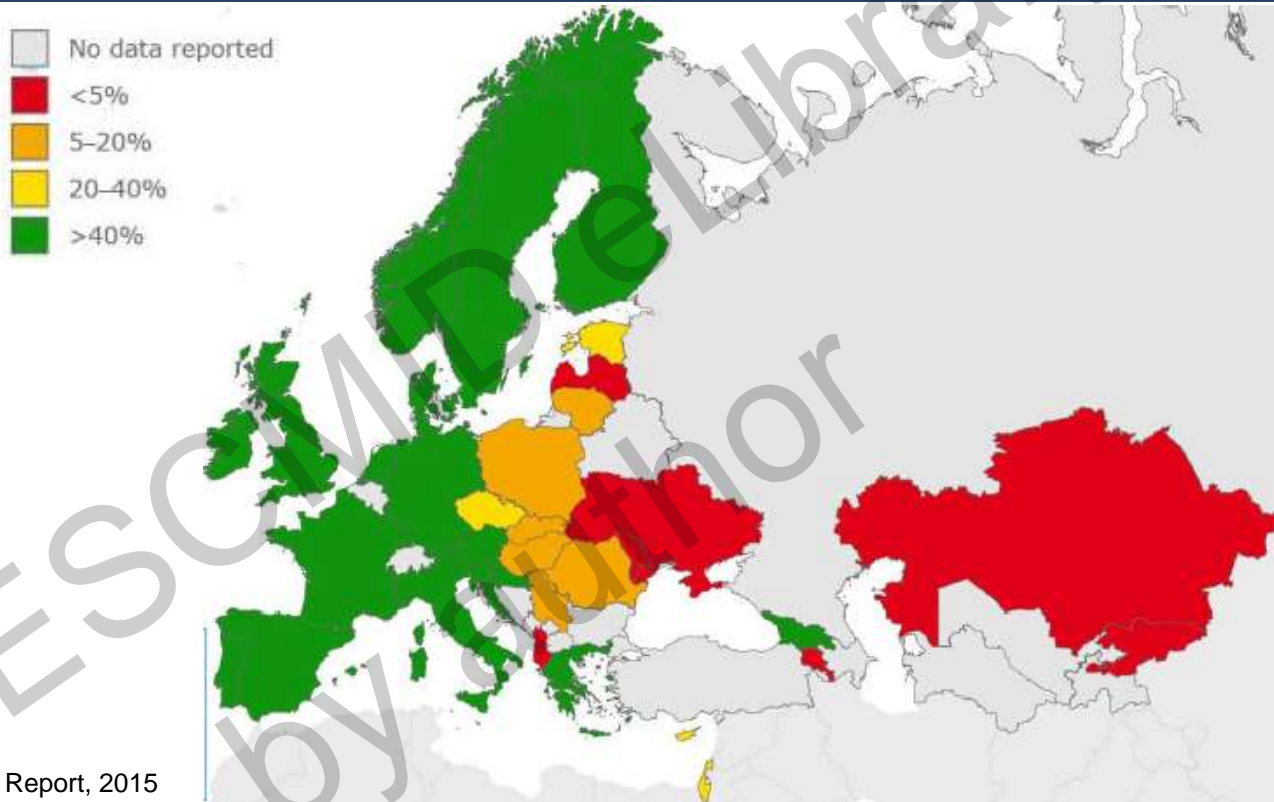


ECDC, WHO Europe. HIV/AIDS Surveillance in Europe, 2014.

# Number of syringes distributed per PWID per year by NSP, 2011–2013



# Opioid substitution coverage among PWID, 2011–2013



ECDC-EMCDDA Special Report, 2015

# Low HIV Testing Coverage

- **HIV Testing is below 50%**
  - in PWID in 76% of non-EU/EEA countries
  - in MSM in 88% of non-EU/EEA countries
  - in FSW in 73% of non-EU/EEA countries

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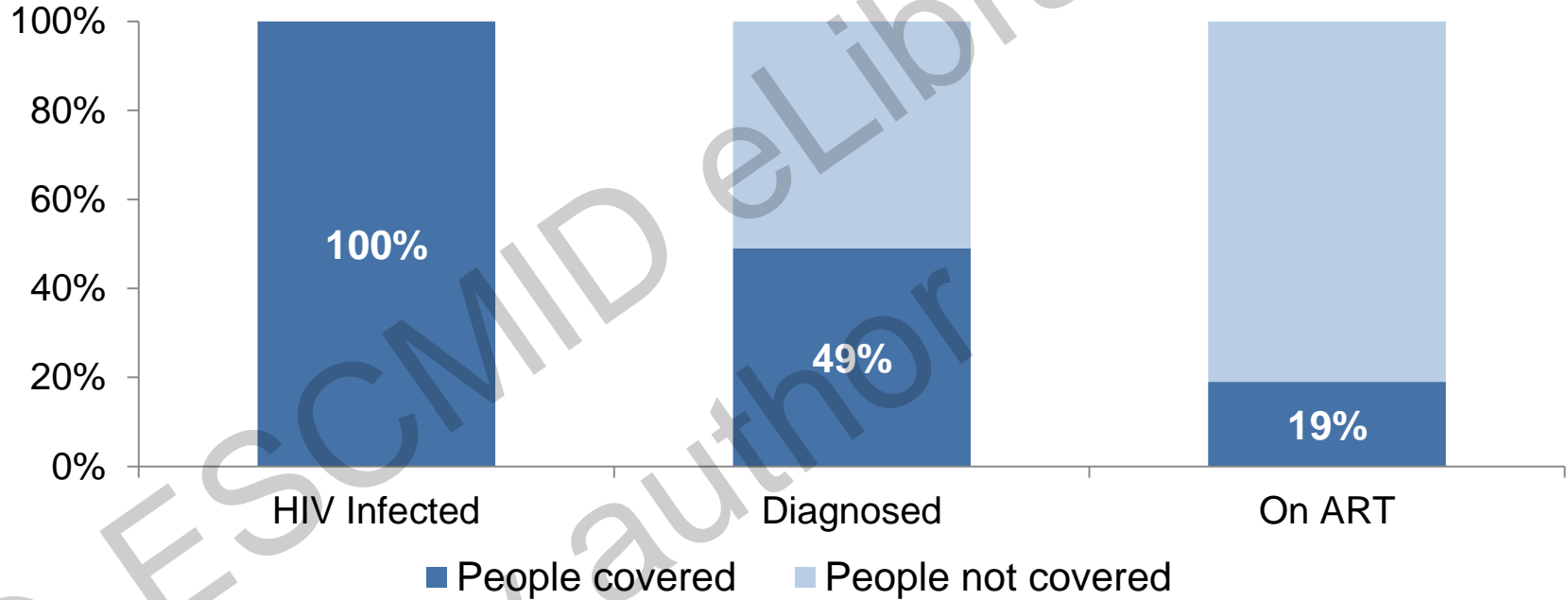
ECDC EVIDENCE BRIEF

September 2015

**HIV testing in Europe**

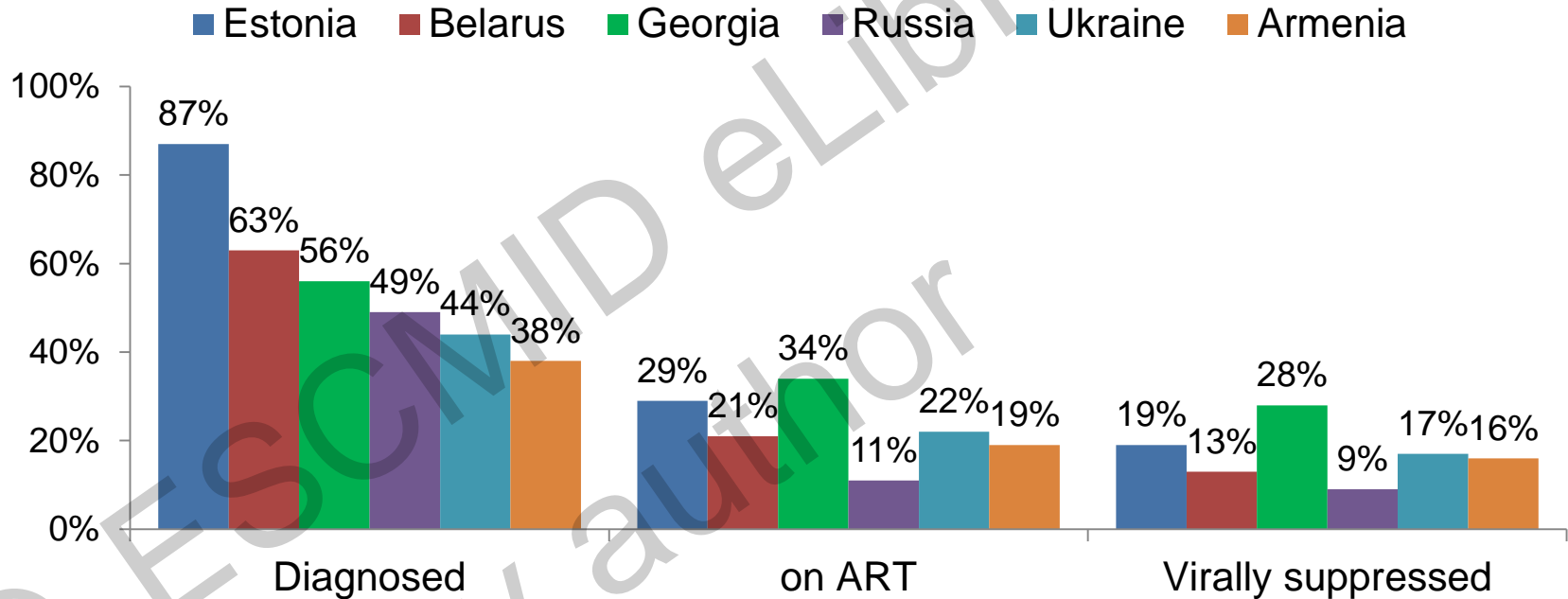


# HIV Cascade in Eastern Europe



UNAIDS MDG6 Report  
WHO/Europe program evaluation reports, 2014-2015.  
Levi J et al. IAS 2015, abstract #MOAD0102

# HIV Cascade in Eastern Europe



WHO/Europe program evaluation reports, 2014-2015.  
Levi J et al. IAS 2015, abstract #MOAD0102

# Implement Evidence Based Policy



Guidelines

## 2014 European Guideline on HIV testing

Deniz Gökegin<sup>1</sup>, Anna Maria Green<sup>2</sup>, Josip Begovac<sup>3</sup>,  
Adrian Palbreman<sup>4</sup>, Milena Steračević<sup>5</sup>, Olga Tarasenko<sup>6</sup> and  
Keith Radcliffe<sup>7</sup>

Abstract

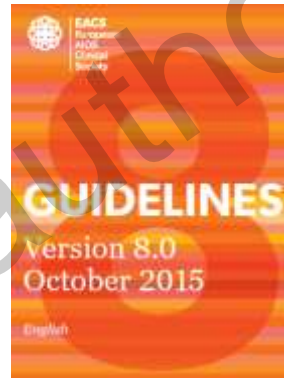
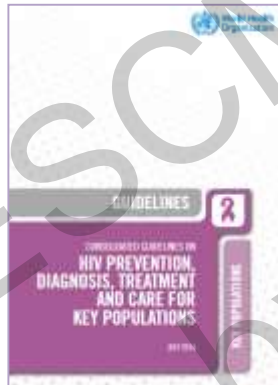
Testing for HIV is one of the cornerstones in the fight against HIV spread. The 2014 European Guideline on HIV Testing provides advice on testing for HIV infection in individuals aged 16 years and older who present to sexually transmitted infection, genito-urinary or dermatology clinics across Europe. It may also be applied in other clinical settings where HIV testing is required, particularly in primary care settings. The aim of the guideline is to provide practical guidance to clinicians and laboratories that within these settings undertake HIV testing, and to indicate standards for best practice.

Keywords

HIV, AIDS, testing, guideline, Europe

INTERNATIONAL JOURNAL OF  
**STD & AIDS**

ISSN 1365-1501  
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DOI: 10.1177/1365150114263194  
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# Acknowledgements

- Infectious Diseases, AIDS and Clinical Immunology Research Center
- ECDC, WHO Europe
- CHIP: Ole Kirk, Daria Podlekareva
- ECCMID
- Turkish Society of Clinical Microbiology and Infectious Diseases

