

# **HIV prevention interventions targeting youth at high risk for drug abuse and HIV infection**

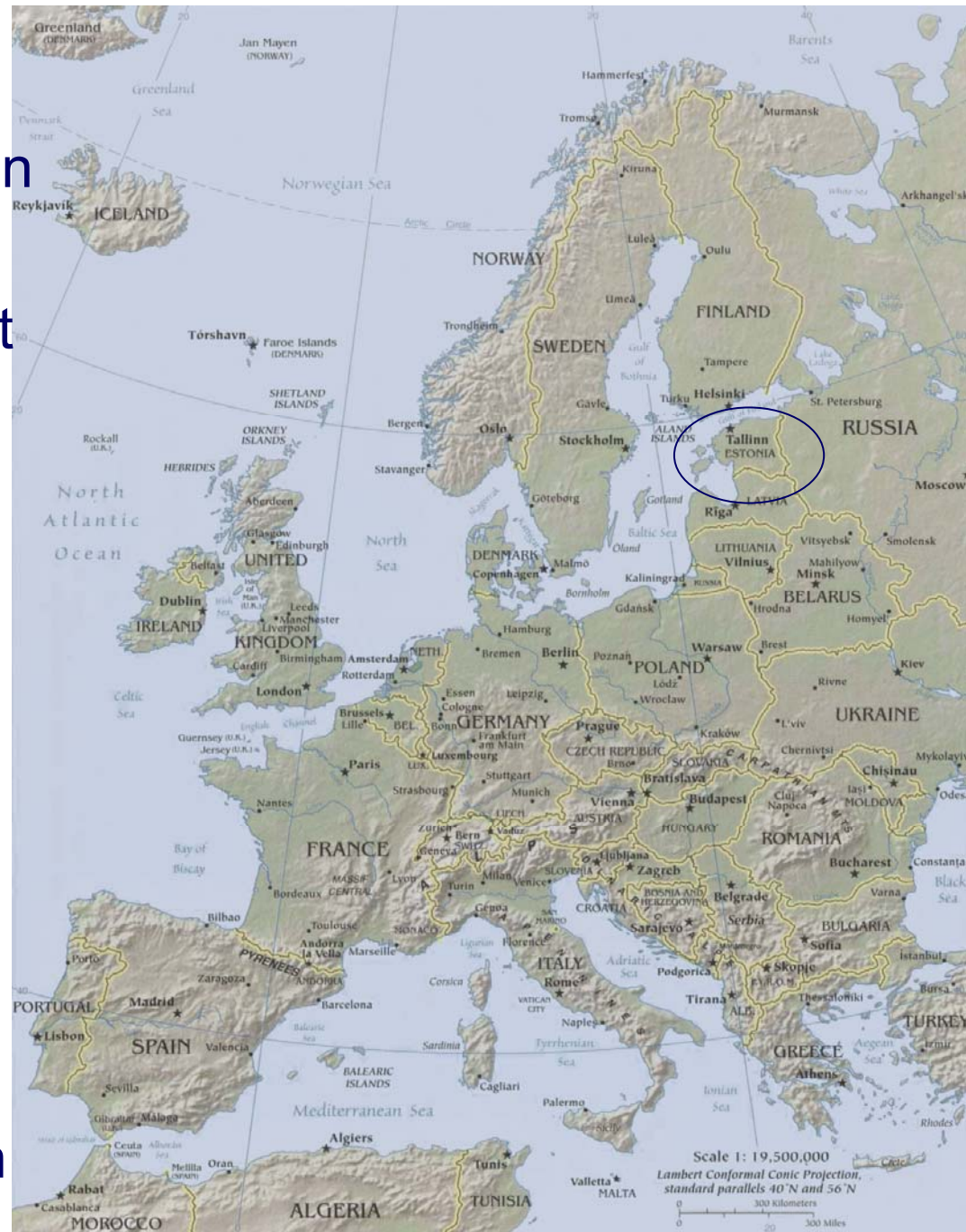
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National Institute for Health Development, Estonia

September 14<sup>th</sup>, 2009, Tallinn

# Republic of Estonia:

- ✓ Population – 1.34 million people
- ✓ Lifetime use of any illicit drug among youth aged 15–16 years – 30% in 2007
- ✓ 2.4% IDU prevalence among people aged 15–44 years in 2004
- ✓ 406 newly diagnosed HIV cases per million population in 2008
- ✓ HIV prevalence among adult population – 1.3% in 2007



# **National public health strategies**

- **National Strategy on Prevention of Drug Dependence 2012**
- **National HIV and AIDS Prevention Strategy 2006–2015**
- **Cover primary, secondary and tertiary prevention**

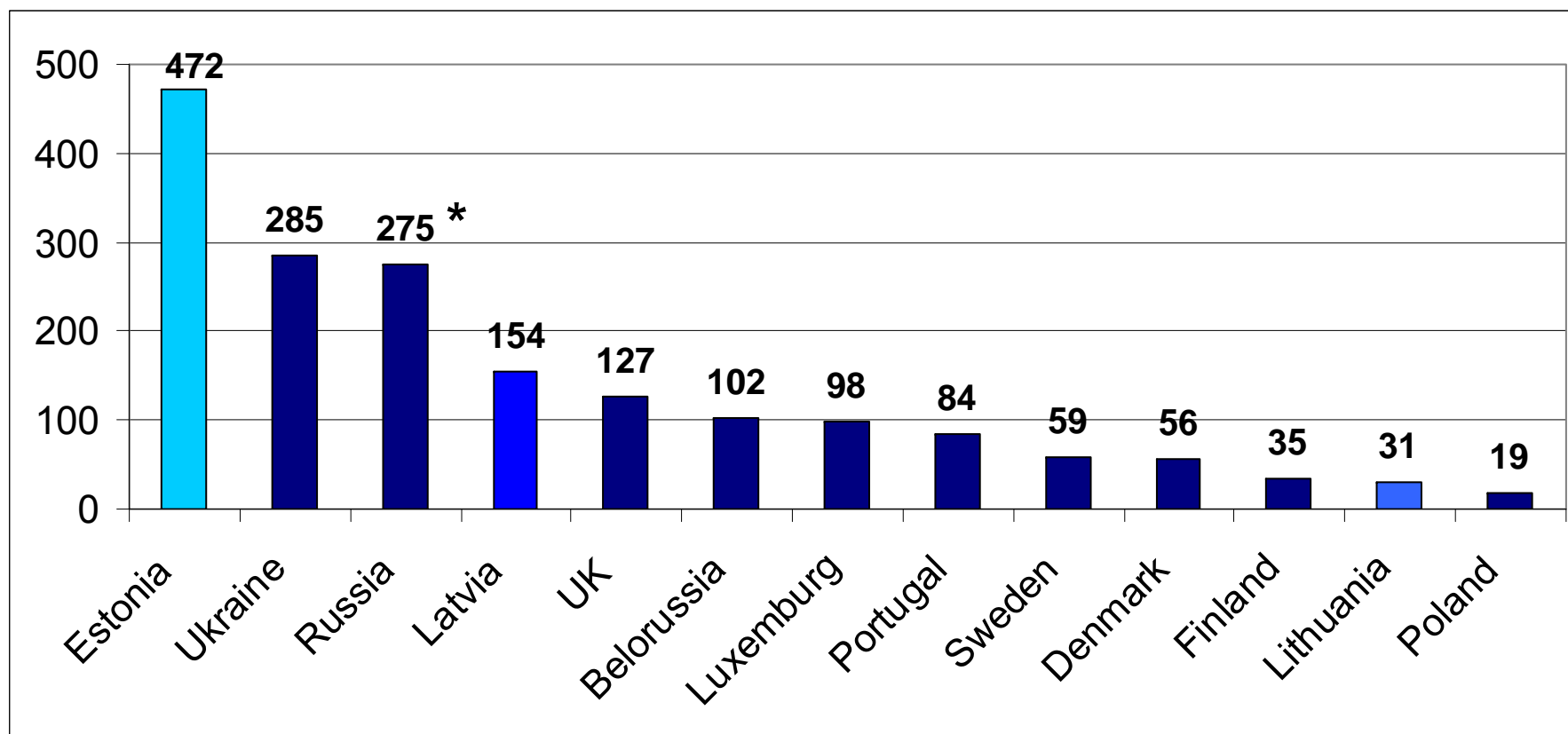


**Public campaigns  
for prevention of  
drug abuse**



**HIV prevention**

# Newly diagnosed HIV cases per one million population in selected European countries in 2007



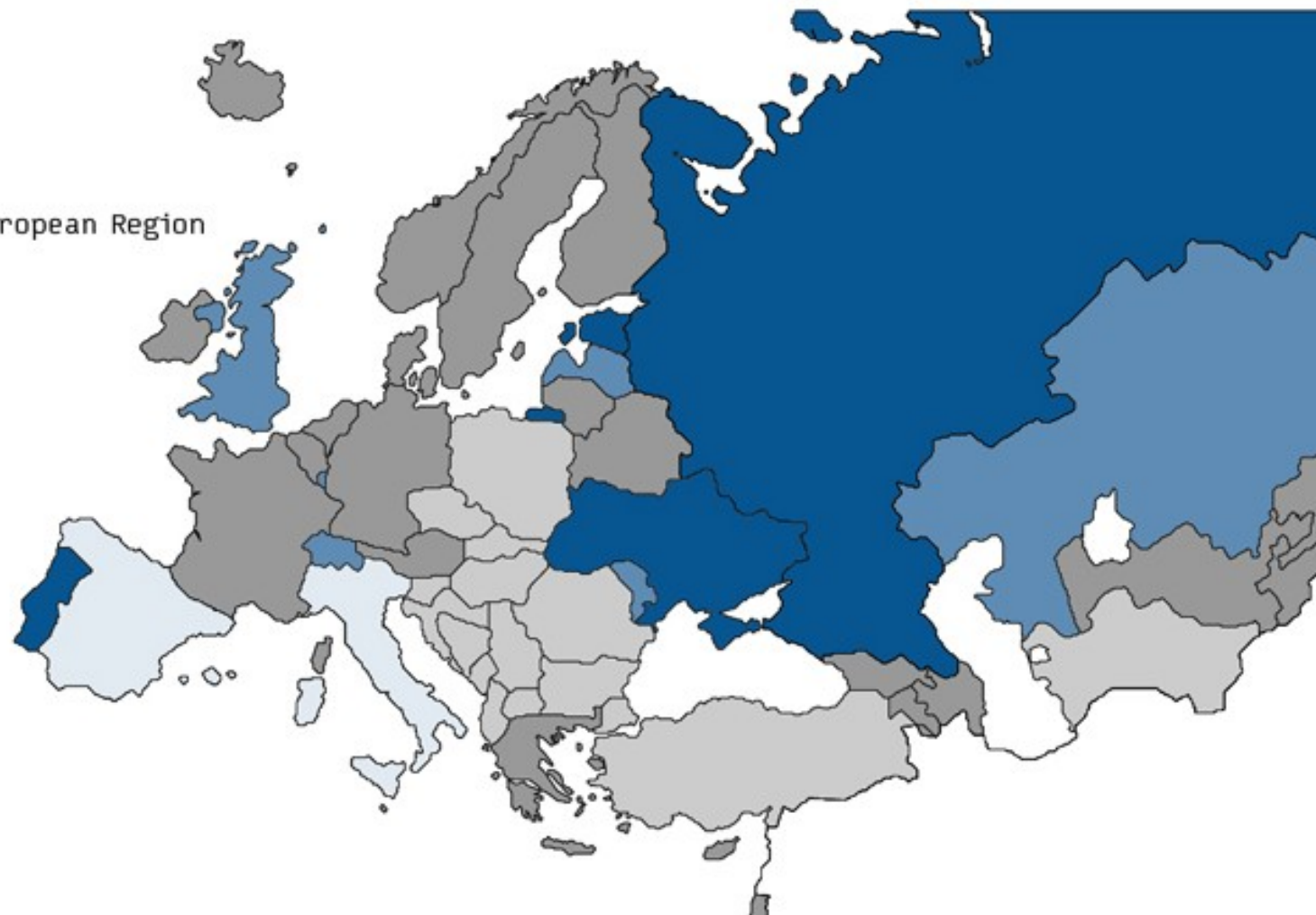
\* 2006 data

(EuroHIV 2008)

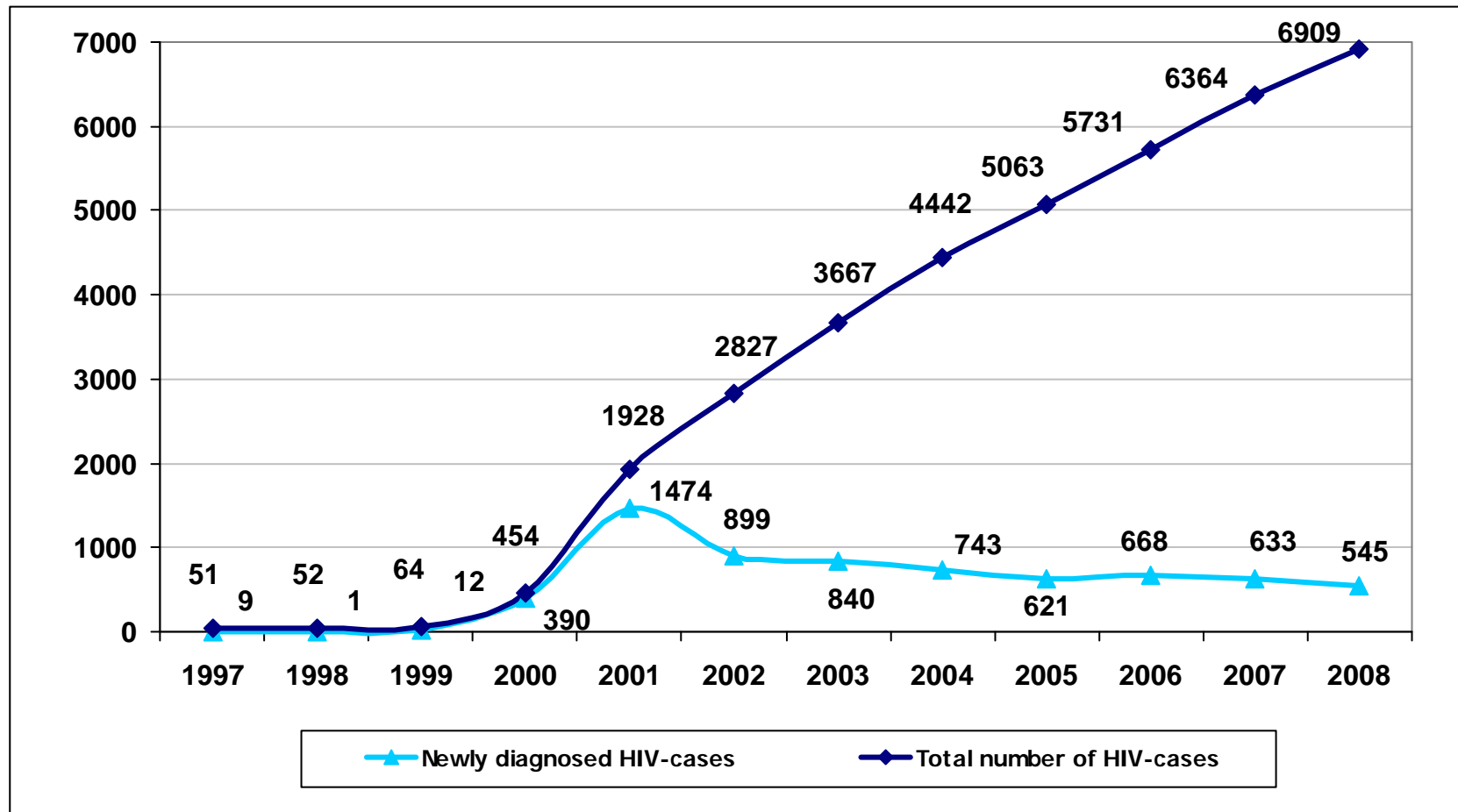
## National rates (per million population) of newly diagnosed cases of HIV reported in 2006 in the WHO European Region

Cases per million

-  < 20
-  20
-  100-199
-  200 +
-  Data not available
-  Outside the WHO European Region



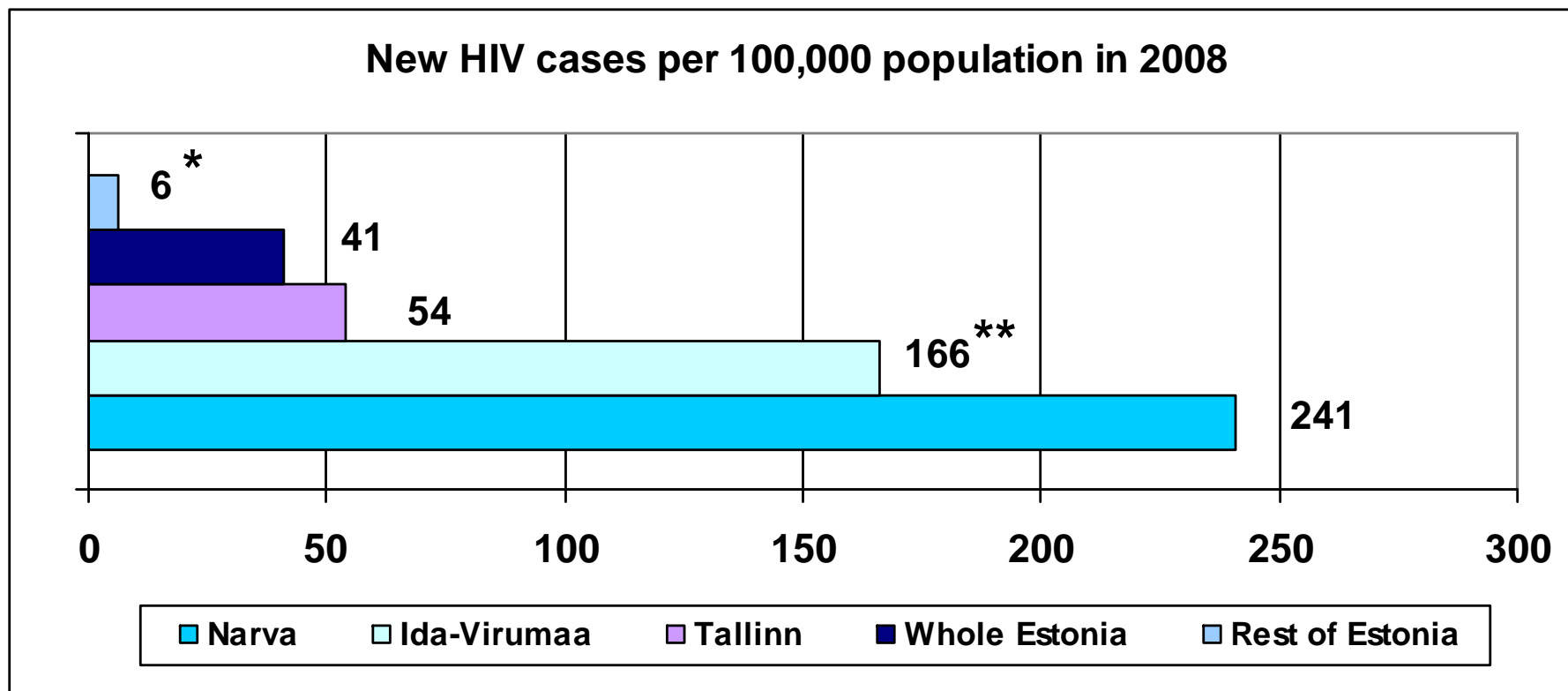
# Newly diagnosed HIV-cases in 1997–2008, and total number of HIV-cases (since 1988)



*(Health Protection Inspectorate)*



# Regional differences

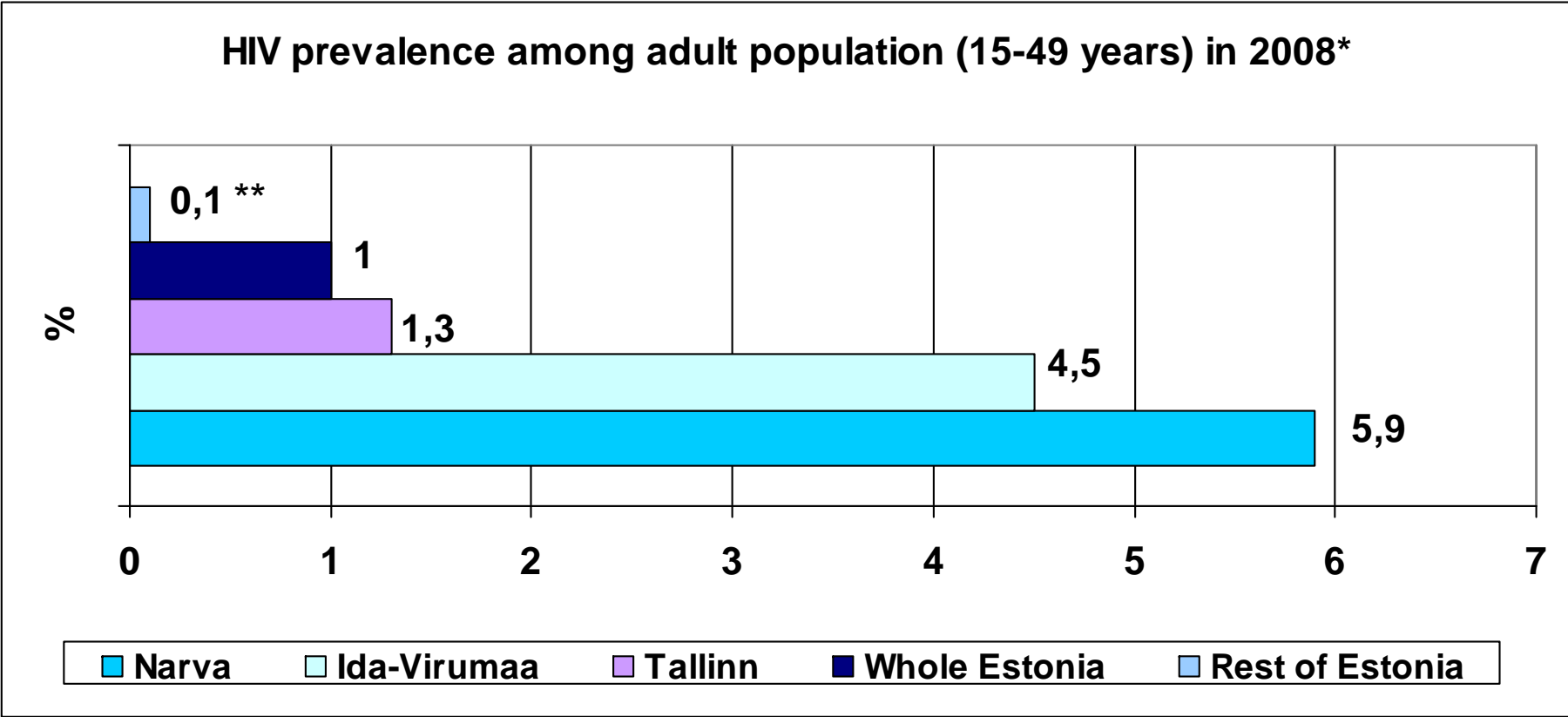


\* Without Tallinn and Ida-Virumaa

\*\* Including Narva

*(Statistics Estonia, National HIV Reference Laboratory)*

# Regional differences

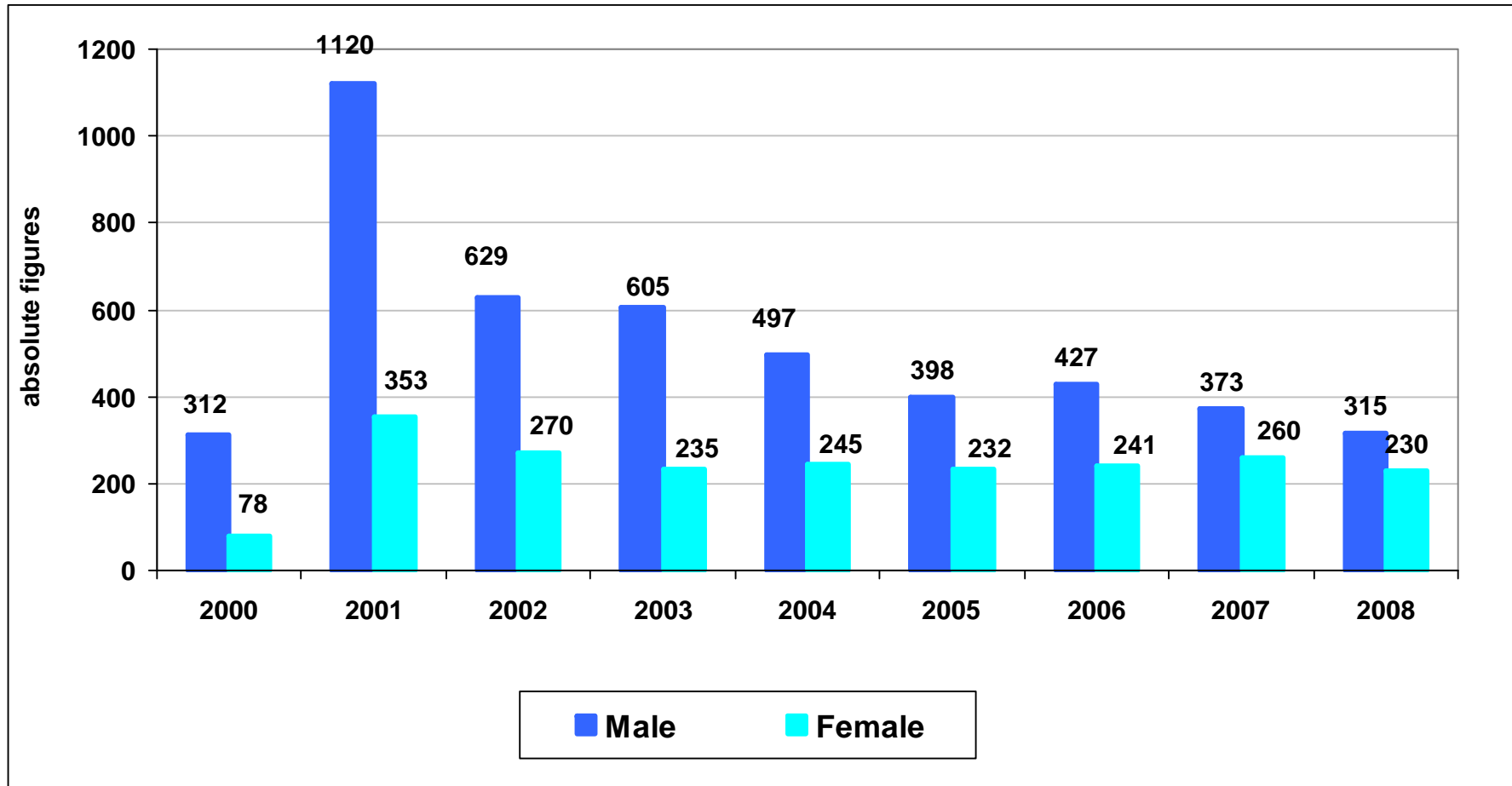


\* Does not take into consideration data on deaths

\*\* Without Tallinn and Ida-Virumaa

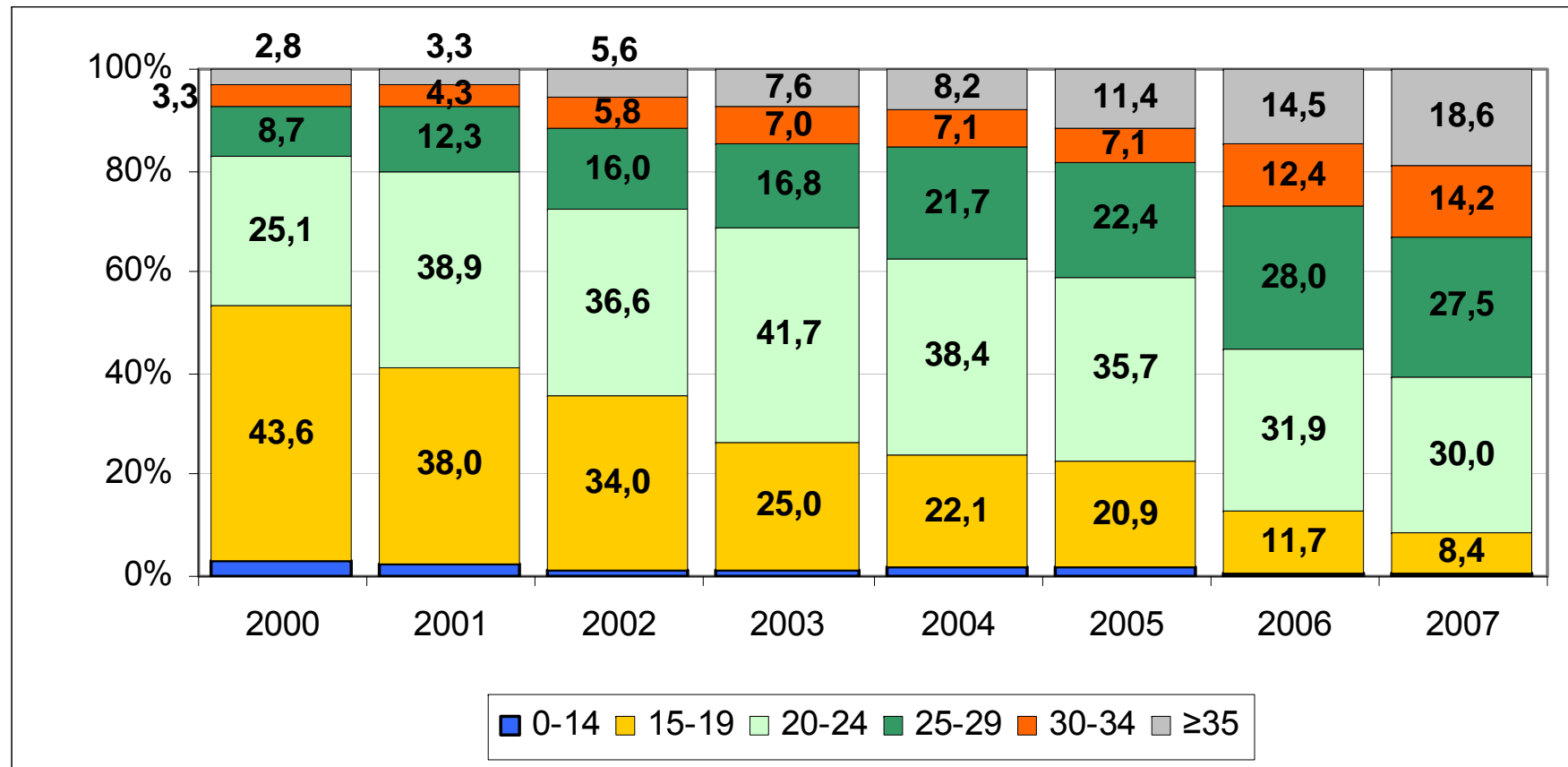
(Statistics Estonia, National HIV Reference Laboratory)

## Newly diagnosed HIV-cases in Estonia in 2000–2008 by gender (n)



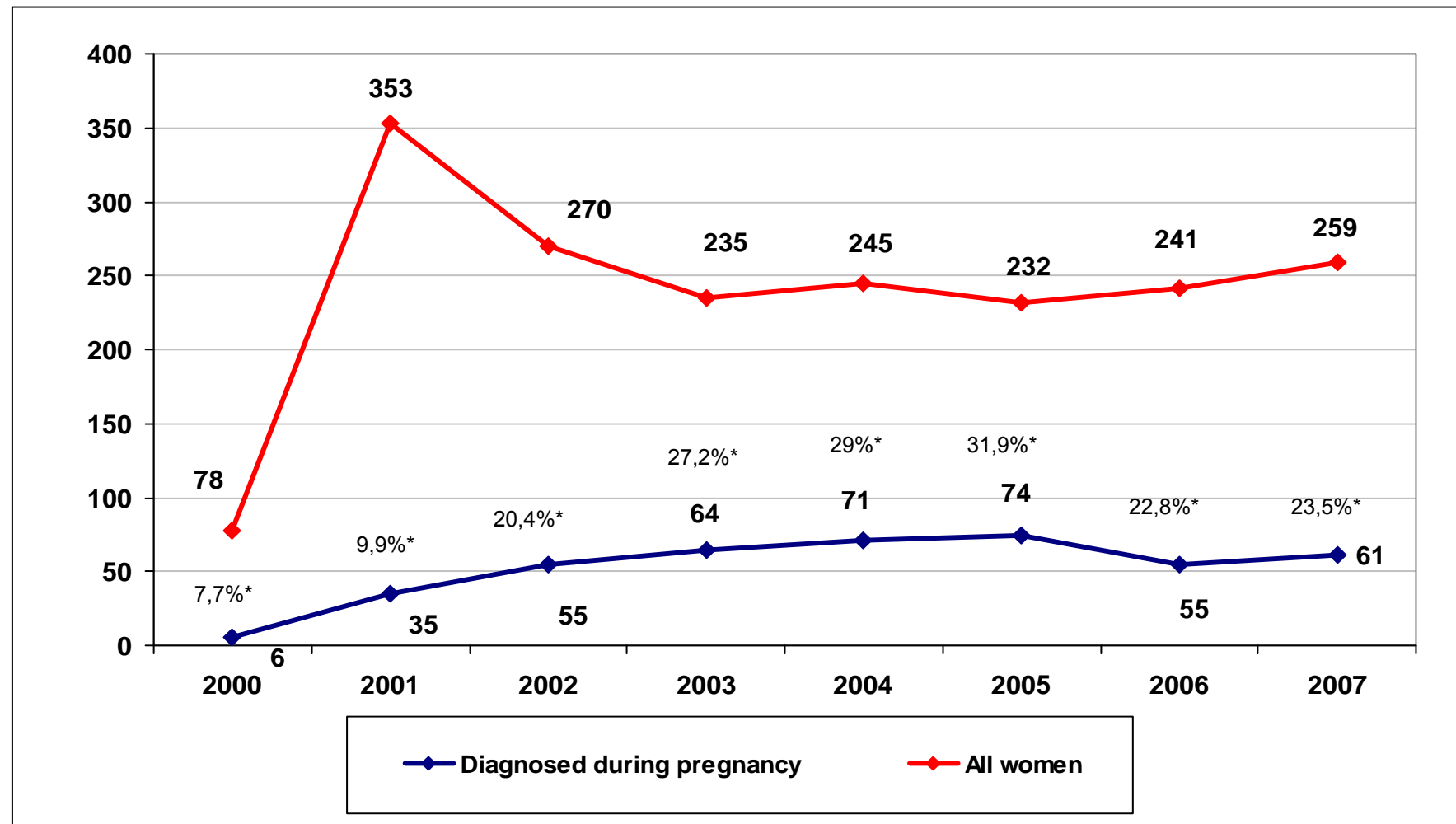
*(Health Protection Inspectorate)*

# Newly diagnosed HIV cases by age-groups in 2000–2007 (%)



(Lõhmus 2008)

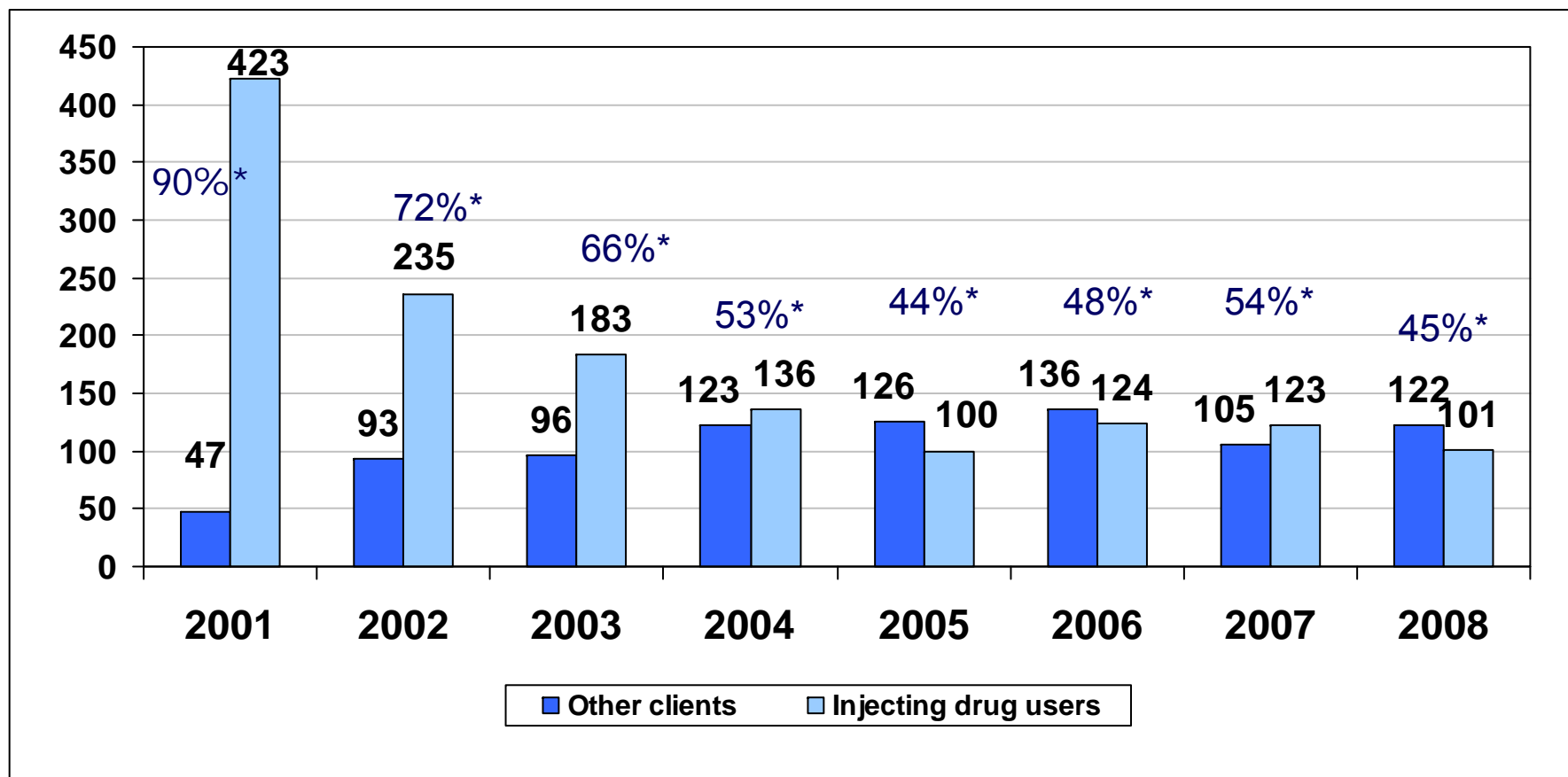
# Newly diagnosed HIV cases among women 2000–2007



\* Proportion of women who were first diagnosed HIV+ during pregnancy

(National HIV Reference Laboratory)

# HIV Cases in AIDS Counselling Centers by Mode of Transmission, 2001–2008



\* Proportion of IDUs among new cases

(National Institute for Health Development)

# **Estonian National HIV and AIDS Prevention Strategy for 2006–2015**

## **The priorities of the strategy:**

- Harm reduction interventions among injecting drug users
- Young people with high risk behaviour and other vulnerable youth
- HIV-related specific health services and psychosocial support for people living with HIV/AIDS

# **Key activities of the strategy**

- Interventions among high-risk groups
- HIV testing and counseling
- Prevention, treatment and social welfare services among people living with HIV and AIDS
- Surveillance, monitoring and evaluation
- Building of human and organizational capacity



**Injecting drug use**

# Injecting drug users

	<b>Tallinn (n=350)</b>	<b>Kohtla-Järve (n=350)</b>
<b>Median age (years)</b>	26	27
<b>Mean age at starting injecting drugs</b>	18,7 (10–42)	18,2 (13–30)
<b>HIV-prevalence</b>	47,5%	59,4%
<b>HCV-prevalence (hepatitis C)</b>	89,8%	75,9%
<b>Sharing syringes/needles in last 4 weeks</b>	17,8%	5,8%
<b>Proportion of IDUs who have been in contact with harm reduction services during lifetime</b>	71,4%	78,6%

*(Lõhmus 2008)*

# Services for injecting drug users

- The first syringe exchange programs started in 1997
- Substitution treatment since 2004
- In 2009:
  - ✓ Syringe exchange programs – 36
  - ✓ Long- and short-term substitution treatment – 7 centers
  - ✓ Free of charge and anonymous STI services – 2 centers

# The work of syringe exchange programs in 2004–2008

	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>
First time clients	3 264	2 576	2 640	2 985	4 045
All visits	57 145	80 689	160 055	201 290	170 624
Distributed syringes and needles	519 753	867 630	1 608 450	1 972 357	2 420 304

**TASUTA!**

[www.hiv.ee](http://www.hiv.ee)

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LOOSIMISES,  
KASUTA  
KONDOOMI!**

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JUBA ÜLE  
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HIV-NAKATUNU!

IGA PÄEV  
VÄHEMALT  
**2 UUT**  
HIV-POSITIIVSET!

Kampaaniat rahastab  
Tervise Arengu Instituudi Global Fundi Programm

 **Tervise Arengu Instituut**  
National Institute for Health Development

**Public campaigns  
for promotion of condom use**

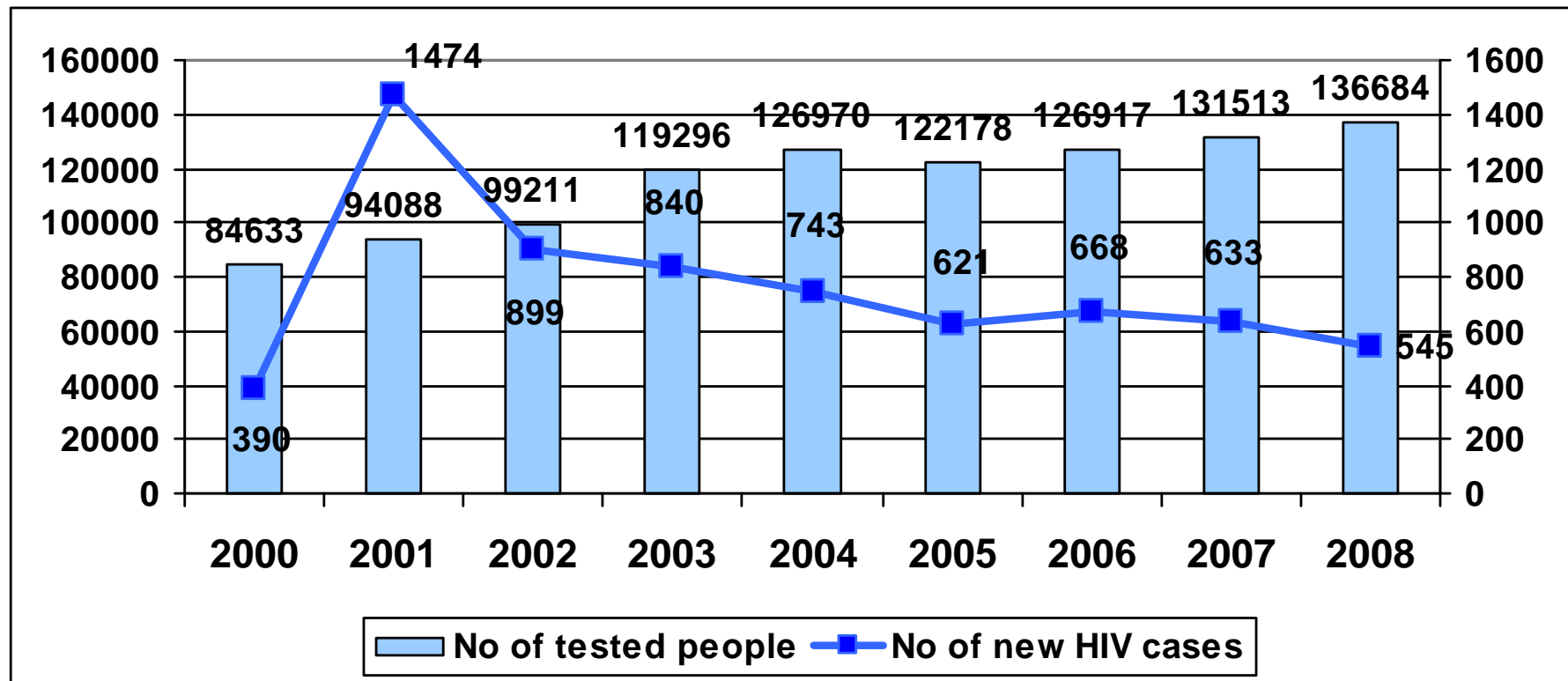


## HIV and other STI testing

# HIV testing in Estonia

- Anonymous AIDS counseling centres
- Youth counseling centres
- All pregnant women, TB patients, and STI patients are offered HIV testing
- All prisoners are offered HIV testing
- Mandatory screening of blood and organ transplantations

# Screening of HIV in 2000–2008\*



\* Includes blood- and organ donors and anonymous testing

*(Health Protection Inspectorate, National HIV Reference Laboratory)*