

HIV/AIDS epidemics around the Baltic sea and public health implication

1998-2005

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Nordic Dimension meeting

October 5 2006



INSTITUT DE
VEILLE SANITAIRE



WHO & UNAIDS Collaborating Centre

Objectives:

- **To compare trends of HIV cases reported in Nordic countries and the Baltic States**
- **To present data on HIV among specific populations: injecting drug users, pregnant women**

Methods

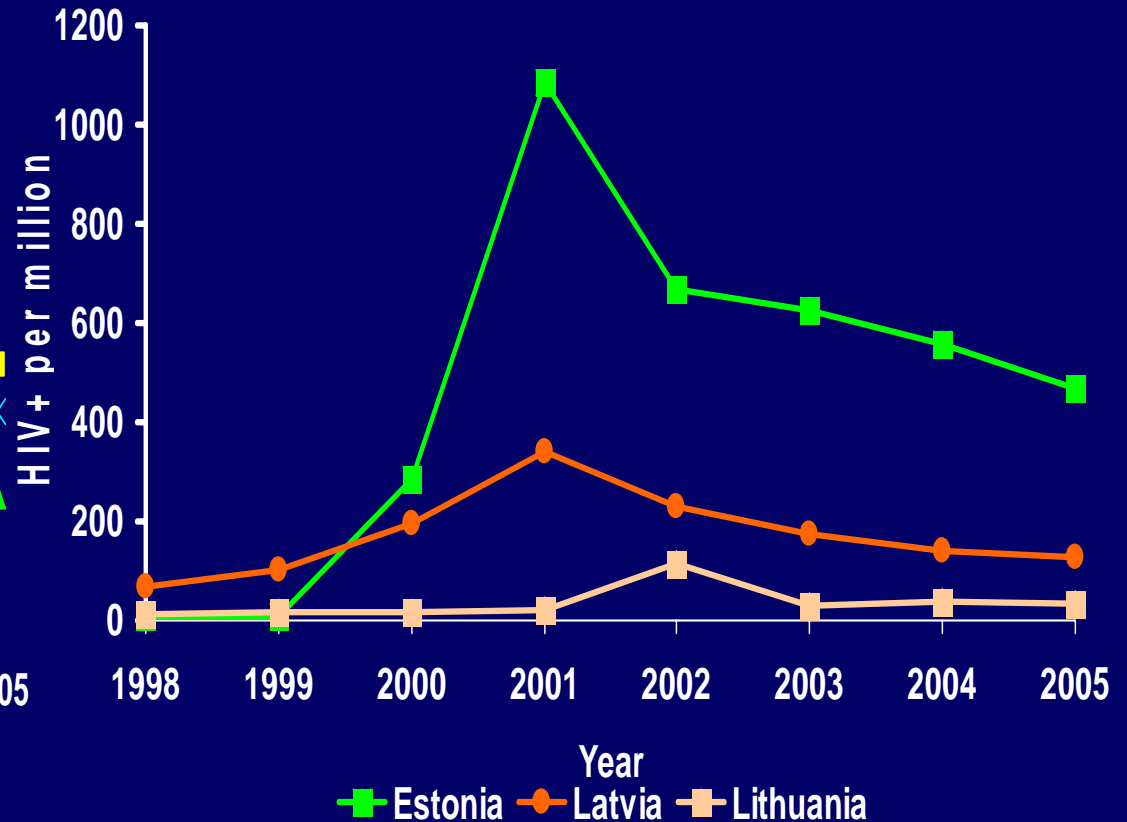
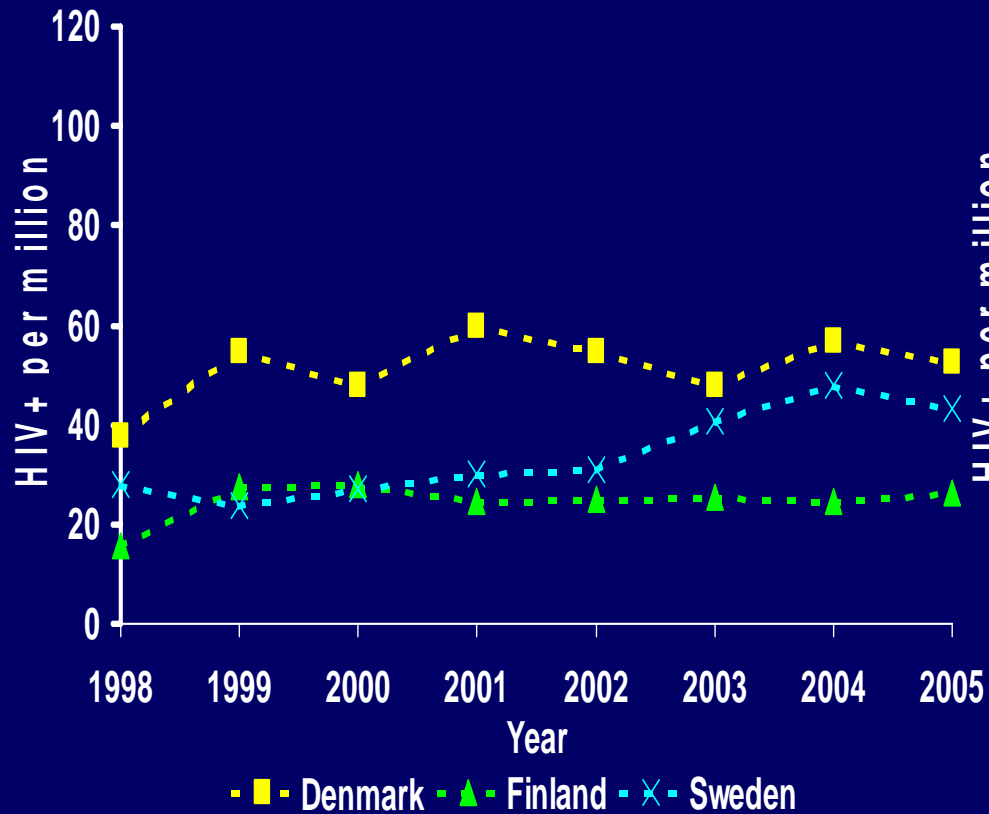
Geographic coverage:

- **Nordic: Denmark, Finland, Sweden - (pop. 19.7 million)**
- **Baltic: Estonia, Latvia, Lithuania - (pop. 7.1 million)**

Data sources:

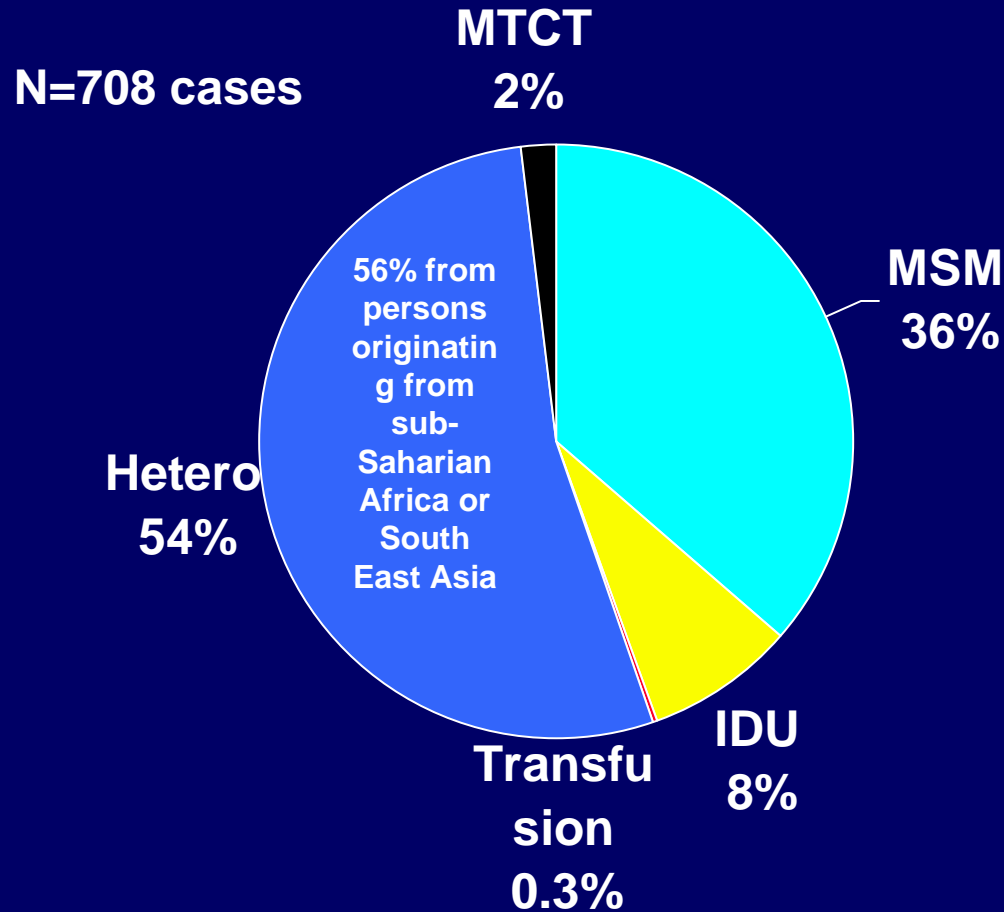
- **HIV case reporting data from national correspondent to EuroHIV (1998-2005)**
- **European HIV Prevalence Database: data from seroprevalence studies or systematic reporting of results of diagnostic testing in specific populations:**
 - **Pregnant women**
 - **Blood donations**

Reported HIV cases per million population, by country, 1998-2005



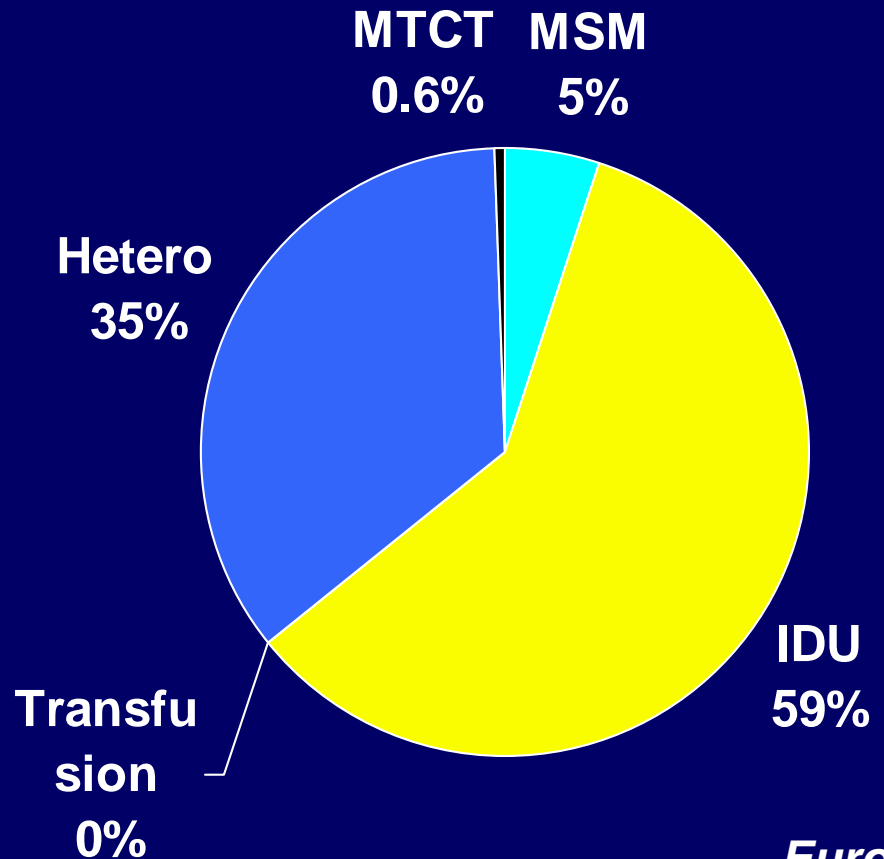
Reported HIV cases by transmission mode in Nordic countries and the Baltic States, 2005

Nordic countries



Baltic States

N=330



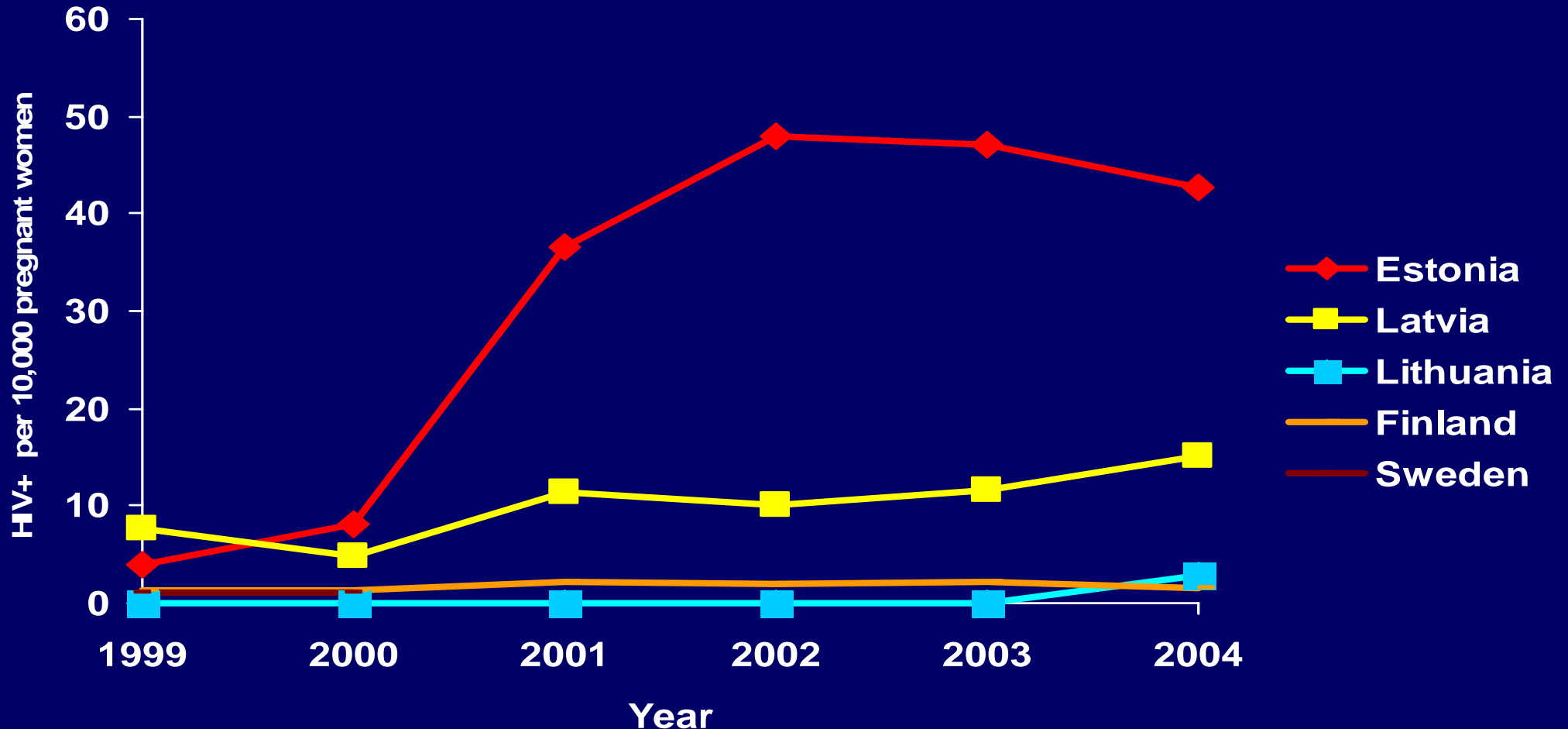
EuroHIV

Cases with unknown transmission mode excluded

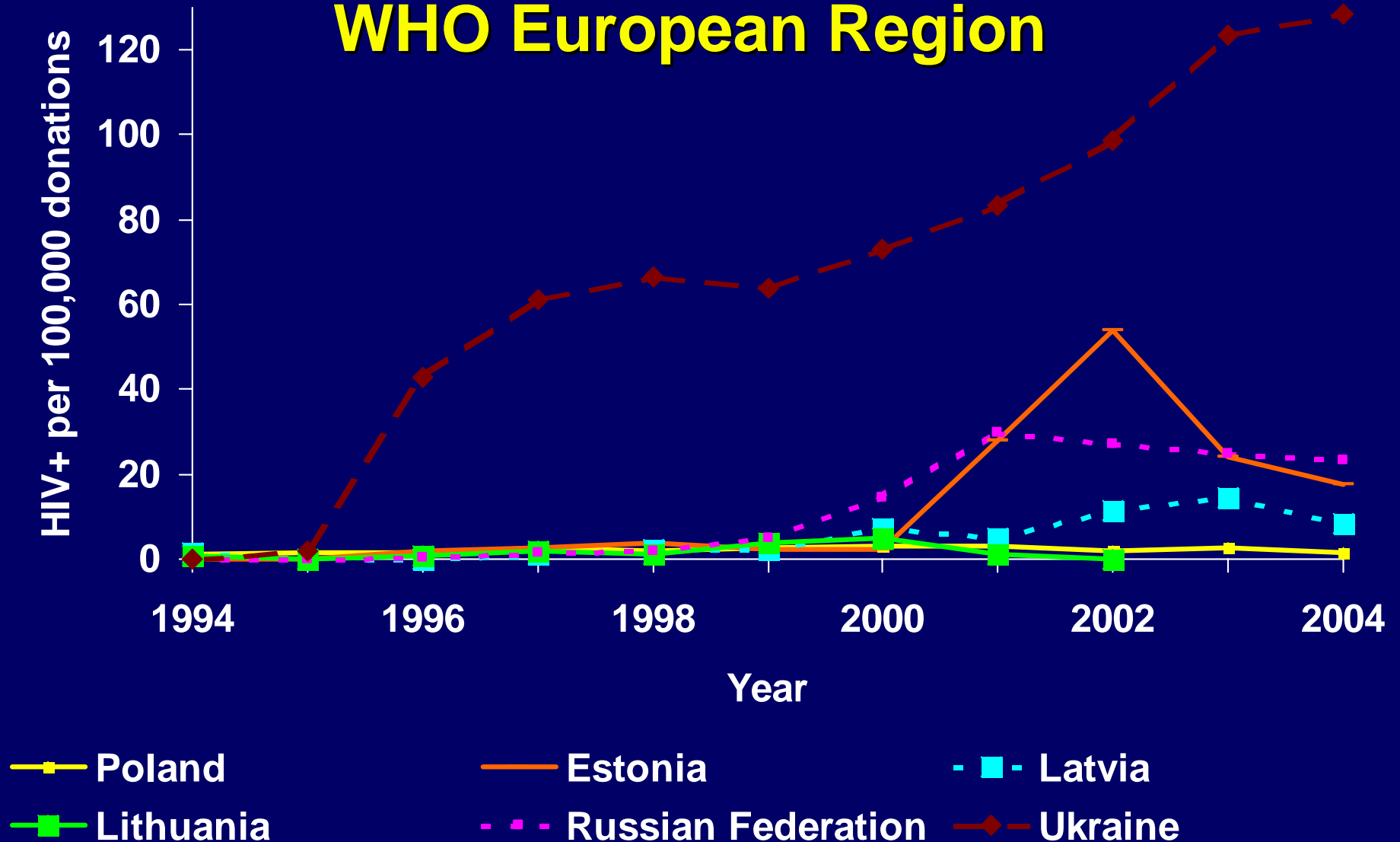
MTCT- mother to child transmission, Baltic countries: Denmark, Sweden, Finland; Baltic States: Latvia, Lithuania; data not available from Estonia

N.B. in the NC most transfusion and MTCT cases are from persons originating from sub-Saharan Africa, South East Asia

Rates of HIV per 10,000 pregnant women attending antenatal care in selected Nordic countries and Baltic States, 1999-2004



HIV prevalence among blood donations, in the selected countries in the East, 1994-2004, WHO European Region



Conclusion:

The HIV epidemic is more severe in the Baltic States than in Nordic countries

➤ **Baltic States**

- **Injecting drug use is still a dominant factor**
- **Increasing heterosexual transmission**

Recommendations Baltic States:

- **Ensure improved HIV/AIDS surveillance data and participation in European HIV surveillance network**
 - **interventions to control HIV among IDU and heterosexuals should be maintained and strengthened**
 - **universal screening for pregnant women**
 - **measures to insure blood safety**

Acknowledgments

EuroHIV team

National HIV/AIDS correspondents

Denmark: Statens Serum Institute, Copenhagen; Estonia: Health Protection Inspectorate, Tallin, Finland: National Public Health Institute, Helsinki; Latvia: AIDS Prevention Centre, Riga; Lithuania: Lithuanian AIDS Centre, Vilnius; Sweden: Swedish Institute for Infectious Disease Control, Solna.

Thank you!