

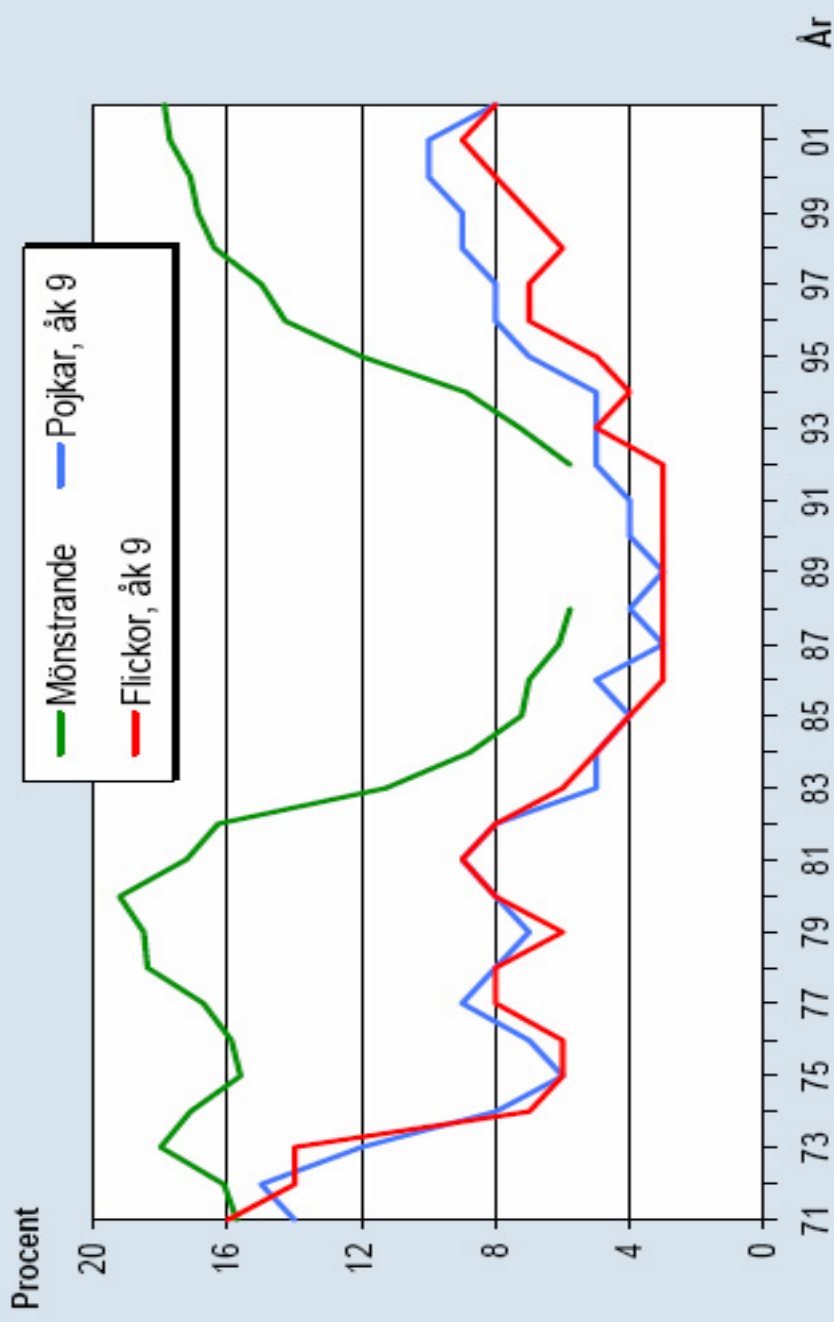


***Risk Taking Behaviour,  
Alcohol and Drugs in Adolescents  
Luxembourg, September 20, 2004***

**Anne-Liis von Knorring  
MD, professor  
Uppsala University**

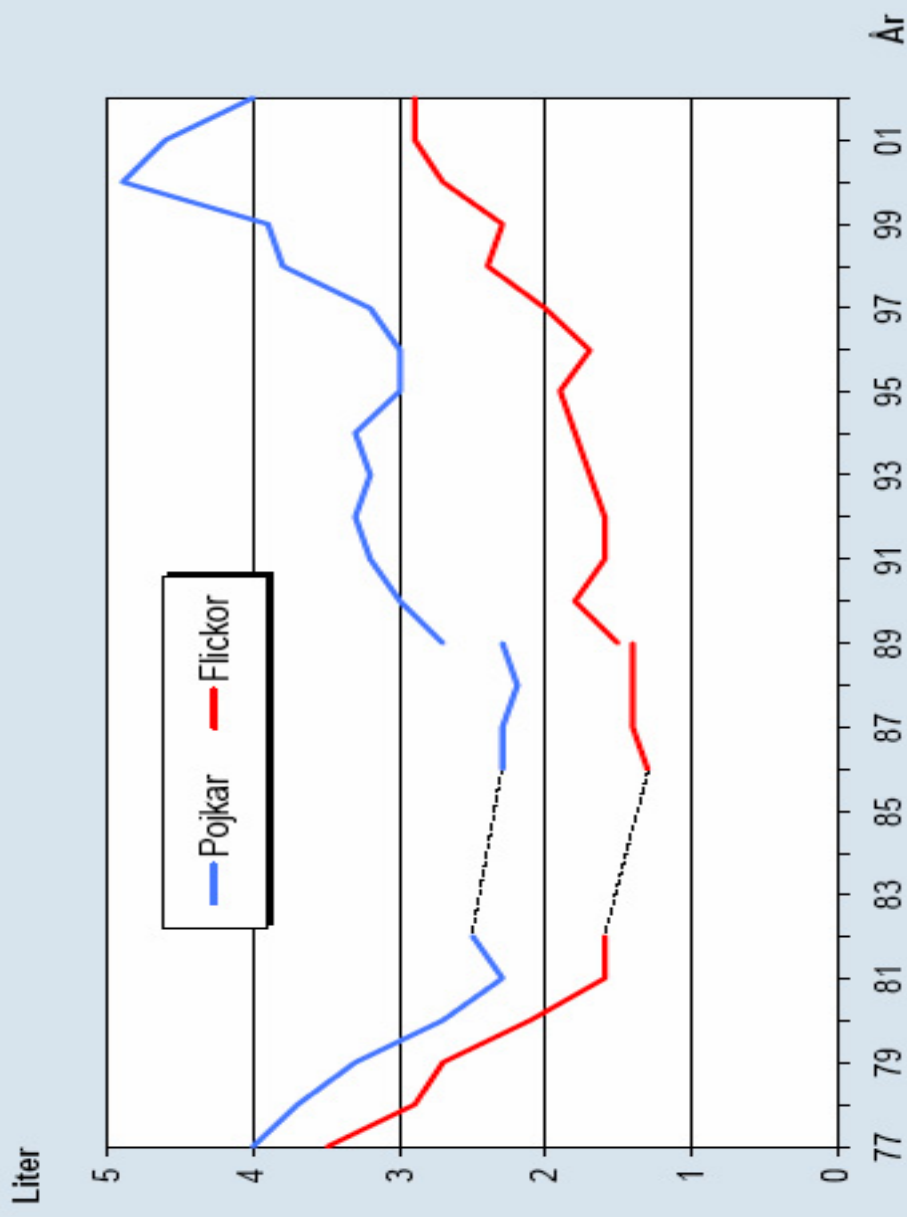


**Andelen elever i årskurs 9 samt andelen mänstrande som uppgett att de någon gång prövat narkotika. 1971-2002.**





Den beräknade genomsnittliga årskonsumtionen i liter alkohol 100% i årskurs 9 efter kön. 1977-2002. (1977-1989 avser skattade värden.)





UPPSALA  
UNIVERSITET

# *Assaults and Alcohol use (100 % alcohol) Sweden 1835 - 2000*

Assaults

Alcohol consumption





UPPSALA  
UNIVERSITET

# ***Disruptive Behaviour Pathways***



## ***Overt***

*minor aggression ➔ physical fighting ➔ violence*

## ***Covert***

*minor covert behaviour ➔ property damage ➔ delinquency*

*Oppositional Def Dis ➔ Conduct Dis ➔ Antisocial P D*



# Disruptive Behaviour AGGRESSION

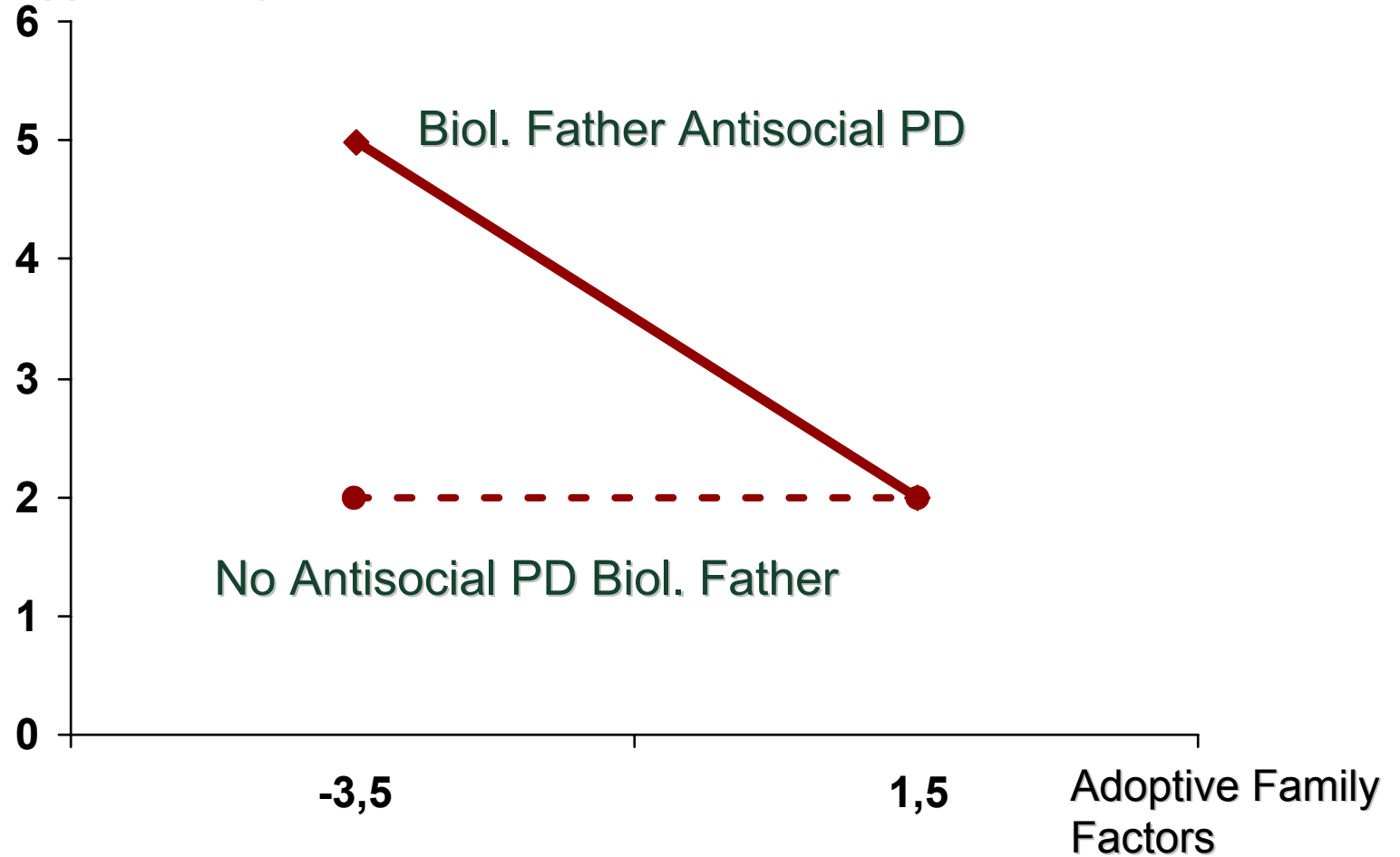
Prepubertal	↑	prolactine (FEN-test) <i>(Halperin -94 -97, Pine -97)</i>
	↔	prolactine (FEN-test) <i>(Schulz -98, -01)</i>
Adol.+prepub.	↓	5-HIAA/CSF <i>(Kruesi -90, Clarke -99)</i>
		5HTT transporter gene <i>(Twitchell -01, Seeger -01, Manor -01, Zalsman -01)</i>
Aggr. Father	↓	prolactine (FEN-test) <i>(Halperin -97)</i>



UPPSALA  
UNIVERSITET

## Aggression in Adolescents Adoption study

Number  
aggressive symptoms





UPPSALA  
UNIVERSITET

## ***Environmental Risks of Violence and Disruptive Behaviour in Adolescents***

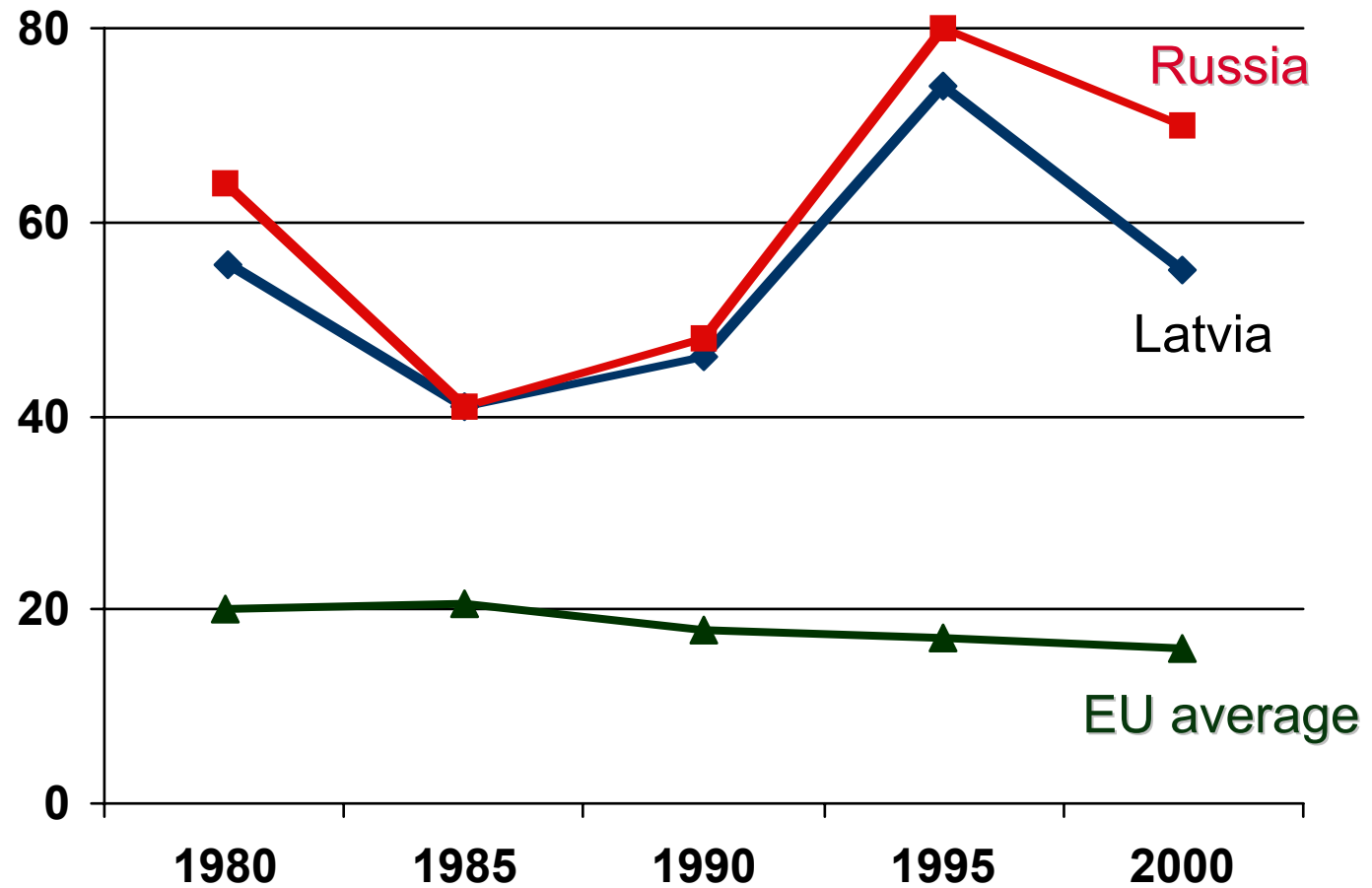
- *Community disorganisation*
- *Availability of drugs*
- *Exposure to violence*
- *Poverty, disadvantaged neighborhood*
- *Racial prejudice*
- *Child and sexual abuse*
- *Association with deviant peers*





UPPSALA  
UNIVERSITET

## *Suicide and self-inflicted injury, all ages per 100,000 males*

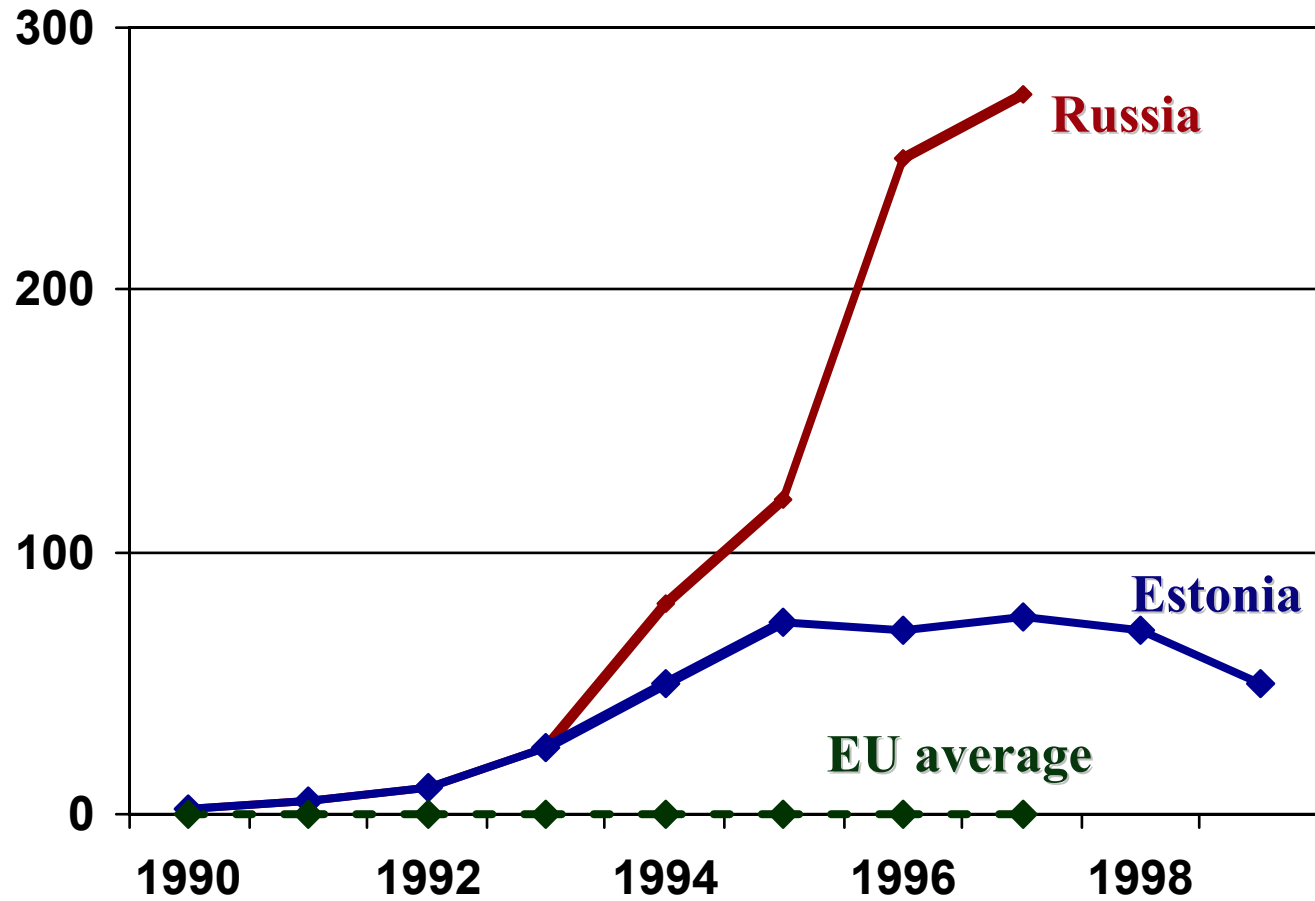


WHO Europe 2003



UPPSALA  
UNIVERSITET

## *New cases of Syphilis per 100,000*





UPPSALA  
UNIVERSITET

## ***Environmental Risks of Violence and Disruptive Behaviour in Adolescents***

- *Community disorganisation*
- *Availability of drugs*
- *Exposure to violence*
- *Poverty, disadvantaged neighborhood*
- *Racial prejudice*
- *Child and sexual abuse*
- *Association with deviant peers*



UPPSALA  
UNIVERSITET

**This paper was produced for a meeting organized by Health & Consumer Protection DG and represents the views of its author on the subject. These views have not been adopted or in any way approved by the Commission and should not be relied upon as a statement of the Commission's or Health & Consumer Protection DG's views. The European Commission does not guarantee the accuracy of the data included in this paper, nor does it accept responsibility for any use made thereof.**