Sexually transmitted infections in male heterosexual Dutch clients who visited a cross-border female sex worker; a 3 year retrospective study

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INTRODUCTION

Dutch male heterosexual clients report to visit crossborder Female Sex Workers (FSW), and may therefore be at risk for sexually transmitted infections (STI).

AIM

· The aim of this study was to assess whether having commercial cross-border sex is associated with being diagnosed with an STI more frequently than visiting an Dutch FSW.



Figure 1. Counties with STI clinics participating in current study (in purple)

METHODS

- · An observational retrospective study was performed using patient-based data of 8 Dutch STI clinics bordering Germany (see figure 1), between 2011-2013.
- All male heterosexual clients of FSWs were selected and data on country of visiting FSW and occurrence of STI were used.

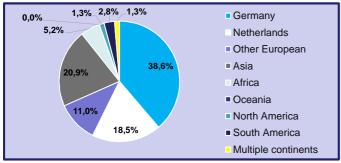


Figure 2. Visited countries by clients of FSW



RESULTS

- 535 clients had a known country of visit.
- Making cross-border visits to Germany was most frequently reported (38.7%), followed by visits to Asia (20.9%) and within the Netherlands (18.5%), see figure 2.
- STI positivity was 15% among clients making cross-border visits, 7.9% among clients visiting another country and 7.1% among clients who visited the Netherlands.
- In multivariable analysis (see table below) clients were more likely to be STI positive when they had 20 or more partners (OR=3.5; 95%CI 1.4 to 8.6) in the last 6 months and did not use a condom during last sexual contact (OR=2.3; 95%Cl 1.2 to 4.3).

Table. Demographic and behavioral predictors for STI positivity among clients

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	Univariable	Multivariable
	regression	regression
	analysis	analysis
	OR(95%CI)	OR(95%)
Age	(33333)	. (,
<25 years	ref	nt
25-44 years	0.9(0.4-1.8)	110
	,	
>45 years	1.1(0.5-2.5)	
Country of birth		
Netherlands	ref	ref
Other	0.4(0.1-1.1)	0.4(0.1-1.2)
No. of sex partners		
0-2	ref	ref
3-5	1.7(0.8-3.6)	1.7(0.8-3.6)
6-20	1.8(0.8-4.1)	1.6(0.7-3.9)
>20	3.7(1.5-9.0)	3.5(1.4-8.6)
Condom use		· · · · · ·
Yes	ref	ref
No	2.1(1.2-3.9)	2.3(1.2-4.3)
Sex abroad	,	,
No	ref	ref
Yes, cross-border	2.4(1.0-5.6)	2.1(0.9-5.2)
Yes, another country	1.1(0.4-2.7)	1.0(0.4-2.5)
i es, anomei country	(3.7 2.17)	(02.0)

CONCLUSIONS and RECOMMENDATIONS

- · Country of visit does not appear to be a risk factor for STI in clients of FSW.
- STI prevention advice should remain focused on reduction of multiple partners and adequate condom use.







