

**Supplemental table S3.** Sensitivity analyses for determinants of HIV and/or syphilis diagnosis among women and heterosexual men aged >25 years visiting Dutch sexual health centres between 2015-2021

	Adjusted OR (95% CI) overall model	Adjusted OR (95% CI) HIV infection	Adjusted OR (95% CI) Syphilis infection	Adjusted OR (95% CI) including anal sex, 2016-2021	Adjusted OR (95% CI) excluding COVID-years, 2015-2019
Total number of HIV and/or SYPH positive	242	74	169	210	165
Total number of consultations*	103 822	103 822	103 822	82 885	86 223
Sex					
Women	1	1	1	1	1
Men	<b>2.2 (1.6 to 3.0)</b>	<b>2.0 (1.2 to 3.3)</b>	<b>2.4 (1.7 to 3.4)</b>	<b>2.5 (1.8 to 3.5)</b>	<b>1.8 (1.3 to 2.6)</b>
Age					
26-29 years	1	1	1	1	1
30+ years	<b>1.8 (1.3 to 2.5)</b>	1.7 (1.0 to 3.1)	<b>1.9 (1.3 to 2.8)</b>	<b>1.8 (1.3 to 2.6)</b>	1.4 (1.0 to 2.1)
CT and/or GO positivity at same consultation					
No	-	1	-	-	1
Yes	-	1.7 (0.8 to 3.0)	-	-	1.4 (0.9 to 2.3)
Self-reported GO/CT/SYPH in past year					
No	-	1	1	1	-
Yes	-	0.4 (0.1 to 1.1)	<b>2.0 (1.2 to 3.2)</b>	1.5 (0.9 to 2.4)	-
Education level‡					
High	1	1	1	1	1
Low/middle	<b>2.8 (2.0 to 4.0)</b>	<b>2.0 (1.1 to 3.7)</b>	<b>3.3 (2.2 to 4.9)</b>	<b>2.4 (1.7 to 3.5)</b>	<b>2.8 (1.9 to 4.2)</b>
Unknown/other	<b>4.2 (2.7 to 6.4)</b>	<b>5.2 (2.7 to 10.2)</b>	<b>3.3 (1.9 to 5.7)</b>	<b>3.9 (2.5 to 6.1)</b>	<b>4.9 (2.9 to 8.0)</b>
Number of sex partners in past six months					
0-1	1	1	1	1	1
2-3	<b>0.7 (0.5 to 0.9)</b>	<b>0.5 (0.3 to 0.8)</b>	0.9 (0.6 to 1.3)	<b>0.6 (0.4 to 0.9)</b>	0.7 (0.5 to 1.0)
4+	<b>0.4 (0.3 to 0.6)</b>	<b>0.3 (0.1 to 0.6)</b>	<b>0.5 (0.3 to 0.8)</b>	<b>0.4 (0.3 to 0.6)</b>	<b>0.4 (0.3 to 0.6)</b>
Condom use‡					

No	1	-	1	-	-
Yes	<b>0.6 (0.4 to 0.9)</b>	-	0.6 (0.4 to 1.0)	-	-
Originating from STI/HIV-endemic area§					
No	-	1	1	-	-
Yes	-	<b>3.1 (1.8 to 5.4)</b>	<b>0.5 (0.3 to 0.7)</b>	-	-
Received partner notification					
No	1	1	1	1	1
Yes	<b>0.5 (0.3 to 0.8)</b>	0.7 (0.3 to 1.3)	<b>0.4 (0.2 to 0.7)</b>	<b>0.4 (0.2 to 0.6)</b>	0.6 (0.3 to 1.0)
Yes, notified for HIV/syphilis	<b>18.3 (13.2 to 25.2)</b>	<b>23.4 (13.7 to 39.3)</b>	<b>17.4 (11.6 to 25.8)</b>	<b>15.4 (10.9 to 21.8)</b>	<b>20.4 (13.7 to 30.1)</b>
Reported STI symptoms					
No	1	-	1	1	1
Yes, overall STI symptoms	1.3 (1.0 to 1.8)	-	<b>1.9 (1.3 to 2.9)</b>	1.2 (0.9 to 1.7)	1.3 (0.9 to 2.0)
Yes, HIV/syphilis symptoms	<b>34.9 (24.1 to 50.2)</b>	-	<b>64.4 (41.9 to 99.6)</b>	<b>30.7 (21.0 to 44.7)</b>	<b>36.6 (23.1 to 57.4)</b>
Partner in risk group¶					
No	-	-	-	-	-
Yes	-	-	-	-	-
Client of commercial sex worker					
No	-	-	-	-	-
Yes, in past 6 months	-	-	-	-	-
Unknown	-	-	-	-	-
Anal sex in past 6 months					
No	NA	NA	NA	1	NA
Yes, either insertive and/or receptive	NA	NA	NA	<b>1.6 (1.1 to 2.2)</b>	NA
Unknown	NA	NA	NA	1.1 (0.6 to 1.9)	NA

Bold ≤0.05.

\*Consultations with missing values <5% on at least one of the determinants were excluded from the analyses.

†Low/middle level of education: no education, elementary school, lbo, mavo, vmbo, mbo-1, havo, vwo, gymnasium. High level education: all other education levels.

‡Before 2018, condom use was asked regarding last sexual contact. In 2018 this changed to the past 6 months and during vaginal and/or anal sex.

§STI/HIV-endemic areas include Asia, Africa, the Dutch Caribbean islands, Middle and South America.

¶For heterosexual men: partner originating from a high STI/HIV endemic region. For women: partner originating from a high STI/HIV endemic region or a male partner who had sex with men.  
CT, chlamydia; GO, gonorrhoea; STI, sexually transmitted infections; SYPH, syphilis.

