

Appendix 4. Calculating Hazard Ratio's (HR) to compare between non-swinging risk groups and swingers the risk of incident STI diagnosis (*Chlamydia trachomatis* – CT) and/or *Neisseria gonorrhoea* - NG) at repeat testing at the STI clinic, by STI type and age (South Limburg-and Amsterdam-2010-2013)

	STI		CT		NG	
	South Limburg HR (95% CI)	Amsterdam HR (95% CI)	South Limburg HR (95% CI)	Amsterdam HR (95% CI)	South Limburg HR (95% CI)	Amsterdam HR (95% CI)
Swinger	1	1	1	1	1	1
MSM	1.59 (1.19-2.12)**	1.80 (1.36-2.37)***	1.34 (0.93-1.92)	1.19 (0.88-1.62)	2.56 (1.62-4.04)***	4.13 (2.33-7.31)***
Man (hetero)	1.19 (0.90-1.57)	1.20 (0.91-1.59)	1.68 (1.21-2.32)**	1.28 (0.94-1.73)	0.27 (0.14-0.54)***	0.81 (0.45-1.46)
Man (hetero) (age ≥ 45)	0.88 (0.35-2.17)	0.44 (0.27-0.72)**	1.03 (0.37-2.87)	0.42 (0.24-0.72)**	1.05 (0.25-4.45)	0.36 (0.12-1.10)
Woman	1.14 (0.88-1.49)	0.98 (0.74-1.20)	1.66 (1.22-2.25)**	1.06 (0.78-1.43)	0.27 (0.15-0.48)***	0.58 (0.32-1.03)
Woman (age ≥ 45)	0.19 (0.03-1.34)	0.42 (0.23-0.76)**	0.28 (0.04-2.01)	0.41 (0.21-0.80)**	No cases	0.57 (0.18-1.77)

*p<0.05; ** p<0.01, ***p<0.001