

Online Supplement. An update on the performance of STI services for gay and bisexual men across European cities—results from the 2017 European MSM Internet Survey

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Table S1: City profiles and individual-level multivariable logistic regression (105 cities across 39 countries)

City (By Country)	Respondents N	Age		Diagnosed HIV %	Current PrEP use [†] %	>10 Sexual partners %	Screened for STIs %	Disclosure of same-sex sexual contacts		Blood Test	Genital Test		Inspection		Anal Swab		
		<25 %	>40 %					%	%	AOR (95% CI)	%	AOR (95% CI)	%	AOR (95% CI)	%	AOR (95% CI)	
Austria																	
Vienna	1,120	15.1	35.0	10.1	3.4	31.7	38.5	79.6	94.2	0.46 (0.39–0.54)	58.9	0.23 (0.19–0.27)	16.4	0.76 (0.60–0.97)	30.4	0.15 (0.12–0.18)	
Belarus																	
Minsk	244	32.4	10.7	6.2	0.4	20.9	37.2	18.7	91.0	0.58 (0.44–0.78)	68.5	0.38 (0.29–0.51)	11.2	0.57 (0.32–0.99)	19.1	0.09 (0.06–0.14)	
Belgium																	
Antwerp	206	3.9	55.3	26.0	10.8	44.2	59.7	91.2	99.2	1.24 (0.87–1.77)	70.8	0.45 (0.33–0.63)	11.7	0.53 (0.32–0.88)	29.2	0.13 (0.09–0.19)	
Brussels	724	7.6	46.3	14.5	7.6	47.8	55.1	76.8	96.7	0.79 (0.66–0.96)	68.5	0.36 (0.30–0.44)	8.7	0.36 (0.26–0.50)	36.7	0.19 (0.15–0.23)	
Bulgaria																	
Sofia	629	21.9	15.4	7.8	1	24.8	31.5	25.3	90.1	0.38 (0.31–0.46)	38.0	0.14 (0.11–0.17)	7.8	0.37 (0.24–0.55)	6.8	0.03 (0.02–0.05)	
Canada																	
Calgary	288	15.3	38.9	9.5	5.3	32.3	60.0	87.0	97.1	1.34 (1.01–1.77)	95.3	1.24 (0.94–1.63)	40.9	3.21 (2.40–4.29)	62.6	0.72 (0.55–0.95)	
Edmonton	251	19.9	31.5	5.2	5.2	23.9	55.6	77.0	98.6	1.34 (1.00–1.79)	94.9	1.14 (0.86–1.52)	26.1	2.15 (1.53–3.02)	42.8	0.41 (0.30–0.56)	
Montreal	485	16.3	36.5	10.8	18.2	36.5	62.3	91.8	95.6	1.05 (0.83–1.32)	95.3	1.02 (0.82–1.29)	41.6	2.79 (2.20–3.53)	68.6	0.64 (0.51–0.79)	
Ottawa-Gatineau	258	14.7	44.2	8.6	11.3	34.9	50.8	92.9	93.8	0.78 (0.59–1.04)	86.8	0.65 (0.49–0.86)	25.6	1.40 (0.97–2.01)	44.2	0.27 (0.20–0.37)	
Toronto	849	11.7	47.8	13.0	13.3	39.0	55.4	90.2	96.3	0.90 (0.75–1.08)	90.6	0.77 (0.65–0.92)	22.2	1.14 (0.91–1.43)	39.9	0.22 (0.18–0.26)	
Vancouver	876	10.5	42.9	14.0	9.1	34.1	63.8	88.9	96.7	1.41 (1.18–1.69)	94.1	1.27 (1.06–1.52)	19.2	1.13 (0.90–1.42)	57.6	0.59 (0.50–0.71)	
Winnipeg	133	5.2	49.6	9.8	5.3	25.8	43.8	94.2	100	0.75 (0.51–1.10)	94.7	0.66 (0.45–0.96)	43.9	2.25 (1.43–3.52)	61.4	0.43 (0.29–0.66)	
Croatia																	
Zagreb	432	34.0	17.8	6.5	0.0	14.8	36.8	59.7	83.3	0.50 (0.39–0.62)	42.3	0.19 (0.15–0.25)	7.1	0.43 (0.26–0.71)	19.9	0.13 (0.10–0.19)	
Cyprus																	
Nicosia	107	13.1	34.6	17.8	0.9	35.5	42.2	46.3	93.0	0.51 (0.33–0.79)	27.9	0.10 (0.06–0.17)	14.0	0.42 (0.18–0.98)	14.0	0.07 (0.03–0.14)	
Czech Republic																	
Prague	807	18.1	21.9	10.9	0.5	25.4	39.2	83.0	98.4	0.53 (0.44–0.63)	59.9	0.24 (0.20–0.29)	12.2	0.58 (0.43–0.79)	28.0	0.16 (0.13–0.20)	
Denmark																	
Copenhagen	689	9.9	48.2	17.1	3.8	38.2	42.9	88.5	96.2	0.60 (0.50–0.72)	69.4	0.37 (0.31–0.45)	24.3	1.41 (1.11–1.78)	54.9	0.42 (0.35–0.51)	
Estonia																	
Tallinn	126	16.7	29.4	4.0	0.0	19.0	32.2	18.8	79.5	0.31 (0.21–0.47)	74.4	0.27 (0.18–0.41)	10.3	0.50 (0.22–1.14)	15.4	0.06 (0.03–0.14)	
France																	
Bordeaux	311	21.5	36.3	9.0	6.8	40.2	47.2	63.0	93.8	0.67 (0.51–0.87)	58.3	0.28 (0.21–0.36)	5.6	0.31 (0.18–0.54)	31.9	0.14 (0.10–0.20)	
Lille	236	23.3	34.3	13.7	9.4	47.9	50.4	72.5	94.8	0.73 (0.54–0.98)	72.4	0.38 (0.28–0.51)	20.7	1.12 (0.76–1.64)	37.9	0.21 (0.15–0.29)	
Lyon	516	22.3	36.2	10.9	9.0	51.7	52.8	73.9	95.9	0.85 (0.68–1.06)	71.5	0.44 (0.35–0.54)	13.5	0.80 (0.59–1.07)	39.0	0.24 (0.19–0.30)	
Marseille	221	19.0	47.5	15.9	8.6	46.2	52.6	71.2	96.5	0.76 (0.55–1.03)	73.5	0.40 (0.30–0.54)	17.7	0.95 (0.63–1.44)	56.6	0.41 (0.30–0.56)	
Montpellier	202	20.3	37.6	9.5	8.0	41.1	54.4	68.5	97.2	0.81 (0.58–1.12)	74.5	0.44 (0.32–0.61)	6.6	0.30 (0.15–0.59)	27.4	0.14 (0.09–0.21)	
Nantes	189	25.9	32.8	7.0	8.6	47.6	54.3	63.9	91.0	0.74 (0.53–1.04)	62.0	0.32 (0.23–0.45)	10.0	0.48 (0.27–0.86)	28.0	0.14 (0.09–0.21)	
Nice	193	8.8	53.9	17.8	15.2	45.6	55.0	68.1	95.2	0.61 (0.43–0.85)	55.8	0.20 (0.14–0.28)	17.3	0.80 (0.51–1.25)	32.7	0.14 (0.09–0.20)	
Paris	2,284	10.6	48.2	16.3	11.3	52.6	55.9	69.8	95.6	0.77 (0.67–0.87)	76.2	0.42 (0.37–0.48)	11.6	0.48 (0.40–0.58)	43.8	0.24 (0.21–0.27)	
Strasbourg	179	21.2	39.1	14.0	3.4	36.5	56.5	68.4	91.6	0.89 (0.63–1.26)	68.4	0.48 (0.34–0.67)	4.2	0.21 (0.08–0.51)	12.6	0.07 (0.04–0.12)	
Toulouse	285	17.9	41.4	11.1	8.2	41.8	54.8	60.8	93.5	0.81 (0.61–1.06)	66.7	0.37 (0.28–0.49)	9.2	0.53 (0.34–0.84)	30.7	0.17 (0.12–0.23)	
Finland																	
Helsinki	498	9.2	45.0	8.3	0.8	29.5	35.0	67.5	94.1	0.41 (0.33–0.51)	90.6	0.39 (0.31–0.48)	32.4	1.54 (1.17–2.03)	54.1	0.32 (0.25–0.4)	

The denominator for proportions of MSM with disclosure of same sex sexual contacts, and for the proportions of MSM receiving any of the four diagnostic procedures is the number of MSM screened for STIs in the previous 12 months in the respective city. The adjusted Odds Ratio (AOR) refers to all MSM in the respective city. *The Ruhr Region is a polycentric urban area in North Rhine-Westphalia and the largest urban area in Germany, including the cities of Dortmund, Essen, Duisburg, and Bochum; the Swiss cities Geneva and Lausanne were combined to allow the inclusion of another large Swiss metropolitan area in addition to Zurich; Sevilla & Málaga, two cities that do not form a continuous metropolitan area, were combined because the regional breakdown for Spain was not detailed enough to analyse them separately. †PrEP use includes daily and on-demand use.

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Table S1 (continued): City profiles and individual-level multivariable logistic regression (105 cities across 39 countries)

City (By Country)	Respondents N	Age		Diagnosed HIV %	Current PrEP use [†] %	>10 Sexual partners %	Screened for STIs %	Disclosure of same-sex sexual contacts		Blood Test AOR (95% CI)	Genital Test AOR (95% CI)		Inspection AOR (95% CI)		Anal Swab AOR (95% CI)	
		<25 %	>40 %					%	%		%	%	%	%		
Germany																
Berlin	3,190	8.3	45.8	19.7	4.7	40.4	45.5	90.0	95.1	0.57 (0.51–0.65)	68.4	0.31 (0.28–0.35)	22.6	1.07 (0.92–1.25)	47.0	0.27 (0.24–0.31)
Bremen	154	13.6	46.1	10.0	3.3	26.1	32.9	83.3	95.7	0.31 (0.21–0.45)	48.9	0.12 (0.08–0.19)	17.0	0.52 (0.26–1.05)	42.6	0.16 (0.10–0.26)
Cologne	848	10.4	47.8	17.6	3.4	35.7	43.7	87.2	93.6	0.53 (0.45–0.64)	55.7	0.23 (0.19–0.27)	12.9	0.53 (0.40–0.71)	24.9	0.12 (0.10–0.16)
Dresden	234	17.5	31.2	6.9	2.2	25.6	30.9	85.1	97.2	0.40 (0.30–0.54)	69.0	0.23 (0.17–0.32)	16.9	0.61 (0.36–1.04)	53.5	0.26 (0.19–0.37)
Düsseldorf	278	12.2	48.2	11.6	1.1	33.1	36.8	89.7	93.9	0.38 (0.29–0.50)	52.5	0.15 (0.11–0.20)	15.2	0.60 (0.37–0.96)	31.3	0.15 (0.11–0.22)
Frankfurt	491	6.5	48.7	17.8	3.7	36.9	39.2	82.1	92.8	0.36 (0.29–0.45)	67.8	0.23 (0.18–0.28)	13.9	0.47 (0.32–0.69)	16.1	0.06 (0.04–0.08)
Hanover	232	10.8	46.6	6.1	1.3	20.7	29.9	86.4	90.9	0.36 (0.27–0.49)	53.0	0.17 (0.12–0.24)	16.7	0.78 (0.46–1.30)	30.3	0.16 (0.10–0.24)
Leipzig	308	17.2	30.8	10.8	0.7	21.1	30.8	86.0	95.7	0.38 (0.29–0.50)	77.2	0.28 (0.21–0.37)	15.2	0.81 (0.53–1.24)	51.1	0.27 (0.20–0.37)
Munich	1,005	9.1	44.2	13.0	2.5	33.3	41.9	84.5	92.6	0.45 (0.38–0.53)	59.6	0.23 (0.19–0.27)	18.1	0.76 (0.60–0.98)	42.2	0.22 (0.18–0.26)
Nuremberg	164	15.2	40.2	12.3	1.2	39.0	30.1	82.5	97.9	0.29 (0.20–0.42)	70.2	0.20 (0.13–0.29)	19.1	0.53 (0.28–1.00)	51.1	0.16 (0.10–0.25)
Ruhr Region*	412	14.6	39.8	8.0	1.0	25.0	29.3	83.6	94.0	0.32 (0.25–0.41)	53.8	0.16 (0.13–0.21)	15.4	0.64 (0.43–0.96)	25.6	0.11 (0.08–0.16)
Stuttgart	287	9.4	44.9	13.4	0.4	33.8	36.6	87.7	95.0	0.43 (0.33–0.57)	72.0	0.26 (0.19–0.34)	19.0	0.80 (0.52–1.22)	39.0	0.20 (0.14–0.28)
Greece																
Athens	1,413	14.9	31.1	14.2	0.8	32.3	36.4	57.0	93.0	0.42 (0.36–0.49)	38.3	0.11 (0.10–0.13)	14.8	0.69 (0.55–0.86)	8.6	0.04 (0.03–0.05)
Thessaloniki	422	23.2	22.5	10.7	0.2	28.2	32.0	51.9	88.5	0.34 (0.27–0.43)	40.5	0.11 (0.08–0.14)	15.3	0.70 (0.48–1.02)	7.6	0.04 (0.02–0.06)
Hungary																
Budapest	1,086	18.8	25.0	7.0	0.4	26.5	33.2	61.8	92.4	0.40 (0.34–0.47)	38.6	0.13 (0.11–0.16)	12.6	0.65 (0.50–0.85)	15.5	0.08 (0.06–0.10)
Ireland																
Dublin	910	16.9	27.8	8.4	5.0	31.2	52.9	93.2	96.6	0.92 (0.77–1.08)	95.8	0.89 (0.75–1.05)	30.7	1.99 (1.62–2.44)	81.7	1.03 (0.87–1.21)
Israel																
Tel Aviv	687	16.7	24.3	8.2	5.4	50.4	50.9	75.9	97.3	0.70 (0.58–0.85)	86.4	0.53 (0.44–0.64)	3.3	0.14 (0.08–0.24)	5.9	0.02 (0.01–0.03)
Italy																
Bologna	404	9.7	49.5	15.8	0.0	40.1	43.8	58.4	93.1	0.50 (0.40–0.64)	53.4	0.20 (0.15–0.25)	10.3	0.41 (0.26–0.64)	17.8	0.09 (0.07–0.13)
Florence	218	10.1	55.0	10.6	0.0	38.5	32.2	51.2	95.6	0.35 (0.26–0.48)	42.6	0.12 (0.09–0.18)	13.2	0.46 (0.25–0.83)	22.1	0.08 (0.05–0.13)
Genoa	172	14.0	46.5	7.1	0.0	37.4	30.3	29.2	94.0	0.33 (0.23–0.47)	40.0	0.10 (0.07–0.16)	4.0	0.25 (0.10–0.61)	4.0	0.03 (0.01–0.07)
Milan	1,117	10.9	43.3	12.3	1.1	38.5	41.5	71.3	94.7	0.49 (0.42–0.57)	36.5	0.12 (0.10–0.14)	7.1	0.31 (0.23–0.43)	12.9	0.05 (0.04–0.07)
Naples	205	19.5	37.6	5.4	0.5	34.8	24.6	47.6	89.4	0.23 (0.16–0.32)	31.9	0.08 (0.05–0.12)	12.8	0.29 (0.14–0.63)	17.0	0.05 (0.02–0.09)
Palermo	114	17.5	42.1	5.4	0.0	23.7	30.9	42.1	100.	0.36 (0.24–0.56)	29.4	0.08 (0.04–0.14)	2.9	0.08 (0.01–0.59)	2.9	0.01 (0.00–0.07)
Rome	1,020	9.3	47.5	12.8	0.4	37.6	35.3	66.4	93.7	0.36 (0.31–0.43)	43.0	0.12 (0.10–0.15)	9.7	0.34 (0.25–0.47)	26.5	0.10 (0.08–0.13)
Turin	340	14.4	45.0	11.9	0.3	34.4	36.8	80.9	93.4	0.38 (0.29–0.49)	71.9	0.26 (0.20–0.33)	29.8	1.17 (0.83–1.66)	51.2	0.28 (0.21–0.37)
Latvia																
Riga	163	13.5	27.0	13.0	0.0	21.5	44.1	34.9	88.7	0.58 (0.41–0.82)	53.5	0.25 (0.18–0.37)	8.5	0.43 (0.21–0.90)	8.5	0.04 (0.02–0.09)
Lebanon																
Beirut	111	20.7	9.9	12.7	1.8	35.1	40.0	60.0	90.5	0.33 (0.22–0.51)	45.2	0.11 (0.07–0.19)	19.0	0.63 (0.31–1.27)	9.5	0.04 (0.02–0.09)
Lithuania																
Vilnius	190	26.8	20.5	9.0	0.0	16.4	21.2	23.8	89.5	0.16 (0.11–0.24)	50.0	0.09 (0.05–0.14)	18.4	0.37 (0.17–0.79)	10.5	0.02 (0.01–0.06)
Malta																
Valetta	122	8.2	32.8	11.6	6.6	34.4	48.7	95.5	94.8	0.57 (0.38–0.86)	89.7	0.53 (0.35–0.79)	31.0	1.61 (0.98–2.64)	72.4	0.56 (0.37–0.85)
Moldova																
Chisinau	373	44.0	9.9	7.5	0.0	38.2	46.2	76.7	97.6	0.54 (0.43–0.69)	10.9	0.03 (0.02–0.05)	2.4	0.09 (0.03–0.25)	2.4	0.01 (0.00–0.02)

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		<25 %	>40 %					%	%	AOR (95% CI)	%	AOR (95% CI)	%	AOR (95% CI)	%	AOR (95% CI)
Netherlands																
Amsterdam	786	5.2	63.4	19.9	7.8	45.4	58.0	91.8	97.8	1.01 (0.84–1.22)	92.8	0.87 (0.72–1.04)	21.3	1.14 (0.91–1.44)	86.3	1.24 (1.04–1.49)
Den Haag	124	8.9	55.6	18.5	2.4	48.4	54.8	88.9	95.6	0.80 (0.54–1.19)	97.1	0.81 (0.54–1.20)	8.8	0.36 (0.16–0.78)	86.8	1.06 (0.72–1.57)
Rotterdam	216	5.1	56.0	22.3	4.2	44.4	57.3	92.4	99.2	1.40 (1.00–1.97)	95.1	1.19 (0.86–1.65)	11.5	0.83 (0.54–1.27)	84.4	1.41 (1.03–1.93)
Norway																
Oslo	1,044	16.2	36.7	7.0	8.2	25.5	50.6	93.1	93.2	0.87 (0.74–1.02)	89.1	0.76 (0.64–0.89)	8.1	0.51 (0.39–0.67)	73.1	0.84 (0.71–0.99)
Philippines																
Manila	1,430	30.4	12.2	9.7	1.6	16.3	17.2	73.4	90.3	0.14 (0.11–0.16)	52.3	0.07 (0.06–0.09)	19.8	0.36 (0.27–0.49)	15.6	0.03 (0.02–0.04)
Poland																
Gdańsk	201	30.3	16.9	6.0	0.0	17.9	30.1	42.6	86.2	0.29 (0.21–0.40)	24.1	0.07 (0.04–0.11)	0.0	0.05 (0.01–0.34)	1.7	0.01 (0.00–0.04)
Kraków	341	28.7	10.3	8.8	0.6	26.4	29.1	29.3	95.8	0.34 (0.26–0.44)	28.1	0.09 (0.06–0.12)	6.3	0.27 (0.15–0.51)	5.2	0.02 (0.01–0.04)
Łódź	132	36.4	13.6	3.8	0.8	18.2	22.9	33.3	96.7	0.29 (0.20–0.44)	20.0	0.06 (0.03–0.11)	6.7	0.14 (0.04–0.58)	16.7	0.04 (0.01–0.09)
Poznań	225	28.0	13.8	6.7	0.4	22.9	27.6	30.0	91.7	0.32 (0.23–0.44)	26.7	0.07 (0.04–0.11)	1.7	0.20 (0.08–0.50)	6.7	0.02 (0.01–0.05)
Warsaw	939	19.2	17.1	12.8	1.0	29.8	37.3	58.7	96.2	0.45 (0.38–0.53)	37.8	0.11 (0.09–0.13)	3.8	0.18 (0.11–0.28)	7.9	0.03 (0.02–0.04)
Wrocław	282	14.9	11.3	7.8	1.8	20.6	35.8	54.0	95.9	0.47 (0.36–0.62)	24.5	0.09 (0.06–0.13)	5.1	0.21 (0.10–0.45)	6.1	0.03 (0.01–0.05)
Portugal																
Lisbon	873	14.9	33.6	17.6	2.5	40.5	46.5	73.7	90.1	0.54 (0.46–0.65)	56.1	0.25 (0.21–0.30)	9.2	0.45 (0.34–0.61)	21.7	0.11 (0.09–0.14)
Porto	279	21.1	26.9	14.4	1.4	32.6	41.5	63.8	90.9	0.40 (0.30–0.53)	58.2	0.19 (0.14–0.26)	5.5	0.22 (0.11–0.45)	14.5	0.04 (0.03–0.08)
Romania																
Bucharest	628	28.8	18.9	8.8	0.3	25.7	42.3	29.1	89.8	0.48 (0.39–0.58)	42.6	0.16 (0.13–0.20)	4.3	0.22 (0.13–0.37)	5.9	0.03 (0.02–0.04)
Russia																
Krasnodar	122	34.4	12.3	9.0	0.0	29.5	40.8	14.3	77.6	0.40 (0.27–0.60)	73.5	0.32 (0.22–0.49)	18.4	0.80 (0.42–1.53)	20.4	0.08 (0.04–0.15)
Moscow	2,031	20.3	15.6	18.2	1.0	29.4	44.5	20.8	88.1	0.61 (0.54–0.70)	61.3	0.32 (0.28–0.36)	16.2	0.78 (0.65–0.95)	18.0	0.08 (0.06–0.09)
Novosibirsk	109	32.1	13.8	10.2	0.9	19.3	34.3	16.7	97.3	0.39 (0.26–0.60)	83.8	0.35 (0.23–0.54)	21.6	0.77 (0.38–1.56)	21.6	0.07 (0.03–0.14)
Samara	123	26.0	15.4	14.6	1.6	20.3	34.2	7.4	85.4	0.38 (0.26–0.58)	63.4	0.24 (0.16–0.37)	17.1	0.71 (0.36–1.38)	9.8	0.03 (0.01–0.08)
St. Petersburg	964	25.8	14.3	15.0	0.2	24.8	40.4	24.5	85.1	0.56 (0.47–0.66)	67.3	0.37 (0.32–0.44)	19.9	1.08 (0.86–1.37)	19.9	0.09 (0.07–0.11)
Yekaterinburg	173	13.9	15.6	13.0	0.0	18.5	40.2	18.0	88.2	0.54 (0.38–0.76)	69.1	0.39 (0.27–0.55)	17.6	0.95 (0.56–1.61)	19.1	0.09 (0.05–0.16)
Serbia																
Belgrade	437	19.0	22.0	8.5	0.5	21.5	18.8	47.7	87.3	0.17 (0.13–0.22)	36.7	0.06 (0.05–0.09)	13.9	0.36 (0.22–0.59)	8.9	0.03 (0.02–0.05)
Slovakia																
Bratislava	410	17.1	13.9	4.6	0.7	15.9	26.2	47.2	94.1	0.26 (0.21–0.34)	44.1	0.12 (0.09–0.16)	14.7	0.43 (0.26–0.71)	16.7	0.06 (0.04–0.09)
Slovenia																
Ljubljana	269	18.2	26.4	7.5	1.9	19.7	47.5	80.3	95.2	0.75 (0.57–0.99)	33.3	0.14 (0.10–0.20)	7.1	0.48 (0.28–0.84)	48.4	0.40 (0.29–0.54)
Spain																
Barcelona	1,571	13.9	34.6	18.9	4.3	44.0	50.0	79.5	94.0	0.75 (0.65–0.87)	68.2	0.39 (0.34–0.45)	16.5	0.80 (0.66–0.97)	41.4	0.26 (0.22–0.3)
Madrid	2,304	18.5	28.1	14.0	1.2	38.6	45.2	67.3	96.2	0.70 (0.61–0.79)	54.6	0.25 (0.22–0.29)	11.3	0.62 (0.51–0.75)	21.2	0.11 (0.10–0.13)
Sevilla & Málaga*	400	25.5	27.8	14.1	0.0	31.3	39.9	65.6	96.8	0.63 (0.50–0.79)	56.5	0.28 (0.22–0.36)	12.3	0.65 (0.44–0.96)	23.4	0.14 (0.10–0.19)
Valencia	422	23.0	29.4	11.2	1.7	34.0	38.5	65.7	96.8	0.54 (0.43–0.68)	42.9	0.15 (0.12–0.20)	15.4	0.65 (0.44–0.96)	18.6	0.09 (0.06–0.13)
Zaragoza	134	20.7	34.3	5.2	1.5	30.6	26.7	50.0	97.1	0.36 (0.24–0.53)	54.3	0.20 (0.13–0.30)	2.9	0.20 (0.06–0.63)	5.7	0.03 (0.01–0.07)

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Table S1 (continued): City profiles and individual-level multivariable logistic regression (105 cities across 39 countries)

City (By Country)	Respondents N	Age		Diagnosed HIV %	Current PrEP use [†] %	>10 Sexual partners %	Screened for STIs %	Disclosure of same-sex sexual contacts		Blood Test		Genital Test		Inspection		Anal Swab	
		<25 %	>40 %					%	%	AOR (95% CI)	%	AOR (95% CI)	%	AOR (95% CI)	%	AOR (95% CI)	
Sweden																	
Gothenburg	362	9.1	50.0	2.8	1.1	21.3	33.2	79.7	86.3	0.38 (0.29–0.48)	85.5	0.37 (0.29–0.48)	16.2	0.67 (0.43–1.04)	55.6	0.33 (0.25–0.44)	
Stockholm	1,263	6.2	59.8	9.7	1.4	23.6	43.4	88.9	94.5	0.66 (0.56–0.76)	91.9	0.61 (0.52–0.71)	24.8	1.41 (1.15–1.73)	73.3	0.73 (0.63–0.85)	
Switzerland																	
Geneva-Lausanne*	304	14.8	43.8	11.2	4.3	36.8	51.8	87.4	95.5	0.81 (0.62–1.05)	75.5	0.49 (0.38–0.64)	9.7	0.49 (0.31–0.79)	46.5	0.32 (0.24–0.42)	
Zurich	565	5.3	49.9	14.7	7.3	42.1	48.5	89.8	93.3	0.66 (0.53–0.81)	77.5	0.42 (0.34–0.52)	16.1	0.69 (0.51–0.94)	47.9	0.32 (0.26–0.40)	
Turkey																	
Ankara	243	39.5	8.2	9.1	0.4	32.4	30.6	19.8	95.8	0.29 (0.21–0.39)	39.4	0.09 (0.06–0.13)	4.2	0.13 (0.05–0.36)	5.6	0.02 (0.01–0.04)	
Istanbul	858	28.2	16.1	12.8	1.2	38.4	31.3	35.6	94.6	0.25 (0.21–0.30)	49.6	0.10 (0.08–0.12)	9.7	0.28 (0.19–0.40)	10.5	0.03 (0.02–0.04)	
Izmir	162	38.3	12.3	8.7	1.2	31.1	27.1	28.0	88.1	0.20 (0.13–0.29)	38.1	0.07 (0.05–0.12)	9.5	0.20 (0.07–0.55)	4.8	0.01 (0.00–0.04)	
United Kingdom																	
Birmingham	256	20.7	37.1	10.2	3.9	27.0	49.6	89.7	93.6	0.75 (0.57–0.99)	96.0	0.76 (0.58–1.01)	20.0	1.28 (0.87–1.88)	77.6	0.81 (0.61–1.07)	
Brighton	179	14.5	55.9	19.8	13.0	35.8	53.4	98.2	89.4	0.75 (0.53–1.06)	97.9	0.97 (0.68–1.38)	17.0	0.87 (0.54–1.40)	83.0	1.09 (0.77–1.54)	
Bristol	172	20.3	32.6	7.6	7.6	26.2	55.6	89.0	91.6	0.87 (0.62–1.22)	94.7	0.94 (0.67–1.33)	16.8	1.00 (0.61–1.64)	76.8	0.93 (0.66–1.31)	
Cardiff	111	21.6	35.1	8.1	12.6	36.9	48.6	93.8	92.5	0.58 (0.37–0.88)	96.2	0.68 (0.44–1.04)	18.9	0.78 (0.42–1.47)	84.9	0.80 (0.52–1.23)	
Edinburgh	213	21.1	33.3	9.4	9.9	36.2	49.8	95.8	99.0	0.74 (0.54–1.01)	95.1	0.63 (0.46–0.86)	11.8	0.55 (0.32–0.94)	91.2	0.98 (0.71–1.34)	
Glasgow	230	17.4	28.3	4.8	10.9	28.7	49.8	93.8	98.2	0.76 (0.56–1.03)	95.5	0.71 (0.53–0.96)	11.6	0.56 (0.33–0.95)	75.0	0.68 (0.50–0.92)	
Leeds	182	18.1	35.2	8.3	5.0	22.0	46.1	88.1	93.9	0.80 (0.58–1.11)	92.7	0.78 (0.56–1.09)	28.0	2.10 (1.41–3.14)	74.4	0.87 (0.62–1.21)	
Liverpool	119	26.1	31.9	6.7	5.0	24.4	45.7	90.2	92.5	0.62 (0.42–0.93)	98.1	0.68 (0.46–1.02)	43.4	2.73 (1.73–4.33)	75.5	0.78 (0.52–1.18)	
London	2,627	10.0	46.1	14.7	13.1	40.4	59.1	93.9	96.1	1.00 (Ref.)	96.0	1.00 (Ref.)	18.2	1.00 (Ref.)	79.5	1.00 (Ref.)	
Manchester	398	18.6	34.2	12.8	8.6	34.2	50.1	91.2	92.8	0.83 (0.65–1.05)	93.8	0.84 (0.66–1.07)	20.5	1.47 (1.10–1.97)	72.3	0.81 (0.64–1.02)	
Ukraine																	
Kiev	471	31.8	14.9	15.3	0.4	24.9	47.4	45.2	82.6	0.54 (0.43–0.67)	36.2	0.16 (0.12–0.20)	12.8	0.65 (0.45–0.94)	10.1	0.05 (0.03–0.07)	
Control Variables								Blood Test		Genital Test		Inspection		Anal Swab			
								AOR (95% CI)		AOR (95% CI)		AOR (95% CI)		AOR (95% CI)			
Age group																	
<25								0.72 (0.69–0.76)		0.78 (0.74–0.83)		0.86 (0.78–0.95)		0.93 (0.86–1.00)			
25–39								1.00 (Ref.)		1.00 (Ref.)		1.00 (Ref.)		1.00 (Ref.)			
40+								0.66 (0.63–0.69)		0.68 (0.65–0.71)		0.88 (0.83–0.95)		0.62 (0.59–0.65)			
Proxy for clinical follow-up																	
None								1.00 (Ref.)		1.00 (Ref.)		1.00 (Ref.)		1.00 (Ref.)			
HIV diagnosis								3.98 (3.73–4.24)		3.45 (3.26–3.66)		2.61 (2.42–2.81)		3.11 (2.91–3.31)			
Current PrEP use [†]								7.75 (6.60–9.11)		8.15 (7.09–9.37)		3.19 (2.86–3.55)		8.71 (7.78–9.76)			
Number of sexual partners																	
None								1.00 (Ref.)		1.00 (Ref.)		1.00 (Ref.)		1.00 (Ref.)			
1								1.15 (1.06–1.25)		1.00 (0.90–1.10)		0.94 (0.79–1.11)		0.94 (0.82–1.07)			
2–5								2.05 (1.90–2.21)		1.88 (1.73–2.05)		1.33 (1.15–1.53)		1.85 (1.65–2.08)			
6–10								3.17 (2.93–3.44)		2.78 (2.54–3.04)		1.58 (1.36–1.83)		2.90 (2.58–3.25)			
>10								5.24 (4.86–5.65)		4.40 (4.05–4.79)		2.56 (2.23–2.93)		4.55 (4.08–5.08)			
Discrepant answers								(p=0.489)		1.09 (1.02–1.16)		1.23 (1.12–1.35)		(p=0.171)			

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