

Supplemental Table 1: Methods of HIV Detection, Confirmation and Phase of Infection Across Periods

[illegible]

	2009-2011				2012-2014				2015-2017			
	Total	HIV positive	HIV negative	p-value	Total	HIV positive	HIV negative	p-value	Total	HIV positive	HIV negative	p-value
<i>None</i>	1172 (22.03%)	45 (14.52%)	1127 (22.49%)	<0.001	1888 (21.79%)	54 (13.4%)	1834 (22.48%)	<0.001	1932 (17.82%)	60 (13.19%)	1872 (18.02%)	<0.001
<i>1 partner</i>	551 (10.36%)	9 (2.9%)	542 (10.82%)		652 (7.53%)	21 (5.21%)	631 (7.73%)		944 (8.71%)	21 (4.62%)	923 (8.89%)	
<i>[2-9]</i>	2339 (43.96%)	137 (44.19%)	2202 (43.94%)		3622 (41.81%)	152 (37.72%)	3470 (42.52%)		4748 (43.79%)	156 (34.29%)	4592 (44.21%)	
<i>[10-19]</i>	639 (12.01%)	44 (14.19%)	595 (11.87%)		1209 (13.95%)	72 (17.87%)	1137 (13.93%)		1658 (15.29%)	84 (18.46%)	1574 (15.15%)	
<i>>=20</i>	575 (10.81%)	69 (22.26%)	505 (10.08%)		1082 (12.49%)	102 (25.31%)	980 (12.01%)		1341 (12.37%)	119 (26.15%)	1222 (11.76%)	
<i>No answer</i>	46 (0.86%)	6 (1.94%)	40 (0.80%)		110 (1.27%)	2 (0.5%)	108 (1.32%)		219 (2.02%)	15 (3.3%)	204 (1.96%)	
Time (in months) between visits according to number of partners (median, Q1-Q3)												
<i>Total</i>	9.28 (4.89-12.72)	7.93 (4.10-13.87)	9.34 (4.95-12.69)	0.363	8.26 (4.43-12.82)	6.57 (3.61-12.30)	8.30 (4.46-12.85)	0.002	6.49 (3.64-12.00)	5.93 (3.28-11.70)	6.52 (3.64-12.00)	0.009
<i>None</i>	10.44 (4.77-12.89)	7.64 (2.98-16.98)	10.64 (4.85-12.85)	0.382	10.21 (5.10-13.77)	5.93 (2.98-11.18)	10.23 (5.15-13.77)	0.015	8.26 (5.02-14.46)	10.11 (6.56-21.57)	8.26 (4.95-14.39)	0.122
<i>1 partner</i>	9.21 (4.59-12.62)	7.03 (1.02-12.34)	9.21 (4.59-12.62)	0.336	7.97 (3.77-13.08)	8.49 (3.15-12.46)	7.97 (3.77-13.08)	0.665	8.72 (4.26-14.85)	8.89 (3.90-16.49)	8.72 (4.30-14.82)	0.855
<i>[2-9]</i>	9.57 (5.11-12.89)	10.36 (4.82-18.07)	9.54 (5.15-12.85)	0.224	8.51 (4.62-12.82)	7.11 (3.67-12.30)	8.52 (4.69-12.85)	0.051	6.85 (3.89-12.23)	6.56 (4.20-12.33)	6.85 (3.87-12.23)	0.987
<i>[10-19]</i>	8.41 (4.85-12.30)	9.87 (5.70-13.05)	8.33 (4.85-12.30)	0.229	7.54 (4.23-12.33)	9.57 (3.61-13.61)	7.54 (4.30-12.30)	0.626	5.90 (3.34-10.66)	5.93 (3.54-11.08)	5.90 (3.31-10.66)	0.961
<i>>=20</i>	8.43 (4.92-12.30)	6.46 (3.57-12.30)	8.75 (5.28-12.30)	0.009	6.95 (3.90-12.30)	6.33 (3.61-12.30)	6.98 (3.90-12.30)	0.682	4.92 (2.98-12.30)	4.31 (2.46-12.30)	4.92 (3.02-12.30)	0.063

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	12.39)	12.56)	12.39)		12.07)	12.30)	12.03)		8.52)	8.66)	8.52)	
<i>No answer</i>	10.49 (5.79-13.25)	11.25 (3.67-12.62)	10.49 (5.90-13.61)	0.962	6.79 (3.87-11.87)	5.23 (2.18-7.70)	7.02 (3.87-11.90)	0.121	5.87 (3.25-10.95)	4.90 (2.56-6.89)	5.92 (3.28-11.31)	0.303
<i>Condom use regular partner</i>												
<i>Always</i>	819(15.61%)	41(13.67%)	778(15.73%)	0.106	1063(27.26%)	17(24.29%)	1046(27.31%)	0.809	1101(23.52%)	30(17.75%)	1071(23.74%)	0.170
<i>Not always^{o)}</i>	870(16.58%)	59(19.67%)	811(16.39%)		1512(38.77%)	31(44.29%)	1481(38.67%)		1286(27.47%)	49(28.99%)	1237(27.42%)	
<i>Never</i>	860(16.39%)	60(20%)	800(16.17%)		1276(32.72%)	21(30%)	1255(32.77%)		2255(48.17%)	90(53.25%)	2165(47.98%)	
<i>Don't Know/ No answer</i>	2698(51.42%)	140(46.67%)	2558(51.71%)		49(1.26%)	1(1.43%)	48(1.25%)		39(0.83%)	0(0%)	39(0.86%)	
<i>Condom use ocasional partner</i>												
<i>Always</i>	2585(48.98%)	131(42.81%)	2454(49.36%)	<0.001	3550(59.9%)	73(51.05%)	3477(60.11%)	0.041	4345(50.74%)	104(31.8%)	4241(51.49%)	<0.001
<i>Not alwaysa)</i>	1486(28.15%)	131(42.81%)	1355(27.25%)		2270(38.30%)	67(46.85%)	2203(38.09%)		3842(44.86%)	211(64.53%)	3631(44.08%)	
<i>Never</i>	58(1.1%)	3(0.98%)	55(1.11%)		99(1.67%)	2(1.40%)	97(1.68%)		342(3.99%)	8(2.45%)	334(4.05%)	
<i>Don't Know/ No answer</i>	1149(21.77%)	41(13.4%)	1108(22.28%)		8(0.13%)	1(0.70%)	7(0.12%)		35(0.41%)	4(1.22%)	31(0.38%)	
<i>Drug use with sex (n, %)</i>												
<i>Popper</i>	716(13.46%)	86(26.22%)	629 (12.60%)	<0.001	988(12.83%)	38(20.00%)	950 (12.65%)	<0.001	1345 (12.58%)	88(22.34%)	1257 (12.21%)	<0.001
<i>Cocaine</i>	789(14.83%)	93 (28.35%)	696 (13.90%)	<0.001	786(10.20%)	35 (18.40%)	751 (10.00%)	<0.001	1084 (10.10%)	87 (22.10%)	997 (9.70%)	<0.001
<i>Ecstasy</i>	214(4.00%)	23 (7.00%)	191 (3.80%)	0,004	220(2.90%)	9 (4.70%)	211 (2.80%)	0,112	785(7.30 %)	45 (11.40%)	740 (7.20%)	<0.00

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<i>Amphetamine</i>	114 (2.10%)	11 (3.40%)	103 (2.10%)	0,11	160(2.10%)	10 (5.30%)	150 (2.00%)	0,002	259 (2.40%)	21 (5.30%)	238 (2.30%)	<0.001
<i>GHB</i>	171 (3.20%)	29 (8.80%)	143 (2.90%)	<0.001	282(3.70%)	25 (13.20%)	257 (3.40%)	<0.001	600 (5.60%)	56 (14.20%)	544 (5.30%)	<0.001
<i>Methamphetamine</i>	178(3.30%)	14 (4.60%)	164 (3.30%)	0,206	380(4.90%)	16 (8.40%)	364 (4.80%)	0,023	292 (2.70%)	35 (8.90%)	257 (2.50%)	<0.001
<i>Mephedrone^{b)}</i>	---	---	---	---	---	---	---		150 (1.40%)	20 (5.10%)	130 (1.30%)	<0.001
<i>Prep users^{c)}</i>												
<i>No (n,%)</i>									5121 (92.75%)	131 (95.62%)	4990 (92.68%)	<0.001
<i>With monitorization (n,%)</i>	---	---	---		---	---	---		93 (1.68%)	4 (2.92%)	89 (1.65%)	
<i>Without monitorization (n,%)</i>	---	---	---		---	---	---		307 (5.56%)	2 (1.46%)	305 (5.66%)	

a) Question not always included in the categories

b) Questionnaire introduced in 2015

c) Questions introduced in 2017