

SUPPLEMENTARY FILE 1

S1. Multinomial logistic regression with adjusted odds ratios (95% CI) for location of last voluntary HIV test (n=855)

	Private Clinics and Hospitals			GP-Based Anonymous Test Site			NGO-Based Anonymous Test Site			Overseas or Others		
	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value
Age (ref=18 to 29 years old)												
30 to 39 years old	1.33	(0.82 - 2.14)	0.248	1.63	(0.93 - 2.87)	0.090	1.79	(1.10 - 2.92)	0.020	1.75	(0.95 - 3.22)	0.073
40 to 49 years old	1.85	(0.97 - 3.54)	0.061	1.71	(0.79 - 3.72)	0.175	1.82	(0.94 - 3.50)	0.076	2.11	(0.93 - 4.76)	0.073
50 years old and above	1.42	(0.68 - 2.94)	0.352	0.74	(0.26 - 2.09)	0.576	0.95	(0.43 - 2.10)	0.894	1.63	(0.64 - 4.14)	0.307
Education level (ref=Secondary and below)												
Pre-University	1.27	(0.62 - 2.58)	0.51	1.33	(0.57 - 3.14)	0.510	1.78	(0.77 - 4.10)	0.175	1.36	(0.44 - 4.25)	0.591
Bachelor's degree	1.93	(0.98 - 3.79)	0.058	1.47	(0.64 - 3.37)	0.362	2.73	(1.22 - 6.12)	0.015	3.33	(1.16 - 9.55)	0.025
Postgraduate degree	1.53	(0.70 - 3.37)	0.286	1.00	(0.38 - 2.67)	0.994	3.44	(1.41 - 8.36)	0.006	3.78	(1.22 - 11.74)	0.022
Non-Singaporean citizen or permanent resident												
	1.08	(0.70 - 1.68)	0.732	0.89	(0.52 - 1.51)	0.655	0.33	(0.20 - 0.55)	<0.001	0.94	(0.54 - 1.63)	0.815
Disclosure of sexual orientation												
Non-LGBTQ family	0.97	(0.59 - 1.60)	0.913	1.22	(0.68 - 2.17)	0.506	0.77	(0.46 - 1.28)	0.308	1.71	(0.93 - 3.15)	0.084
Non-LGBTQ friends	1.09	(0.66 - 1.80)	0.737	1.83	(1.00 - 3.35)	0.050	1.54	(0.93 - 2.57)	0.095	1.02	(0.53 - 1.95)	0.959
Non-LGBTQ colleagues	1.10	(0.62 - 1.93)	0.749	0.93	(0.49 - 1.77)	0.831	1.05	(0.60 - 1.85)	0.852	1.14	(0.57 - 2.30)	0.708
Other LGBTQ individuals	0.68	(0.44 - 1.06)	0.091	0.91	(0.53 - 1.57)	0.746	1.01	(0.64 - 1.61)	0.963	0.87	(0.49 - 1.54)	0.633

Notes

Reference outcome category: Government-run clinics and hospitals

Abbreviation: CI, Confidence Interval; aOR, Adjusted Odds Ratio; GP, General Practitioner; NGO, Non-Governmental Organisation

Those aged 30 to 39 years old, relative to those aged 18 to 29 years, were more likely to have had their last voluntary HIV test at an NGO-based anonymous test site (aOR=1.79, 95% CI [1.10-2.92]) rather than government-run clinics and hospitals. Relative to those with secondary education and below, having bachelor's (aOR=2.73, 95% CI [1.22-6.12]) or postgraduate degrees (aOR=3.44, 95% CI [1.41-8.36]) increased the likelihood, while being a non-resident (aOR=0.33, 95% CI [0.20-0.55] relative to Singapore citizens or permanent residents) decreased the likelihood of attending the NGO-based anonymous test site. Furthermore, relative to those with secondary education and below, those with bachelor's (aOR=3.33, 95% CI [1.16-9.55]) or postgraduate degrees (aOR=3.78, 95% CI [1.22-11.74]) were more likely to have had their last voluntary HIV test overseas or through self-testing kits.

S2. Binary and ordinal logistic regression with adjusted odds ratios (95%CI) for selectivity and extent of sexual orientation disclosure (n=1098)

	Binary logistic regression on factors associated with type of disclosure												Ordinal logistic regression on factors associated number of groups individual disclosed sexual orientation to		
	Sexual orientation disclosure to non-LGBTQ family			Sexual orientation disclosure to non-LGBTQ friends			Sexual orientation disclosure to non-LGBTQ colleagues			Sexual orientation disclosure to other LGBTQ individuals			aOR	95% CI	p-value
	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value
Age (ref=18 to 29 years old)															
30 to 39 years old	1.43	(1.05-1.95)	0.025	0.83	(0.62-1.10)	0.193	1.11	(0.81-1.52)	0.506	0.94	(0.69-1.26)	0.662	1.03	(0.80-1.32)	0.848
40 to 49 years old	1.10	(0.74-1.65)	0.640	0.53	(0.36-0.76)	0.001	1.04	(0.69-1.55)	0.856	0.84	(0.57-1.22)	0.354	0.75	(0.54-1.05)	0.093
50 years old and above	1.23	(0.75-2.02)	0.406	0.54	(0.34-0.84)	0.007	0.82	(0.49-1.38)	0.462	0.67	(0.42-1.05)	0.083	0.65	(0.43-0.98)	0.038
Education level (ref=Secondary and below)															
Pre-University	1.33	(0.81-2.18)	0.257	1.25	(0.81-1.91)	0.314	0.97	(0.60-1.56)	0.893	1.36	(0.89-2.08)	0.160	1.35	(0.92-1.98)	0.128
Bachelor's degree	1.39	(0.87-2.22)	0.173	1.20	(0.80-1.80)	0.377	1.04	(0.66-1.63)	0.869	1.74	(1.16-2.63)	0.008	1.48	(1.02-2.14)	0.037
Postgraduate degree	2.14	(1.27-3.59)	0.004	2.11	(1.31-3.39)	0.002	1.32	(0.79-2.19)	0.290	2.07	(1.28-3.34)	0.003	1.32	(1.52-3.54)	<0.001
Non-Singaporean citizen or permanent resident	1.38	(1.03-1.86)	0.030	0.81	(0.61-1.07)	0.140	1.09	(0.81-1.47)	0.581	0.70	(0.53-0.93)	0.013	0.90	(0.70-1.15)	0.410

Notes

Abbreviations: CI, Confidence Interval; aOR, Adjusted Odds Ratio; LGBTQ, Lesbian Gay Bisexual Transgender and Questioning