

Supplementary Material

Trends and associated factors in HIV testing among heterosexual men and women in Melbourne, Australia, 2011–2020

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Table S1. Selection of the study population

Reasons for excluding	Number of records excluded	Total number of records included
Number of records before excluding		90,768
Duplicate records	1,780	88,988
Current sex workers	4,824	84,164
Previous sex workers	1,090	83,074
No age data	5	83,069
Same-sex partner in the past 12 months	3,630	79,439
Known HIV	716	78,723
Last HIV test before 1985	9	78,714
HIV test after consultation	62	78,652
Total	12,116	78,652

Table S2. Trend in ever HIV testing among heterosexuals between 2011-2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	P _{trend}	Slope
Male	1374/3540 (39·0%)	1663/4095 (40·6%)	1783/4294 (41·5%)	1786/4406 (40·5%)	1767/4290 (41·2%)	1753/4257 (41·2%)	1650/3999 (41·3%)	1952/4810 (40·6%)	1938/5149 (37·6%)	1010/2939 (34·4%)	<0·001	-0·004
Female	1018/2457 (41·4%)	1257/2900 (43·3%)	1449/3485 (41·6%)	1526/3553 (42·9%)	1659/3793 (43·7%)	1756/4083 (43·0%)	1640/3843 (42·7%)	1874/4556 (41·1%)	2049/5204 (39·4%)	1154/2997 (38·5%)	<0·001	-0·004
Symptomatic	1318/3131 (42·1%)	1449/3308 (43·8%)	1569/3553 (44·1%)	1602/3674 (43·6%)	1543/3500 (44·1%)	1599/3603 (44·4%)	1561/3578 (43·6%)	1857/4297 (43·2%)	1747/4422 (39·5%)	1310/3300 (39·7%)	<0·001	-0·004
Asymptomatic	863/2276 (37·9%)	1179/2952 (39·9%)	1346/3329 (40·5%)	1373/3435 (40·3%)	1588/3812 (41·6%)	1620/3978 (40·8%)	1508/3621 (41·6%)	1708/4315 (39·6%)	1996/4936 (40·4%)	82/259 (31·7%)	<0·001	0·013
With an STI	196/536 (36·6%)	436/1131 (38·5%)	274/694 (39·5%)	294/779 (37·7%)	601/767 (39·2%)	332/813 (40·8%)	348/860 (40·5%)	408/1014 (40·2%)	387/1041 (37·2%)	197/595 (33·1%)	0·514	-0·001
Without an STI	1923/4827 (39·8%)	2356/5681 (41·5%)	2696/6378 (42·3%)	2753/6517 (42·2%)	2875/6657 (43·2%)	2942/6956 (42·3%)	2741/6499 (42·2%)	3168/7726 (41·0%)	3325/8636 (38·5%)	1753/490 (36·6%)	<0·001	-0·004

*STI: diagnosed with chlamydia, gonorrhoea or syphilis on the consultation day.

Slope is determined using regression of the number of heterosexuals ever tested for HIV/the number of heterosexuals in the subgroup based on year of consultation.

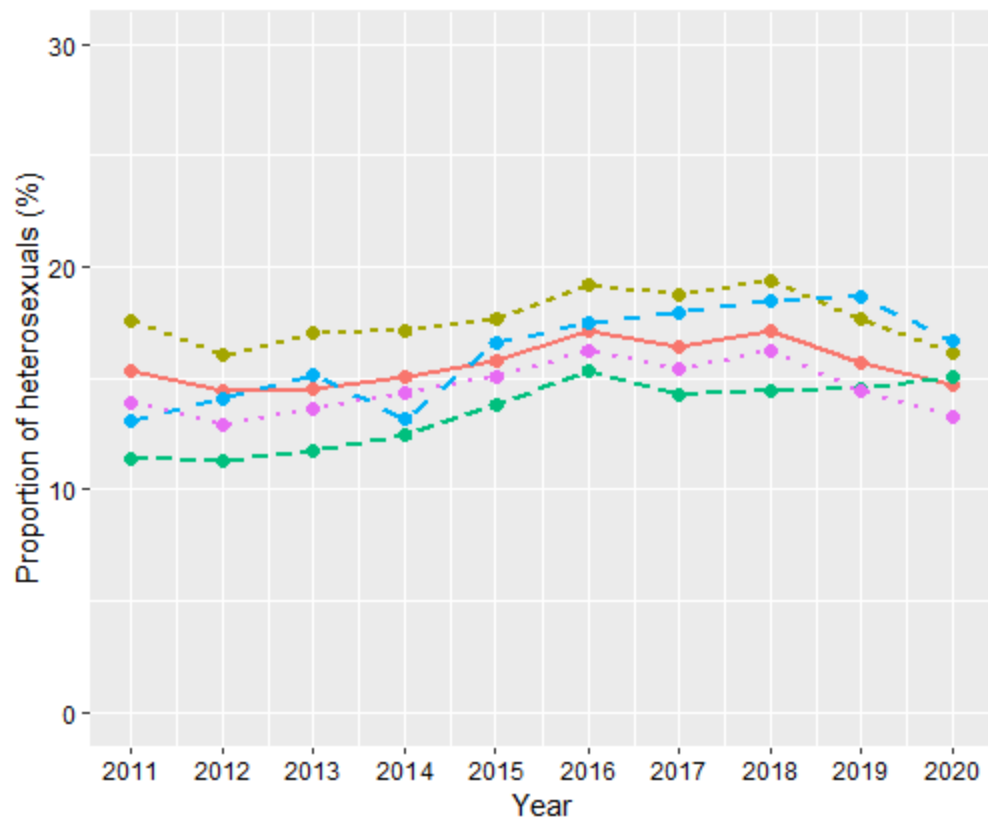
Table S3. Trend of HIV testing in the last 12 months among heterosexuals between 2011 to 2020

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	P _{trend}	Slope
Male	545/3540 (15.4%)	578/4095 (14.1%)	610/4294 (14.2%)	628/4406 (14.3%)	635/4290 (14.8%)	647/4257 (15.2%)	616/3999 (15.4%)	830/4810 (17.3%)	748/5148 (14.5%)	402/2939 (13.7%)	0.229	0.001
Female	374/2457 (15.2%)	431/2469 (14.9%)	521/3485 (14.9%)	573/3553 (16.1%)	643/3793 (17.0%)	781/4083 (19.1%)	669/3843 (17.4%)	773/4556 (17.0%)	879/5204 (16.9%)	471/2997 (15.7%)	0.004	0.002
Symptomatic	551/3131 (17.6%)	531/3308 (16.1%)	604/3553 (17.0%)	627/3674 (17.1%)	620/3500 (17.7%)	692/3603 (19.2%)	671/3578 (18.8%)	833/4297 (19.4%)	780/4422 (17.3%)	532/3300 (16.1%)	<0.001	0.003
Asymptomatic	259/2276 (11.4%)	333/2952 (11.3%)	390/3329 (11.7%)	433/3435 (12.5%)	527/3812 (13.8%)	609/3978 (15.3%)	518/3621 (14.3%)	621/4315 (14.4%)	717/4936 (14.5%)	39/259 (15.1%)	<0.001	0.005
With an STI	70/536 (13.1%)	84/595 (14.1%)	81/540 (15.1%)	76/609 (13.2%)	104/639 (16.6%)	114/673 (17.5%)	127/701 (17.9%)	156/840 (18.4%)	162/863 (18.6%)	81/475 (16.6%)	<0.001	0.006
Without an STI	672/4829 (13.9%)	734/5681 (12.9%)	869/5509 (13.6%)	938/5579 (14.4%)	1005/5652 (15.1%)	1131/5825 (16.3%)	1004/5495 (15.4%)	1251/6475 (16.2%)	1249/7389 (14.5%)	635/4155 (13.2%)	0.003	0.002

*STI: diagnosed with chlamydia, gonorrhoea or syphilis on the consultation day.

Slope is determined using regression of the number of heterosexuals ever tested for HIV/ the number of heterosexuals in the subgroup on year of consultation.

Figure S1. The trend of the proportion of heterosexuals who have tested for HIV in the last 12 months between 2011-2020



Group

- Overall ($P_{trend} < 0.489$)
- - -●- - - Symptomatic individuals ($P_{trend} < 0.001$)
- - -●- - - Asymptomatic individuals ($P_{trend} < 0.001$)
- - -●- - - Individuals with an STI ($P_{trend} < 0.001$)
- ...●... Individuals without an STI ($P_{trend} = 0.003$)