Table S1 Sample statistics for females and males

Table 31 Sample statistics for females and male	Female		Male	
Variable	N	Mean	N	Mean
Family Practitioner use				
0-3 months ^a	682,963	0.600	494,364	0.539
0-6 months ^a	883,547	0.776	653,322	0.713
0-12 months ^a	1,025,540	0.901	778,507	0.849
Sexual Orientation				
Heterosexual ^a	1,046,062	0.919	840,205	0.917
Lesbian/Gay ^a	7,128	0.006	15,423	0.017
Bisexual ^a	5,009	0.004	4,429	0.005
Other ^a	4,987	0.004	4,092	0.005
Prefer not to say ^a	43,662	0.038	35,447	0.039
Not answered ^a	31,805	0.028	17,047	0.019
Age	T = = = = =	Total	T	Г
18-24 ^a	52,425	0.046	30,025	0.033
25-34 ^a	125,459	0.110	66,681	0.073
35-44 ^a	159,548	0.140	105,945	0.116
45-54 ^a	206,793	0.182	161,548	0.176
55-64 ^a	229,612	0.202	204,040	0.223
65-74 ^a	207,977	0.183	208,656	0.228
75-84 ^a	117,226	0.103	112,558	0.123
85 or over ^a	39,613	0.035	27,190	0.030
Work Status	T	T	1	T
Full time ^a	320,836	0.282	387,561	0.423
Part time ^a	211,417	0.186	65,068	0.071
Full time education	20,060	0.018	11,632	0.013
Unemployed ^a	38,063	0.033	42,545	0.046
Permanently sick or disabled ^a	47,436	0.042	45,473	0.050
Fully retired	368,765	0.324	337,353	0.368
Looking after the home ^a	105,283	0.093	7,323	0.008
Doing something else ^a Deprivation	26,793	0.024	19,688	0.022
IMD Score	1,138,653	20.99	916,643	21.34
Religious Status	1,138,033	20.99	916,643	21.34
No religion ^a	224,784	0.197	231,182	0.252
Buddhist	6,773	0.006	5,111	0.232
Christian	800,760	0.703	581,314	0.634
Hindu	16,861	0.703	16,829	0.018
Jewish ^a	6,820	0.015	5,364	0.018
Muslim ^a	33,694	0.030	35,832	0.000
Sikh ^a	7,374	0.007	7,084	0.008
Other ^a	13,420	0.007	9,905	0.008
Prefer not to say ^a	28,167	0.012	24,022	0.026
Ethnicity	20,107	0.023	24,022	0.020
White	1,017,014	0.893	811,291	0.885
Black ^a	27,467	0.024	20,124	0.022
Mixed	8,698	0.008	5,654	0.006
iviixeu	0,000	0.000	3,034	0.000

Asian ^a	39,508	0.035	39,112	0.043
Chinese	5,972	0.005	3,944	0.004
Other	21,137	0.893	21,454	0.004
Rurality	21,137	0.893	21,434	0.023
Rural area ^a	940,875	0.826	757,051	0.826
Long term medical condition	340,673	0.820	737,031	0.820
Alzheimer's or dementia	7,215	0.006	5,666	0.006
Angina or other long term heart problem ^a	53,021	0.047	87,917	0.096
Arthritis or long term joint problem	218,020	0.192	132,797	0.145
Asthma or long term chest problem ^a	131,817	0.116	93,279	0.102
Blindness or severe visual impairment ^a	13,347	0.012	10,438	0.011
Cancer in the last 5 years ^a	42,496	0.037	45,261	0.049
Deafness or severe hearing impairment ^a	46,713	0.041	55,551	0.061
Diabetes ^a	81,380	0.072	110,475	0.121
Epilepsy ^a	11,009	0.010	10,336	0.011
High blood pressure ^a	263,915	0.232	256,635	0.280
Kidney or liver disease ^a	18,425	0.016	20,538	0.022
Learning difficulty ^a	6,784	0.006	8,773	0.010
Long term back problem ^a	126,782	0.111	101,970	0.111
Long term mental health problem ^a	47,142	0.041	32,085	0.035
Long term neurological problem ^a	22,394	0.020	18,708	0.020
Another long term condition ^a	160,837	0.141	120,193	0.131
None of these conditions ^a	436,579	0.383	297,793	0.325
Prefer not to say ^a	13,232	0.012	9,890	0.011
Long standing medical condition			-,	
Long standing health condition ^a	718,456	0.631	631,392	0.689
Acute ill health	,		,	
Activities limited due to illness or injury ^a	210,315	0.185	168,894	0.184
Health related quality of life				
EQ_5D	1,138,653	0.80	916,643	0.80
Smoker Status		l		l
Never smoked ^a	672,416	0.591	407,533	0.445
Former smoker ^a	311,016	0.273	355,504	0.388
Occasional smoker ^a	62,730	0.055	59,318	0.065
Regular smoker ^a	92,491	0.081	94,288	0.103
Family Practitioner characteristics				
GP's per thousand list size ^a	1,138,653	1.01	916,643	1.01
Practice size (divided by one thousand) ^a	1,138,653	5.6	916,643	5.49
Proportion female ^a	1,138,653	0.46	916,643	0.45
Proportion under 50 ^a	1,138,653	0.58	916,643	0.57
Proportion with a UK qualification ^a	1,138,653	0.71	916,643	0.70
Time dummies				
January-March 2012 ^a	194,737	0.171	158,183	0.173
July-September 2012 ^a	195,046	0.171	154,463	0.169
January-March 2013 ^a	198,576	0.174	162,103	0.177
July-September 2013 ^a	185,145	0.163	147,413	0.161
January-March 2014 ^a	185,886	0.163	153,348	0.167

^a denotes a dummy variable Unweighted sample statistics

Table S2 Family practitioner visits in the past three months by sexual orientation: full set of estimates for females and males

Female (N	=1,138,653)	Male (N=9	916,643)
0.803***	[0.755,0.854]	1.218***	[1.163,1.276]
0.887**	[0.817,0.963]	1.084	[0.989,1.188]
0.859***	[0.790,0.935]	0.916	[0.831,1.010]
0.908***	[0.881,0.936]	0.957*	[0.924,0.990]
1.016	[0.985,1.049]	1.023	[0.971,1.077]
1.823***	[1.774,1.874]	0.767***	[0.738,0.797]
2.228***	[2.184,2.272]	0.882***	[0.860,0.905]
1.867***	[1.834,1.901]	0.997	[0.977,1.018]
1.303***	[1.282,1.324]	0.945***	[0.928,0.962]
0.994	[0.977,1.011]	1.153***	[1.131,1.177]
1.080***	[1.057,1.103]	1.333***	[1.301,1.367]
0.871***	[0.843,0.900]	1.298***	[1.247,1.351]
		•	
1.200***	[1.183,1.217]	1.064***	[1.037,1.092]
0.890***	[0.852,0.931]	1.016	[0.956,1.080]
1.240***	[1.202,1.280]	1.174***	[1.139,1.211]
1.125***	[1.084,1.167]	1.120***	[1.074,1.167]
1.159***		1.004	[0.983,1.025]
	-		[1.094,1.257]
	-		[0.997,1.088]
<u>I</u>	, ,	l .	, ,
0.998***	[0.997,0.998]	0.998***	[0.997,0.998]
	, ,	· · · · · · · · · · · · · · · · · · ·	, ,
0.959***	[0.946,0.971]	0.965***	[0.951,0.980]
			[0.860,1.016]
	-		[1.191,1.341]
			[1.473,1.757]
			[1.436,1.569]
			[1.255,1.482]
			[0.902,1.016]
			[0.929,1.008]
	[[]	1 232 2 2	[[[]]
1.244***	[1.198.1.291]	1.267***	[1.212,1.324]
			[0.997,1.168]
			[1.149,1.265]
			[0.865,1.072]
			[1.110,1.218]
	1 [/]	1 =====	
0.993	[0.975.1.010]	0,986	[0.966,1.006]
		1 3.7 3 0	1 [23,2.200]
0.266***	[0.256.0.276]	0.266***	[0.255,0.278]
	_ [[]	1	1 [,3, 0]
	50.055.4.0003	0.071	[0.885,1.064]
0.940	10.877.1.0081	[().97 [
0.940 1.363***	[0.877,1.008]	0.971 1.421***	-
0.940 1.363***	[1.328,1.400]	1.421***	[1.390,1.452]
1.363***	[1.328,1.400]	1.421***	[1.390,1.452]
			-
	0.803*** 0.887** 0.859*** 0.908*** 1.016 1.823*** 2.228*** 1.867*** 1.303*** 0.994 1.080*** 0.871*** 1.240*** 1.125*** 1.3159*** 1.388*** 1.301*** 0.998*** 1.440*** 1.351*** 1.314*** 1.612*** 1.351*** 1.332*** 0.930**	0.887** [0.817,0.963] 0.859*** [0.790,0.935] 0.908*** [0.881,0.936] 1.016 [0.985,1.049] 1.823*** [1.774,1.874] 2.228*** [2.184,2.272] 1.867*** [1.834,1.901] 1.303*** [1.282,1.324] 0.994 [0.977,1.011] 1.080*** [0.843,0.900] 1.200*** [1.183,1.217] 0.890*** [0.852,0.931] 1.240*** [1.202,1.280] 1.125*** [1.084,1.167] 1.159*** [1.138,1.180] 1.388*** [1.361,1.415] 1.301*** [1.258,1.347] 0.998*** [0.997,0.998] 0.959*** [0.946,0.971] 0.830*** [0.776,0.889] 1.114*** [1.051,1.180] 1.612*** [1.504,1.729] 1.351*** [1.226,1.446] 0.930** [0.885,0.977] 0.899*** [0.867,0.932] 1.244*** [1.198,1.291] 1.036 [0.978,1.098]	0.803*** [0.755,0.854] 1.218*** 0.887*** [0.817,0.963] 1.084 0.859**** [0.790,0.935] 0.916 0.908**** [0.881,0.936] 0.957* 1.016 [0.985,1.049] 1.023 1.823*** [1.774,1.874] 0.767*** 2.228*** [2.184,2.272] 0.882*** 1.867*** [1.834,1.901] 0.997 1.303*** [1.282,1.324] 0.945*** 0.994 [0.977,1.011] 1.153*** 1.080*** [1.057,1.103] 1.333*** 0.871*** [0.843,0.900] 1.298*** 1.200*** [1.183,1.217] 1.064*** 0.890**** [0.852,0.931] 1.016 1.240**** [1.202,1.280] 1.174*** 1.159**** [1.138,1.180] 1.004 1.388*** [1.361,1.415] 1.172*** 1.301*** [1.258,1.347] 1.041 0.998*** [0.997,0.998] 0.998*** 0.959*** [0.946,0.971] 0.965*** 0.830**

				•
Cancer in the last 5 years	1.366***	[1.330,1.404]	1.548***	[1.502,1.594]
Deafness or severe hearing	1.011	[0.984,1.039]	0.999	[0.972,1.027]
impairment				
Diabetes	1.332***	[1.302,1.362]	1.460***	[1.428,1.492]
Epilepsy	1.191***	[1.124,1.262]	1.328***	[1.244,1.417]
High blood pressure	1.246***	[1.228,1.264]	1.327***	[1.307,1.349]
Kidney or liver disease	1.231***	[1.177,1.287]	1.335***	[1.272,1.401]
Learning difficulty	0.684***	[0.633,0.738]	0.808***	[0.754,0.865]
Long term back problem	1.044***	[1.025,1.064]	0.915***	[0.895,0.935]
Long term mental health problem	1.622***	[1.569,1.677]	1.582***	[1.519,1.647]
Long term neurological problem	1.241***	[1.188,1.296]	1.289***	[1.225,1.356]
Another long term condition	1.315***	[1.293,1.337]	1.267***	[1.242,1.293]
Prefer not to say	1.402***	[1.337,1.471]	1.391***	[1.314,1.472]
Health condition				
Long standing health condition	1.393***	[1.371,1.415]	1.678***	[1.647,1.710]
Acute ill health				
Activities limited due to illness or	1.723***	[1.696,1.750]	1.855***	[1.822,1.889]
injury				
Smoking Status (base non-smoker)				
Former smoker	1.175***	[1.161,1.189]	1.139***	[1.122,1.155]
Occasional smoker	1.027*	[1.003,1.051]	0.983	[0.957,1.009]
Regular smoker	0.955***	[0.936,0.974]	0.889***	[0.870,0.908]
Practice Characteristics				
Proportion of practice female	1.117***	[1.086,1.149]	1.041*	[1.008,1.075]
Proportion of practice under 50	0.984	[0.959,1.009]	0.981	[0.954,1.008]
Proportion of practice with a UK	1.066***	[1.043,1.090]	1.018	[0.993,1.043]
qualification				
Family practitioners per 1000 patients	1.102***	[1.085,1.119]	1.088***	[1.070,1.107]
Practice list size	0.995***	[0.993,0.997]	0.995***	[0.992,0.997]
Time dummies (Base January-March				
2012)				
July-September 2012	0.998	[0.980,1.016]	1.053***	[1.030,1.076]
January-March 2013	1.042***	[1.023,1.061]	1.086***	[1.062,1.110]
July-September 2013	0.991	[0.974,1.009]	1.043***	[1.020,1.066]
January-March 2014	1.027**	[1.009,1.046]	1.047***	[1.024,1.071]
July-September 2014	0.982*	[0.964,1.000]	1.011	[0.989,1.034]
Y 1 1 1 6 6 11 11 11 11		 		

Logistic regressions of family practitioner use in the past three months Standard errors are robust to heteroskedasticity and clustered at the practice level Exponentiated coefficients; 95% confidence intervals in brackets p < 0.05, *** p < 0.01, *** p < 0.001

Table S3 Family practitioner visit in the past three months by sexual orientation and interacted with practice characteristics: full set of estimates for females

rubic 33 runniy praetitioner visit	Proportion of practice under 50 interaction model (N=1,138,653)		Proportion of pract	roportion of practice female interaction model (N=1,138,653)		Proportion of practice qualified in the UK interaction model (N=1,138,653)	
Sexual Orientation interaction with				1,130,033	meeraetion moa	er (17 1,130,000)	
Lesbian*under50	1.022	[0.812,1.285]					
Bisexual*under50	1.001	[0.761,1.317]					
Other*under50	0.750 [*]	[0.578,0.974]					
Prefer not to say*under50	0.923	[0.844,1.009]					
Not answered*under50	0.892*	[0.805,0.989]					
Sexual Orientation interaction with	proportion of practic	e female (base Hetero	osexual)		•	•	
Lesbian*proportionfemale			1.084	[0.841,1.398]			
Bisexual*proportionfemale			1.329	[0.965,1.831]			
Other*proportionfemale			0.925	[0.678,1.261]			
Prefernot*proportionfemale			0.969	[0.873,1.076]			
Not answered *proportionfemale			1.045	[0.928,1.175]			
Sexual Orientation interaction with	proportion of practic	e with a UK qualificat	ion (base Heterosexual)				
Lesbian*ukcoq					0.935	[0.766,1.143]	
Bisexual*ukcoq					1.224	[0.966,1.550]	
Other*ukcoq					0.750 [*]	[0.598,0.940]	
Prefernot*ukcoq					0.890**	[0.823,0.963]	
Not answered *ukcoq					0.915*	[0.838,0.998]	
Sexual Orientation (base Heterosex	ual)						
Lesbian	0.792**	[0.682,0.920]	0.771***	[0.671,0.886]	0.846*	[0.717,0.998]	
Bisexual	0.887	[0.740,1.063]	0.772**	[0.649,0.918]	0.763**	[0.633,0.920]	
Other	1.021	[0.864,1.208]	0.891	[0.758,1.048]	1.050	[0.887,1.245]	
Prefer not to say	0.954	[0.899,1.012]	0.922**	[0.871,0.975]	0.988	[0.930,1.049]	
Not answered	1.089*	[1.020,1.163]	0.996	[0.937,1.058]	1.084*	[1.014,1.158]	
Age (base 55-65)							
16-24	1.824***	[1.774,1.874]	1.823***	[1.774,1.874]	1.824***	[1.774,1.875]	
25-34	2.227***	[2.183,2.272]	2.228***	[2.184,2.273]	2.227***	[2.183,2.272]	
35-44	1.867***	[1.834,1.901]	1.867***	[1.834,1.901]	1.867***	[1.834,1.901]	
45-54	1.303***	[1.282,1.324]	1.303***	[1.282,1.324]	1.303***	[1.282,1.324]	
65-74	0.994	[0.977,1.011]	0.994	[0.977,1.011]	0.994	[0.978,1.011]	
75-84	1.080***	[1.057,1.103]	1.080***	[1.057,1.103]	1.080***	[1.057,1.103]	
85 and over	0.871***	[0.843,0.900]	0.871***	[0.843,0.900]	0.871***	[0.843,0.900]	

Work Status (base Full time)						
Part time	1.200***	[1.183,1.217]	1.200***	[1.183,1.217]	1.200***	[1.183,1.217]
Full time education	0.891***	[0.852,0.931]	0.890***	[0.852,0.930]	0.890***	[0.852,0.930]
Unemployed	1.240***	[1.202,1.280]	1.240***	[1.202,1.280]	1.240***	[1.202,1.280]
Permanently sick or disabled	1.125***	[1.084,1.167]	1.125***	[1.084,1.167]	1.125***	[1.084,1.167]
Fully Retired	1.159***	[1.138,1.180]	1.159***	[1.138,1.180]	1.159***	[1.138,1.180]
Looking after the home	1.387***	[1.361,1.415]	1.388***	[1.361,1.415]	1.387***	[1.361,1.415]
Doing something else	1.301***	[1.258,1.347]	1.301****	[1.258,1.347]	1.301***	[1.258,1.346]
Deprivation						
IMD score	0.998***	[0.997,0.998]	0.998***	[0.997,0.998]	0.998***	[0.997,0.998]
Religious Status (base Christian)						
No religion	0.959***	[0.946,0.971]	0.959***	[0.946,0.971]	0.959***	[0.946,0.971]
Buddhist	0.830***	[0.776,0.889]	0.830***	[0.776,0.889]	0.831***	[0.776,0.889]
Hindu	1.112***	[1.050,1.179]	1.114***	[1.051,1.180]	1.111****	[1.048,1.177]
Jewish	1.612***	[1.504,1.729]	1.612***	[1.504,1.729]	1.612***	[1.504,1.729]
Muslim	1.350***	[1.291,1.413]	1.351***	[1.291,1.413]	1.348***	[1.288,1.410]
Sikh	1.330***	[1.225,1.445]	1.331****	[1.226,1.446]	1.329***	[1.224,1.443]
Other religion	0.930**	[0.885,0.977]	0.930**	[0.885,0.977]	0.931**	[0.886,0.978]
Prefer not to say	0.899***	[0.867,0.932]	0.899***	[0.867,0.932]	0.901***	[0.869,0.934]
Ethnicity (base White)						
Black	1.244***	[1.198,1.291]	1.244***	[1.198,1.292]	1.244***	[1.198,1.291]
Mixed	1.036	[0.978,1.098]	1.036	[0.978,1.098]	1.036	[0.978,1.098]
Asian	1.027	[0.980,1.076]	1.027	[0.980,1.076]	1.027	[0.980,1.076]
Chinese	0.816***	[0.757,0.879]	0.816***	[0.757,0.879]	0.816***	[0.757,0.879]
Other	1.091***	[1.044,1.141]	1.092***	[1.044,1.141]	1.090***	[1.043,1.139]
Rurality						
Rural area	0.993	[0.975,1.010]	0.993	[0.975,1.010]	0.993	[0.975,1.011]
Health related quality of life	***		-			
EQ_5D score	0.266***	[0.256,0.276]	0.266***	[0.256,0.276]	0.266***	[0.256,0.276]
Long standing medical condition						
Alzheimer's or dementia	0.940	[0.877,1.008]	0.940	[0.877,1.008]	0.940	[0.877,1.008]
Angina or other long term heart problem	1.363***	[1.328,1.400]	1.363****	[1.328,1.400]	1.363***	[1.328,1.400]
Arthritis or long term joint problem	1.108***	[1.090,1.125]	1.108***	[1.090,1.125]	1.108***	[1.090,1.125]

Asthma or long term chest	1.262***	[1.239,1.285]	1.262***	[1.239,1.285]	1.262***	[1.239,1.285]
problem	1.202	[1.233,1.203]	1.202	[1.233,1.203]	1.202	[1.255,1.205]
Blindness or severe visual	0.952	[0.902,1.004]	0.952	[0.902,1.004]	0.952	[0.902,1.004]
impairment	0.002	[0.002,2.00.1]	0.002	[0.552/2.55.]	0.552	[0.002,2.00.]
Cancer in the last 5 years	1.366***	[1.330,1.404]	1.366***	[1.330,1.404]	1.366***	[1.330,1.404]
Deafness or severe hearing	1.011	[0.984,1.039]	1.011	[0.984,1.039]	1.011	[0.984,1.039]
impairment						
Diabetes	1.331***	[1.302,1.362]	1.332***	[1.302,1.362]	1.332***	[1.302,1.362]
Epilepsy	1.191***	[1.124,1.262]	1.191***	[1.124,1.262]	1.191***	[1.124,1.263]
High blood pressure	1.246***	[1.228,1.264]	1.246***	[1.228,1.264]	1.246***	[1.228,1.264]
Kidney or liver disease	1.231***	[1.177,1.287]	1.231***	[1.177,1.288]	1.231***	[1.177,1.287]
Learning difficulty	0.684***	[0.633,0.738]	0.684***	[0.633,0.738]	0.684***	[0.633,0.738]
Long term back problem	1.044***	[1.025,1.064]	1.044***	[1.025,1.064]	1.044***	[1.025,1.064]
Long term mental health problem	1.622***	[1.569,1.677]	1.622***	[1.569,1.677]	1.622***	[1.569,1.677]
Long term neurological problem	1.241***	[1.188,1.296]	1.241***	[1.188,1.296]	1.241***	[1.189,1.296]
Another long term condition	1.315***	[1.293,1.337]	1.315***	[1.293,1.337]	1.315***	[1.293,1.337]
Prefer not to say	1.402***	[1.337,1.471]	1.402***	[1.336,1.471]	1.402***	[1.336,1.470]
Health condition		<u>.</u>		<u>.</u>	<u>.</u>	<u>.</u>
Long standing health condition	1.393***	[1.371,1.415]	1.393***	[1.371,1.415]	1.393***	[1.371,1.415]
Acute ill health						·
Activities limited due to illness or	1.723***	[1.696,1.750]	1.723***	[1.696,1.750]	1.723***	[1.696,1.750]
injury						
Smoking Status (base non-smoker)						
Former smoker	1.175****	[1.161,1.189]	1.175***	[1.161,1.189]	1.175***	[1.161,1.189]
Occasional smoker	1.027*	[1.003,1.051]	1.027*	[1.003,1.051]	1.027*	[1.003,1.051]
Regular smoker	0.955***	[0.936,0.974]	0.955***	[0.936,0.974]	0.955***	[0.936,0.974]
Practice Characteristics						
Proportion of practice female	1.117****	[1.086,1.149]	1.115***	[1.084,1.148]	1.117***	[1.086,1.149]
Proportion of practice under 50	0.990	[0.965,1.016]	0.984	[0.959,1.009]	0.984	[0.960,1.009]
Proportion of practice with a UK	1.066****	[1.043,1.090]	1.066***	[1.043,1.090]	1.074***	[1.050,1.098]
qualification						
Family practitioners per 1000	1.102***	[1.085,1.119]	1.102***	[1.085,1.119]	1.102***	[1.085,1.119]
patients	***					
Practice list size	0.995***	[0.993,0.997]	0.995***	[0.993,0.997]	0.995***	[0.993,0.997]
Time Dummies (Base January-March	n 2012)					

July-September 2012	0.998	[0.980,1.016]	0.998	[0.980,1.016]	0.998	[0.980,1.016]
January-March 2013	1.042***	[1.023,1.060]	1.042***	[1.023,1.061]	1.042***	[1.023,1.061]
July-September 2013	0.991	[0.974,1.009]	0.991	[0.974,1.009]	0.991	[0.974,1.009]
January-March 2014	1.027**	[1.009,1.046]	1.027**	[1.009,1.046]	1.027**	[1.009,1.046]
July-September 2014	0.982*	[0.964,1.000]	0.982*	[0.964,1.000]	0.982*	[0.964,1.000]

Logistic regressions of family practitioner use in the past three months with practice characteristic interactions, for females Standard errors are robust to heteroskedasticity and clustered at the practice level

Exponentiated coefficients; 95% confidence intervals in brackets p < 0.05, p < 0.01, p < 0.001

Table S4 Family practitioner visit in the past three months by sexual orientation and interacted with practice characteristics: full set of estimates for males

		ice female interaction	Proportion of practi	ce qualified in the UK					
				interaction model (N=916,643)					
proportion of practice	female (base Hetero	•		T-	1				
		0.931	[0.659,1.315]						
		0.947	[0.674,1.332]						
		0.907	[0.806,1.020]						
		0.946	[0.790,1.133]						
proportion of practice	with a UK qualificati	on (base Heterosexual)							
				0.978	[0.844,1.133]				
				0.919	[0.717,1.177]				
				0.781*	[0.610,1.000]				
				0.887**	[0.811,0.970]				
				0.895	[0.782,1.024]				
ıal)		1	•	•	<u>, </u>				
1.119*	[1.005,1.245]	1.096	[0.997,1.205]	1.238***	[1.102,1.392]				
0.986		1.122	[0.937,1.343]	1.153	[0.959,1.386]				
1.086		0.940	[0.786,1.124]	1.085	[0.914,1.288]				
0.951		1.002		1.041	[0.974,1.113]				
1.101		1.049	 - 		[1.005,1.215]				
	[,]				1				
1.041*	[1.009.1.075]	1.042*	[1.008.1.077]	1.041*	[1.008,1.075]				
			<u> </u>		[0.955,1.009]				
					[1.002,1.054]				
			<u> </u>		[1.070,1.107]				
					[0.992,0.997]				
					[0.738,0.797]				
					[0.860,0.905]				
	interaction mode proportion of practice 1.142 1.167 0.749 1.011 0.883 proportion of practice proportion of practice proportion of practice 1.119* 0.986 1.086 0.951	interaction model (N=916,643) proportion of practice under 50 (base Hete 1.142 [0.976,1.337] 1.167 [0.873,1.561] 0.749 [0.552,1.016] 1.011 [0.911,1.122] 0.883 [0.753,1.037] proportion of practice female (base Hetero proportion of practice with a UK qualification proportion of practice female (base Heteropy proportion of practice with a UK qualification proport	interaction model (N=916,643) proportion of practice under 50 (base Heterosexual) 1.142	interaction model (N=916,643) model (N=916,643) proportion of practice under 50 (base Heterosexual) 1.142 [0.976,1.337]	Interaction model (N=916,643) model (N=916,643) interaction model (N=916,643)				

Work Status (base Full time)						
Part time	0.997	[0.977,1.018]	0.997	[0.977,1.018]	0.997	[0.977,1.018]
Full time education	0.945***	[0.928,0.962]	0.945***	[0.928,0.962]	0.945***	[0.928,0.962]
Unemployed	1.153***	[1.131,1.177]	1.153***	[1.131,1.177]	1.153***	[1.131,1.177]
Permanently sick or disabled	1.333***	[1.301,1.367]	1.333***	[1.301,1.367]	1.334***	[1.301,1.367]
Fully Retired	1.298***	[1.247,1.351]	1.298***	[1.247,1.350]	1.298***	[1.248,1.351]
Looking after the home	1.064***	[1.037,1.092]	1.064***	[1.037,1.092]	1.064***	[1.037,1.092]
Doing something else	1.016	[0.955,1.079]	1.016	[0.955,1.080]	1.016	[0.956,1.080]
Deprivation						
IMD score	1.174***	[1.139,1.211]	1.174***	[1.139,1.211]	1.174***	[1.139,1.211]
Religious Status (base Christian)			<u>.</u>			
No religion	1.120***	[1.074,1.167]	1.120***	[1.074,1.167]	1.120***	[1.074,1.167]
Buddhist	1.004	[0.983,1.025]	1.004	[0.983,1.025]	1.004	[0.983,1.025]
Hindu	1.172***	[1.093,1.257]	1.172***	[1.094,1.257]	1.172***	[1.094,1.257]
Jewish	1.041	[0.997,1.088]	1.041	[0.997,1.088]	1.041	[0.997,1.088]
Muslim	0.998***	[0.997,0.998]	0.998***	[0.997,0.998]	0.998***	[0.997,0.998]
Sikh	0.965***	[0.951,0.980]	0.965***	[0.951,0.980]	0.965***	[0.951,0.980]
Other religion	0.935	[0.860,1.016]	0.935	[0.860,1.016]	0.934	[0.859,1.015]
Prefer not to say	1.263***	[1.190,1.341]	1.263***	[1.190,1.341]	1.261***	[1.188,1.338]
Ethnicity (base White)			<u>.</u>			<u>.</u>
Black	1.608***	[1.473,1.756]	1.608***	[1.473,1.756]	1.608***	[1.472,1.756]
Mixed	1.501***	[1.436,1.569]	1.500***	[1.435,1.568]	1.498***	[1.433,1.566]
Asian	1.363***	[1.254,1.481]	1.362***	[1.253,1.480]	1.359***	[1.250,1.477]
Chinese	0.957	[0.902,1.016]	0.958	[0.902,1.017]	0.958	[0.903,1.017]
Other	0.968	[0.929,1.008]	0.969	[0.930,1.009]	0.970	[0.932,1.011]
Rurality						·
Rural area	1.267***	[1.212,1.324]	1.267***	[1.212,1.324]	1.267***	[1.212,1.324]
Health related quality of life				·		
EQ_5D score	1.079	[0.997,1.168]	1.079	[0.997,1.168]	1.079	[0.997,1.168]
Long standing medical condition						
Alzheimer's or dementia	1.206***	[1.149,1.265]	1.205***	[1.149,1.265]	1.206***	[1.149,1.265]
Angina or other long term heart	0.962	[0.865,1.071]	0.963	[0.865,1.071]	0.963	[0.865,1.072]
problem						
Arthritis or long term joint	1.162***	[1.109,1.218]	1.162***	[1.109,1.218]	1.161***	[1.108,1.217]
problem						

Asthma or long term chest problem	0.986	[0.966,1.005]	0.986	[0.966,1.006]	0.986	[0.966,1.006]
Blindness or severe visual impairment	0.266***	[0.254,0.278]	0.266***	[0.255,0.278]	0.266***	[0.254,0.278]
Cancer in the last 5 years	0.971	[0.885,1.064]	0.971	[0.886,1.065]	0.971	[0.885,1.064]
Deafness or severe hearing	1.421***	[1.390,1.452]	1.421***	[1.390,1.452]	1.421***	[1.390,1.452]
impairment						
Diabetes	1.041***	[1.020,1.062]	1.041***	[1.020,1.062]	1.041***	[1.020,1.062]
Epilepsy	1.189***	[1.163,1.216]	1.189***	[1.163,1.216]	1.189***	[1.163,1.216]
High blood pressure	0.856***	[0.802,0.914]	0.856***	[0.802,0.914]	0.856***	[0.802,0.913]
Kidney or liver disease	1.548***	[1.502,1.594]	1.548***	[1.502,1.594]	1.548***	[1.502,1.594]
Learning difficulty	0.999	[0.972,1.027]	0.999	[0.972,1.027]	0.999	[0.972,1.027]
Long term back problem	1.460***	[1.428,1.492]	1.460***	[1.428,1.492]	1.460***	[1.428,1.492]
Long term mental health problem	1.328***	[1.244,1.417]	1.328***	[1.244,1.417]	1.329***	[1.245,1.418]
Long term neurological problem	1.327***	[1.307,1.349]	1.327***	[1.307,1.349]	1.327***	[1.307,1.349]
Another long term condition	1.335***	[1.272,1.401]	1.335***	[1.272,1.401]	1.335***	[1.272,1.401]
Prefer not to say	0.808***	[0.755,0.865]	0.808***	[0.755,0.866]	0.808***	[0.755,0.866]
Health condition						
Long standing health condition	0.915***	[0.895,0.935]	0.915***	[0.895,0.935]	0.914***	[0.895,0.935]
Acute ill health						
Activities limited due to illness or	1.581***	[1.519,1.646]	1.581***	[1.519,1.646]	1.582***	[1.519,1.647]
injury						
Smoking Status (base non-smoker)						
Former smoker	1.289***	[1.225,1.356]	1.289***	[1.225,1.356]	1.289***	[1.225,1.356]
Occasional smoker	1.267***	[1.242,1.293]	1.267***	[1.242,1.293]	1.267***	[1.242,1.293]
Regular smoker	1.390***	[1.314,1.472]	1.391***	[1.314,1.472]	1.391***	[1.314,1.472]
Practice Characteristics						
Proportion of practice female	1.678***	[1.647,1.710]	1.678***	[1.647,1.710]	1.678***	[1.647,1.710]
Proportion of practice under 50	1.855***	[1.822,1.889]	1.855***	[1.822,1.889]	1.855***	[1.822,1.889]
Proportion of practice with a UK	1.139***	[1.122,1.155]	1.139***	[1.122,1.155]	1.139***	[1.123,1.155]
qualification						
Family practitioners per 1000	0.983	[0.957,1.009]	0.983	[0.957,1.009]	0.983	[0.957,1.009]
patients						
Practice list size	0.889***	[0.870,0.909]	0.889***	[0.870,0.908]	0.889***	[0.870,0.909]
Time dummies (base January-March	n 2012)					

July-September 2012	1.053***	[1.030,1.076]	1.053***	[1.030,1.076]	1.053***	[1.030,1.076]
January-March 2013	1.086***	[1.062,1.110]	1.086***	[1.062,1.110]	1.086***	[1.062,1.110]
July-September 2013	1.043***		1.043***	[1.020,1.066]	1.043***	[1.020,1.066]
January-March 2014	1.047***	[1.024,1.071]	1.047***	[1.024,1.071]	1.047***	[1.024,1.071]
July-September 2014	1.011	[0.989,1.034]	1.011	[0.989,1.034]	1.011	[0.989,1.034]

Logistic regressions of family practitioner use in the past three months with practice characteristic interactions, for males

Standard errors are robust to heteroskedasticity and clustered at the practice level

Exponentiated coefficients; 95% confidence intervals in brackets p < 0.05, p < 0.01, p < 0.01

Table S5 Family practitioner visit in the past three months by sexual orientation among females (1,138,653): interacted sexual orientation and long-term health conditions

	Lesbian		Bisexual		Other		Prefer no	t to say	Not answ	vered
Long term medical condition										
Alzheimer's or dementia	0.762	[0.211,2.757]	1.196	[0.219,6.543]	0.723	[0.374,1.394]	0.733**	[0.582,0.922]	0.805	[0.609,1.064]
Angina or other long term heart	1.270	[0.785,2.054]	0.977	[0.591,1.617]	0.946	[0.674,1.328]	0.972	[0.866,1.092]	0.865**	[0.786,0.952]
Arthritis or long term joint problem	0.956	[0.796,1.148]	0.956	[0.759,1.206]	1.187	[0.991,1.421]	1.032	[0.970,1.098]	1.018	[0.960,1.081]
Asthma or long term chest problem	0.837*	[0.712,0.984]	0.846	[0.691,1.036]	1.054	[0.848,1.310]	0.961	[0.892,1.035]	1.082	[0.996,1.176]
Blindness or severe visual	0.714	[0.327,1.558]	1.371	[0.652,2.885]	0.891	[0.539,1.473]	0.925	[0.777,1.103]	0.979	[0.817,1.173]
Cancer in the last 5 years	0.942	[0.671,1.323]	1.116	[0.679,1.837]	1.089	[0.748,1.585]	0.978	[0.860,1.112]	1.027	[0.901,1.169]
Deafness or severe hearing	1.344	[0.918,1.967]	1.322	[0.818,2.137]	0.875	[0.637,1.202]	0.904	[0.810,1.010]	0.929	[0.847,1.019]
Diabetes	0.976	[0.732,1.302]	1.426*	[1.027,1.979]	1.070	[0.845,1.356]	1.042	[0.962,1.127]	0.924*	[0.855,0.998]
Epilepsy	0.873	[0.568,1.343]	1.049	[0.602,1.827]	1.101	[0.608,1.995]	0.898	[0.732,1.100]	0.859	[0.678,1.090]
High blood pressure	1.058	[0.880,1.271]	1.026	[0.806,1.305]	1.029	[0.867,1.222]	1.053	[0.993,1.117]	0.957	[0.903,1.014]
Kidney or liver disease	1.056	[0.609,1.830]	0.673	[0.364,1.244]	0.989	[0.615,1.589]	0.734***	[0.621,0.868]	1.098	[0.915,1.317]
Learning difficulty	0.981	[0.571,1.684]	0.962	[0.608,1.522]	0.789	[0.522,1.192]	1.134	[0.958,1.343]	0.707*	[0.538,0.928]
Long term back problem	0.931	[0.774,1.120]	0.817	[0.653,1.022]	0.924	[0.754,1.133]	1.008	[0.936,1.085]	0.980	[0.908,1.059]
Long term mental health problem	1.003	[0.816,1.234]	0.781*	[0.642,0.949]	0.859	[0.640,1.153]	0.775***	[0.688,0.874]	0.858	[0.716,1.028]
Long term neurological problem	1.238	[0.845,1.812]	1.013	[0.642,1.599]	0.775	[0.505,1.191]	0.893	[0.758,1.053]	1.154	[0.908,1.467]
Another long term condition	1.101	[0.935,1.296]	0.964	[0.790,1.177]	0.870	[0.716,1.056]	0.947	[0.883,1.015]	1.015	[0.926,1.112]
Prefer not to say	0.735	[0.438,1.232]	1.297	[0.771,2.183]	0.461***	[0.296,0.718]	0.862**	[0.770,0.965]	0.768*	[0.596,0.989]
Long standing medical condition										
Long standing health condition	1.226*	[1.049,1.433]	1.035	[0.861,1.244]	0.892	[0.750,1.062]	1.113**	[1.029,1.203]	1.113**	[1.029,1.203]

Logistic regressions of family practitioner use in the past three months Model includes all patient and practice characteristics for the main analysis (Table S2) Estimates are odds-ratio relative to heterosexual with the respective health condition Standard errors are robust to heteroskedasticity and clustered at the practice level Exponentiated coefficients; 95% confidence intervals in brackets p < 0.05, p < 0.01, p < 0.01

Table S6 Family practitioner visit in the past three months by sexual orientation among males (916,643): interacted sexual orientation and longterm health conditions

	Gay		Bisexua	l	Other		Prefer n	ot to say	Not ansv	wered
Long term medical condition										
Alzheimer's or dementia	0.573	[0.280,1.174]	0.410	[0.134,1.259]	1.056	[0.493,2.262]	0.607**	[0.450,0.819]	1.056	[0.763,1.462]
Angina or other long term heart	1.227*	[1.012,1.487]	1.150	[0.843,1.568]	0.950	[0.717,1.259]	0.942	[0.857,1.035]	0.924	[0.828,1.031]
Arthritis or long term joint	1.148	[0.998,1.320]	1.181	[0.942,1.481]	0.996	[0.793,1.249]	0.983	[0.910,1.062]	1.013	[0.920,1.116]
Asthma or long term chest	0.971	[0.860,1.096]	1.034	[0.823,1.300]	1.067	[0.835,1.363]	0.966	[0.889,1.049]	1.170**	[1.039,1.318]
Blindness or severe visual	0.941	[0.584,1.516]	0.913	[0.479,1.740]	0.817	[0.461,1.448]	0.888	[0.720,1.096]	0.806	[0.625,1.039]
Cancer in the last 5 years	0.860	[0.698,1.061]	0.777	[0.514,1.177]	0.989	[0.633,1.543]	0.989	[0.864,1.131]	0.881	[0.755,1.027]
Deafness or severe hearing	1.102	[0.894,1.359]	0.917	[0.649,1.296]	0.659*	[0.469,0.927]	0.923	[0.827,1.030]	0.948	[0.839,1.071]
Diabetes	1.194*	[1.024,1.393]	1.343*	[1.067,1.689]	1.260*	[1.008,1.576]	1.095*	[1.015,1.182]	0.952	[0.865,1.048]
Epilepsy	0.893	[0.653,1.222]	0.719	[0.403,1.283]	1.376	[0.785,2.413]	0.949	[0.774,1.163]	0.941	[0.709,1.250]
High blood pressure	0.965	[0.872,1.067]	0.966	[0.810,1.153]	1.075	[0.902,1.280]	1.063*	[1.001,1.129]	0.995	[0.919,1.079]
Kidney or liver disease	0.923	[0.693,1.230]	1.182	[0.763,1.831]	1.027	[0.653,1.614]	0.921	[0.780,1.087]	0.941	[0.751,1.178]
Learning difficulty	0.626**	[0.445,0.881]	1.248	[0.775,2.010]	1.061	[0.696,1.619]	1.288**	[1.105,1.502]	0.982	[0.749,1.289]
Long term back problem	0.897	[0.786,1.024]	0.977	[0.785,1.216]	0.977	[0.778,1.227]	1.061	[0.980,1.150]	1.009	[0.904,1.127]
Long term mental health problem	1.246**	[1.082,1.435]	0.826	[0.651,1.050]	0.791	[0.595,1.051]	0.834**	[0.736,0.946]	0.765*	[0.617,0.949]
Long term neurological problem	0.867	[0.660,1.139]	1.053	[0.666,1.667]	0.759	[0.455,1.266]	0.792**	[0.664,0.945]	0.774	[0.586,1.024]
Another long term condition	0.975	[0.885,1.075]	1.026	[0.840,1.253]	1.129	[0.911,1.399]	0.947	[0.875,1.024]	1.009	[0.893,1.140]
Prefer not to say	0.868	[0.664,1.134]	0.875	[0.511,1.497]	0.491**	[0.297,0.812]	0.798***	[0.703,0.905]	1.064	[0.780,1.451]
Long standing medical condition										
Long standing health condition	0.999	[0.902,1.108]	0.895	[0.739,1.083]	1.048	[0.981,1.120]	0.808*	[0.664,0.983]	1.056	[0.949,1.174]

Logistic regressions of family practitioner use in the past three months Model includes all patient and practice characteristics for the main analysis (Table S2) Estimates are odds-ratio relative to heterosexual with the respective health condition Standard errors are robust to heteroskedasticity and clustered at the practice level Exponentiated coefficients; 95% confidence intervals in brackets p < 0.05, p < 0.01, p < 0.001

Table S7 Family practitioner visit in by sexual orientation among females (N=1,138,653)

	0-6 months (N=1,138,653)			0-12months (N=1,138,653)				
Sexual Orientation (base heterosexual)								
Lesbian	0.749	[0.697,0.804]	P<0.001	0.748	[0.676,0.827]	P<0.001		
Bisexual	0.933	[0.841,1.035]	P<0.001	0.815	[0.708,0.939]	P=0.005		
Other	0.885	[0.800,0.979]	P=0.018	0.781	[0.678,0.900]	P=0.001		
Prefer not to say	0.894	[0.863,0.926]	P<0.001	0.837	[0.797,0.879]	P<0.001		
Not answered	1.058	[1.018,1.100]	P=0.004	1.153	[1.089,1.220]	P<0.001		

Logistic regression of family practitioner use in the past six months and twelve months by females

Standard errors are robust to heteroskedasticity and clustered at the practice level

Estimates are odds-ratio relative to heterosexual interacted with respective practice characteristic

95% confidence intervals in brackets

Table S8 Family practitioner visit in by sexual orientation among males (N=916,643)

	0-6 months (N=916,643)			0-12months (N=916,643)			
Sexual Orientation	(base he	terosexual)					
Gay	1.249	[1.187,1.315]	P<0.001	1.225	[1.150,1.305]	P<0.001	
Bisexual	1.054	[0.953,1.168]	P=0.300	1.076	[0.942,1.228]	P=0.280	
Other	0.877	[0.787,0.981]	P=0.021	0.869	[0.775,1.000]	P=0.051	
Prefer not to say	0.953	[0.917,0.990]	P=0.013	0.917	[0.875,0.962]	P<0.001	
Not answered	1.060	[0.999,1.125]	P=0.054	0.996	[0.922,1.076]	P=0.927	

Logistic regression of family practitioner use in the past six months and twelve months by males

Standard errors are robust to heteroskedasticity and clustered at the practice level

Estimates are odds-ratio relative to heterosexual interacted with respective practice characteristic

95% confidence intervals in brackets

Table S9 Health care professional visit in by sexual orientation among females

	Seen eit	her a Nurse and,	or Family	Seen a Nurse in the past 3 months				
	Practitio	ner in the past	3 months	(N=1,13	(N=1,130,206)			
	(N=1,135	5,846)						
Sexual Orientation (base heterosexual)								
Lesbian	0.731	[0.686,0.779]	P<0.001	0.713	[0.668,0.761]	P<0.001		
Bisexual	0.862	[0.792,0.939]	P=0.001	0.926	[0.852,1.007]	P=0.072		
Other	0.813	[0.745,0.888]	P<0.001	0.978	[0.906,1.056]	P=0.575		
Prefer not to say	0.886	[0.858,0.914]	P<0.001	0.964	[0.937,0.992]	P=0.012		
Not answered	0.994	[0.961,1.028]	P=0.709	1.044	[1.013,1.076]	P=0.005		

Logistic regression of family practitioner and nurse use in the past three months by females

Standard errors are robust to heteroskedasticity and clustered at the practice level

Estimates are odds-ratio relative to heterosexual interacted with respective practice characteristic

95% confidence intervals in brackets

Table S10 Health care professional visit in by sexual orientation among males

	Seen eit	her a Nurse and	d/or GP in	Seen a Nurse in the past 3 months			
	the past	3 months (N=914	,273)	(N=910,281)			
Sexual Orientation							
Gay	1.208	[1.152,1.267]	P<0.001	1.089	[1.031,1.149]	P=0.002	
Bisexual	1.083	[0.987,1.190]	P=0.093	1.095	[0.997,1.202]	P=0.058	
Other	0.879	[0.793,0.974]	P=0.014	1.045	[0.950,1.150]	P=0.365	
Prefer not to say	0.923	[0.891,0.957]	P<0.001	0.980	[0.945,1.017]	P=0.287	
Not answered	1.007	[0.953,1.063]	P=0.813	1.044	[0.994,1.096]	P=0.087	

Logistic regression of family practitioner and nurse use in the past three months by males

Standard errors are robust to heteroskedasticity and clustered at the practice level

Estimates are odds-ratio relative to heterosexual interacted with respective practice characteristic

95% confidence intervals in brackets

Table S11 Ordinary Least Squares regression of non-response

	Female non respor	nse (N=1,556,909)	Male non response (N=1,184,012)					
Family practitioner use								
0-3 months	0.0116***	[0.009,0.014]	0.00562***	[0.003,0.009]				
0-6 months	0.00505**	[0.002,0.008]	-0.00180	[-0.006,0.002]				
0-12 months	0.000636	[-0.003,0.004]	-0.0106***	[-0.014,-0.007]				
Sexual Orientation (bas	Sexual Orientation (base heterosexual)							
Lesbian/Gay	-0.0420***	[-0.052,-0.032]	-0.0418***	[-0.049,-0.034]				
Bisexual	-0.0147 [*]	[-0.027,-0.002]	0.0198 [*]	[0.004,0.035]				
Other	0.171***	[0.157,0.185]	0.178***	[0.161,0.195]				
Prefer not to say	0.116***	[0.111,0.121]	0.131***	[0.125,0.137]				
Not answered	0.439***	[0.436,0.443]	0.438***	[0.431,0.445]				
_cons	0.213***	[0.210,0.216]	0.206***	[0.203,0.209]				

Linear regression of individual non response

Standard errors are robust to heteroskedasticity and clustered at the practice level

95% confidence intervals in brackets p < 0.05, p < 0.01, p < 0.001