

## Supplementary material

**Supplementary Table 1:** Differences in demographics and diagnosis characteristics for those with and without diagnosis setting reported, 2010-2014

Variables		Setting of diagnosis						p value†
		Total		Reported		Missing		
		n	%*	n	%*	n	%*	
Sex	Men	42,652	67%	35,427	67%	7,225	68%	p=0.141
	Women	20,947	33%	17,496	33%	3,451	32%	
Age at diagnosis	15-24	7,206	11%	6,159	12%	1,047	9.8%	p<0.001
	25-34	22,523	35%	18,922	36%	3,601	34%	
	35-49	25,825	41%	21,349	40%	4,476	42%	
	≥50	8,045	13%	6,493	12%	1,552	15%	
Diagnosis year	2005	7,398	12%	6,438	12%	960	9.0%	p<0.001
	2006	7,037	11%	5,880	11%	1,157	11%	
	2007	6,901	11%	5,616	11%	1,285	12%	
	2008	6,811	11%	5,319	10%	1,492	14%	
	2009	6,265	9.9%	5,028	9.5%	1,237	12%	
	2010	5,994	9.4%	5,080	9.6%	914	8.6%	
	2011	5,832	9.2%	5,095	9.6%	737	6.9%	
	2012	5,897	9.3%	4,826	9.1%	1,071	10%	
	2013	5,712	9.0%	4,668	8.8%	1,044	9.8%	
2014	5,752	9.0%	4,973	9.4%	779	7.3%		
Exposure	Sex between men	26,808	44%	22,594	44%	4,214	46%	p<0.001
	Heterosexual contact	31,646	52%	27,111	53%	4,535	49%	
	Injecting drug use	1,385	2.3%	1,089	2.1%	296	3.2%	
	Other	633	1.0%	480	0.9%	153	1.7%	
	Unknown	3,127	5.2%	1,649	3.2%	1,478	16%	
Ethnicity	White	30,829	48%	26,170	49%	4,659	44%	p<0.001
	Black African	21,745	34%	18,491	35%	3,254	30%	
	Black Caribbean	2,069	3.3%	1,734	3.3%	335	3.1%	
	Asian	2,432	3.8%	2,042	3.9%	390	3.7%	
	Other	4,381	6.9%	3,422	6.5%	959	9.0%	
	Unknown	2,143	3.4%	1,064	2.0%	1,079	10%	
Diagnosed late**	No	26,118	49%	22,383	49%	3,735	50%	p=0.319
	Yes	26,647	51%	22,917	51%	3,730	50%	
PHE centre of diagnosis	East Midlands	3,088	5%	2,712	5%	376	4%	p<0.001
	East of England	4,595	7%	4,089	8%	506	5%	
	London	28,351	45%	21,615	41%	6,736	63%	
	North East	1,339	2%	1,167	2%	172	2%	
	North West	5,829	9%	5,385	10%	444	4%	
	Northern Ireland	782	1%	604	1%	178	2%	
	South East	6,795	11%	5,774	11%	1,021	10%	
	South West	2,903	5%	2,563	5%	340	3%	
	Wales	1,465	2%	1,300	2%	165	2%	
	West Midlands	4,548	7%	4,193	8%	355	3%	
Yorkshire and Humber	3,904	6%	3,521	7%	383	4%		

\* Proportions may not add up to 100% due to rounding

\*\* Where CD4 data reported (n=52,765; 83%)

†  $\chi^2$  test for a difference in proportions

**Supplementary Table 2:** Trends in setting of HIV diagnosis over time where known among all people diagnosed with HIV, men who have sex with men (MSM), black African women and black African men: England, Wales & Northern Ireland, 2005-2014

Population	Setting of diagnosis	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Overall	SHC	4,658	4,200	4,001	3,626	3,407	3,444	3,466	3,198	3,214	3,406
	Antenatal service	481	447	402	326	317	271	229	188	134	137
	GP	251	281	286	342	340	379	388	376	357	403
	MA/A&E	485	362	382	422	450	492	521	497	473	462
	Outpatient	177	136	122	175	168	180	217	270	195	238
	ID unit	147	276	224	178	159	115	82	88	76	89
	Other	239	178	199	250	187	199	192	209	219	238
	Unknown	960	1,157	1,285	1,492	1,237	914	737	1,071	1,044	779
	Total	7,398	7,037	6,901	6,811	6,265	5,994	5,832	5,897	5,712	5,752
MSM	SHC	1,849	1,714	1,783	1,575	1,685	1,812	1,926	1,981	2,007	2,105
	GP	53	79	77	92	103	121	146	141	128	164
	MA/A&E	99	78	104	126	123	136	160	172	158	164
	Outpatient service	38	25	27	39	43	53	61	78	67	86
	ID unit	45	73	58	39	50	27	22	28	21	29
	Other	75	64	87	61	58	80	72	88	112	127
	Unknown	332	454	532	594	561	373	310	424	400	234
	Total	2,491	2,487	2,668	2,526	2,623	2,602	2,697	2,912	2,893	2,909
Black African men	SHC	788	650	597	505	419	404	384	291	280	252
	GP	55	45	59	65	49	63	63	56	51	47
	MA/A&E	110	79	64	65	81	74	73	51	52	54
	Outpatient service	30	31	28	35	29	27	34	37	15	26
	ID unit	29	60	47	38	26	21	13	15	7	10
	Other	44	26	25	51	24	27	20	26	15	14
	Unknown	169	164	186	158	134	80	82	123	73	71
	Total	1,225	1,055	1,006	917	762	696	669	599	493	474
Black African women	SHC	1,280	1,101	874	807	596	551	459	378	303	279
	Antenatal service	391	345	315	235	227	186	168	107	78	77
	GP	102	95	92	93	112	86	79	75	64	74
	MA/A&E	153	107	102	100	91	103	100	96	61	67
	Outpatient service	70	53	36	48	40	45	57	59	35	37
	ID unit	39	96	68	52	38	28	24	16	11	17
	Other	54	32	46	53	36	29	20	30	28	29
	Unknown	266	292	256	344	195	150	120	168	130	93
Total	2,355	2,121	1,789	1,732	1,335	1,178	1,027	929	710	673	

*MSM: men who have sex with men*

*SHC: sexual health clinic*

*MA/A&E: medical admissions and accident & emergency*

*ID unit: infectious disease unit*

*GP: general practice*

**Supplementary Table 3:** Setting of HIV diagnosis by population group: England, Wales & Northern Ireland, 2011-2014

	SHC	Antenatal service	GP	MA/A&E	Outpatient service	ID unit	Other	Total
All	13,284	688	1,524	1,953	920	335	858	19,562
Men	10,646	0	1,060	1,389	583	214	638	14,530
Women	2,638	688	464	564	337	121	220	5,032
Non-pregnant women	2,638	0	464	564	337	121	220	4,344
White	8,150	135	703	1,030	443	162	522	11,145
Black African	2,626	430	509	554	300	113	182	4,714
Black Caribbean	357	13	54	65	31	10	29	559
Asian	741	39	70	96	53	26	27	1,052
MSM	8,019	0	579	654	292	100	399	10,043
Heterosexuals	4,415	632	805	1,061	536	200	358	8,007
PWID	180	6	36	54	18	13	52	359
Aged 15-49	11,664	685	1,203	1,358	695	271	713	16,589
Aged ≥50	1,620	3	321	595	225	64	145	2,973
CD4 <350 at diagnosis	4,209	292	731	1,364	123	58	345	7,122
CD4 ≥350 at diagnosis	7,573	282	591	355	272	106	368	9,547

*MSM: men who have sex with men*

*PWID: people who inject drugs*

*SHC: sexual health clinic*

*MA/A&E: medical admissions and accident & emergency*

*ID unit: infectious disease unit*

*GP: general practice*