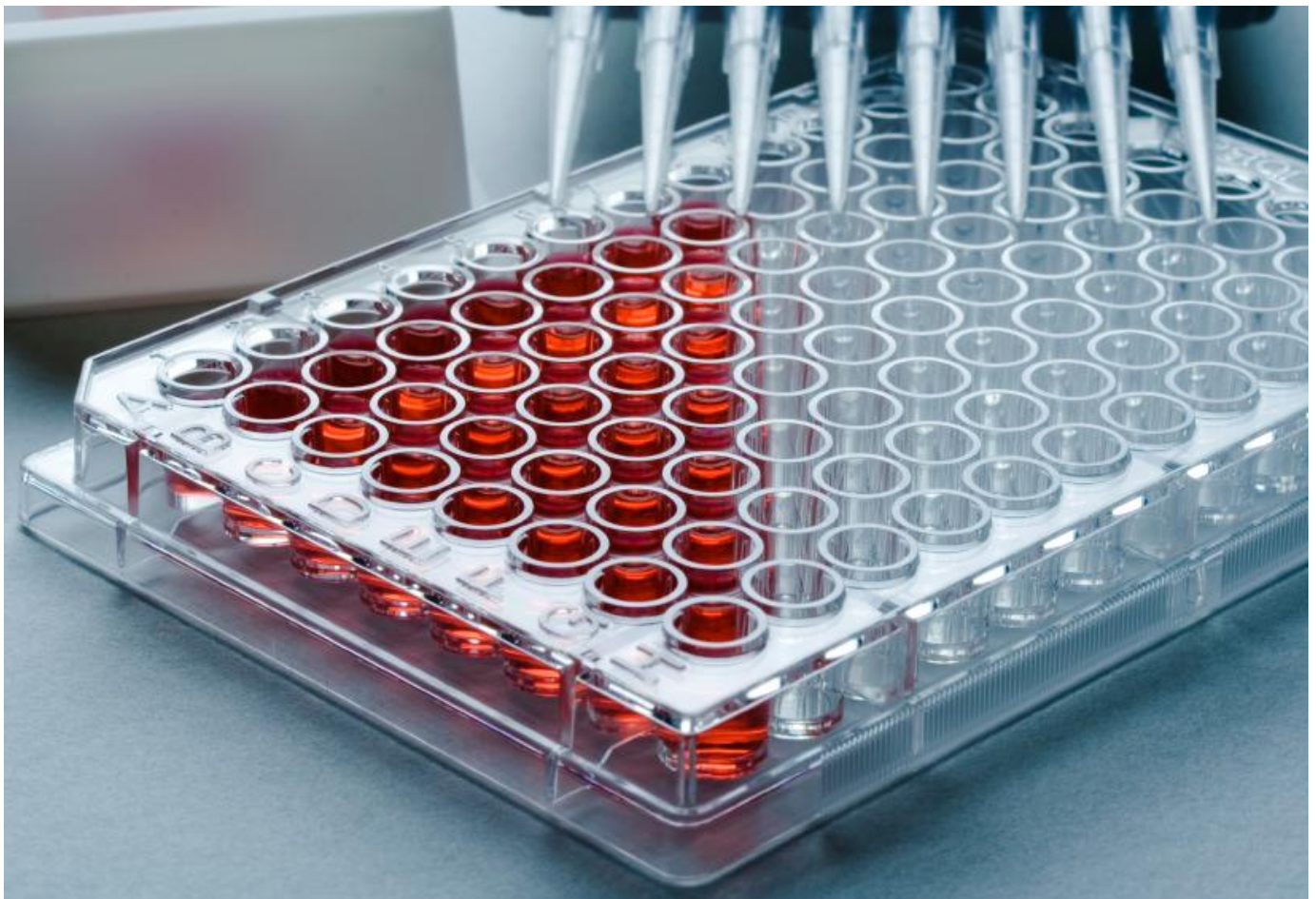




Annual Review 2011: Supplementary tables

Health Protection Agency, Health Protection Services Sentinel Surveillance of Blood-Borne Virus testing (SBV) in England, Supplementary tables for the annual review 2011.



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1 Hepatitis A

1.1 Trends in testing among ethnic groups

Table S 1. Trends in individuals tested and testing positive for anti-HAV by ethnic group[§] (trend centres 2008-2011)*

	2008	2009	2010	2011	Total
Asian or Asian British					
Number tested (% known)	4,191 (13.3)	4,458 (14.1)	4,186 (13.7)	3,486 (12.8)	16,321 (13.5)
Number males (% known)	2,447 (59.5)	2,666 (61.0)	2,561 (62.2)	2,176 (62.9)	9,850 (61.3)
Median age in years (IQR)	35.4 (21.6)	35.9 (20.7)	36.3 (21.8)	36.4 (22.7)	36.0 (21.7)
Number positive (%)	51 (29.8)	48 (26.1)	43 (25.3)	32 (30.2)	174 (27.6)
% positive	1.2	1.1	1.0	0.9	1.1
Number males (% known)	24 (47.1)	30 (65.2)	25 (61.0)	15 (48.4)	94 (55.6)
Median age in years (IQR)	19.8 (23.6)	32.2 (24.4)	12.2 (26.1)	24.7 (27.0)	21.0 (25.2)
Black or black British					
Number tested (% known)	582 (1.9)	562 (1.8)	533 (1.7)	482 (1.8)	2,159 (1.8)
Number males (% known)	290 (50.4)	258 (47.3)	283 (53.9)	249 (52.2)	1,080 (50.9)
Median age in years (IQR)	35.2 (17.1)	36.1 (18.6)	36.1 (19.7)	36.8 (19.4)	36.1 (18.7)
Number positive (%)	2 (1.2)	4 (2.2)	2 (1.2)	4 (3.8)	12 (1.9)
% positive	0.3	0.7	0.4	0.8	0.6
Number males (% known)	(0.0)	2 (66.7)	2 (100.0)	2 (50.0)	6 (54.5)
Median age in years (IQR)	14.5 (17.7)	19.5 (18.8)	45.6 (20.7)	20.2 (21.0)	20.2 (19.1)
Other and/or mixed					
Number tested (% known)	910 (2.9)	935 (3.0)	922 (3.0)	793 (2.9)	3,560 (2.9)
Number males (% known)	455 (51.4)	482 (52.6)	441 (48.9)	412 (52.3)	1,790 (51.2)
Median age in years (IQR)	36.2 (21.7)	35.4 (20.8)	36.0 (20.1)	36.1 (21.0)	35.9 (20.8)
Number positive (%)	3 (1.8)	8 (4.3)	4 (2.4)	2 (1.9)	17 (2.7)
% positive	0.3	0.9	0.4	0.3	0.5
Number males (% known)	(0.0)	3 (37.5)	2 (50.0)	(0.0)	5 (29.4)
Median age in years (IQR)	34.4 (20.9)	44.5 (22.2)	5.3 (20.0)	32.0 (22.7)	29.4 (22.1)
White or white British					
Number tested (% known)	25,716 (81.9)	25,616 (81.1)	24,989 (81.6)	22,498 (82.5)	98,819 (81.8)
Number males (% known)	14,003 (54.7)	13,742 (53.9)	13,582 (54.6)	12,429 (55.4)	53,756 (54.6)
Median age in years (IQR)	46.8 (27.8)	47.6 (28.3)	47.9 (29.1)	48.1 (29.9)	47.6 (28.7)
Number positive (%)	115 (67.3)	124 (67.4)	121 (71.2)	68 (64.2)	428 (67.8)
% positive	0.4	0.5	0.5	0.3	0.4
Number males (% known)	72 (62.6)	61 (50.0)	76 (63.3)	38 (55.9)	247 (58.1)
Median age in years (IQR)	55.2 (29.9)	44.6 (30.6)	51.7 (31.0)	50.8 (31.2)	51.2 (30.7)
Unknown					
Number tested	678	629	625	836	2,768
Number males (% known)	431 (65.5)	407 (67.6)	374 (62.5)	503 (62.9)	1,715 (64.5)
Median age in years (IQR)	34.0 (16.7)	33.9 (17.3)	33.2 (16.8)	35.7 (20.0)	34.2 (17.6)
Number positive	6	8	6	9	29
% positive	0.9	1.3	1.0	1.1	1.0
Number males (% known)	4 (80.0)	4 (57.1)	3 (75.0)	3 (42.9)	14 (60.9)
Median age in years (IQR)	28.8 (15.2)	22.6 (18.6)	45.6 (17.3)	28.6 (22.1)	28.8 (17.8)

[§] See Appendix 1 for methods.

* At the 22 centres for which full data were available 2008-2011. Excludes reference testing and testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

1.2 Trends in testing by service type

Table S 2. Trends in individuals tested and testing positive for anti-HAV by service type (trend centres 2008-2011)*

Service type	2008		2009		2010		2011		Total	
	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)
Primary care										
Accident and emergency	707	10 (1.4)	686	12 (1.7)	700	11 (1.6)	721	9 (1.2)	2,814	42 (1.5)
Drug dependency services	211	0 (0.0)	243	0 (0.0)	195	1 (0.5)	77	0 (0.0)	726	1 (0.1)
General practitioner	16,715	69 (0.4)	16,953	93 (0.5)	16,993	79 (0.5)	14,917	47 (0.3)	65,578	288 (0.4)
GUM clinic	750	5 (0.7)	607	2 (0.3)	548	2 (0.4)	353	2 (0.6)	2,258	11 (0.5)
Occupational health	168	2 (1.2)	112	2 (1.8)	84	4 (4.8)	41	0 (0.0)	405	8 (2.0)
Prison services	481	0 (0.0)	420	1 (0.2)	576	1 (0.2)	870	0 (0.0)	2,347	2 (0.1)
Total primary care	19,032	86 (0.5)	19,021	110 (0.6)	19,096	98 (0.5)	16,979	58 (0.3)	74,128	352 (0.5)
Secondary care										
Antenatal	735	3 (0.4)	663	2 (0.3)	569	0 (0.0)	405	0 (0.0)	2,372	5 (0.2)
Fertility services	126	1 (0.8)	84	1 (1.2)	41	0 (0.0)	27	0 (0.0)	278	2 (0.7)
General medical/ surgical	3,108	29 (0.9)	3,174	23 (0.7)	2,792	9 (0.3)	2,501	14 (0.6)	11,575	75 (0.6)
Obstetrics & gynaecology	360	0 (0.0)	381	0 (0.0)	293	2 (0.7)	208	2 (1.0)	1,242	4 (0.3)
Other ward (known type) [†]	5,396	34 (0.6)	5,782	23 (0.4)	5,403	29 (0.5)	5,150	17 (0.3)	21,731	103 (0.5)
Paediatric services	793	16 (2.0)	691	19 (2.7)	750	21 (2.8)	768	9 (1.2)	3,002	65 (2.2)
Renal units	630	0 (0.0)	577	1 (0.2)	487	1 (0.2)	301	1 (0.3)	1,995	3 (0.2)
Specialist HIV services	109	0 (0.0)	88	0 (0.0)	60	0 (0.0)	68	1 (1.5)	325	1 (0.3)
Specialist liver services [‡]	1,310	8 (0.6)	1,109	8 (0.7)	1,036	13 (1.3)	984	4 (0.4)	4,439	33 (0.7)
Unspecified ward [§]	284	0 (0.0)	319	4 (1.3)	314	2 (0.6)	256	9 (3.5)	1,173	15 (1.3)
Total secondary care	12,851	91 (0.7)	12,868	81 (0.6)	11,745	77 (0.7)	10,668	57 (0.5)	48,132	306 (0.6)
Unknown services										
Unknown service type	194	0 (0.0)	311	1 (0.3)	414	1 (0.2)	448	0 (0.0)	1,367	2 (0.1)
Total	32,077	177 (0.6)	32,200	192 (0.6)	31,255	176 (0.6)	28,095	115 (0.4)	123,627	660 (0.5)

* At the 22 centres for which full data were available 2008-2011. Excludes reference testing and testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

[†]This refers to all other hospital services not specified here: for example, it may include respiratory medicine, orthopaedics, care of the elderly, dermatology or cardiology departments.

[‡] This refers to infectious disease services, hepatology departments and gastroenterology departments.

[§] These are hospital services which are currently being investigated to identify specific service type, and may include any of the secondary care services mentioned above.

[#] These services are currently being investigated to identify specific service type, where possible.

2 Hepatitis E

2.1 Trends in testing among ethnic groups

Table S 3. Trends in individuals tested and testing positive for anti-HEV by ethnic group[§] (trend centres 2008-2011)*

	2008	2009	2010	2011	Total
Asian or Asian British					
Number tested (% known)	693 (17.3)	674 (16.2)	664 (16.8)	744 (16.9)	2,775 (16.8)
Number males (% known)	356 (57.2)	371 (59.4)	376 (60.2)	396 (55.6)	1,499 (58.0)
Median age in years (IQR)	35.0 (15.8)	33.3 (14.8)	34.5 (15.9)	34.6 (18.3)	34.4 (17.1)
Number positive (%)	80 (30.3)	89 (28.6)	85 (32.9)	120 (33.3)	374 (31.3)
% positive	11.5	13.2	12.8	16.1	13.5
Number males (% known)	43 (62.3)	53 (67.1)	50 (61.0)	62 (56.4)	208 (61.2)
Median age in years (IQR)	37.1 (9.0)	37.0 (12.1)	33.8 (15.6)	45.9 (15.7)	38.4 (12.3)
Black or black British					
Number tested (% known)	55 (1.4)	74 (1.8)	60 (1.5)	70 (1.6)	259 (1.6)
Number males (% known)	24 (44.4)	38 (52.1)	29 (51.8)	30 (44.8)	121 (48.4)
Median age in years (IQR)	33.1 (11.8)	33.5 (10.5)	35.6 (12.4)	36.2 (13.1)	34.3 (12.1)
Number positive (%)	2 (0.8)	4 (1.3)	(0.0)	2 (0.6)	8 (0.7)
% positive	3.6	5.4	0.0	2.9	3.1
Number males (% known)	1 (50.0)	2 (50.0)	(0.0)	2 (0.0)	5 (62.5)
Median age in years (IQR)	40.3 (21.6)	33.5 (6.5)	32.1 (7.7)	41.3 (22.4)	33.5 (14.3)
Other and/or mixed					
Number tested (% known)	76 (1.9)	118 (2.8)	106 (2.7)	153 (3.5)	453 (2.7)
Number males (% known)	30 (46.9)	53 (48.2)	59 (59.0)	89 (59.3)	231 (54.5)
Median age in years (IQR)	33.4 (14.2)	33.3 (14.7)	34.1 (15.6)	33.3 (15.5)	33.5 (15.1)
Number positive (%)	4 (1.5)	10 (3.2)	4 (1.6)	5 (1.4)	23 (1.9)
% positive	5.3	8.5	3.8	3.3	5.1
Number males (% known)	1 (33.3)	4 (40.0)	3 (75.0)	3 (75.0)	11 (52.4)
Median age in years (IQR)	32.0 (13.7)	43.6 (30.1)	40.8 (27.0)	29.6 (24.0)	29.6 (26.9)
White or white British					
Number tested (% known)	3,177 (79.4)	3,289 (79.2)	3,134 (79.1)	3,428 (78.0)	13,028 (78.9)
Number males (% known)	1,558 (51.9)	1,694 (52.9)	1,601 (53.7)	1,745 (51.9)	6,598 (52.6)
Median age in years (IQR)	37.7 (18.4)	37.1 (19.1)	35.9 (17.9)	36.2 (18.8)	36.7 (18.8)
Number positive (%)	178 (67.4)	208 (66.9)	169 (65.5)	233 (64.7)	788 (66.1)
% positive	5.6	6.3	5.4	6.8	6.0
Number males (% known)	105 (62.9)	112 (57.1)	111 (68.5)	144 (62.1)	472 (62.4)
Median age in years (IQR)	32.4 (16.5)	37.0 (20.4)	35.9 (17.0)	38.1 (25.0)	36.4 (18.7)
Unknown					
Number tested	137	137	228	310	812
Number males (% known)	61 (56.5)	69 (67.0)	134 (74.0)	125 (66.1)	389 (67.0)
Median age in years (IQR)	32.9 (13.9)	32.2 (15.0)	34.7 (15.1)	34.5 (13.4)	34.0 (14.1)
Number positive	12	7	17	11	47
% positive	8.8	5.1	7.5	3.5	5.8
Number males (% known)	4 (44.4)	4 (66.7)	8 (80.0)	7 (87.5)	23 (69.7)
Median age in years (IQR)	34.9 (15.8)	37.7 (10.4)	34.8 (11.2)	33.7 (9.1)	35.4 (10.3)

[§] See Appendix 1 for methods.

* At the seven centres for which full data were available 2008-2011. Includes testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

2.2 Trends in testing by service type

Table S 4. Trends in individuals tested and testing positive for anti-HEV by service type (trend centres 2008-2011)*

Service type	2008		2009		2010		2011		Total	
	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)
Primary care										
Accident and emergency	62	10 (16.1)	67	8 (11.9)	78	8 (10.3)	87	8 (9.2)	294	34 (11.6)
General practitioner	199	22 (11.1)	234	27 (11.5)	224	20 (8.9)	219	19 (8.7)	876	88 (10.0)
Other primary care service	100	1 (1.0)	67	2 (3.0)	66	0 (0.0)	86	2 (2.3)	319	5 (1.6)
Total primary care	361	33 (9.1)	368	37 (10.1)	368	28 (7.6)	392	29 (7.4)	1,489	127 (8.5)
Secondary care										
General medical/ surgical	128	6 (4.7)	155	16 (10.3)	160	9 (5.6)	178	18 (10.1)	621	49 (7.9)
Other ward (known type) [†]	328	13 (4.0)	362	15 (4.1)	332	17 (5.1)	361	20 (5.5)	1,383	65 (4.7)
Paediatric services	15	1 (6.7)	20	3 (15.0)	36	2 (5.6)	50	1 (2.0)	121	7 (5.8)
Specialist infectious disease services [‡]	122	14 (11.5)	115	12 (10.4)	110	6 (5.5)	131	7 (5.3)	478	39 (8.2)
Unspecified ward [§]	33	1 (3.0)	101	7 (6.9)	130	11 (8.5)	148	12 (8.1)	412	31 (7.5)
Total secondary care	626	35 (5.6)	753	53 (7.0)	768	45 (5.9)	868	58 (6.7)	3,015	191 (6.3)
Unknown services										
Hospitals referring all samples	3,145	208 (6.6)	3,159	218 (6.9)	3,045	201 (6.6)	3,441	284 (8.3)	12,790	911 (7.1)
Unknown service type	6	0 (0.0)	12	0 (0.0)	11	1 (9.1)	4	0 (0.0)	33	1 (3.0)
Total	4,138	276 (6.7)	4,292	308 (7.2)	4,192	275 (6.6)	4,705	371 (7.9)	17,327	1,230 (7.1)

* At the seven centres for which full data were available 2008-2011. Includes testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

[†]This refers to all other hospital services not specified here: for example, it may include respiratory medicine, orthopaedics, care of the elderly, dermatology or cardiology departments.

[‡] This refers to infectious disease services, hepatology departments and gastroenterology departments.

[§] These are hospital services which are currently being investigated to identify specific service type, and may include any of the secondary care services mentioned above.

[#] These services are currently being investigated to identify specific service type, where possible.

3 Hepatitis B

3.1 Trends in testing among ethnic groups

Table S 5. Trends in individuals tested and testing positive for HbsAg by ethnic group[§] (excluding antenatal screening trend centres 2008-2011)*

	2008	2009	2010	2011	Total
Asian or Asian British					
Number tested (% known)	21,102 (14.2)	21,374 (14.7)	21,438 (15.2)	20,860 (15.5)	84,774 (14.9)
Number males (% known)	10,246 (49.7)	10,821 (51.8)	11,217 (53.3)	11,203 (54.3)	43,487 (52.3)
Median age in years (IQR)	32.3 (17.3)	32.3 (17.4)	32.8 (17.7)	32.9 (17.9)	32.6 (17.6)
Number positive (%)	647 (24.1)	589 (24.5)	532 (24.4)	567 (25.9)	2,335 (24.7)
% positive	3.1	2.8	2.5	2.7	2.8
Number males (% known)	416 (65.2)	422 (73.3)	380 (72.1)	424 (75.6)	1,642 (71.3)
Median age in years (IQR)	35.4 (17.4)	34.1 (18.1)	34.1 (17.0)	32.7 (18.3)	34.1 (17.8)
Black or black British					
Number tested (% known)	4,119 (2.8)	4,134 (2.8)	3,842 (2.7)	3,776 (2.8)	15,871 (2.8)
Number males (% known)	1,688 (42.2)	1,778 (44.1)	1,767 (46.8)	1,857 (49.7)	7,090 (45.6)
Median age in years (IQR)	33.6 (15.9)	33.8 (16.2)	34.5 (17.4)	34.5 (17.5)	34.1 (16.7)
Number positive (%)	284 (10.6)	282 (11.7)	267 (12.3)	267 (12.2)	1,100 (11.6)
% positive	6.9	6.8	6.9	7.1	6.9
Number males (% known)	156 (56.1)	168 (60.6)	169 (65.0)	185 (71.2)	678 (63.1)
Median age in years (IQR)	34.7 (15.0)	36.0 (13.2)	36.8 (15.8)	36.0 (16.1)	35.8 (15.1)
Other and/or mixed					
Number tested (% known)	5,965 (4.0)	5,988 (4.1)	5,990 (4.2)	5,622 (4.2)	23,565 (4.1)
Number males (% known)	2,480 (42.9)	2,454 (42.0)	2,607 (44.4)	2,514 (45.3)	10,055 (43.6)
Median age in years (IQR)	32.1 (15.5)	31.9 (15.8)	32.2 (15.8)	32.5 (16.7)	32.2 (15.9)
Number positive (%)	560 (20.9)	511 (21.3)	497 (22.8)	521 (23.8)	2,089 (22.1)
% positive	9.4	8.5	8.3	9.3	8.9
Number males (% known)	278 (51.7)	271 (54.2)	275 (56.6)	321 (62.6)	1,145 (56.2)
Median age in years (IQR)	33.7 (16.3)	32.7 (14.6)	34.1 (16.5)	33.9 (14.8)	33.7 (15.6)
White or white British					
Number tested (% known)	117,252 (79.0)	114,091 (78.4)	110,090 (77.9)	104,104 (77.5)	445,537 (78.2)
Number males (% known)	55,838 (48.0)	54,812 (48.4)	54,140 (49.5)	52,483 (50.7)	217,273 (49.1)
Median age in years (IQR)	38.4 (25.7)	38.6 (25.8)	39.0 (26.6)	39.4 (27.1)	38.8 (26.3)
Number positive (%)	1,189 (44.4)	1,019 (42.4)	883 (40.5)	836 (38.2)	3,927 (41.6)
% positive	1.0	0.9	0.8	0.8	0.9
Number males (% known)	767 (65.3)	602 (60.0)	553 (63.6)	535 (64.7)	2,457 (63.4)
Median age in years (IQR)	38.3 (20.2)	37.4 (20.3)	37.0 (18.6)	36.7 (18.7)	37.3 (19.7)
Unknown					
Number tested	48,690	52,062	48,347	49,763	198,862
Number males (% known)	27,237 (57.4)	28,955 (57.4)	28,042 (60.2)	29,142 (60.8)	113,376 (58.9)
Median age in years (IQR)	27.9 (14.6)	28.1 (14.4)	28.7 (14.3)	29.5 (14.5)	28.6 (14.5)
Number positive	752	748	731	856	3,087
% positive	1.5	1.4	1.5	1.7	1.6
Number males (% known)	504 (68.9)	522 (71.5)	497 (70.1)	594 (70.9)	2,117 (70.4)
Median age in years (IQR)	32.1 (13.7)	31.8 (13.2)	32.5 (12.5)	32.4 (13.4)	32.2 (13.1)

[§] See Appendix 1 for methods.

* At the 22 centres for which full data were available 2008-2011. Excludes routine antenatal screening, reference testing and testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

3.2 Trends in antenatal screening by ethnic group

Table S 6. Trends women undergoing routine antenatal screening and testing positive for HbsAg by ethnic group[§] (trend centres 2008-2011)*

	2008	2009	2010	2011	Total
Asian or Asian British					
Number screened (% known)	8,037 (11.9)	7,415 (12.0)	7,422 (12.0)	10,867 (15.1)	33,741 (12.8)
Median age in years (IQR)	27.9 (7.8)	28.2 (8.0)	28.1 (7.7)	28.3 (7.6)	28.1 (7.7)
Number positive (% known)	71 (18.8)	65 (19.2)	40 (12.0)	66 (20.4)	242 (17.7)
% positive	0.9	0.9	0.5	0.6	0.7
Median age in years (IQR)	28.5 (8.3)	28.3 (8.6)	29.1 (10.0)	28.4 (8.9)	28.4 (8.6)
Number tested for HBeAg (% HBsAg pos)	67 (94.4)	62 (95.4)	36 (90.0)	63 (95.5)	228 (94.2)
Number HBeAg positive (% pos)	4 (6.0)	4 (6.5)	2 (5.6)	9 (14.3)	19 (8.3)
Black or black British					
Number screened (% known)	1,725 (2.6)	1,601 (2.6)	1,588 (2.6)	1,687 (2.3)	6,601 (2.5)
Median age in years (IQR)	29.3 (8.1)	29.2 (7.7)	29.5 (7.8)	29.3 (7.5)	29.3 (7.8)
Number positive (% known)	65 (17.2)	49 (14.5)	60 (18.1)	33 (10.2)	207 (15.1)
% positive	3.8	3.1	3.8	2.0	3.1
Median age in years (IQR)	28.9 (8.1)	29.9 (7.5)	29.4 (6.9)	28.8 (7.9)	29.5 (8.3)
Number tested for HBeAg (% HBsAg pos)	64 (98.5)	48 (98.0)	60 (100.0)	32 (97.0)	204 (98.6)
Number HBeAg positive (% pos)	2 (3.1)	2 (4.2)	3 (5.0)	2 (6.3)	9 (4.4)
Other and/or mixed					
Number screened (% known)	2,322 (3.5)	2,365 (3.8)	2,473 (4.0)	2,629 (3.7)	9,789 (3.7)
Median age in years (IQR)	29.5 (19.9)	29.3 (18.5)	29.5 (19.8)	29.6 (19.5)	29.5 (19.6)
Number positive (% known)	102 (27.1)	99 (29.3)	93 (28.0)	79 (24.5)	373 (27.2)
% positive	4.4	4.2	3.8	3.0	3.8
Median age in years (IQR)	26.6 (9.0)	26.2 (6.9)	27.1 (6.4)	26.9 (8.2)	26.8 (8.2)
Number tested for HBeAg (% HBsAg pos)	101 (99.0)	94 (94.9)	89 (95.7)	78 (98.7)	362 (97.1)
Number HBeAg positive (% pos)	35 (34.7)	24 (25.5)	31 (34.8)	21 (26.9)	111 (30.7)
White or white British					
Number screened (% known)	55,180 (82.0)	50,411 (81.6)	50,375 (81.4)	56,768 (78.9)	212,734 (80.9)
Median age in years (IQR)	29.1 (9.6)	29.1 (9.4)	29.1 (9.2)	29.1 (9.1)	29.1 (9.3)
Number positive (% known)	139 (36.9)	125 (37.0)	139 (41.9)	145 (44.9)	548 (40.0)
% positive	0.3	0.2	0.3	0.3	0.3
Median age in years (IQR)	28.0 (8.3)	28.4 (8.7)	27.8 (8.4)	29.0 (8.6)	28.2 (8.6)
Number tested for HBeAg (% HBsAg pos)	130 (93.5)	117 (93.6)	128 (92.1)	108 (74.5)	483 (88.1)
Number HBeAg positive (% pos)	13 (10.0)	8 (6.8)	11 (8.6)	8 (7.4)	40 (8.3)
Unknown					
Number screened (% known)	524	623	676	1,339	3,162
Median age in years (IQR)	28.6 (7.5)	28.7 (7.8)	28.4 (8.0)	29.0 (7.9)	28.7 (7.9)
Number positive (% known)	13	30	15	17	75
% positive	2.5	4.8	2.2	1.3	2.4
Median age in years (IQR)	29.2 (5.0)	27.6 (9.8)	22.5 (9.6)	31.9 (11.7)	28.0 (10.5)
Number tested for HBeAg (% HBsAg pos)	13 (100.0)	28 (93.3)	15 (100.0)	15 (88.2)	71 (94.7)
Number HBeAg positive (% pos)	2 (15.4)	5 (17.9)	2 (13.3)	1 (6.7)	10 (14.1)

[§] See Appendix 1 for methods.

* At the 22 centres for which full data were available 2008-2011. Includes routine antenatal screening of woman aged 12-49 years old. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

3.3 Trends in testing by service type

Table S 7. Trends in individuals tested and testing positive for HBsAg by service type (excluding antenatal screening, trend centres 2008-2011)*

Service type	2008		2009		2010		2011		Total	
	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)
Primary care										
Accident and emergency	1,694	49 (2.9)	1,741	40 (2.3)	1,807	23 (1.3)	1,966	47 (2.4)	7,208	159 (2.2)
Drug dependency services	1,629	17 (1.0)	2,041	20 (1.0)	2,018	22 (1.1)	1,837	18 (1.0)	7,525	77 (1.0)
General practitioner	56,863	1,152 (2.0)	56,689	1,213 (2.1)	56,169	1,159 (2.1)	54,860	1,181 (2.2)	224,581	4,705 (2.1)
GUM clinic	51,958	811 (1.6)	51,610	708 (1.4)	47,968	729 (1.5)	44,399	775 (1.7)	195,935	3,023 (1.5)
Occupational health	18,188	108 (0.6)	17,738	115 (0.6)	14,300	75 (0.5)	12,858	48 (0.4)	63,084	346 (0.5)
Prison services	2,434	38 (1.6)	3,010	42 (1.4)	2,851	28 (1.0)	3,507	51 (1.5)	11,802	159 (1.3)
Total primary care	132,766	2,175 (1.6)	132,829	2,138 (1.6)	125,113	2,036 (1.6)	119,427	2,120 (1.8)	510,135	8,469 (1.7)
Secondary care										
Fertility services	9,753	77 (0.8)	8,875	51 (0.6)	8,838	59 (0.7)	8,762	40 (0.5)	36,228	227 (0.6)
General medical/ surgical	6,714	164 (2.4)	6,718	130 (1.9)	6,515	77 (1.2)	6,825	100 (1.5)	26,772	471 (1.8)
Obstetrics & gynaecology	4,517	60 (1.3)	4,603	38 (0.8)	5,132	45 (0.9)	4,357	38 (0.9)	18,609	181 (1.0)
Other ward (known type) [†]	27,020	663 (2.5)	28,403	503 (1.8)	27,203	438 (1.6)	27,838	457 (1.6)	110,464	2,061 (1.9)
Paediatric services	2,285	11 (0.5)	2,424	22 (0.9)	2,642	20 (0.8)	2,770	21 (0.8)	10,121	74 (0.7)
Renal units	6,943	55 (0.8)	5,813	49 (0.8)	5,918	46 (0.8)	5,383	33 (0.6)	24,057	183 (0.8)
Specialist HIV services	480	16 (3.3)	324	10 (3.1)	377	16 (4.2)	312	16 (5.1)	1,493	58 (3.9)
Specialist liver services [‡]	4,205	187 (4.4)	4,270	157 (3.7)	4,527	133 (2.9)	4,740	130 (2.7)	17,742	607 (3.4)
Unspecified ward [§]	1,342	15 (1.1)	1,640	21 (1.3)	1,788	18 (1.0)	2,061	76 (3.7)	6,831	130 (1.9)
Total secondary care	63,259	1,248 (2.0)	63,070	981 (1.6)	62,940	852 (1.4)	63,048	911 (1.4)	252,317	3,992 (1.6)
Unknown services										
Unknown service type	1,103	9 (0.8)	1,750	30 (1.7)	1,654	22 (1.3)	1,650	16 (1.0)	6,157	77 (1.3)
Total	197,128	3,432 (1.7)	197,649	3,149 (1.6)	189,707	2,910 (1.5)	184,125	3,047 (1.7)	768,609	12,538 (1.6)

* At the 22 centres for which full data were available 2008-2011. Excludes routine antenatal screening, reference testing and testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

[†] This refers to all other hospital services not specified here: for example, it may include respiratory medicine, orthopaedics, care of the elderly, dermatology or cardiology departments.

[‡] This refers to infectious disease services, hepatology departments and gastroenterology departments.

[§] These are hospital services which are currently being investigated to identify specific service type, and may include any of the secondary care services mentioned above.

[#] These services are currently being investigated to identify specific service type, where possible.

4 Hepatitis D

4.1 Trends in testing among ethnic groups

Table S 8. Trends in individuals tested and testing positive for HDV TA and/or HDV IgM by ethnic group[§] (trend centres 2008-2011)*

	2008	2009	2010	2011	Total
Asian or Asian British					
Number tested (% known)	295 (21.3)	313 (19.4)	355 (20.3)	355 (20.3)	1,318 (20.3)
Number males (% known)	161 (60.3)	183 (63.5)	208 (63.2)	220 (63.4)	772 (62.7)
Median age in years (IQR)	35.0 (15.8)	33.3 (14.8)	34.5 (15.9)	34.6 (18.3)	34.4 (17.1)
Number positive (%)	32 (50.0)	28 (42.4)	35 (50.0)	22 (40.7)	117 (46.1)
% positive	10.8	8.9	9.9	6.2	8.9
Number males (% known)	12 (75.0)	10 (52.6)	6 (37.5)	13 (72.2)	41 (59.4)
Median age in years (IQR)	37.1 (9.0)	37.0 (12.1)	33.8 (15.6)	45.9 (15.7)	38.4 (12.3)
Black or black British					
Number tested (% known)	138 (10.0)	201 (12.4)	206 (11.8)	205 (11.7)	750 (11.5)
Number males (% known)	53 (41.7)	100 (52.4)	108 (55.1)	112 (56.3)	373 (52.3)
Median age in years (IQR)	33.1 (11.8)	33.5 (10.5)	35.6 (12.4)	36.2 (13.1)	34.3 (12.1)
Number positive (%)	19 (29.7)	20 (30.3)	17 (24.3)	18 (33.3)	74 (29.1)
% positive	13.8	10.0	8.3	8.8	9.9
Number males (% known)	2 (33.3)	3 (60.0)	7 (77.8)	2 (50.0)	14 (58.3)
Median age in years (IQR)	40.3 (21.6)	33.5 (6.5)	32.1 (7.7)	41.3 (22.4)	33.5 (14.3)
Other and/or mixed					
Number tested (% known)	279 (20.1)	316 (19.6)	409 (23.4)	451 (25.8)	1,455 (22.4)
Number males (% known)	119 (47.0)	142 (48.8)	198 (51.3)	240 (54.2)	699 (50.9)
Median age in years (IQR)	33.4 (14.2)	33.3 (14.7)	34.1 (15.6)	33.3 (15.5)	33.5 (15.1)
Number positive (%)	7 (10.9)	7 (10.6)	9 (12.9)	4 (7.4)	27 (10.6)
% positive	2.5	2.2	2.2	0.9	1.9
Number males (% known)	3 (50.0)	6 (60.0)	4 (44.4)	5 (55.6)	18 (52.9)
Median age in years (IQR)	32.0 (13.7)	43.6 (30.1)	40.8 (27.0)	29.6 (24.0)	29.6 (26.9)
White or white British					
Number tested (% known)	673 (48.6)	786 (48.6)	779 (44.5)	739 (42.2)	2,977 (45.8)
Number males (% known)	365 (56.8)	406 (53.4)	422 (55.5)	384 (52.4)	1,577 (54.4)
Median age in years (IQR)	37.7 (18.4)	37.1 (19.1)	35.9 (17.9)	36.2 (18.8)	36.7 (18.8)
Number positive (%)	6 (9.4)	11 (16.7)	9 (12.9)	10 (18.5)	36 (14.2)
% positive	0.9	1.4	1.2	1.4	1.2
Number males (% known)	14 (45.2)	12 (46.2)	25 (71.4)	12 (54.5)	63 (55.3)
Median age in years (IQR)	32.4 (16.5)	37.0 (20.4)	35.9 (17.0)	38.1 (25.0)	36.4 (18.7)
Unknown					
Number tested	146	244	335	442	1,167
Number males (% known)	81 (60.9)	136 (63.0)	212 (67.3)	275 (65.5)	704 (64.9)
Median age in years (IQR)	32.9 (13.9)	32.2 (15.0)	34.7 (15.1)	34.5 (13.4)	34.0 (14.1)
Number positive	7	17	20	28	72
% positive	4.8	7.0	6.0	6.3	6.2
Number males (% known)	3 (42.9)	12 (80.0)	14 (73.7)	18 (64.3)	47 (68.1)
Median age in years (IQR)	34.9 (15.8)	37.7 (10.4)	34.8 (11.2)	33.7 (9.1)	35.4 (10.3)

[§] See Appendix 1 for methods.

* At the four centres for which full data were available 2008-2011. Includes testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

4.2 Trends in testing by service type

Table S 9. Trends in individuals tested and testing positive for HDV TA and/or HDV IgM by service type (trend centres 2008-2011)*

Service type	2008		2009		2010		2011		Total	
	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)
Primary care										
General practitioner	217	8 (3.7)	232	14 (6.0)	277	16 (5.8)	245	8 (3.3)	971	46 (4.7)
GUM clinic	108	5 (4.6)	66	2 (3.0)	137	7 (5.1)	277	9 (3.2)	588	23 (3.9)
Other primary care service	32	0 (0.0)	30	2 (6.7)	24	0 (0.0)	33	1 (3.0)	119	3 (2.5)
Total primary care	357	13 (3.6)	328	18 (5.5)	438	23 (5.3)	555	18 (3.2)	1,678	72 (4.3)
Secondary care										
General medical/ surgical	33	2 (6.1)	29	2 (6.9)	24	2 (8.3)	49	2 (4.1)	135	8 (5.9)
Other ward (known type) [†]	246	9 (3.7)	198	7 (3.5)	241	13 (5.4)	275	13 (4.7)	960	42 (4.4)
Specialist infectious disease services [‡]	39	199 (4.2)	25	0 (0.0)	23	1 (4.3)	50	1 (2.0)	137	3 (2.2)
Unspecified ward [§]	7	1 (6.3)	5	0 (0.0)	2	0 (0.0)	11	1 (9.1)	25	1 (4.0)
Total secondary care	325	326 (4.3)	257	9 (3.5)	290	16 (5.5)	385	17 (4.4)	1,257	54 (4.3)
Unknown services										
Hospitals referring all samples	849	46 (5.4)	1,269	56 (4.4)	1,351	50 (3.7)	1,247	47 (3.8)	4,716	199 (4.2)
Unknown service type	0	0 (0.0)	6	0 (0.0)	5	1 (20.0)	5	0 (0.0)	16	1 (6.3)
Total	1,531	71 (4.6)	1,860	83 (4.5)	2,084	90 (4.3)	2,192	82 (3.7)	7,667	326 (4.3)

* At the four centres for which full data were available 2008-2011. Includes testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

[†]This refers to all other hospital services not specified here: for example, it may include respiratory medicine, orthopaedics, care of the elderly, dermatology or cardiology departments.

[‡] This refers to infectious disease services, hepatology departments and gastroenterology departments.

[§] These are hospital services which are currently being investigated to identify specific service type, and may include any of the secondary care services mentioned above.

[#] These services are currently being investigated to identify specific service type, where possible.

5 Hepatitis C

5.1 Trends in testing among ethnic groups

Table S 10. Trends in individuals tested and testing positive for anti-HCV by ethnic group[§] (trend centres 2008-2011)*

	2008	2009	2010	2011	Total
Asian or Asian British					
Number tested (% known)	17,113 (13.4)	17,704 (14.0)	18,090 (14.3)	18,046 (14.5)	70,953 (14.0)
Number males (% known)	9,103 (54.6)	9,737 (56.3)	10,247 (57.8)	10,311 (57.8)	39,398 (56.6)
Median age in years (IQR)	34.0 (18.5)	33.8 (18.6)	34.1 (18.6)	34.2 (18.7)	34.0 (18.6)
Number positive (%)	537 (11.9)	486 (13.5)	423 (13.5)	471 (14.6)	1,917 (13.2)
% positive	3.1	2.7	2.3	2.6	2.7
Number males (% known)	317 (61.0)	290 (60.8)	269 (64.5)	291 (62.9)	1,167 (62.2)
Median age in years (IQR)	43.1 (21.4)	42.9 (19.1)	40.9 (19.3)	42.4 (22.7)	42.5 (21.0)
Black or black British					
Number tested (% known)	3,202 (2.5)	3,180 (2.5)	3,072 (2.4)	3,157 (2.5)	12,611 (2.5)
Number males (% known)	1,402 (45.0)	1,418 (45.8)	1,449 (47.9)	1,612 (51.6)	5,881 (47.6)
Median age in years (IQR)	35.3 (15.8)	35.3 (15.9)	35.8 (17.0)	35.8 (17.4)	35.6 (16.5)
Number positive (%)	51 (1.1)	26 (0.7)	41 (1.3)	29 (0.9)	147 (1.0)
% positive	1.6	0.8	1.3	0.9	1.2
Number males (% known)	27 (52.9)	11 (42.3)	18 (47.4)	15 (51.7)	71 (49.3)
Median age in years (IQR)	45.0 (23.2)	40.9 (19.3)	49.6 (24.3)	45.4 (12.6)	45.3 (20.6)
Other and/or mixed					
Number tested (% known)	4,236 (3.3)	4,296 (3.4)	4,479 (3.5)	4,364 (3.5)	17,375 (3.4)
Number males (% known)	1,913 (46.7)	1,962 (46.9)	2,087 (47.6)	2,068 (48.0)	8,030 (47.3)
Median age in years (IQR)	33.7 (16.5)	33.6 (17.7)	33.5 (17.0)	34.0 (17.4)	33.7 (17.1)
Number positive (%)	101 (2.2)	100 (2.8)	73 (2.3)	75 (2.3)	349 (2.4)
% positive	2.4	2.3	1.6	1.7	2.0
Number males (% known)	69 (71.1)	63 (64.3)	40 (54.8)	43 (58.9)	215 (63.0)
Median age in years (IQR)	39.9 (20.5)	38.4 (19.0)	39.5 (22.8)	37.4 (22.1)	38.8 (21.3)
White or white British					
Number tested (% known)	103,087 (80.8)	101,720 (80.2)	100,702 (79.7)	99,072 (79.5)	404,581 (80.0)
Number males (% known)	52,491 (51.3)	51,828 (51.4)	51,495 (51.5)	51,545 (52.3)	207,359 (51.6)
Median age in years (IQR)	40.0 (26.1)	40.1 (26.3)	40.2 (26.6)	40.3 (26.8)	40.2 (26.5)
Number positive (%)	3,832 (84.8)	2,986 (83.0)	2,596 (82.9)	2,660 (82.2)	12,074 (83.3)
% positive	3.7	2.9	2.6	2.7	3.0
Number males (% known)	2,706 (71.1)	2,098 (70.8)	1,794 (69.5)	1,865 (70.4)	8,463 (70.5)
Median age in years (IQR)	40.9 (14.6)	41.0 (15.8)	42.5 (16.1)	42.1 (16.3)	41.5 (15.7)
Unknown					
Number tested	40,234	40,696	34,727	35,951	151,608
Number males (% known)	22,652 (57.6)	22,813 (57.9)	21,274 (64.1)	22,004 (64.7)	88,743 (60.8)
Median age in years (IQR)	28.2 (15.0)	28.2 (14.7)	29.7 (15.0)	30.4 (15.4)	29.1 (15.1)
Number positive	1,129	1,038	884	986	4,037
% positive	2.8	2.6	2.5	2.7	2.7
Number males (% known)	651 (58.9)	579 (57.6)	541 (65.3)	638 (69.3)	2,409 (62.4)
Median age in years (IQR)	35.5 (13.7)	34.7 (13.4)	35.4 (13.7)	37.4 (13.7)	35.6 (13.5)

[§] See Appendix 1 for methods.

* At the 22 centres for which full data were available 2008-2011. Excludes reference testing and testing from hospitals referring all samples. Individuals aged less than one year are excluded since positive tests in this age group may reflect the presence of passively-acquired maternal antibody rather than true infection. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

5.2 Trends in testing by service type

Table S 11. Trends in individuals tested and testing positive for anti-HCV by service type (trend centres 2008-2011)*

Service type	2008		2009		2010		2011		Total	
	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)
Primary care										
Accident and emergency	1,592	86 (5.4)	1,686	72 (4.3)	1,714	56 (3.3)	1,943	66 (3.4)	6,935	280 (4.0)
Drug dependency services	1,931	503 (26.0)	2,288	484 (21.2)	2,207	402 (18.2)	2,126	383 (18.0)	8,552	1,772 (20.7)
General practitioner	44,403	1,668 (3.8)	45,020	1,416 (3.1)	46,897	1,288 (2.7)	47,563	1,296 (2.7)	183,883	5,668 (3.1)
GUM clinic	38,969	934 (2.4)	36,968	658 (1.8)	30,733	578 (1.9)	28,324	555 (2.0)	134,994	2,725 (2.0)
Occupational health	14,904	55 (0.4)	14,700	56 (0.4)	12,164	43 (0.4)	11,039	22 (0.2)	52,807	176 (0.3)
Prison services	2,938	602 (20.5)	3,414	565 (16.5)	3,178	461 (14.5)	4,504	534 (11.9)	14,034	2,162 (15.4)
Total primary care	104,737	3,848 (3.7)	104,076	3,251 (3.1)	96,893	2,828 (2.9)	95,499	2,856 (3.0)	401,205	12,783 (3.2)
Secondary care										
Antenatal	2,850	85 (3.0)	2,354	59 (2.5)	1,811	56 (3.1)	1,407	44 (3.1)	8,422	244 (2.9)
Fertility services	11,368	64 (0.6)	10,285	40 (0.4)	10,230	41 (0.4)	10,009	33 (0.3)	41,892	178 (0.4)
General medical/ surgical	6,748	293 (4.3)	6,863	235 (3.4)	6,492	196 (3.0)	6,637	209 (3.1)	26,740	933 (3.5)
Obstetrics & gynaecology	2,526	83 (3.3)	3,041	58 (1.9)	3,401	72 (2.1)	3,268	32 (1.0)	12,236	245 (2.0)
Other ward (known type) [†]	24,006	781 (3.3)	25,727	629 (2.4)	26,250	539 (2.1)	27,724	695 (2.5)	103,707	2,644 (2.5)
Paediatric services	1,662	16 (1.0)	1,620	17 (1.0)	1,819	12 (0.7)	2,003	19 (0.9)	7,104	64 (0.9)
Renal units	7,098	110 (1.5)	5,960	60 (1.0)	6,035	48 (0.8)	5,558	44 (0.8)	24,651	262 (1.1)
Specialist HIV services	482	37 (7.7)	340	22 (6.5)	410	15 (3.7)	366	12 (3.3)	1,598	86 (5.4)
Specialist liver services [‡]	4,341	294 (6.8)	4,328	223 (5.2)	4,589	178 (3.9)	4,726	182 (3.9)	17,984	877 (4.9)
Unspecified ward [§]	1,406	17 (1.2)	1,734	17 (1.0)	1,932	18 (0.9)	2,183	74 (3.4)	7,255	126 (1.7)
Total secondary care	62,487	1,780 (2.8)	62,252	1,360 (2.2)	62,969	1,175 (1.9)	63,881	1,344 (2.1)	251,589	5,659 (2.2)
Unknown services										
Unknown service type	648	22 (3.4)	1,268	25 (2.0)	1,208	14 (1.2)	1,210	21 (1.7)	4,334	82 (1.9)
Total	167,872	5,650 (3.4)	167,596	4,636 (2.8)	161,070	4,017 (2.5)	160,590	4,221 (2.6)	657,128	18,524 (2.8)

* At the 22 centres for which full data were available 2008-2011. Excludes reference testing and testing from hospitals referring all samples. Individuals aged less than one year are excluded since positive tests in this age group may reflect the presence of passively-acquired maternal antibody rather than true infection. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

[†]This refers to all other hospital services not specified here: for example, it may include respiratory medicine, orthopaedics, care of the elderly, dermatology or cardiology departments.

[‡] This refers to infectious disease services, hepatology departments and gastroenterology departments.

[§] These are hospital services which are currently being investigated to identify specific service type, and may include any of the secondary care services mentioned above.

[#] These services are currently being investigated to identify specific service type, where possible.

6 HIV

6.1 HIV testing by service type 2011 data

Table S 12. Individuals tested and testing positive for HIV by service type (excluding antenatal screening, 2011)*

Service type	2011	
	Number tested	Number positive (% positive)
Primary care		
Accident and emergency	1,787	29 (1.6)
Drug dependency services	1,673	3 (0.2)
General practitioner	37,987	182 (0.5)
GUM clinic	176,870	1,764 (1.0)
Occupational health	8,741	11 (0.1)
Prison services	3,318	22 (0.7)
Total primary care	230,376	2,011 (0.9)
Secondary care		
Fertility services	10,359	15 (0.1)
General medical/ surgical	5,665	78 (1.4)
Obstetrics & gynaecology	5,146	23 (0.4)
Other ward (known type) [†]	25,075	277 (1.1)
Paediatric services	862	7 (0.8)
Renal units	8,969	36 (0.4)
Specialist HIV services	162	67 (41.4)
Specialist liver services [‡]	4,905	174 (3.5)
Unspecified ward [§]	1,950	32 (1.6)
Total secondary care	63,093	709 (1.1)
Unknown services		
Unknown service type	121	1 (0.8)
Total	293,590	2,721 (0.9)

* At the 17 centres for which full HIV were available for 2011. Excludes routine antenatal screening, reference testing and testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

[†] This refers to all other hospital services not specified here: for example, it may include respiratory medicine, orthopaedics, care of the elderly, dermatology or cardiology departments.

[‡] This refers to infectious disease services, hepatology departments and gastroenterology departments.

[§] These are hospital services which are currently being investigated to identify specific service type, and may include any of the secondary care services mentioned above.

[#] These services are currently being investigated to identify specific service type, where possible.

6.2 Trends in testing among ethnic groups

Table S 13. Trends in adults (16+ years old) tested and testing positive for HIV by ethnic group[§] (excluding antenatal screening trend centres 2008-2011)*

	2008	2009	2010	2011	Total
Asian or Asian British					
Number tested (% known)	7,680 (10.6)	8,756 (11.6)	9,867 (11.6)	11,266 (12.0)	37,569 (11.5)
Number males (% known)	3,834 (51.7)	4,432 (52.2)	5,158 (53.4)	6,005 (54.2)	19,429 (53.0)
Median age in years (IQR)	33.9 (14.0)	34.9 (15.0)	35.8 (15.0)	36.3 (16.0)	35.3 (14.0)
Number positive (%)	63 (7.9)	56 (6.6)	66 (6.9)	64 (7.2)	249 (7.2)
% positive	0.8	0.6	0.7	0.6	0.7
Number males (% known)	33 (53.2)	31 (56.4)	34 (51.5)	43 (68.3)	141 (57.3)
Median age in years (IQR)	36.8 (15.0)	36.5 (12.5)	36.5 (15.0)	37.4 (15.0)	36.8 (15.0)
Black or black British					
Number tested (% known)	2,244 (3.1)	2,335 (3.1)	2,787 (3.3)	3,191 (3.4)	10,557 (3.2)
Number males (% known)	865 (39.7)	930 (41.0)	1,199 (43.9)	1,480 (46.9)	4,474 (43.3)
Median age in years (IQR)	33.7 (15.0)	35.4 (15.0)	35.6 (15.0)	36.4 (17.0)	35.4 (15.0)
Number positive (%)	131 (16.5)	128 (15.1)	128 (13.5)	111 (12.5)	498 (14.3)
% positive	5.8	5.5	4.6	3.5	4.7
Number males (% known)	48 (36.9)	53 (42.1)	40 (31.5)	52 (47.3)	193 (39.1)
Median age in years (IQR)	36.2 (10.0)	37.0 (12.0)	38.0 (12.0)	39.8 (11.0)	37.7 (12.0)
Other and/or mixed					
Number tested (% known)	2,351 (3.2)	2,540 (3.4)	2,842 (3.3)	3,214 (3.4)	10,947 (3.3)
Number males (% known)	949 (41.6)	988 (40.2)	1,237 (44.4)	1,390 (44.0)	4,564 (42.7)
Median age in years (IQR)	32.3 (13.0)	32.6 (13.0)	33.8 (14.0)	34.3 (14.0)	33.3 (13.0)
Number positive (%)	24 (3.0)	25 (3.0)	43 (4.5)	18 (2.0)	110 (3.2)
% positive	1.0	1.0	1.5	0.6	1.0
Number males (% known)	15 (65.2)	10 (43.5)	26 (63.4)	11 (61.1)	62 (59.0)
Median age in years (IQR)	38.2 (17.5)	34.9 (10.5)	37.0 (14.0)	39.7 (16.0)	37.2 (14.0)
White or white British					
Number tested (% known)	60,064 (83.0)	62,152 (82.0)	69,721 (81.8)	76,308 (81.2)	268,245 (82.0)
Number males (% known)	28,914 (48.6)	29,711 (48.2)	33,977 (49.0)	38,031 (50.2)	130,633 (49.1)
Median age in years (IQR)	37.2 (17.0)	38.5 (18.0)	39.2 (20.0)	40.2 (22.0)	38.8 (20.0)
Number positive (%)	578 (72.6)	637 (75.3)	714 (75.1)	695 (78.3)	2,624 (75.4)
% positive	1.0	1.0	1.0	0.9	1.0
Number males (% known)	386 (67.2)	451 (71.5)	493 (69.3)	475 (68.5)	1,805 (69.2)
Median age in years (IQR)	39.7 (14.0)	39.4 (14.0)	39.3 (16.0)	39.1 (16.0)	39.4 (15.0)
Unknown					
Number tested	121,730	128,798	126,747	136,561	513,836
Number males (% known)	59,920 (51.6)	63,337 (51.2)	61,625 (50.5)	66,543 (50.6)	251,425 (51.0)
Median age in years (IQR)	28.1 (12.0)	28.4 (12.0)	28.7 (12.0)	28.8 (12.0)	28.5 (12.0)
Number positive	1,048	999	907	1,150	4,104
% positive	0.9	0.8	0.7	0.8	0.8
Number males (% known)	677 (67.8)	706 (72.9)	620 (70.9)	803 (71.8)	2,806 (70.8)
Median age in years (IQR)	35.9 (14.0)	35.8 (14.0)	36.6 (14.0)	35.7 (15.0)	36.0 (15.0)

[§] See Appendix 1 for methods.

* At the 14 centres for which full data were available 2008-2011. Excludes routine antenatal screening, reference testing and testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

6.3 Trends in antenatal screening by ethnic group

Table S 14. Trends in adults (16+ years old) tested and testing positive for HIV by ethnic group[§] (excluding antenatal screening trend centres 2008-2011)*

	2008	2009	2010	2011	Total
Asian or Asian British					
Number tested (% known)	7,196 (15.3)	7,517 (14.3)	7,748 (13.5)	10,452 (17.1)	32,913 (15.1)
Median age in years (IQR)	27.7 (7.0)	28.1 (8.0)	28.5 (7.0)	28.7 (7.0)	28.3 (8.0)
Number positive (%)	8 (7.0)	7 (7.1)	8 (10.4)	8 (4.7)	31 (6.7)
% positive	0.1	0.1	0.1	0.1	0.1
Median age in years (IQR)	36.8 (15.0)	36.5 (12.5)	36.5 (15.0)	37.4 (15.0)	36.8 (15.0)
Black or black British					
Number tested (% known)	1,527 (3.2)	1,496 (2.9)	1,674 (2.9)	1,715 (2.8)	6,412 (2.9)
Median age in years (IQR)	29.5 (9.0)	29.4 (8.0)	29.9 (8.0)	29.8 (8.0)	29.7 (8.0)
Number positive (%)	21 (18.4)	27 (27.3)	31 (40.3)	29 (17.0)	108 (23.4)
% positive	1.4	1.8	1.9	1.7	1.7
Median age in years (IQR)	36.2 (10.0)	37.0 (12.0)	38.0 (12.0)	39.8 (11.0)	37.7 (12.0)
Other and/or mixed					
Number tested (% known)	1,734 (3.7)	1,913 (3.6)	2,062 (3.6)	2,264 (3.7)	7,973 (3.7)
Median age in years (IQR)	28.6 (9.0)	28.8 (8.0)	28.9 (8.0)	29.5 (8.0)	29.0 (8.0)
Number positive (%)	4 (3.5)	3 (3.0)	1 (1.3)	5 (2.9)	13 (2.8)
% positive	0.2	0.2	0.0	0.2	0.2
Median age in years (IQR)	38.2 (17.5)	34.9 (10.5)	37.0 (14.0)	39.7 (16.0)	37.2 (14.0)
White or white British					
Number tested (% known)	36,720 (77.8)	41,493 (79.2)	45,898 (80.0)	46,792 (76.4)	170,903 (78.3)
Median age in years (IQR)	28.6 (9.0)	28.5 (9.0)	28.5 (9.0)	28.8 (9.0)	28.6 (9.0)
Number positive (%)	81 (71.1)	62 (62.6)	37 (48.1)	129 (75.4)	309 (67.0)
% positive	0.2	0.1	0.1	0.3	0.2
Median age in years (IQR)	39.7 (14.0)	39.4 (14.0)	39.3 (16.0)	39.1 (16.0)	39.4 (15.0)
Unknown					
Number tested (% known)	455	626	682	986	2,749
Median age in years (IQR)	28.0 (8.0)	28.4 (8.0)	28.3 (8.0)	28.6 (9.0)	28.4 (8.0)
Number positive (%)	14	15	7	13	49
% positive	3.1	2.4	1.0	1.3	1.8
Median age in years (IQR)	35.9 (14.0)	35.8 (14.0)	36.6 (14.0)	35.7 (15.0)	36.0 (15.0)

[§] See Appendix 1 for methods.

* At the 14 centres for which full data were available 2008-2011. Includes women 16-49 years old who underwent routine antenatal screening for HIV. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

6.4 Trends in testing by service type

Table S 15. Trends in individuals tested and testing positive for HIV by service type (excluding antenatal screening, trend centres 2008-2011)*

Service type	2008		2009		2010		2011		Total	
	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)
Primary care										
Accident and emergency	747	24 (3.2)	984	20 (2.0)	1,215	22 (1.8)	1,559	21 (1.3)	4,505	87 (1.9)
Drug dependency services	1,608	3 (0.2)	1,792	6 (0.3)	1,358	5 (0.4)	1,425	3 (0.2)	6,183	17 (0.3)
General practitioner	22,434	140 (0.6)	25,159	112 (0.4)	28,549	177 (0.6)	32,286	157 (0.5)	108,428	586 (0.5)
GUM clinic	130,675	1,187 (0.9)	130,439	1,180 (0.9)	130,850	1,139 (0.9)	137,361	1,344 (1.0)	529,325	4,850 (0.9)
Occupational health	7,906	13 (0.2)	9,570	20 (0.2)	7,666	10 (0.1)	7,239	9 (0.1)	32,381	52 (0.2)
Prison services	1,561	10 (0.6)	1,948	16 (0.8)	1,867	11 (0.6)	2,776	18 (0.6)	8,152	55 (0.7)
Total primary care	164,931	1,377 (0.8)	169,892	1,354 (0.8)	171,505	1,364 (0.8)	182,646	1,552 (0.8)	688,974	5,647 (0.8)
Secondary care										
Fertility services	8,770	12 (0.1)	8,925	9 (0.1)	9,253	19 (0.2)	8,462	12 (0.1)	35,410	52 (0.1)
General medical/ surgical	1,997	62 (3.1)	2,689	61 (2.3)	3,444	69 (2.0)	5,058	63 (1.2)	13,188	255 (1.9)
Obstetrics & gynaecology	1,986	18 (0.9)	2,313	26 (1.1)	3,493	14 (0.4)	4,034	21 (0.5)	11,826	79 (0.7)
Other ward (known type) [†]	8,232	131 (1.6)	11,193	123 (1.1)	13,073	114 (0.9)	17,334	155 (0.9)	49,832	523 (1.0)
Paediatric services	449	6 (1.3)	492	1 (0.2)	686	6 (0.9)	789	5 (0.6)	2,416	18 (0.7)
Renal units	5,430	41 (0.8)	5,854	28 (0.5)	6,633	22 (0.3)	6,939	23 (0.3)	24,856	114 (0.5)
Specialist HIV services	160	92 (57.5)	167	82 (49.1)	164	97 (59.1)	155	65 (41.9)	646	336 (52.0)
Specialist liver services [‡]	1,624	99 (6.1)	2,272	152 (6.7)	2,833	139 (4.9)	3,924	131 (3.3)	10,653	521 (4.9)
Unspecified ward [§]	450	5 (1.1)	629	4 (0.6)	730	13 (1.8)	1,079	10 (0.9)	2,888	32 (1.1)
Total secondary care	29,098	466 (1.6)	34,534	486 (1.4)	40,309	493 (1.2)	47,774	485 (1.0)	151,715	1,930 (1.3)
Unknown services										
Unknown service type	40	1 (2.5)	155	5 (3.2)	150	1 (0.7)	120	1 (0.8)	465	8 (1.7)
Total	194,069	1,844 (1.0)	204,581	1,845 (0.9)	211,964	1,858 (0.9)	230,540	2,038 (0.9)	841,154	7,585 (0.9)

* At the 14 centres for which full data were available 2008-2011. Excludes routine antenatal screening, reference testing and hospital referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

[†] This refers to all other hospital services not specified here: for example, it may include respiratory medicine, orthopaedics, care of the elderly, dermatology or cardiology departments.

[‡] This refers to infectious disease services, hepatology departments and gastroenterology departments.

[§] These are hospital services which are currently being investigated to identify specific service type, and may include any of the secondary care services mentioned above.

[#] These services are currently being investigated to identify specific service type, where possible.

7 HTLV

7.1 Trends in testing among ethnic groups

Table S 16. Trends in individuals tested and testing positive for HTLV-1 by ethnic group[§] (trend centres 2008-2011)*

	2008	2009	2010	2011	Total
Asian or Asian British					
Number tested (% known)	339 (8.3)	288 (7.9)	370 (8.2)	444 (8.2)	1,441 (8.1)
Number males (% known)	159 (59.3)	157 (61.3)	205 (56.8)	249 (56.6)	770 (58.1)
Median age in years (IQR)	33.3 (25.8)	36.5 (24.3)	36.7 (24.8)	37.3 (25.1)	36.2 (25.6)
Number positive (%)	3 (6.4)	1 (1.9)	6 (11.5)	7 (8.0)	17 (7.1)
% positive	0.9	0.3	1.6	1.6	1.2
Number males (% known)	1 (50.0)	(0.0)	3 (50.0)	3 (42.9)	7 (46.7)
Median age in years (IQR)	25.8 (4.9)	24.3 (0.0)	24.8 (48.0)	25.1 (29.7)	25.6 (37.7)
Black or black British					
Number tested (% known)	98 (2.4)	110 (3.0)	100 (2.2)	152 (2.8)	460 (2.6)
Number males (% known)	48 (51.6)	51 (48.1)	41 (41.8)	70 (46.4)	210 (46.9)
Median age in years (IQR)	36.3 (15.1)	39.9 (16.8)	37.7 (17.2)	39.8 (19.7)	38.5 (174.8)
Number positive (%)	1 (2.1)	1 (1.9)	3 (5.8)	5 (5.7)	10 (4.2)
% positive	1.0	0.9	3.0	3.3	2.2
Number males (% known)	(0.0)	(0.0)	1 (33.3)	1 (20.0)	2 (20.0)
Median age in years (IQR)	40.9 (0.0)	19.7 (0.0)	48.5 (24.3)	40.8 (5.9)	40.9 (8.6)
Other and/or mixed					
Number tested (% known)	94 (2.3)	71 (1.9)	71 (1.6)	89 (1.6)	325 (1.8)
Number males (% known)	39 (53.4)	32 (52.5)	36 (52.9)	40 (46.0)	147 (50.9)
Median age in years (IQR)	36.3 (25.5)	32.5 (21.2)	33.7 (18.1)	37.1 (19.5)	35.1 (21.3)
Number positive (%)	(0.0)	1 (1.9)	2 (3.8)	(0.0)	3 (1.3)
% positive	0.0	1.4	2.8	0.0	0.9
Number males (% known)	(0.0)	1 (0.0)	1 (50.0)	(0.0)	2 (66.7)
Median age in years (IQR)	0.0 (0.0)	3.6 (0.0)	47.9 (21.7)	0.0 (0.0)	37.1 (55.2)
White or white British					
Number tested (% known)	3,558 (87.0)	3,198 (87.2)	3,970 (88.0)	4,736 (87.4)	15,462 (87.4)
Number males (% known)	1,714 (54.6)	1,516 (51.5)	2,109 (54.1)	2,520 (54.0)	7,859 (53.7)
Median age in years (IQR)	49.2 (26.0)	48.5 (26.1)	49.5 (27.4)	49.5 (25.5)	49.3 (26.2)
Number positive (%)	43 (91.5)	49 (94.2)	41 (78.8)	76 (86.4)	209 (87.4)
% positive	1.2	1.5	1.0	1.6	1.4
Number males (% known)	15 (38.5)	19 (44.2)	16 (41.0)	31 (41.3)	81 (41.3)
Median age in years (IQR)	53.3 (24.9)	55.3 (21.4)	56.3 (18.5)	56.6 (20.2)	56.6 (21.2)
Unknown					
Number tested	990	1,340	2,068	1,606	6,004
Number males (% known)	60 (7.6)	70 (9.0)	64 (3.5)	140 (11.1)	334 (7.1)
Median age in years (IQR)	34.7 (13.6)	34.6 (14.8)	34.7 (15.7)	36.1 (20.5)	35.0 (16.7)
Number positive	4	2	7	19	32
% positive	0.4	0.1	0.3	1.2	0.5
Number males (% known)	(0.0)	(0.0)	(0.0)	6 (37.5)	6 (22.2)
Median age in years (IQR)	37.5 (7.1)	47.7 (20.3)	39.4 (58.5)	48.5 (11.1)	46.2 (16.6)

[§] See Appendix 1 for methods.

* At the 11 centres for which full data were available 2008-2011. Includes testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

7.2 Trends in testing by service type

Table S 17. Trends in individuals tested and testing positive for HTLV-1 service type (trend centres 2008-2011)*

Service type	2008		2009		2010		2011		Total	
	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)	Number tested	Number positive (% positive)
Primary care										
All primary care services	418	2 (0.5)	350	2 (0.6)	365	1 (0.3)	328	0 (0.0)	1,461	5 (0.3)
Secondary care										
General medical/ surgical	117	2 (1.7)	167	6 (3.6)	126	0 (0.0)	99	1 (1.0)	509	9 (1.8)
Other ward (known type) [†]	2,117	17 (0.8)	2,051	15 (0.7)	2,129	10 (0.5)	2,646	28 (1.1)	8,943	70 (0.8)
Specialist infectious disease services [‡]	253	2 (0.8)	244	0 (0.0)	272	1 (0.4)	346	2 (0.6)	1,115	5 (0.4)
Unspecified ward [§]	25	0 (0.0)	42	0 (0.0)	30	1 (3.3)	145	2 (1.4)	242	3 (1.2)
Total secondary care	2,512	21 (0.8)	2,504	21 (0.8)	2,557	12 (0.5)	3,236	33 (1.0)	10,809	87 (0.8)
Unknown services										
Hospitals referring all samples	2,147	28 (1.3)	2,151	31 (1.4)	3,655	46 (1.3)	3,461	74 (2.1)	11,414	179 (1.6)
Unknown service type	2	0 (0.0)	2	0 (0.0)	2	0 (0.0)	2	0 (0.0)	8	0 (0.0)
Total	5,079	51 (1.0)	5,007	54 (1.1)	6,579	59 (0.9)	7,027	107 (1.5)	23,692	271 (1.1)

* At the 11 centres for which full data were available 2008-2011. Includes testing from hospitals referring all samples. Data were de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

[†] This refers to all other hospital services not specified here: for example, it may include respiratory medicine, orthopaedics, care of the elderly, dermatology or cardiology departments.

[‡] This refers to infectious disease services, hepatology departments and gastroenterology departments.

[§] These are hospital services which are currently being investigated to identify specific service type, and may include any of the secondary care services mentioned above.

[#] These services are currently being investigated to identify specific service type, where possible.