



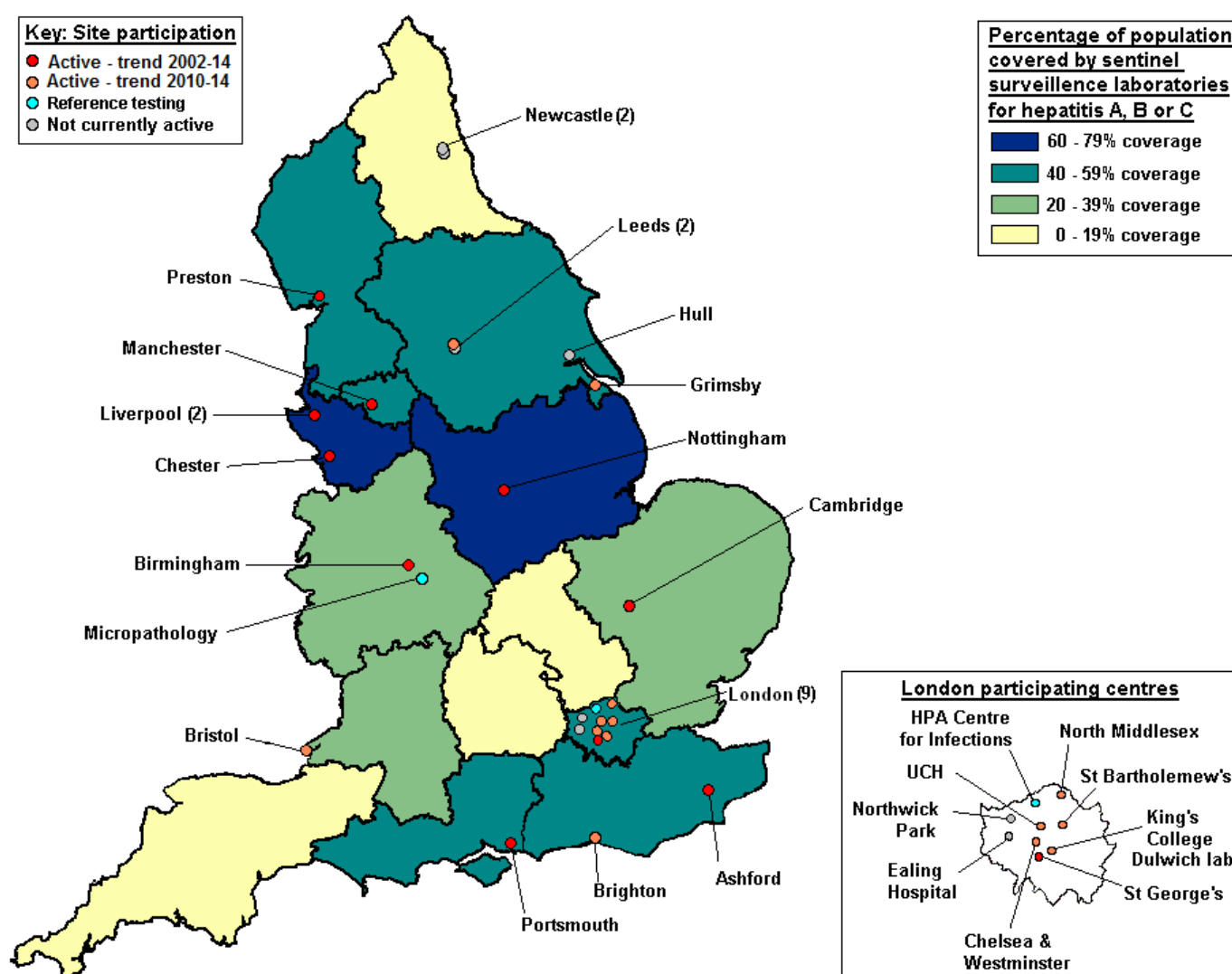
## Infection report

Volume 9 Number 26 Published on: 24 July 2015

## Immunisation appendix

Annual report from the sentinel surveillance study of blood borne virus testing in England\*:  
Supplementary tables for January to December 2014

Supplementary Figure 1. Map of sentinel surveillance centres in 2014.



## 1. Hepatitis A IgM testing

**Supplementary Table 1. Number of individuals tested, and testing positive, for anti-HAV IgM in participating centres, January – December 2014\***

PHE centre	Number tested	Number positive (%)
Anglia and Essex	1,905	11 (0.6)
Avon, Gloucestershire and Wiltshire	2,989	14 (0.5)
Cheshire and Merseyside	1,001	3 (0.3)
Cumbria and Lancashire	1,095	4 (0.4)
East Midlands	3,944	3 (0.1)
Greater Manchester	1,720	8 (0.5)
London	8,008	46 (0.6)
Sussex, Surrey and Kent	3,549	7 (0.2)
Wessex	334	8 (2.5)
West Midlands	1,532	6 (0.4)
Yorkshire and Humber	2,795	5 (0.2)
<b>Total</b>	<b>28,870</b>	<b>115 (0.4)</b>

\* Excludes reference testing and testing from hospitals referring all samples. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

**Supplementary Table 2. Number of individuals tested, and testing positive, for anti-HAV IgM in participating centres, January - December 2014\*†.**

Age group	Female		Male		Unknown		Total	
	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)
Under 1 year	87	0 (0.0)	139	0 (0.0)	1	0 (0.0)	227	0 (0.0)
1-14 years	327	18 (5.5)	399	12 (3.0)	1	0 (0.0)	727	30 (4.1)
15-24 years	1,637	14 (0.9)	1,693	6 (0.4)	8	0 (0.0)	3,338	20 (0.6)
25-34 years	2,261	7 (0.3)	2,990	12 (0.4)	16	0 (0.0)	5,267	19 (0.4)
35-44 years	1,738	4 (0.2)	2,816	4 (0.1)	14	0 (0.0)	4,568	8 (0.2)
45-54 years	2,149	3 (0.1)	2,730	4 (0.1)	3	0 (0.0)	4,882	7 (0.1)
55-64 years	1,994	5 (0.3)	2,034	3 (0.1)	2	0 (0.0)	4,030	8 (0.2)
≥65 years	3,061	13 (0.4)	3,099	10 (0.3)	3	0 (0.0)	6,163	23 (0.4)
Unknown	30	1 (3.3)	42	0 (0.0)	0	0 (0.0)	72	1 (1.4)
<b>Total, all age groups</b>	<b>13,284</b>	<b>65 (0.5)</b>	<b>15,942</b>	<b>51 (0.3)</b>	<b>48</b>	<b>0 (0.0)</b>	<b>29,274</b>	<b>116 (0.4)</b>

\* Excludes reference testing and testing from hospitals referring all samples. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

**Supplementary Table 3. Number of individuals tested and testing positive for anti-HAV by ethnic group, January – December 2014\***

Ethnic group	Number tested	Number positive (%)
Asian or Asian British origin	3,758	24 (0.6)
Black or Black British origin	492	0 (0.0)
Other and/or mixed origin	882	6 (0.7)
White or White British origin	23,415	84 (0.4)
Unknown ethnic origin	727	2 (0.3)
<b>Total</b>	<b>29,274</b>	<b>116 (0.4)</b>

\* Excludes reference testing and testing from hospitals referring all samples. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

## 2. Hepatitis B surface antigen testing

### a. Antenatal HBsAg screening

**Supplementary Table 4. Number of women tested, and testing positive for HBsAg through antenatal screening in participating centres, January – December 2014\***

PHE centre	Number tested	Number positive (%)
Anglia and Essex	3,777	9 (0.2)
Avon, Gloucestershire and Wiltshire	9,234	13 (0.3)
Cheshire and Merseyside	7,237	21 (0.3)
Cumbria and Lancashire	2,341	4 (0.2)
East Midlands	14,660	14 (0.1)
Greater Manchester	7,040	28 (0.4)
London	18,911	217 (1.1)
Sussex, Surrey and Kent	7,150	21 (0.3)
Wessex	2,424	7 (0.3)
West Midlands	6,706	18 (0.3)
Yorkshire and Humber	7,377	23 (0.3)
<b>Total</b>	<b>86,857</b>	<b>375 (0.4)</b>

\* Excludes dried blood spot testing, oral fluid testing, reference testing and testing from hospitals referring all samples. Only women aged 12-49 years old are included. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

## b. Non-antenatal HBsAg testing

**Supplementary Table 5. Number of individuals tested, and testing positive for HBsAg in participating centres (excluding antenatal testing), January – December 2014\***

PHE centre	Number tested	Number positive (%)
Anglia and Essex	8,251	69 (0.8)
Avon, Gloucestershire and Wiltshire	18,202	130 (0.7)
Cheshire and Merseyside	13,429	103 (0.8)
Cumbria and Lancashire	3,173	12 (0.4)
East Midlands	13,526	144 (1.1)
Greater Manchester	20,527	202 (1.0)
London	86,471	1,394 (1.6)
Sussex, Surrey and Kent	11,237	102 (0.9)
Wessex	5,405	48 (0.9)
West Midlands	10,953	246 (2.2)
Yorkshire and Humber	17,946	216 (1.2)
<b>Total</b>	<b>209,119</b>	<b>2,666 (1.3)</b>

\* Excludes antenatal screening, dried blood spot testing, oral fluid testing, reference testing and testing from hospitals referring all samples. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

**Supplementary Table 6. Age and gender of individuals tested for HBsAg in participating centres (excluding antenatal testing), January - December 2014\*.**

Age group	Female		Male		Unknown		Total	
	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)
Under 1 year	272	4 (1.5)	332	1 (0.3)	2	0 (0.0)	606	5 (0.8)
1-14 years	1,639	17 (1.0)	1,825	18 (1.0)	24	1 (4.2)	3,488	36 (1.0)
15-24 years	19,929	117 (0.6)	17,618	168 (1.0)	551	10 (1.8)	38,098	295 (0.8)
25-34 years	30,034	310 (1.0)	30,677	618 (2.0)	366	14 (3.8)	61,077	942 (1.5)
35-44 years	16,569	223 (1.3)	21,874	466 (2.1)	218	5 (2.3)	38,661	694 (1.8)
45-54 years	11,565	121 (1.0)	15,155	289 (1.9)	82	3 (3.7)	26,802	413 (1.5)
55-64 years	8,223	50 (0.6)	9,707	115 (1.2)	34	1 (2.9)	17,964	166 (0.9)
≥65 years	10,881	53 (0.5)	12,363	80 (0.6)	33	0 (0.0)	23,277	133 (0.6)
Unknown	189	3 (1.6)	291	5 (1.7)	232	0 (0.0)	712	8 (1.1)
<b>Total, all age groups</b>	<b>99,301</b>	<b>898 (0.9)</b>	<b>109,842</b>	<b>1,760 (1.6)</b>	<b>1,542</b>	<b>34 (2.2)</b>	<b>210,685</b>	<b>2,692 (1.3)</b>

\* Excludes dried blood spot, oral fluid, reference testing and testing from hospitals referring all samples. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

### 3. Hepatitis C antibody testing

**Supplementary Table 7. Number of individuals tested, and testing positive for anti-HCV in participating centres, January – December 2014\***

PHE centre	Number tested	Number positive (%)
Anglia and Essex	7,306	117 (1.6)
Avon, Gloucestershire and Wiltshire	16,756	273 (1.6)
Cheshire and Merseyside	12,528	240 (1.9)
Cumbria and Lancashire	3,566	85 (2.4)
East Midlands	11,263	217 (1.9)
Greater Manchester	15,712	246 (1.6)
London	72,508	1,226 (1.7)
Sussex, Surrey and Kent	11,242	263 (2.3)
Wessex	4,785	98 (2.0)
West Midlands	9,930	294 (3.0)
Yorkshire and Humber	15,940	265 (1.7)
<b>Total</b>	<b>181,536</b>	<b>3,324 (1.8)</b>

\* Excludes dried blood spot testing, oral fluid testing, reference testing and testing from hospitals referring all samples. Excludes individuals aged less than one year, in whom positive tests may reflect the presence of passively-acquired maternal antibody rather than true infection. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

**Supplementary Table 8. Age and gender of individuals tested for anti-HCV in participating centres, January - December 2014\*.**

Age group	Female		Male		Unknown		Total	
	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)
1-14	1,299	5 (0.4)	1,381	8 (0.6)	15	1 (6.7)	2,695	14 (0.5)
15-24	13,947	72 (0.5)	14,769	126 (0.9)	551	9 (1.6)	29,267	207 (0.7)
25-34	21,230	270 (1.3)	27,746	547 (2.0)	344	9 (2.6)	49,320	826 (1.7)
35-44	13,824	266 (1.9)	21,225	637 (3.0)	204	3 (1.5)	35,253	906 (2.6)
45-54	10,626	223 (2.1)	14,960	567 (3.8)	76	5 (6.6)	25,662	795 (3.1)
55-64	7,949	142 (1.8)	9,388	265 (2.8)	30	1 (3.3)	17,367	408 (2.3)
≥65	10,716	81 (0.8)	12,003	111 (0.9)	31	2 (6.5)	22,750	194 (0.9)
Unknown	187	5 (2.7)	273	17 (6.2)	227	0 (0.0)	687	22 (3.2)
<b>Total, all age groups</b>	<b>79,778</b>	<b>1,064 (1.3)</b>	<b>101,745</b>	<b>2,278 (2.2)</b>	<b>1,478</b>	<b>30 (2.0)</b>	<b>183,001</b>	<b>3,372 (1.8)</b>

\* Excludes dried blood spot, oral fluid 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 are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

#### 4. Hepatitis D total antibody testing

**Supplementary Table 9. Number of individuals tested, and testing positive, for HDV-TA and/or HDV IgM in participating centres, January – December 2014\***

PHE centre	Number tested	Number positive (%)
Anglia and Essex	224	5 (2.2)
Avon, Gloucestershire and Wiltshire	65	1 (1.5)
Bedfordshire, Hertfordshire and Northamptonshire	70	1 (1.4)
Cheshire and Merseyside	31	2 (6.5)
Cumbria and Lancashire	11	0 (0.0)
Devon, Cornwall and Somerset	22	0 (0.0)
East Midlands	159	2 (1.3)
Greater Manchester	150	7 (4.7)
London	1,038	46 (4.4)
Sussex, Surrey and Kent	115	3 (2.6)
Thames Valley	129	6 (4.7)
Wessex	71	2 (2.8)
West Midlands	107	9 (8.4)
Yorkshire and Humber	189	11 (5.8)
<b>Total</b>	<b>2,381</b>	<b>95 (4.0)</b>

\* Excludes reference testing. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

#### 5. Hepatitis E IgM testing

**Supplementary Table 10. Number of individuals tested, and testing positive, for anti-HEV IgM in participating centres, January – December 2014\***

PHE centre	Number tested	Number positive (%)
Anglia and Essex	886	73 (8.2)
Avon, Gloucestershire and Wiltshire	319	102 (32.0)
Bedfordshire, Hertfordshire and Northamptonshire	622	28 (4.5)
Cheshire and Merseyside	177	14 (7.9)
Cumbria and Lancashire	134	10 (7.5)
Devon, Cornwall and Somerset	496	64 (12.9)
East Midlands	788	59 (7.5)
Greater Manchester	759	27 (3.6)
London	2,486	128 (5.1)
Sussex, Surrey and Kent	710	67 (9.4)
Thames Valley	446	34 (7.6)
Wessex	356	38 (10.7)
West Midlands	2,067	94 (4.5)
Yorkshire and Humber	575	41 (7.1)
<b>Total</b>	<b>10,821</b>	<b>779 (7.2)</b>

\* Excludes reference testing. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

## 6. HIV testing

### a. Antenatal HIV screening

**Supplementary Table 11. Number of women tested, and testing positive for HIV through antenatal screening in participating centres, January – December 2014\***

PHE centre	Number tested	Number positive (%)
Anglia and Essex	3,762	2 (0.1)
Cheshire and Merseyside	5,747	2 (0.0)
East Midlands	14,532	12 (0.1)
London	21,875	25 (0.1)
Sussex, Surrey and Kent	7,129	3 (0.0)
Wessex	2,412	2 (0.1)
West Midlands	6,697	16 (0.2)
Yorkshire and Humber	4,862	14 (0.3)
<b>Total</b>	<b>67,016</b>	<b>76 (0.1)</b>

\* Excludes dried blood spot testing, oral fluid testing, reference testing and testing from hospitals referring all samples. Only women aged 16-49 years old are included. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional. Data are presented for PHEC where testing coverage is broadly representative of the PHEC as a whole.

### b. Non-antenatal HIV testing

**Supplementary Table 12. Number of adults (16+ years old) tested, and testing positive for HIV in participating centres (excluding antenatal testing), January – December 2014\***

PHE centre	Number tested	Number positive (%)
Anglia and Essex	11,982	49 (0.4)
Cheshire and Merseyside	15,599	112 (0.7)
Cumbria and Lancashire	5,371	32 (0.6)
East Midlands	19,698	99 (0.5)
Greater Manchester	29,032	311 (1.1)
London	129,083	1,256 (1.0)
Sussex, Surrey and Kent	31,125	314 (1.0)
Wessex	13,526	52 (0.4)
West Midlands	18,464	168 (0.9)
Yorkshire and Humber	10,661	60 (0.6)
<b>Total</b>	<b>284,541</b>	<b>2,453 (0.9)</b>

\* Excludes individuals aged under 16, antenatal screening, dried blood spot testing, oral fluid testing, reference testing and testing from hospitals referring all samples. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

**Supplementary Table 13. Age and gender of adults (16+ years old) tested for HIV in participating centres (excluding antenatal testing), January - December 2014\***

Age group	Female		Male		Unknown		Total	
	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)
16-24 years	49,269	74 (0.2)	35,373	201 (0.6)	1,061	5 (0.5)	85,703	280 (0.3)
25-34 years	51,586	154 (0.3)	47,631	689 (1.4)	801	7 (0.9)	100,018	850 (0.8)
35-44 years	22,004	174 (0.8)	25,047	494 (2.0)	368	4 (1.1)	47,419	672 (1.4)
45-54 years	10,825	110 (1.0)	14,657	347 (2.4)	140	4 (2.9)	25,622	461 (1.8)
55-64 years	5,161	36 (0.7)	7,675	96 (1.3)	48	1 (2.1)	12,884	133 (1.0)
≥65 years	5,595	13 (0.2)	7,930	49 (0.6)	27	0 (0.0)	13,552	62 (0.5)
Unknown	185	0 (0.0)	282	2 (0.7)	237	0 (0.0)	704	2 (0.3)
<b>Total, all age groups</b>	<b>144,625</b>	<b>561 (0.4)</b>	<b>138,595</b>	<b>1,878 (1.4)</b>	<b>2,682</b>	<b>21 (0.8)</b>	<b>285,902</b>	<b>2,460 (0.9)</b>

\* Excludes individuals aged under 16, antenatal screening, dried blood spot testing, oral fluid testing, reference testing and testing from hospitals referring all samples. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

## 7. HTLV testing

**Supplementary Table 14. Number of individuals tested, and testing positive, for HTLV in participating centres, January – December 2014\***

PHE centre	Number tested	Number positive (%)
Anglia and Essex	520	1 (0.2)
Avon, Gloucestershire and Wiltshire	26	4 (15.4)
Bedfordshire, Hertfordshire and Northamptonshire	57	3 (5.3)
Cheshire and Merseyside	68	0 (0.0)
Cumbria and Lancashire	161	0 (0.0)
East Midlands	19	1 (5.3)
Greater Manchester	1,337	5 (0.4)
London	2,623	69 (2.6)
Sussex, Surrey and Kent	348	1 (0.3)
Thames Valley	51	2 (3.9)
Wessex	236	1 (0.4)
West Midlands	397	9 (2.3)
Yorkshire and Humber	61	3 (4.9)
<b>Total</b>	<b>5,904</b>	<b>99 (1.7)</b>

\* Excludes reference testing. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.

**Supplementary Table 15. Number of individuals tested, and testing positive, for HTLV in participating centres, January - December 2014\*.**

Age group	Female		Male		Unknown		Total	
	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)
Under 1 year	29	1 (3.4)	27	2 (7.4)	0	0 (0.0)	56	3 (5.4)
1-14 years	95	1 (1.1)	126	0 (0.0)	7	0 (0.0)	228	1 (0.4)
15-24 years	201	2 (1.0)	212	1 (0.5)	53	0 (0.0)	466	3 (0.6)
25-34 years	501	7 (1.4)	392	2 (0.5)	48	0 (0.0)	941	9 (1.0)
35-44 years	389	7 (1.8)	485	6 (1.2)	23	1 (4.3)	897	14 (1.6)
45-54 years	520	11 (2.1)	556	9 (1.6)	6	0 (0.0)	1,082	20 (1.8)
55-64 years	409	8 (2.0)	608	8 (1.3)	5	0 (0.0)	1,022	16 (1.6)
≥65 years	412	13 (3.2)	550	15 (2.7)	6	1 (16.7)	968	29 (3.0)
Unknown	28	1 (3.6)	39	1 (2.6)	242	2 (0.8)	309	4 (1.3)
<b>Total, all age groups</b>	<b>2,584</b>	<b>51 (2.0)</b>	<b>2,995</b>	<b>44 (1.5)</b>	<b>390</b>	<b>4 (1.0)</b>	<b>5,969</b>	<b>99 (1.7)</b>

\* Excludes reference testing. Data are de-duplicated subject to availability of date of birth, soundex and first initial. All data are provisional.