



Infection report

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Immunisation appendix

Annual report from the sentinel surveillance study of blood borne virus testing in England: Supplementary tables for January to December 2015

1. Hepatitis A IgM testing

Supplementary Table 1. Number of individuals tested, and testing positive, for anti-HAV IgM in participating centres, January – December 2015*

PHE centre	Number tested	Number positive (%)
South West	2,798	9 (0.3)
East of England	1,695	8 (0.5)
North West	3,840	20 (0.5)
East Midlands	4,189	9 (0.2)
North East	680	7 (1.0)
South East	3,995	10 (0.3)
West Midlands	1,777	14 (0.8)
Yorkshire and Humber	2,841	21 (0.7)
London	6,420	36 (0.6)
Total	28,235	134 (0.5)

* 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 2015*

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	74	0 (0.0)	123	0 (0.0)	0	0 (0.0)	197	0 (0.0)
1-14 years	311	14 (4.5)	407	16 (3.9)	0	0 (0.0)	718	30 (4.2)
15-24 years	1,557	8 (0.5)	1,520	15 (1.0)	1	0 (0.0)	3,078	23 (0.7)
25-34 years	2,009	8 (0.4)	2,624	12 (0.5)	6	0 (0.0)	4,639	20 (0.4)
35-44 years	1,568	3 (0.2)	2,646	7 (0.3)	2	0 (0.0)	4,216	10 (0.2)
45-54 years	2,172	5 (0.2)	2,652	8 (0.3)	2	0 (0.0)	4,826	13 (0.3)
55-64 years	2,069	5 (0.2)	2,069	0 (0.0)	1	0 (0.0)	4,139	5 (0.1)
≥65 years	3,208	20 (0.6)	3,131	12 (0.4)	1	0 (0.0)	6,340	32 (0.5)
Unknown	41	1 (2.4)	41	0 (0.0)	0	0 (0.0)	82	1 (1.2)
Total, all age groups	13,009	64 (0.5)	15,213	70 (0.5)	13	0 (0.0)	28,235	134 (0.5)

* 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 2015*

Ethnic group	Number tested	Number positive (%)
Asian or Asian British origin	3,277	32 (1.0)
Black or Black British origin	450	4 (0.9)
Other and/or mixed origin	753	6 (0.8)
White or White British origin	23,129	86 (0.4)
Unknown ethnic origin	626	6 (1.0)
Total	28,235	134 (0.5)

* 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 2015*

PHE centre	Number tested	Number positive (%)
South West	8,814	20 (0.6)
East of England	363	0 (0.5)
North West	15,394	42 (0.3)
East Midlands	21,755	19 (0.4)
North East	1,993	11 (0.1)
South East	9,572	20 (0.5)
West Midlands	6,086	37 (0.6)
Yorkshire and Humber	6,763	25 (0.2)
London	20,227	141 (0.2)
Total	90,967	315 (0.3)

* 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 2015*

PHE centre	Number tested	Number positive (%)
South West	18,563	139 (0.7)
East of England	8,135	59 (0.7)
North West	36,153	284 (0.8)
East Midlands	16,347	148 (0.9)
North East	8,884	81 (0.9)
South East	16,859	153 (0.9)
West Midlands	9,787	298 (3.0)
Yorkshire and Humber	19,618	184 (0.9)
London	74,029	1,017 (1.4)
Total	208,375	2,363 (1.1)

* 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 2015*.

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	259	0 (0.0)	349	1 (0.3)	3	0 (0.0)	611	1 (0.2)
1-14 years	1,680	11 (0.7)	1,721	16 (0.9)	12	0 (0.0)	3,413	27 (0.8)
15-24 years	20,074	114 (0.6)	15,493	166 (1.1)	423	16 (3.8)	35,990	296 (0.8)
25-34 years	31,830	309 (1.0)	26,547	506 (1.9)	278	9 (3.2)	58,655	824 (1.4)
35-44 years	16,819	180 (1.1)	20,572	380 (1.8)	148	10 (6.8)	37,539	570 (1.5)
45-54 years	11,622	103 (0.9)	14,787	241 (1.6)	62	2 (3.2)	26,471	346 (1.3)
55-64 years	8,994	43 (0.5)	10,419	124 (1.2)	29	3 (10.3)	19,442	170 (0.9)
≥65 years	11,881	53 (0.4)	13,588	70 (0.5)	22	3 (13.6)	25,491	126 (0.5)
Unknown	220	2 (0.9)	272	1 (0.4)	271	0 (0.0)	763	3 (0.4)
Total, all age groups	103,379	815 (0.8)	103,748	1,505 (1.5)	1,248	43 (3.4)	208,375	2,363 (1.1)

* 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 2015*

PHE centre	Number tested	Number positive (%)
South West	17,456	267 (1.5)
East of England	5,270	81 (1.5)
North West	31,669	510 (1.6)
East Midlands	13,800	234 (1.7)
North East	9,799	69 (0.7)
South East	18,505	426 (2.3)
West Midlands	8,761	322 (3.7)
Yorkshire and Humber	17,062	297 (1.7)
London	54,149	829 (1.5)
Total	176,471	3,035 (1.7)

* 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 2015*.

Age group	Female		Male		Unknown		Total	
	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)
1-14	1,283	6 (0.5)	1,349	8 (0.6)	5	0 (0.0)	2,637	14 (0.5)
15-24	13,646	67 (0.5)	13,691	88 (0.6)	385	2 (0.5)	27,722	157 (0.7)
25-34	19,739	242 (1.2)	24,146	476 (2.0)	195	6 (3.1)	44,080	724 (1.6)
35-44	12,845	227 (1.8)	19,806	598 (3.0)	113	9 (8.0)	32,764	834 (2.5)
45-54	10,630	199 (1.9)	14,703	514 (3.5)	64	9 (14.1)	25,397	722 (2.8)
55-64	8,528	132 (1.5)	10,040	246 (2.5)	26	5 (19.2)	18,594	383 (2.1)
≥65	11,457	79 (0.7)	13,072	97 (0.7)	29	7 (24.1)	24,558	183 (0.7)
Unknown	192	8 (4.2)	259	10 (3.9)	268	0 (0.0)	719	18 (2.5)
Total, all age groups	78,320	960 (1.2)	97,066	2,037 (2.1)	1,085	38 (3.5)	176,471	3,035 (1.7)

* 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 2015*

PHE centre	Number tested	Number positive (%)
South West	88	2 (2.3)
East of England	228	12 (5.3)
North West	212	16 (7.5)
East Midlands	185	9 (4.9)
North East	88	3 (3.4)
South East	312	11 (3.5)
West Midlands	90	5 (5.6)
Yorkshire and Humber	141	4 (2.8)
London	1,170	38 (3.2)
Unknown	1	0 (0.0)
Total	2,515	100 (4.0)

* 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 2015*

PHE centre	Number tested	Number positive (%)
South West	1,360	163 (12.0)
East of England	1,769	94 (5.3)
North West	553	81 (14.6)
East Midlands	748	51 (6.8)
North East	774	49 (6.3)
South East	1,619	153 (9.5)
West Midlands	2,223	86 (3.9)
Yorkshire and Humber	694	45 (6.5)
London	2,632	107 (4.1)
Unknown	24	2 (8.3)
Total	12,396	831 (6.7)

* 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 2015*

PHE centre	Number tested	Number positive (%)
South West	21	0 (0.0)
East of England	362	0 (0.0)
North West	5,724	20 (0.3)
East Midlands	21,675	18 (0.1)
North East	2,508	1 (0.0)
South East	9,527	10 (0.1)
West Midlands	6,089	19 (0.3)
Yorkshire and Humber	6,112	9 (0.1)
London	13,309	24 (0.2)
Total	65,327	101 (0.2)

* 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 2015*

PHE centre	Number tested	Number positive (%)
South West	24	2 (8.3)
East of England	6,522	57 (0.9)
North West	50,147	339 (0.7)
East Midlands	24,434	123 (0.5)
North East	14,520	56 (0.4)
South East	38,438	365 (0.9)
West Midlands	13,175	223 (1.7)
Yorkshire and Humber	21,085	128 (0.6)
London	72,873	814 (1.1)
Total	241,218	2,107 (0.9)

* 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 2015*

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	43,549	86 (0.2)	30,070	196 (0.7)	833	3 (0.4)	74,452	285 (0.4)
25-34 years	40,559	169 (0.4)	35,574	506 (1.4)	614	7 (1.1)	76,747	682 (0.9)
35-44 years	18,651	143 (0.8)	20,336	420 (2.1)	245	2 (0.8)	39,232	565 (1.4)
45-54 years	9,709	83 (0.9)	12,675	295 (2.3)	109	2 (1.8)	22,493	380 (1.7)
55-64 years	5,413	38 (0.7)	7,773	102 (1.3)	35	1 (2.9)	13,221	141 (1.1)
≥65 years	5,888	12 (0.2)	8,409	37 (0.4)	16	0 (0.0)	14,313	49 (0.3)
Unknown	238	0 (0.0)	245	5 (2.0)	277	0 (0.0)	760	5 (0.7)
Total, all age groups	124,007	531 (0.4)	115,082	1,561 (1.4)	2,129	15 (0.7)	241,218	2,107 (0.9)

* 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 2015*

PHE centre	Number tested	Number positive (%)
South West	31	5 (16.1)
East of England	432	2 (0.5)
North West	1,560	6 (0.4)
East Midlands	29	3 (10.3)
North East	552	2 (0.4)
South East	808	9 (1.1)
West Midlands	384	4 (1.0)
Yorkshire and Humber	64	3 (4.7)
London	2,436	48 (2.0)
Unknown	2	0 (0.0)
Total	6,298	82 (1.3)

* 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 2015*.

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	24	0 (0.0)	35	1 (2.9)	0	0 (0.0)	59	1 (1.7)
1-14 years	96	2 (2.1)	125	1 (0.8)	0	0 (0.0)	221	3 (1.4)
15-24 years	231	0 (0.0)	206	2 (1.0)	3	0 (0.0)	440	2 (0.5)
25-34 years	532	8 (1.5)	418	2 (0.5)	10	0 (0.0)	960	10 (1.0)
35-44 years	447	4 (0.9)	505	4 (0.8)	3	0 (0.0)	955	8 (0.8)
45-54 years	538	12 (2.2)	641	2 (0.3)	10	0 (0.0)	1,189	14 (1.2)
55-64 years	513	11 (2.1)	601	6 (1.0)	5	0 (0.0)	1,119	17 (1.5)
≥65 years	451	16 (3.5)	556	6 (1.1)	4	0 (0.0)	1,011	22 (2.2)
Unknown	105	3 (2.9)	51	1 (2.0)	188	1 (0.5)	344	5 (1.5)
Total, all age groups	2,937	56 (1.9)	3,138	25 (0.8)	223	1 (0.4)	6,298	82 (1.3)

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