



Public Health
England

Protecting and improving the nation's health

Annual report from the sentinel surveillance study of blood borne virus testing in England: Supplementary tables for January to December 2016

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1. Hepatitis A IgM testing

Supplementary Table 1. Number of individuals tested, and testing positive, for anti-HAV IgM in participating centres, January – December 2016*

PHE centre	Number tested	Number positive (%)
East of England	3,674	20 (0.5)
London	11,045	69 (0.6)
North East	607	8 (1.3)
North West	2,784	23 (0.8)
South East	4,150	17 (0.4)
South West	2,876	5 (0.2)
West Midlands	1,792	9 (0.5)
East Midlands	3,674	20 (0.5)
Yorkshire and Humber	2,470	13 (0.5)
Total	32,480	176 (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 2016*†.

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	72	0 (0.0)	120	0 (0.0)	0	0 (0.0)	192	0 (0.0)
1-14 years	361	18 (5)	427	20 (4.7)	0	0 (0.0)	788	38 (4.8)
15-24 years	1,739	6 (0.3)	1,728	9 (0.5)	2	0 (0.0)	3,469	15 (0.4)
25-34 years	2,694	11 (0.4)	3,187	20 (0.6)	5	0 (0.0)	5,886	31 (0.5)
35-44 years	1,921	4 (0.2)	3,171	20 (0.6)	9	0 (0.0)	5,101	24 (0.5)
45-54 years	2,416	12 (0.5)	2,955	10 (0.3)	1	0 (0.0)	5,372	22 (0.4)
55-64 years	2,248	7 (0.3)	2,397	7 (0.3)	1	0 (0.0)	4,646	14 (0.3)
≥65 years	3,428	17 (0.5)	3,490	12 (0.3)	1	0 (0.0)	6,919	29 (0.4)
Unknown	46	0 (0.0)	41	1 (2.4)	20	2 (10.0)	107	3 (2.8)
Total, all age groups	14,925	75 (0.5)	17,516	99 (0.6)	39	0 (0.0)	32,480	176 (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 2016*

Ethnic group	Number tested	Number positive (%)
Asian or Asian British origin	3,996	41 (1.0)
Black or Black British origin	1,037	4 (0.4)
Other and/or mixed origin	1,070	8 (0.8)
White or White British origin	25,283	114 (0.5)
Unknown ethnic origin	1,094	9 (0.8)
Total	32,480	176 (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 2016*

PHE centre	Number tested	Number positive (%)
East of England	4,815	2 (0.0)
London	26,529	142 (0.5)
North East	1,918	4 (0.2)
North West	12,837	41 (0.3)
South East	9,015	24 (0.3)
South West	7,466	20 (0.3)
East Midlands	16,553	14 (0.1)
West Midlands	5,820	34 (0.6)
Yorkshire and Humber	6,272	15 (0.2)
Total	91,225	296 (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 screening

Supplementary Table 5. Number of individuals tested, and testing positive for HBsAg in participating centres (excluding antenatal testing), January – December 2016*

PHE centre	Number tested	Number positive (%)
East of England	12,338	92 (0.8)
London	135,504	1,567 (1.2)
North East	10,132	93 (0.9)
North West	34,214	304 (0.9)
South East	17,049	156 (0.9)
South West	17,687	124 (0.7)
East Midlands	17,155	131 (0.8)
West Midlands	7,467	141 (1.9)
Yorkshire and Humber	19,672	222 (1.1)
Total	271,218	2,830 (1.0)

* 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 2016*.

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	288	4 (1.4)	372	3 (0.8)	8	0 (0.0)	668	7 (1.0)
1-14 years	1,961	13 (0.7)	2,049	24 (1.2)	7	0 (0.0)	4,017	37 (0.9)
15-24 years	23,834	113 (0.5)	18,670	166 (0.9)	244	6 (2.5)	42,748	285 (0.7)
25-34 years	42,475	334 (0.8)	34,637	594 (1.7)	256	5 (2.0)	77,368	933 (1.2)
35-44 years	24,185	239 (1.0)	26,923	492 (1.8)	165	7 (4.2)	51,273	738 (1.4)
45-54 years	14,849	144 (1.0)	19,154	317 (1.7)	66	2 (3.0)	34,069	463 (1.4)
55-64 years	11,652	67 (0.6)	13,739	148 (1.1)	19	1 (5.3)	25,410	216 (0.9)
≥65 years	16,067	65 (0.4)	18,198	79 (0.4)	17	1 (5.9)	34,282	145 (0.4)
Unknown	337	1 (0.3)	534	3 (0.6)	512	2 (0.4)	1,383	6 (0.4)
Total, all age groups	135,648	980 (0.7)	134,276	1826 (1.4)	1,294	24 (1.9)	271,218	2,830 (1.0)

* 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 2016*

PHE centre	Number tested	Number positive (%)
East of England	8,730	105 (1.2)
London	114,143	1,460 (1.3)
North East	10,910	116 (1.1)
North West	30,755	502 (1.6)
South East	17,754	342 (1.9)
South West	16,552	270 (1.6)
East Midlands	13,848	182 (1.3)
West Midlands	7,006	108 (1.5)
Yorkshire and Humber	17,025	182 (1.1)
Total	236,723	3,267 (1.4)

* 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 2016*.

Age group	Female		Male		Unknown		Total	
	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)	Number tested	Number positive (%)
1-14	1,586	4 (0.3)	1597	9 (0.6)	5	0 (0.0)	3,188	13 (0.4)
15-24	17,010	69 (0.4)	17,141	81 (0.5)	178	2 (1.1)	34,329	152 (0.4)
25-34	26,942	235 (0.9)	32,997	490 (1.5)	173	5 (2.9)	60,112	730 (1.2)
35-44	18,407	224 (1.2)	26,831	610 (2.2)	112	3 (2.7)	45,350	837 (1.8)
45-54	14,008	202 (1.4)	19,581	557 (2.8)	40	1 (2.5)	33,629	760 (2.3)
55-64	11,302	147 (1.3)	13,606	328 (2.4)	20	2 (10.0)	24,928	477 (1.9)
≥65	15,901	117 (0.7)	17,907	152 (0.8)	12	0 (0.0)	33,820	269 (0.8)
Unknown	315	8 (2.5)	551	21 (3.8)	501	0 (0.0)	1,367	29 (2.1)
Total, all age groups	105,471	1006 (1)	130,211	2248 (1.7)	1,041	13 (1.2)	236,723	3,267 (1.4)

* 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 2016*

PHE centre	Number tested	Number positive (%)
East of England	302	8 (2.6)
London	1,136	30 (2.6)
North East	82	3 (3.7)
North West	228	13 (5.7)
South East	349	9 (2.6)
South West	115	3 (2.6)
East Midlands	190	15 (7.9)
West Midlands	135	4 (3.0)
Yorkshire and Humber	136	5 (3.7)
Total	2,673	90 (3.4)

* 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 2016*

PHE centre	Number tested	Number positive (%)
East of England	2,486	116 (4.7)
London	3,291	108 (3.3)
North East	998	34 (3.4)
North West	330	91 (27.6)
South East	1,823	98 (5.4)
South West	1,626	112 (6.9)
East Midlands	2,491	78 (3.1)
West Midlands	3,016	98 (3.3)
Yorkshire and Humber	1,504	61 (4.1)
Total	17,565	796 (4.5)

* 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 2016*

PHE centre	Number tested	Number positive (%)
East of England	4,800	1 (0.0)
London	26,238	29 (0.1)
North East	2,291	0 (0.0)
North West	5,497	8 (0.2)
South East	8,995	10 (0.1)
South West	25	0 (0.0)
East Midlands	16,502	8 (0.0)
West Midlands	5,804	11 (0.2)
Yorkshire and Humber	6,247	8 (0.1)
Total	76,399	75 (0.1)

* 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 2016*

PHE centre	Number tested	Number positive (%)
East of England	9,889	32 (0.3)
London	228,275	1,443 (0.6)
North East	14,995	66 (0.4)
North West	50,681	332 (0.7)
South East	35,795	359 (1.0)
South West	37	0 (0.0)
East Midlands	26,567	128 (0.5)
West Midlands	8,628	84 (1.0)
Yorkshire and Humber	24,402	142 (0.6)
Total	399,269	2,586 (0.6)

* 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 2016*

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	59,604	72 (0.1)	42,198	200 (0.5)	464	0 (0.0)	102,266	272 (0.3)
25-34 years	72,835	147 (0.2)	62,546	593 (0.9)	475	4 (0.8)	135,856	744 (0.5)
35-44 years	33,762	208 (0.6)	35,409	533 (1.5)	222	3 (1.4)	69,393	744 (1.1)
45-54 years	16,554	114 (0.7)	22,354	432 (1.9)	83	3 (3.6)	38,991	549 (1.4)
55-64 years	9,840	55 (0.6)	13,392	131 (1.0)	25	2 (8.0)	23,257	188 (0.8)
≥65 years	12,483	25 (0.2)	15,476	50 (0.3)	18	0 (0.0)	27,977	75 (0.3)
Unknown	432	0 (0.0)	527	7 (1.3)	570	7 (1.2)	1,529	14 (0.9)
Total, all age groups	205,510	621 (0.3)	191,902	1,946 (1.0)	1,857	19 (1.0)	399,269	2,586 (0.6)

* 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 2016*

PHE centre	Number tested	Number positive (%)
East of England	535	5 (0.9)
London	2,568	56 (2.2)
North East	644	2 (0.3)
North West	1,950	11 (0.6)
South East	763	6 (0.8)
South West	48	6 (12.5)
East Midlands	74	1 (1.4)
West Midlands	376	13 (3.5)
Yorkshire and Humber	48	0 (0.0)
Total	6,298	100 (1.4)

*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 2016*.

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	22	0 (0.0)	15	0 (0.0)	4	0 (0.0)	41	0 (0.0)
1-14 years	83	3 (3.6)	106	2 (1.9)	0	0 (0.0)	189	5 (2.6)
15-24 years	207	0 (0.0)	263	1 (0.4)	7	0 (0.0)	477	1 (0.2)
25-34 years	504	6 (1.2)	464	5 (1.1)	9	0 (0.0)	977	11 (1.1)
35-44 years	398	10 (2.5)	503	8 (1.6)	5	0 (0.0)	906	18 (2.0)
45-54 years	504	8 (1.6)	656	3 (0.5)	6	0 (0.0)	1166	11 (0.9)
55-64 years	609	11 (1.8)	792	16 (2.0)	4	1 (25.0)	1405	28 (2.0)
≥65 years	694	14 (2.0)	811	10 (1.2)	1	0 (0.0)	1506	24 (1.6)
Unknown	23	2 (8.7)	44	0 (0.0)	272	0 (0.0)	339	2 (0.6)
Total, all age groups	3,044	54 (1.8)	3,654	45 (1.2)	308	1 (0.3)	7,006	100 (1.4)

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

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