

Communicable Disease Report

Preliminary results of the unlinked anonymous HIV prevalence monitoring programme in England and Wales

On 17 May the Department of Health released the initial results from this programme. The Ministerial announcement stated that:

"The overall prevalence of HIV infection in women attending certain ante-natal clinics in inner London is one in 500. These figures show a five fold range from about one in 200 to more than one in 1,000 in the inner London clinics surveyed. In the small number of clinics surveyed in outer London and the South East there was a wider range from about one in 300 to one in 2,500 but half these clinics had no positive results.

In other parts of the country only one test in 16,000 in ante-natal clinics was positive.

Among heterosexual women attending certain Sexually Transmitted Diseases (STD) clinics in inner London prevalence is one in 500, however it is one in 100 for heterosexual men. Among homosexual and bisexual men attending the same clinics there is evidence of continuing transmission; the current prevalence rate is one in five."

The Department of Health is setting up an AIDS Action Group, chaired by the Minister, to reinforce action in areas with high prevalence rates and to address issues such as access to local services, local prevention and educational initiatives and how to reach particular groups such as women and children and ethnic minorities.

A full report on the preliminary results will be published in the Communicable Disease Report.

Hepatitis:

weeks 91/17 - 20

Miscellaneous viruses

weeks 91/17 - 20

Sexually transmitted diseases:

weeks 91/17 - 20

Bacteraemia and bacterial meningitis:

weeks 91/17 - 20

Unusual infections

Imported infections

Opportunist infections

***Salmonella typhimurium* DT 193**

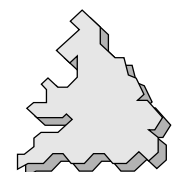
Since mid-April the Division of Enteric Pathogens has identified 31 isolates of a furazolidone, trimethoprim and sulphonamide-resistant *Salmonella typhimurium* DT 193. All of the isolates of this unusual organism originated from laboratories in the North West and North Wales: Liverpool (7); Manchester (6); Burnley (5); Bury (4); Preston (4); Wrexham (2); Rochdale, Blackburn and Rhyl (1 each).

The youngest case was 8 months old, 4 were 1-5 years old and the remaining 27 ranged from 15-87 years of age.

CDSC would be grateful for information on any cases which may be linked to this outbreak.

CDR subscriptions: reminder

Shortly the new mailing list for CDR will be in use. Current recipients who have not returned a subscription form may find that their supply is discontinued. It is therefore important to return your slip if you wish to continue to receive CDR; duplicate forms are available on request.



Hepatitis, England and Wales: laboratory reports weeks 91/17 - 20

Laboratory reports	Number of reports received				Total for weeks 91/17-20	Cumulative total 1991
	91/17	91/18	91/19	91/20		
Hepatitis A (IgM)	173	114	208	113	608	3126
HBsAg total	68	34	51	31	184	796
acute hepatitis B	18	11	14	9	52	236
other	50	23	37	22	132	560

Hepatitis A

A total of 608 reports was received, including M 63y who was a recent blood transfusion recipient. Two deaths were reported, an alcoholic 43 year old male who developed fulminant hepatic failure, and a 20 year old male with hepato-renal failure.

Further reports from continuing community outbreaks were received: Hartlepool 6 (3 male, 3 female); Airedale 27 (7 male, 20 female); Corby/Kettering 21 (11 male, 10 female); Cardiff 13 (5 male, 8 female); Durham 10 (5 male, 4 female, 1 sex not stated).

No reports of new community outbreaks were received.

Family outbreaks were reported from Wales and the following regions: Northern (2), Yorkshire (2), Trent (2), NW Thames (1), NE Thames (3), SE Thames (3), S Western (1), W Midlands (7), Mersey (2) and N Western (1); and school outbreaks were reported from E Anglia and Wessex regions.

A history of travel abroad was recorded in 27 of 608 reports (4%): Indian subcontinent 7, Far East 3, South America 2, Europe/Mediterranean 4, Middle East 3, Africa 3, other 5.

Laboratory reports	Age (years)					Not stated	Total
	<1	1-14	15-44	45-64	≥65		
Hepatitis A (IgM)	1	193	346	32	8	28	608
HBsAg total	–	7	126	27	5	19	184
acute hepatitis B	–	2	41	5	1	3	52
other	–	5	85	22	4	16	132

Hepatitis B

Fifty-two cases of acute hepatitis B were reported (40 male and 12 female). Risk exposure information was given for 34: homosexual contact 10; injecting drug use 8 (4 male, 4 female); heterosexual contact 4 (2 male, 2 female); surgery and/or

transfusion 3 (2 male, 1 female); other 6 (5 male, 1 female) including M 5y orphan from Liberia; no recognisable risk 3 (2 male, 1 female).

Miscellaneous viruses, England and Wales: laboratory reports weeks 91/17 - 20

Laboratory reports	Number of reports received				Total for weeks 91/17-20	Cumulative total 1991
	91/17	91/18	91/19	91/20		
Cytomegalovirus	27	32	7	23	89	449
Molluscum contagiosum	1	4	1	–	6	18
Varicella zoster	8	3	3	2	16	81
HTLV-1	1	–	–	–	1	8

Cytomegalovirus: 2 regions reported more than 10% cases: NW Thames (10 cases) and W Midlands (14).

Ages: 9 babies aged less than one year, including 2 neonates; 11 children aged 1-4 years; 2, 5-9 years and 2, 10-14 years; 41 adults aged 15-44 years; 14, 45-64 years and 6 aged 65 years or more; 4 age not stated. 27 patients had organ transplants; 12 were immunosuppressed and 2 were known to be HIV-1 antibody positive. Nine patients had hepatitis and 10 had fever/lymphadenopathy; 6 had respiratory tract infections; M 30y with legionella pneumonia had CMV also (broncho-alveolar lavage); 2 patients had retinopathy. F 6y presented with polyneuritis and M 15y had Guillain-Barré syndrome. **Epstein-Barr virus:** M 11y had thrombocytopenia; M 18y with severe throat infection required urgent tracheostomy; M 19y and F 19y had meningoencephalitis.

Molluscum contagiosum: 2 children aged less than 15 years and 4 adults.

Herpes simplex: M 6y, M 47y, M 53y and F 54y had encephalitis. M 21y with encephalitis, hepatitis and acute renal failure had respiratory syncytial virus also. F 23y had lymphocytic meningitis (CSF isolate).

Varicella zoster: 5 patients aged 3-26 years had chickenpox pneumonia (2 pregnant); M 26y with AIDS had disseminated zoster; M 65y developed transverse myelitis.

HTLV-1: M 61y.

Papillomavirus 1: F 26y with verrucae.

Papovavirus 1: M 5y after bone marrow transplant.

Polyomavirus 2: M 25y after bone marrow transplant; F 49y with SLE.

Sexually transmitted diseases, England and Wales: laboratory reports weeks 91/17 - 20

Laboratory reports	Male	Female	Not stated	Total for weeks 91/17-20	Cumulative total 1991
<i>Neisseria gonorrhoeae</i>					
β-lactamase producing	4	2	—	6	39
other penicillin-resistant strains	—	5	—	5	34
extra genital isolates (penicillin sensitive)	4	1	1	6	88
Ophthalmia neonatorum (<6 weeks)					
gonococcal	—	1	—	1	8
chlamydia	14	16	5	35	171
Chlamydia trachomatis	762	1533	38	2333	13284
Herpes simplex	329	498	21	848	3811

Comment

***Neisseria gonorrhoeae*, β-lactamase producing strains.** Country of infection: one had recently visited Nigeria, another was from Pakistan. **Spectinomycin-resistant strains:** 5. **Extra-genital isolates:** 2 from throat (1 male and 1 female) and 4 from rectum (3 male and 1 female).

***Chlamydia trachomatis*, genital tract infections:** 2295 (739 male and 1518 female).

Eye infections: 35 babies aged less than 6 weeks; 7 children aged 6 weeks or more; 23 adults and 2 patients age not stated. 2 women with pelvic inflammatory disease and 3 with infertility.

Bacteraemia and bacterial meningitis, England and Wales: laboratory reports 91/17 - 20

Laboratory reports	No. of reports received		Age		Total for weeks 91/17-20	Cumulative total 1991
	Blood only	CSF only or CSF & blood	<1m	≥65y		
<i>Bacteroides sp</i>	88	—	3	46	88	345
<i>Clostridium sp</i>	23	—	1	7	23	129
Anaerobic cocci	9	—	—	7	9	61
<i>Acinetobacter sp</i>	11	—	—	1	11	81
<i>Aeromonas sp</i>	3	—	—	2	3	10
<i>Pseudomonas sp</i>	90	2	3	42	92	458
<i>Serratia sp</i>	8	1	1	1	9	62

Bacteraemia

Bacteroides sp: *B. corporis* 1; *B. distasonis* 2; *B. fragilis* 57; *B. gingivalis* 1; *B. melaninogenicus* 3; *B. oralis* 1; *B. ovatus* 4; *B. ruminicola* 1; *B. uniformis* 2; *B. vulgatus* 1. *B. fragilis*, F 21y with glandular fever and vaginal discharge; M 57y on haemodialysis and F 89y, both with osteomyelitis, and F 48y with tubo-ovarian abscess (blood isolate). *B. melaninogenicus*, M 46y with pleural empyema after sore throat (pleural aspirate). ***Fusobacterium sp*** 4: *F. necrophorum*, F 21y after termination of pregnancy, and M 66y with carcinomatosis. *F. nucleatum*,

male with leukaemia. *Fusobacterium sp*, F 52y with nasopharyngeal tumour had group C streptococci also.

Clostridium sp: *C. bifermentans* 1; *C. beijerinckii* 1; *C. perfringens* 12; *C. ramosum* 1; *C. septicum* 3. *C. perfringens*, baby 10w with tracheostomy (blood isolate).

Also reported: *C. perfringens*, M 48y with post-operative fever (CVP tip isolate).

Eubacterium lentum: M 69y with pressure sores (blood isolate).

Laboratory reports	Total bacteraemia	Gastrointestinal tract	Biliary tract (ERCP)	UTI/GU (pregnant)	Ischaemic/pressure sores
<i>Bacteroides sp</i>	88	38	8 (—)	10 (2)	3
<i>Clostridium sp</i>	23	5	1 (—)	4 (3)	2
Anaerobic cocci	9	—	—	2 (2)	—

Acinetobacter sp: *A. calcoaceticus (anitratu)* 6; *A. lwoffii* 2. M 59y had biliary tract disease.

Alcaligenes sp: M 82y with lymphoma (blood isolate).

Aeromonas sp: *A. hydrophila* 2; *A. salmonicida* 1. 2 patients had biliary tract disease including woman with *A. salmonicida* bacteraemia; F 78y had recent gastrointestinal surgery.

Pseudomonas sp: *P. aeruginosa* 60; *P. cepacia* 1; *P. fluorescens* 7; *P. maltophilia* 9; *P. paucimobilis* 1. 4 patients had biliary tract disease (ERCP 1). *P. maltophilia*, M 2y with septic arthritis.

Serratia sp: *S. liquefaciens* 4; *S. marcescens* 5. *S. liquefaciens*, M 20y with osteomyelitis (blood, wound isolates).

Laboratory reports	Total bacteraemia	UTI/GU (pregnant)	Burns	Intravascular lines	Leukaemia/bone marrow suppression (IV-lines)
<i>Acinetobacter sp</i>	11	–	1	2	4 (1)
<i>Aeromonas sp</i>	3	–	–	–	–
<i>Pseudomonas sp</i>	90	16 (–)	1	8	19 (3)
<i>Serratia sp</i>	8	1 (–)	–	–	2 (–)

Meningitis

Pseudomonas aeruginosa: M 12d; F 39y after surgery for removal of meningioma.

Serratia marcescens: preterm M 13d.

Unusual infections

Aerococcus viridans 2: F 18y with fever after caesarean section and female patient with pneumonia (both blood isolates).

Bacillus sp 2: *B. cereus*, M 10y with burns (skin isolate). *B. circulans*, immunosuppressed M 10y with IV-line (blood isolate).

Diphtheroids 2: male with prosthetic valve endocarditis and immunosuppressed M 72y (both blood isolates).

Eikenella corrodens: M 58y (blood isolate).

Flavobacterium sp: M 28y with fever and diarrhoea (blood

isolate).

Gardnerella vaginalis: F 24y (placenta) and her baby (umbilicus, throat, eye isolates).

Haemophilus aphrophilus and *Actinomyces israelii*: M 3y with congenital heart disease and cerebral abscess (pus).

Propionibacterium acnes: F 59y with cerebral tumour and CSF shunt (ventricular CSF and shunt isolates).

Providencia stuartii: M 77y with IV-line (blood isolate).

Imported infections

Clonorchis sinensis 1: M 28y.

Filaria sp 1: *Onchocerca volvulus*.

Hookworms 35 (Cameroun 1; Nigeria 1; Zimbabwe 1; Pakistan 2; Asia 1; S America 1).

Plasmodium sp 27: *P. falciparum* 5 (Cameroun, Tanzania,

Zimbabwe, W Africa 1 each). *P. vivax* 22 (Kenya 1; Sudan 1; India 4; Thailand 1; Papua New Guinea 1; Asia 1).

Schistosoma sp 2: both *S. haematobium*.

Strongyloides 6 (Nigeria, Tanzania, Bangladesh, SE Asia 1 each).

Opportunist infections

Actinomyces 9: *A. israelii* 4; *A. meyeri* 2; *A. naeslundii* 1; *A. odontolyticus* 1. Three women with IUCDs; 3 patients with oro-facial infections; F 41y with neck abscess. *A. israelii*, M 3y with cyanotic congenital heart disease and cerebral abscess had *Haemophilus aphrophilus* also, see unusual infections (brain isolates). *A. meyeri*, F 6y with middle ear infection and cerebral abscess (brain isolate).

Aspergillus fumigatus 1: M 35y with leukaemia (sputum).

Candida sp 10 (all blood isolates): *C. albicans* 5; *C. parapsilosis* 1; *C. tropicalis* 3. 4 patients had IV-lines; 1 had vascular surgery and 1 had bone marrow transplant.

Pneumocystis carinii 13: including 6 known HIV-1 antibody positive males and 3 other immunocompromised patients (all sputum/broncho-alveolar lavage).

Torulopsis glabrata 1 (blood isolate).

From week 91/01 data in CDR will be from England and Wales only, unless otherwise stated.

Weekly numbers are provisional and should not be used to indicate trends