

Communicable Disease Report

Infectious diseases surveillance system using EPI INFO version 5

The Welsh Unit of CDSC has made available a package intended as a surveillance system for infectious diseases in the community. It allows cases and their associated details to be stored in a district database, with facilities to build a regional infectious diseases database from it. Unique case numbering is used to ensure compatibility of these databases and prevent case duplication. Patient contacts data are also stored in relation to these case numbers.

Data entry is eased by the extensive use of window displays which enable the operator to select valid entries. Furthermore, the system includes verification of the more important data fields against other related fields. Programs are provided to facilitate the production of OPCS reports, and to list payments due to notifiers. Further detailed analysis of the database can be performed using familiar EPI INFO facilities and commands.

This surveillance system and EPI INFO are available to the public health community. Both run on IBM compatible microcomputers. The surveillance system may be obtained from Dr Ray Henry and Mike Roberts at CDSC (Welsh Unit), Abton House, Wedal Road, Roath, Cardiff CF4 3QX.

CCDC Conference

A two-day conference for CCDCs is being held at PHLS Colindale on 3-4 June 1991. The conference which is being organised by the Department of Health in collaboration with the Public Health Medicine Environmental Group and the PHLS will cover a range of current issues in the field of communicable disease control. For further information and registration details please contact Mr L Rieunier (telephone 071 972 1108; fax 071 972 2927).

AIDS Control Act 1991 reports: District information

Guidance for completion of this year's AIDS Control Act returns from Regions and Districts was circulated in an executive letter from the Department of Health (EL(91)52).

This week, the PHLS AIDS Centre at CDSC sent to regional consultants in public health medicine the necessary data to enable District co-ordinators to complete forms A (C) A1, A2 and A3 of circular EL(91)52.

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.

Virus infections:
weeks 91/14 - 17

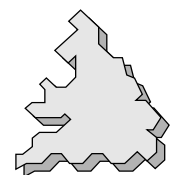
Animal-associated infections:
weeks 91/14 - 17

Selected bacterial infections:
weeks 91/14 - 17

Bacteraemia and bacterial meningitis:
weeks 91/14 - 17

Unusual infections:
weeks 91/14 - 17

Notices



Virus infections, England and Wales: laboratory reports weeks 91/14 - 17

Laboratory reports	Number of reports received				Total reports 91/14-17	Cumulative total for 1991
	91/14	91/15	91/16	91/17		
Coxsackie A	–	1	1	1	3	24
Coxsackie B	3	4	8	6	21	87
Echovirus	1	3	2	4	10	99
Measles	–	1	–	1	2	12
Mumps	1	2	1	–	4	21
Parvovirus B19	16	15	13	34	78	274
Rubella	10	6	9	7	32	99

Coxsackie A, 2 young children and 2 adults: A7, 2; A9, 1. A9, M 20y with meningitis (CSF isolate).

Coxsackie B, 9 children and 12 adults: B1, 3; B2, 2; B3, 7; B4, 8 including 5 from Northern region; B5, 2.

Two adults with meningitis were reported: B1, F 39y and B2, F 26y (both CSF isolates).

The number of coxsackie A and B infections reported is low.

Echovirus, 9 children aged less than 5 years and one adult: type 2, 1; type 5, 2; type 17, 1; type 22, 7; type 30, 1.

Two patients with meningitis were reported: type 2, F 33y and type 5, F 5m (both CSF isolates).

The number of reports received weekly remains low and most are from children with mild respiratory or diarrhoeal illnesses.

Notifications to OPCS of measles, mumps and rubella, England and Wales

Notifications					Total 91/14-17	Cumulative total for 1991
	91/14	91/15	91/16	91/17		
Measles	174	171	183	194	722	3127
Mumps	49	55	58	51	213	1007
Rubella	123	138	147	150	558	2426

Measles, one child aged 4 years with subacute sclerosing panencephalitis (SSPE); one adult.

Notifications continue to be at the lowest levels recorded.

Mumps, 2 children and 2 adults: M 1y and F 28y had meningitis; M 62y had orchitis.

Parvovirus (B19): 3 regions reported 10% or more cases: Yorkshire (11 cases), N Western (8) and Wales (19).

Ages: 10 children aged less than 15 years; 59 patients aged 15-44 years; 3 aged 45-64 years; 2, 65 or more years; 4 not stated. 51 patients had rash; 53 had arthralgia; 6 presented with anaemia, including 2 members of one family with

hereditary spherocytosis.

The number of reports received weekly remains steady.

Reovirus 1: M 2y with diarrhoea (faeces).

Rubella: 2 regions reported 4 or more cases: Wessex (4), and S Western (9).

Ages: 30 adults aged 15-44 years, including 13 women (2 pregnant); 2 adults aged 45-64 years. 6 patients presented with arthralgia.

The number of cases reported during the last 4 weeks is very comparable to the previous 4 weeks.

Animal-associated infections, England and Wales: laboratory reports weeks 91/14 - 17

Borrelia burgdorferi: M 62y (serol).

Chlamydia psittaci: F 35y with fever had miscarriage at 22nd week of pregnancy after assisting with lambing (placenta).

Corynebacterium ulcerans (toxigenic): F 43y with membranous pharyngitis (postnasal biopsy specimen).

Orf paravaccinia 2: M 48y with hand lesion; F 28y after handling lambs.

Pasteurella 13: *P. multocida* 11; *P. pneumotropica* 1; *pasteurella*

sp 1. 4 patients had dog bites; 3 had cat bites/scratches; 4 had other infected skin lesions. F 49y with SLE had septic arthritis (blood isolate). *P. pneumotropica*, M 89y with chest infection (blood isolate).

Toxocara 3: one child and 2 adults with eye lesions.

Toxoplasma 51: 24 patients had lymphadenopathy (histology suggestive 11); 10 had eye lesions; 5 men were known to be HIV-1 antibody positive.

Selected bacterial infections, England and Wales: laboratory reports 91/14 - 17

Bordetella pertussis 23: no region reported more than 3 cases. Ages: 8 aged less than 6 months, all aged 3 months or less and including one neonate aged 2 weeks; 3 children aged 6-11 months; 6 aged 1-5 years; and 6 aged 6-14 years.

Chlamydia trachomatis: M 1m with pneumonia (NPA).

Streptococcus group A: M 33y with pharyngitis and rash

(ASO and antiDNase B titres).

Outbreaks: 6 women with puerperal infection in a post natal ward (genital tract isolates). 22 children with tonsillitis and rash in a primary school; 63 at risk (throat isolates).

Streptococcus group C: 3 women with puerperal infection in a postnatal ward (genital tract isolates).

Bacteraemia and bacterial meningitis, England and Wales: laboratory reports, weeks 91/14 - 17

Laboratory reports	No of reports received		Age		Total received	Cumulative total for 1991
	Blood only	CSF only or CSF & blood	<1m	≥65y		
Neisseria meningitidis	26	69	1	5	95 (29) *	488
group A	—	—			—	
B	14	40			54 (15) *	
C	7	22			29 (13) *	
W135	1	—			1 (1) *	
Y	1	1			2 (—)	
ungrouped	3	6			9 (—)	
Haemophilus influenzae	45	29	—	10	74 (1) §	433
type b	20	18			38 (1)	
Listeria monocytogenes	8	1	—	4	9	24

* sulphonamide-resistant

§ β-lactamase producing

Neisseria meningitidis: 3 regions reported more than 10% of cases: S Western (11 cases), W Midlands (13) and N Western (14).

20 patients presented with rash and F 4y had purulent conjunctivitis for 3 days before septicaemic illness (eye, throat, blood isolates).

29 sulphonamide-resistant strains were reported: **group B**, 15 (Northern, Yorkshire, NE Thames, SE Thames 2, SW Thames, Wessex 3, S Western 2, W Midlands 2 and N Western 2); **group C**, 13 (Northern, Yorkshire, E Anglia, NW Thames 2, S Western

2, W Midlands 4, N Western and Wales); **group W135**, 1 (NW Thames).

Also reported: M 16y (serum antibody); F 17 y with CSF pleocytosis and negative blood/CSF cultures (low titre CSF antibody); M 43y with rash and meningitis (CSF microscopy only). **Group B**, F 16y with rash and meningitis (nose isolate only) and F 1y with meningitis (throat isolate only). **Group C**, F 2y with meningitis (throat isolate only) and F 18y with quinsy (aspirate).

Notifications to OPCS of meningitis and meningococcal infections, England and Wales

Notifications	91/14	91/15	91/16	91/17	Total 91/14-17	Cumulative total for 1991
Total meningitis	55	57	55	55	222	1041
Meningococcal meningitis	32	27	27	22	108	550
Meningococcal septicaemia	10	7	3	9	29	123

Age distribution laboratory reports

Laboratory reports	Age (years)										Not stated
	<1	1	2	3	4	5-9	10-14	15-19	20-24	≥25	
Neisseria meningitidis	18*	12	9	3	4	7	4	13	3	20	2
Haemophilus influenzae	17§	15	9	6	2	—	—	—	2	19	4

* includes 4 aged ≤3 months

§ includes 2 aged ≤3 months

Haemophilus influenzae: 3 regions reported more than 10% of cases: Northern (8 cases), Trent (9) and W Midlands (11). F 9m with pulmonary atresia had endocarditis. 3 children, M 51y and M 74y had ampicillin-resistant strains including F 1y with infected nasal polyps (blood isolate) (Trent, Oxford, S

Western, Mersey, Wales). One β-lactamase producing strain was reported from Northern region.

4 adults had epiglottitis: F 24y, F 34y with meningitis also, M 51y and F 59y (*type b*, 3). Also reported: M 7m with meningitis (antigen detected in blood, CSF and urine).

H. influenzae clinical features recorded on laboratory reports

Clinical features	Age (years)				Not stated
	≤3	4-14	15-64	≥65	
Meningitis (blood isolate only)	29 (1)	—	2 (1)	1	—
Epiglottitis	6	1	4	1	1
Pneumonia	2	—	3	6	—
Septic arthritis/osteomyelitis	—	—	—	—	—
Facial cellulitis	5	—	—	—	1

Listeria monocytogenes: M 53y with myeloma (blood, CSF isolates) and F 64y (blood isolate only) both had meningitis. Bacteraemia: M 46y with AIDS; diabetic M 57y with leukaemia;

F 71y with endocarditis; M 75y who had history of splenectomy; M 81y with leukaemia; M 84y; and female after renal transplant.

Unusual infections

Achromobacter sp: male with leukaemia (blood isolate).

Cardiobacterium hominis 2: M 53y with endocarditis (blood isolate) and F 8y with heart valve prosthesis who had recent dental surgery (blood isolate).

Diphtheroids: 3 immunocompromised adults, two of whom have IV-lines (all blood isolates).

Hafnia alvei: M 59y with Wegener's granulomatosis had

post-nasal pack (blood isolate).

Lactobacillus sp: F 20y with fever after caesarean section (blood isolate).

Providencia sp 2: M 82y had streptococcus faecalis also (blood isolate). *P. alcalifaciens*, male patient with urinary tract disease (blood isolate).

Foodborne infection and the Food Safety Act 1990

A seminar will be held on "Foodborne infection and the Food Safety Act 1990: the theory and practice" at Eynesham Hall, North Leigh, Oxford on Monday 24 June, 1991. Speakers will include microbiologists, consumer representatives and environmental health officers.

For further information, please contact Mr K R Dalton, West Oxfordshire District Council, Woodgreen, Witney, Oxon OX8 6NB. Telephone 0993 702941 extn 2222, Fax 0993 772642.

Advanced course in molecular mycology

A course in advanced molecular mycology will be held in Manchester University from 16-27 September 1991, including practical sessions and lectures. Further information is available from Professor James P Burnie or Dr Ruth C Matthews, Department of Medical and Molecular Microbiology, Stopford Building, Manchester University, Manchester M13 9PT, telephone 061 275 5502.

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