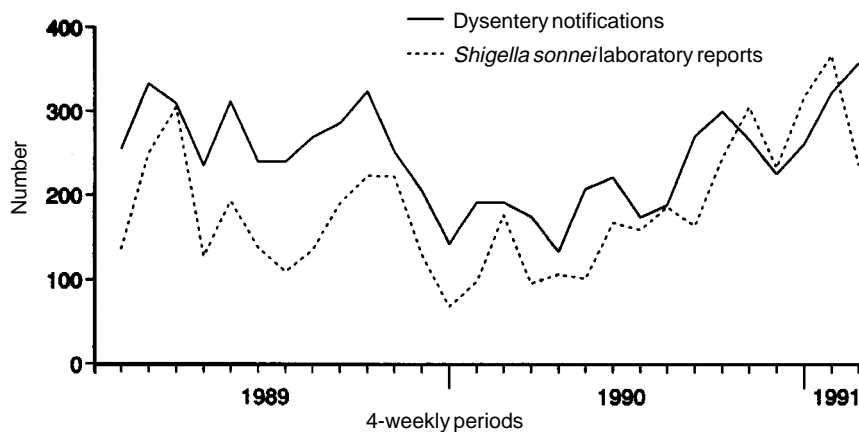


Communicable Disease Report

Dysentery surveillance

The figure shows for England and Wales numbers of notifications to OPCS of dysentery, and laboratory reports to CDSC of isolations of *Shigella sonnei* between 1989 and 1991 (week 8).



The two surveillance systems have remained fairly consistent over the period, declining to less than 200 notifications, and less than 100 reports at the end of 1989, and rising in parallel since. Both measures exceeded 300 in the first four weeks of 1991. In late 1990 and early 1991 reports to CDSC for the first time exceeded notifications to OPCS, but for the most recent 4 weekly period OPCS figures are again higher.

Public health aspects of blue-green algae

There will be a joint Public Health Laboratory Service/Association of Medical Microbiologists seminar on 'Public Health Aspects of Blue-green Algae' in the Lecture Theatre, Central Public Health Laboratory, Colindale, London at 1.30 pm on 14 June 1991.

Further details and an application form can be obtained from Dr. C Roberts, PHLS HQ, 61 Colindale Avenue, London, NW9 5DF. Please enclose a stamped addressed envelope.

"The CCDC survival experience"

The Public Health Medicine Environmental Group are holding a residential meeting on 25-26 April 1991 at Owen's Park, Manchester. The meeting is intended to support CCDCs and to develop and share practical skills.

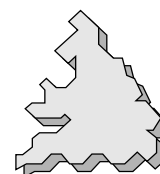
For further information, please contact Dr Martin Schweiger, Department of Public Health Medicine, Leeds Eastern Health Authority, St Mary's Road, Leeds LS7 3JX.

Salmonella infections:
weeks 91/08 - 11

Other gastrointestinal tract infections:
weeks 91/08 - 11

Gastrointestinal virus infections:
weeks 91/08 - 11

Bacteraemia and bacterial meningitis:
weeks 91/08 - 11



Salmonella infections, England and Wales: laboratory reports weeks 91/08 – 11

Serotype	Reports to CDSC					Reports from DEP
	91/08	91/09	91/10	91/11	Total	Total
<i>S. enteritidis</i> (PT4)	107 (70)	81 (63)	109 (79)	79 (60)	376 (272)	467 (406)
<i>S. typhimurium</i>	44	39	32	45	160	168
<i>S. newport</i>	7	5	4	6	22	23
<i>S. virchow</i>	7	6	5	2	20	20
<i>S. montevideo</i>	4	2	–	6	12	14
<i>S. hadar</i>	3	2	2	3	10	15
Other serotypes	42	26	20	22	110	179
Total	214	161	172	163	710	886

Less than 10 laboratory reports of the following serotypes were received by CDSC during this period:

8: *S. berta*, *S. infantis*.

7: *S. heidelberg*.

6: *S. braenderup*, *S. javiana*, *S. saint-paul*, *S. schwarzengrund*, *S. stanley*.

5: *S. panama*.

4: *S. arizonae*, *S. blockley*.

3: *S. anatum*, *S. brandenburg*, *S. kedougou*, *S. thompson*, *S. weltevreden*.

2: *S. agona*, *S. give*, *S. molade*, *S. newington*, *S. poona*, *S. reading*, *S. rissen*, *S. senftenberg*.

1: *S. albany*, *S. bareilly*, *S. bovis-morbificans*, *S. bredeney*, *S. cullingworth*, *S. ealing*, *S. johannesburg*, *S. kentucky*, *S. livingstone*, *S. mbandaka*, *S. neukoelln*, *S. oranienburg*, *S. taksony*.

S. newport: 13 cases have been reported from the Warrington and St Helens area since early January. Investigations suggest a link with cold cooked meats bought from a local market.

In addition, 10 isolations have been reported from Staffordshire since 11 March. No common exposure has been identified in this cluster.

Food poisoning notifications from OPCS

	Number of notifications				Total notifications 91/08–11	Cumulative total 1991
	91/08	91/09	91/10	91/11		
Formally notified #	401	421	426	420	1668	4990
Otherwise ascertained #	247	229	174	201	851	2232

provisional

Typhoid and paratyphoid, England and Wales: laboratory reports weeks 91/08 - 11

S. typhi: 10 cases aged 3-65 years were reported. One was from Nigeria, six from the Indian subcontinent and three who had not been abroad including F 65y, part of the outbreak reported in CDR 1991, 1, 6. Two excretors (F 12y, F 13y) and one carrier (F 44y) were reported.

S. paratyphi A: 7 cases aged 16-33 years were reported, all from the Indian subcontinent. There was also one excretor (F 19y).

Notifications: 16 cases of typhoid and 9 of paratyphoid fever were statutorily notified (weeks 91/08-11).

Other gastrointestinal tract infections: weeks 91/08 – 11

Laboratory reports	Number of reports received				Total reports 91/08–11 (acquired abroad)	Cumulative total 1991
	91/08	91/09	91/10	91/11		
<i>Campylobacter</i>	364	330	385	402	1481 (91)	4244
<i>Shigella</i>	141	108	71	181	501 (38)	1099
Enteropathogenic <i>E. coli</i> (children <3 years)	14	10	7	12	43 (–)	138
<i>Aeromonas</i>	8	4	4	3	19 (5)	38
<i>Plesiomonas</i>	–	2	1	–	3 (3)	13
<i>Vibrio</i>	–	–	–	1	1 (1)	8
<i>Clostridium difficile</i>	12	20	20	19	71 (–)	183
<i>Yersinia</i>	9	6	5	4	24 (1)	78

Comment

Bacillus cereus serotype 41: 2/2 persons had vomiting 2 hours after eating an Indian take-away meal including rice (rice positive).

Campylobacter: 1 region reported more than 10% cases: W Midlands (160 cases).

15 family outbreaks were reported.

Shigella: *S. boydii* 2 (1 abroad); *S. flexneri* 36 (18 abroad); *S. sonnei* 463 (19 abroad). 3 family outbreaks of *S. flexneri* were reported. *S. sonnei*: 2 school outbreaks were reported, one in Exeter (51/200 pupils positive) and one in Haverfordwest (8 pupils, school cook and 5 family contacts positive). Two community outbreaks, in Bristol and Darlington, and two continuing community outbreaks in Great Grimsby and Salford/Manchester were reported. Notifications of dysentery for this period were: 120, 133, 139 and 150 respectively; the cumulative total for 1991 is 1100.

Aeromonas: *A. caviae* 4 (2 abroad); *A. hydrophila* 9 (2 abroad); *A. sobria* 4 (1 abroad); *aeromonas sp 2*.

Plesiomonas shigelloides 3 (all abroad).

Vibrio cholerae 01 el Tor Ogawa 1: F 4y from India. This is the first case reported this year.

Only 48 persons, including 4 symptomless excretors, with confirmed *V. cholerae* O1 infection were recorded by CDSC in the years 1981–90; all but one acquired their infection abroad, in the Indian subcontinent, Far East, Middle East or North Africa. The one exception was the symptomless mother of a confirmed case, recently returned from Pakistan, who was identified on family screening.

Clostridium difficile: 1 region reported more than 10% cases: Yorkshire (40 cases).

Yersinia: *Y. enterocolitica* 16 (1 abroad); *Y. frederiksenii* 8.

Laboratory reports	Number of reports received				Total reports 91/08–11 (acquired abroad)	Cumulative total 1991
	91/08	91/09	91/10	91/11		
Cryptosporidium	84	77	66	79	306 (4)	903
Entamoeba histolytica	5	42	1	4	52 (43)	195
Giardia	103	96	74	91	364 (85)	1178
Blastocystis hominis	1	3	8	4	16 (1)	34
Dientamoeba fragilis	–	2	–	–	2 (–)	15

Comment

Cryptosporidium: 4 regions reported more than 10% cases: SE Thames (34 cases), SW Thames (52), S Western (36) and N Western (36).

Thirteen family outbreaks were reported.

The final report of the Outbreak Control Group into the outbreak of *cryptosporidium* infection in North Humberside, December 1989 to May 1990 was made public last week. Copies can be obtained from Yorkshire Regional Health Authority.

Giardia: 3 regions reported more than 10% cases: SW Thames (42 cases), W Midlands (46) and N Western (47). 18 family outbreaks were reported.

Entamoeba histolytica: 2 family outbreaks were reported.

Taenia saginata 4.

Trichostrongylus 2.

Trichuris 41 (Bangladesh 5; Nicaragua 2; Somalia 2; Vietnam 4; Zaire 1).

Gastrointestinal virus infections, England and Wales: laboratory reports weeks 91/08 - 11

Laboratory reports	Number of reports received				Total reports 91/08–11	Cumulative total 1991
	91/08	91/09	91/10	91/11		
Adenovirus (EM faeces)	51	22	11	31	115	310
Adenovirus type 40/41	4	4	1	2	11	20
Astrovirus	6	8	6	11	31	147
Calicivirus	3	3	2	–	8	34
Rotavirus	756	588	526	745	2615	6952
SRSV	23	19	11	15	68	169

Adenovirus (EM faeces): 2 regions reported more than 10% cases: SE Thames (25 cases) and SW Thames (13).

Two family outbreaks were reported.

Adenovirus 40/41: Northern region 9 cases.

Astrovirus: 4 regions reported more than 3 cases: Trent (4), NE Thames (4), S Western (6) and Mersey (4).

Rotavirus: 3 regions reported more than 10% cases: S Western (267 cases), W Midlands (363) and N Western (271).

25 outbreaks were reported, 19 family outbreaks, 3 in geriatric wards, 2 in residential homes for the elderly and 1 in an hotel.

SRSV: 4 regions reported more than 10% cases: Northern (7 cases), Yorkshire (34), Mersey (8) and N Western (7). 14 outbreaks were reported, 5 in residential homes for the elderly, 4 in hospitals (including 1 in hospital crèche), 3 in hotels/public houses, 1 in a geriatric ward and 1 unknown.

Bacteraemia and bacterial meningitis, England and Wales: weeks 91/08 - 11

Laboratory reports	No. of reports received		Age		Total received	Cumulative total for 1991
	Blood only	CSF only or CSF & blood	<1m	≥65y		
<i>Citrobacter sp</i>	12	—	—	8	12	40
<i>Enterobacter sp</i>	63	—	4	25	63	168
<i>Escherichia coli</i>	567	4	13	340	571	1549
<i>Klebsiella sp</i>	110	2	6	54	112	314
<i>Proteus sp</i>	101	1	—	72	102	298
<i>Salmonella sp</i>	13	—	—	9	13	50

Bacteraemia

Citrobacter sp: *C. freundii* 5; *C. koseri* 4.

Enterobacter sp: *E. aerogenes* 8; *E. agglomerans* 6; *E. cloacae* 38; *E. sakazakii* 2. *E. aerogenes*, M 75y had septic arthritis some months after prostatectomy (joint isolate).

Escherichia coli: M 46y with osteomyelitis and gas in stump after amputation; F 80y with infected joint

prosthesis (joint isolate also). F 81y had septic arthritis (joint isolate).

Klebsiella sp: *K. aerogenes* 35; *K. oxytoca* 31; *K. ozaenae* 1; *K. pneumoniae* 32.

Proteus sp: *P. mirabilis* 85; *P. morganii* 5; *P. vulgaris* 4.

Laboratory reports	Total bacteraemia	UTI/GU surgery (pregnant)	Biliary tract disease (ERCP)	Intravascular lines	Leukaemia/bone marrow suppression (with IV-lines)
<i>Citrobacter sp</i>	12	7 (1)	—	—	—
<i>Enterobacter sp</i>	63	13 (—)	7 (—)	9	5 (1)
<i>Escherichia coli</i>	567	214 (8)	74 (4)	18	45 (9)
<i>Klebsiella sp</i>	110	22 (—)	12 (2)	16	14 (4)
<i>Proteus sp</i>	101	55 (1)	1 (—)	1	—

Salmonella sp: *S. bareilly*, M 34y with gastroenteritis and acute renal failure. *S. enteritidis* 9 (PT 4, 7): 5 patients aged 37-85 years with diarrhoea and/or faecal isolate also; F 51y and M 66y with mycotic aortic aneurysms, and F 76y (blood isolates only); F 99y with infected liver cyst (blood, cyst isolates). *S. newport*, M 76y with urinary tract infection

(blood, urine isolates). *S. stanley*, F 83y with D & V.

S. virchow, M 18y with D & V.

Also reported: *S. enteritidis*, M 75y with carotid aneurysm (vessel wall isolate) and M 81y (urine only). *S. kedougou*, F 21y (urine only). *S. thompson PT 1*, M 9y (urine only). *S. typhimurium*, M 80y and M 87y (both urine isolate only).

Meningitis

Escherichia coli: 2 neonates; preterm F 1m; M 58y with intrathecal catheter had *klebsiella sp* also.

Klebsiella sp: *K. aerogenes*, F 10m; M 58y (see *E. coli*).

Proteus morganii: M 1m.

Unusual infections

Agrobacterium sp: M 6y with rhabdomyosarcoma had IV-line (blood isolate). *A. radiobacter*, F 34y with leukaemia (blood isolate).

Bacillus sp: F 5y with neuroblastoma had IV-line; M 24y with severe burns; F 44y with IV-line after abdominal surgery (all blood isolates).

Campylobacter sp 7: M 25y with hypogammaglobulinaemia and F 79y with diarrhoea and vomiting (both blood and faeces). *C. coli*, male with D & V (blood

isolate). *C. jejuni*: M 37y, M 78y and F 80y (all blood and faeces); F 70y with jaundice and gallstones (blood only). ***Capnocytophaga ochracea***: preterm F 2d (gastric aspirate and ear isolates).

Diphtheroids 3: F 30y and M 30y with IV-lines.

Corynebacterium xerosis, M 52y with leukaemia and IV-line (all blood isolates).

Providencia sp 2: both men with urinary tract disease (both blood isolates).

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