



Health Protection Report

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News

Next update: **15 June 2007**

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▮ ECDC publishes annual report on communicable diseases epidemiology in the European Union

ECDC publishes annual report on communicable diseases epidemiology in the European Union

The European Centre for Disease Prevention and Control (ECDC) has published its first Epidemiological Report on Communicable Diseases in the European Union (EU). The report contains epidemiological data on 49 communicable diseases (together with healthcare associated infections and antimicrobial resistant infections) collected from the 25 EU member states, Norway and Iceland for the year 2005. It includes a discussion on the main determinants of communicable diseases in the EU and their consequences, and suggests some of the main actions that are needed to deal with communicable diseases in the EU. The annual report on the communicable disease threats monitored in the EU also forms part of the document.

The overall incidence of a number of the communicable diseases is low in Europe with several diseases showing clear signs of steadily declining trends (eg measles) or of remaining relatively stable (eg invasive pneumococcal disease) over the past 10 years. Similarly the data show that the incidence of certain gastrointestinal infections (eg campylobacter) and certain STIs (eg HIV, Chlamydia) is increasing overall, highlighting the need to continue national prevention and control programmes. It is hoped that many of the conclusions in this first report will provide a basis for health policy makers at regional, national, and international levels to plan how best to tackle the problem of communicable diseases.

For this report, the ECDC made use of, and built on, the existing EU and European data sets to maximize the return on the investment already made by the Member States and EU Institutions. The Dedicated Surveillance Networks (DSN), including the former Basic Surveillance Network (BSN), the DG-SANCO/ Statistical Office of the European Communities (Eurostat) historical CD dataset and the 2005 Zoonoses dataset (collected for the European Food Safety Association) were used.

References

1. European Centre for Disease Prevention and Control. *European Communicable Disease Epidemiological Report*, 2006. Stockholm: ECDC, 2007. Available at <http://www.ecdc.eu.int/pdf/Epi_report_2007.pdf>.

Enteric

Next update: 13 July 2007

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Enteric Routine Data Reports

- ▶ General outbreaks of foodborne illness in humans, England and Wales: weeks 18-22/07
- ▶ Salmonella infections, (faecal specimens) England and Wales, reports to the HPA (Salmonella data set): April 2007
- ▶ Common gastrointestinal infections, England and Wales: laboratory reports: weeks 18-22/07

- ▶ General outbreaks of foodborne illness in humans, England and Wales, quarterly report: October to December 2006
- ▶ *Salmonella* serotypes recorded in the Health Protection Agency salmonella data set: January to March 2007

General outbreaks of foodborne illness in humans, England and Wales: weeks 18-22/07

Health Protection Unit	Organism	Location of food prepared or served	Month of outbreak	Number ill	Cases positive	Suspect vehicle	Evidence
West Yorkshire	<i>Escherichia coli</i> O157	Retailer	May	32	32	Cooked meat	–
Cambridge & Peterborough	Scombrototoxin	Restaurant	April	4	–	Tuna	D
National	<i>Salmonella</i> Senftenberg	National	April	35	35	Unknown	–

M (microbiological): identification of an organism of the same type from cases and in the suspect vehicle, or vehicle ingredient(s), or detection of toxin in faeces or food; D (descriptive): other evidence, usually descriptive, reported by local investigators as indicating the suspect vehicle or food; S (statistical): a significant statistical association between consumption of the suspect vehicle(s) and being a case.

Salmonella infections (faecal specimens), England and Wales, reports to the HPA salmonella data set): April 2007

Details of 732 serotypes of Salmonella infections recorded in April are given in the table below. In May 2007, 556 Salmonella infections were recorded and preliminary information was received about one outbreak (see table above).

	April 2007
S. Enteritidis (PT4)	44
S. Enteritidis (other PTs)	319
S. Typhimurium	78
S. Virchow	23
Others (typed)	268
Total Salmonella (provisional data)*	732

*Figures quoted from the Health Protection Agency salmonella data set are for isolates confirmed and typed by Laboratory of Enteric Pathogens (LEP).

Common gastrointestinal infections, England and Wales, laboratory reports: weeks 18-22/07

Laboratory reports	Number of reports received					Total reports	Cumulative total to	
	18/07	19/07	20/07	21/07	22/07	18-22/07	22/07	22/06
<i>Campylobacter</i>	689	598	953	785	50	3075	13,842	15,009
<i>Escherichia coli</i> O157*	12	11	52	32	12	119	224	176
<i>Salmonella</i> †	168	137	113	104	79	601	3584	3100
<i>Shigella sonnei</i>	18	14	16	7	–	55	314	239
Rotavirus	564	385	323	188	23	1483	10,738	12,185
Norovirus	71	76	50	12	1	210	3072	3117
<i>Cryptosporidium</i>	48	33	37	21	2	141	825	926
<i>Giardia</i>	51	30	39	33	4	157	924	1042

*Vero cytotoxin-producing isolates (data from Health Protection Agency's Laboratory of Enteric Pathogens (LEP).

† Data from Health Protection Agency's Laboratory of Enteric Pathogens.

General outbreaks of foodborne illness in humans, England and Wales, quarterly report: October to December 2006

Health Protection Unit	Organism	Location of food prepared or served	Number ill	Cases positive	Suspect vehicle	Evidence
West Yorkshire	<i>Clostridium perfringens</i>	Restaurant	17	3	Reheated beef and gravy	D
Greater Manchester	<i>Salmonella</i> Enteritidis PT1	Restaurant	10	7	Various food	D
Northumberland, Tyne and Wear	<i>S. Enteritidis</i> PT1	Restaurant	2	2	None	–
SW London	<i>S. Enteritidis</i> PT4	Restaurant	5	3	Egg	M
North Yorkshire	<i>S. Enteritidis</i> PT4	Restaurant	25	17	Mayonnaise made with raw shell egg	S
Greater Manchester	<i>S. Enteritidis</i> PT5C	Restaurant	7	7	Buffet food	D
Cumbria and Lancashire	<i>S. Enteritidis</i> PT8	Restaurant	9	8	Eggs	D
Kent	<i>S. Enteritidis</i> PT8	Restaurant	58	31	White sauce	M
SE London	<i>S. Enteritidis</i> PT14B	Restaurant	9	7	Egg	D
Essex	<i>S. Enteritidis</i> PT14B	Restaurant	2	3	None	–

M (microbiological): identification of an organism of the same type from cases and in the suspect vehicle, or vehicle ingredient(s), or detection of toxin in faeces or food; D (descriptive): other evidence, usually descriptive, reported by local investigators as indicating the suspect vehicle or food; S (statistical): a significant statistical association between consumption of the suspect vehicle(s) and being a case.

Salmonella serotypes recorded in the Health Protection Agency salmonella data set: January to March 2007

All serotypes recorded in the Health Protection Agency salmonella data set in the first quarter of 2007 are listed below. There were more than ten reports of 22 serotypes, two to ten reports of 51 serotypes, and one report of 49 serotypes.

More than ten reports of the following Salmonella serotypes were received: January to March 2007

Between two and ten reports of each of the following serotypes were received:

S. Agona	16	S. Montevideo	24
S. Arizonae	15	S. Muenchen	13
S. Bareilly	15	S. Newport	53
S. Braenderup	22	S. Oranienburg	20
S. Bredeney	31	S. Saint-Paul	20
S. Enteritidis	1082	S. Schwarzengrund	114
S. Hadar	20	S. Senftenberg	17
S. Heidelberg	11	S. Stanley	26
S. Infantis	33	S. Typhimurium	284
S. Java	29	S. Unnamed	53
S. Mbandaka	19	S. Virchow	82

Between two and ten reports of each of the following serotypes were received:

S. Adelaide	5	S. Florida	2	S. Muenster	2
S. Agama	7	S. Gaminara	2	S. Ohio	3
S. Albany	3	S. Give	9	S. Oslo	5
S. Altona	2	S. Gold-Coast	2	S. Panama	5
S. Anatum	9	S. Haifa	6	S. Poona	10
S. Arechavaleta	2	S. Havana	8	S. Potsdam	3
S. Bispebjerg	2	S. Hull	2	S. Reading	4
S. Bovis-Morbificans	4	S. Hvittingfoss	5	S. Richmond	5
S. Bukavu	2	S. Indiana	3	S. Rissen	3
S. Chester	5	S. Isangi	2	S. Rubislaw	3
S. Colindale	7	S. Javiana	9	S. San-Diego	3
S. Corvallis	10	S. Kentucky	10	S. Stanleyville	2
S. Derby	10	S. Kiambu	2	S. Tennessee	2
S. Dublin	3	S. Kottbus	8	S. Thompson	6
S. Durham	3	S. Livingstone	5	S. Uganda	6
S. Eastbourne	2	S. Mishmar-Haemek	2	S. Weltevreden	8
S. Emek	2	S. Mississippi	6	S. Zanzibar	3

One report of each of the following serotypes were received:

S. Amager	S. Heron	S. Nyanza
S. Amina	S. Hofit	S. Offa
S. Baildon	S. Kambole	S. Perth
S. Bardo	S. Kedougou	S. Pretoria
S. Bignona	S. Kingabwa	S. Ridge
S. Bochum	S. Kingston	S. Szentes
S. Brandenburg	S. Kintambo	S. Tado
S. Cerro	S. Kisangani	S. Takoradi
S. Coleypark	S. Lagos	S. Tel-El-Kebir
S. Degania	S. Landala	S. Urbana
S. Drypool	S. Manhattan	S. Uzaramo
S. Durban	S. Mbao	S. Vejle
S. Duval	S. Miami	S. Vom
S. Ealing	S. Minnesota	S. Welikade
S. Elisabethville	S. Napoli	S. Wernigerode
S. Galiema	S. Ndolo	
S. Glostrup	S. Newington	