



## Enteric Diseases Epidemiology Branch: Surveillance Reports

### Surveillance Reports

#### FoodNet

The Foodborne Diseases Active Surveillance Network, referred to as [FoodNet \(/foodnet/\)](#), is the principal foodborne disease component of CDC's [Emerging Infections Program \(/ncezid/dpei/eip/index.html\)](#) and provides the data necessary for measuring the progress in foodborne disease prevention.

[2011 FoodNet Annual Report](#) [PDF - 53 pages] ([/foodnet/PDFs/2011\\_annual\\_report\\_508c.pdf](#))

[2010 FoodNet Annual Report](#) [PDF - 49 pages] ([/foodnet/PDFs/2010\\_annual\\_report\\_508c.pdf](#))

[2009 FoodNet Annual Report](#) [PDF - 44 pages] ([/foodnet/PDFs/FoodNetAR2009\\_FINAL.pdf](#))

[2008 FoodNet Annual Report](#) [PDF - 67 pages] ([/foodnet/AR2008\\_508Compliant\\_v3\\_FINAL.pdf](#))

[2006-2007 FoodNet Population Survey Atlas of Exposures](#) [PDF - 29 pages] ([/foodnet/PDFs/FNExpAtlo3022011.pdf](#))

See prior FoodNet annual report summaries ([/foodnet/data/reports.html](#)) for years 1997-2010

#### Foodborne Disease Outbreak Surveillance

The [Foodborne Disease Outbreak Surveillance System \(/outbreaknet/surveillance\\_data.html\)](#) reports foodborne disease outbreaks and illnesses by etiology and food commodities in the United States from all states. CDC collects reports of [foodborne outbreaks \(/Features/dsFoodborneOutbreaks/\)](#) due to enteric bacterial, viral, parasitic, and chemical agents. State, local, and territorial public health agencies report these outbreaks to the Foodborne Disease Outbreak Surveillance System through the [National Outbreak Reporting System \(NORS\) \(/outbreaknet/nors/\)](#).

[2009-2010 MMWR - Surveillance for Foodborne Disease Outbreaks – United States, 2009–2010 \(/mmwr/preview/mmwrhtml/mm6203a1.htm?s\\_cid=mm6203a1\\_w\)](#)

[2008 MMWR – Surveillance for Food Disease Outbreaks – United States, 2008 \(/mmwr/preview/mmwrhtml/mm6035a3.htm?s\\_cid=mm6035a3\\_w\)](#)

[2007 MMWR – Surveillance for Foodborne Disease Outbreaks – United States, 2007 \(/mmwr/preview/mmwrhtml/mm5931a1.htm?s\\_cid=mm5931a1\\_w\)](#)

[2006 MMWR – Surveillance for Foodborne Disease Outbreaks – United States, 2006 \(/mmwr/preview/mmwrhtml/mm5822a1.htm\)](#)

[Surveillance for Foodborne Disease Outbreaks – United States, 1998–2002 \(/mmwr/preview/mmwrhtml/ss5510a1.htm?s\\_cid=ss5510a1\\_e\)](#)

[Surveillance for Foodborne Disease Outbreaks – United States, 1993-1997 \(/mmwr/preview/mmwrhtml/ss4901a1.htm\)](#)

See prior annual summaries for years 1990-1997 ([/outbreaknet/surveillance\\_data.html#historical](#))

**NOTE:** Data on foodborne outbreaks:

[Foodborne Outbreak Online Database \(http://wwwn.cdc.gov/foodborneoutbreaks/\)](#) (FOOD) is an annual listing of foodborne disease outbreaks in the United States (1998–2009) which has been designed to allow the public direct access to information on foodborne outbreaks reported to CDC. Most outbreaks are reported to the system by the state, local, territorial, or tribal health department that conducted the outbreak investigation. Outbreak reporting is voluntary. [Multistate outbreaks \(/outbreaknet/outbreaks.html\)](#) are generally reported by CDC. For more information, see [FOOD Tool Questions and Answers \(/outbreaknet/FOOD-faq.html\)](#).

#### NARMS

##### Tracking trends in resistance

The National Antimicrobial Resistance Monitoring System (NARMS) is a collaboration among state and local health departments, [CDC \(/narms/index.html\)](#), [FDA](#)

([http://www.fda.gov/AnimalVeterinary/SafetyHealth/AntimicrobialResistance/NationalAntimicrobialResistanceMonitoringSystem/default.htm](#))

([http://www.cdc.gov/Other/disclaimer.html](#)), and [USDA \(http://www.ars.usda.gov/Main/docs.htm?docid=6750&page=1\)](#)

([http://www.cdc.gov/Other/disclaimer.html](#)). NARMS monitors antimicrobial resistance in enteric (intestinal) bacteria isolated from humans, retail meats, and food animals. CDC's primary role is to track and report antibiotic resistance in enteric bacteria isolated from people who have infections caused by *Salmonella*, *Campylobacter*, *Escherichia coli* O157, *Shigella*, or *Vibrio* species other than *V. cholerae*.

##### Data

- [NARMS Human Isolates Reports \(CDC website\) \(/narms/reports.html\)](#)
- [NARMS Retail Meat Isolates Reports and NARMS Interagency Executive Reports \(FDA website\) \(http://www.fda.gov/AnimalVeterinary/SafetyHealth/AntimicrobialResistance/NationalAntimicrobialResistanceMonitoringSystem/ucm059103.htm\) \(http://www.cdc.gov/Other/disclaimer.html\)](#)
- [NARMS Animal Isolates Reports \(USDA website\) \(http://ars.usda.gov/Main/docs.htm?docid=6750&page=4\) \(http://www.cdc.gov/Other/disclaimer.html\)](#)

#### National Surveillance Reports


CDC collects data from all states on infections due to enteric bacterial pathogens including *Listeria* spp, *Salmonella* spp (including *Salmonella* serotypes Typhi and Paratyphi A, Paratyphi B, and Paratyphi C), Shiga toxin-producing *Escherichia coli* (STEC), *Shigella* spp, and


*Vibrio* spp (including *V. cholerae*), which are nationally notifiable. CDC also collects data from all states on cases of botulism, which is caused by toxins produced by *Clostridium botulinum*; botulism is also nationally notifiable. Information is gathered from both "laboratory-based" and "case-based" surveillance systems.

## National Laboratory-based Surveillance


"Laboratory-based" surveillance relies on the collection of information about bacteria that have been identified by laboratory testing of ill persons. Bacteria are isolated and identified from patient specimens by clinical laboratories, and the isolates are then submitted to state public health laboratories for further characterization or reported to them. CDC conducts laboratory-based surveillance for infections caused by *Salmonella* ([/salmonella/](#)), *Shigella* ([/nczved/divisions/dfbmd/diseases/shigellosis/](#)), and *Shiga toxin-producing Escherichia coli* (STEC) ([/ecoli/index.html](#)) using reports from state and territorial public health laboratories.

### *Salmonella*


[National \*Salmonella\* Surveillance Overview](#)  [PDF - 291 KB] ([/nationalsurveillance/PDFs/NationalSalmSurveillOverview\\_508.pdf](#))

[National \*Salmonella\* Surveillance Annual Report, 2011](#)  [PDF - 18 pages] ([/ncezid/dfwed/PDFs/salmonella-annual-report-2011-508c.pdf](#))

An eighteen page summary of *Salmonella* surveillance data collected by CDC in 2011

[National \*Salmonella\* Surveillance Annual Report, Appendix, 2011](#)  [PDF - 62 pages] ([/ncezid/dfwed/PDFs/salmonella-annual-report-appendices-2011-508c.pdf](#))


A sixty-two page appendix with data tables related to the *Salmonella* surveillance annual report for 2011

[National \*Salmonella\* Surveillance Annual Report, 2010](#)  [PDF - 19 pages] ([/ncezid/dfwed/PDFs/salmonella-annual-report-2010-508c.pdf](#))

A nineteen page summary of *Salmonella* surveillance data collected by CDC in 2010

[National \*Salmonella\* Surveillance Annual Report, Appendix, 2010](#)  [PDF - 62 pages] ([/ncezid/dfwed/PDFs/salmonella-annual-report-appendices-2010-508c.pdf](#))

A sixty-two page appendix with data tables related to the *Salmonella* surveillance annual report for 2010


[National \*Salmonella\* Surveillance Annual Summary, 2009](#)  [PDF - 4 pages] ([/ncezid/dfwed/PDFs/salmonella-annual-summary-2009-508c.pdf](#))

A four page summary of *Salmonella* surveillance data collected by CDC in 2009


[National \*Salmonella\* Surveillance Annual Summary Tables 2009](#)  [PDF - 2.28 MB]

([/ncezid/dfwed/PDFs/SalmonellaAnnualSummaryTables2009.pdf](#))

Tables with *Salmonella* isolate data reported to CDC in 2009


[National \*Salmonella\* Surveillance Annual Summary, 2008](#)  [PDF - 5 pages] ([/ncezid/dfwed/PDFs/salmonella-annual-summary-2008-508c.pdf](#))

A five page summary of *Salmonella* surveillance data collected by CDC in 2008

[National \*Salmonella\* Surveillance Annual Summary Tables 2008](#)  [PDF - 2.29 MB]

([/ncezid/dfwed/PDFs/SalmonellaAnnualSummaryTables2008.pdf](#))

Tables with *Salmonella* isolate data reported to CDC in 2008

[National \*Salmonella\* Surveillance Annual Summary, 2007](#)  [PDF - 5 pages] ([/ncezid/dfwed/PDFs/salmonella-annual-summary-2007-508c.pdf](#))

A five page summary of *Salmonella* surveillance data collected by CDC in 2007


[National \*Salmonella\* Surveillance Annual Summary Tables 2007](#)  [PDF - 1.53 MB]


([/ncezid/dfwed/PDFs/SalmonellaAnnualSummaryTables2007.pdf](#))

Tables with *Salmonella* isolate data reported to CDC in 2007


See prior *Salmonella* annual summaries (<http://www.cdc.gov/ncidod/dbmd/phlisdata/salmonella.htm>) for years 1995-2006

### *Shigella*


[National \*Shigella\* Surveillance Overview](#)  [PDF - 1.76 KB] ([/ncezid/dfwed/PDFs/Shigella-Overview-508.pdf](#))

[National \*Shigella\* Surveillance Annual Report, 2011](#)  [PDF - 9 pages] ([/ncezid/dfwed/PDFs/shigella-annual-report-2011-508c.pdf](#))


A nine page summary of *Shigella* surveillance data collected by CDC in 2011

[National \*Shigella\* Surveillance Annual Report, Appendix, 2011](#)  [PDF - 8 pages] ([/ncezid/dfwed/PDFs/shigella-annual-report-2011-appendices-508c.pdf](#))


An eight page appendix with data tables related to the *Shigella* surveillance annual report for 2011

[National \*Shigella\* Surveillance Annual Report, 2010](#)  [PDF - 10 pages] ([/ncezid/dfwed/PDFs/shigella-annual-report-2010-508c.pdf](#))

A ten page summary of *Shigella* surveillance data collected by CDC in 2010

[National \*Shigella\* Surveillance Annual Report, Appendix, 2010](#)  [PDF - 8 pages] ([/ncezid/dfwed/PDFs/shigella-annual-report-2010-appendices-508c.pdf](#))


An eight page appendix with data tables related to the *Shigella* surveillance annual report for 2010

[National \*Shigella\* Surveillance Annual Summary 2009](#)  [PDF - 3 pages] ([/ncezid/dfwed/PDFs/shigella-annual-summary-2009-508c.pdf](#))

A three page summary of *Shigella* surveillance data collected by CDC in 2009

[National \*Shigella\* Surveillance Annual Summary Tables 2009](#)  [PDF - 2.3 pages] ([/ncezid/dfwed/PDFs/shigella-annual-summary-tables-2009.pdf](#))

Tables with *Shigella* isolate data reported to CDC in 2009

[National \*Shigella\* Surveillance Annual Summary 2008](#)  [PDF - 3 pages] ([/ncezid/dfwed/PDFs/shigella-annual-summary-2008-508c.pdf](#))

A three page summary of *Shigella* surveillance data collected by CDC in 2008

[National \*Shigella\* Surveillance Annual Summary Tables 2008](#) [PDF - 21 pages] ([/ncezid/dfwed/PDFs/shigella-annual-summary-tables-2008.pdf](#))

Tables with *Shigella* isolate data reported to CDC in 2008

[National \*Shigella\* Surveillance Annual Summary 2007](#) [PDF - 3 pages] ([/ncezid/dfwed/PDFs/shigella-annual-summary-2007-508c.pdf](#))

A three page summary of *Shigella* surveillance data collected by CDC in 2007

[National \*Shigella\* Surveillance Annual Summary Tables 2007](#) [PDF - 21 pages] ([/ncezid/dfwed/PDFs/shigella-annual-summary-tables-2007.pdf](#))

Tables with *Shigella* isolate data reported to CDC in 2007

## Shiga toxin-producing *Escherichia coli* (STEC)

[National STEC Surveillance Overview](#) [PDF - 4 pages] ([/ncezid/dfwed/PDFs/national-stec-surveillance-overview-508c.pdf](#))

[National STEC Surveillance Annual Summary, 2011](#) [PDF - 10 pages] ([/ncezid/dfwed/PDFs/national-stec-surv-summ-2011-508c.pdf](#))

A ten page summary of STEC surveillance data collected by CDC in 2011

[National STEC Surveillance Annual Report, Appendix, 2011](#) [PDF - 12 pages] ([/ncezid/dfwed/PDFs/national-stec-surv-summ-2011-appendices-508c.pdf](#))

A twelve page appendix with data tables related to the STEC surveillance annual report for 2011

[National STEC Surveillance Annual Summary, 2010](#) [PDF - 11 pages] ([/ncezid/dfwed/PDFs/national-stec-surv-summ-2010-508c.pdf](#))

An eleven page summary of STEC surveillance data collected by CDC in 2010

[National STEC Surveillance Annual Report, Appendix, 2010](#) [PDF - 9 pages] ([/ncezid/dfwed/PDFs/national-stec-surv-summ-2010-appendices-508c.pdf](#))

A nine page appendix with data tables related to the STEC surveillance annual report for 2010

[National STEC Surveillance Annual Summary, 2009](#) [PDF - 8 pages] ([/ncezid/dfwed/PDFs/national-stec-surv-summ-2009-508c.pdf](#))

An eight page summary of STEC surveillance data collected by CDC in 2009

[National STEC Surveillance Annual Summary, 2008](#) [PDF - 8 pages] ([/ncezid/dfwed/PDFs/national-stec-surv-summ-2008-508c.pdf](#))

An eight page summary of STEC surveillance data collected by CDC in 2008

[National STEC Surveillance Annual Summary, 2007](#) [PDF - 8 pages] ([/ncezid/dfwed/PDFs/national-stec-surv-summ-2007-508c.pdf](#))

An eight page summary of STEC surveillance data collected by CDC in 2007

## National Case-based Surveillance

"Case-based" surveillance relies on the collection of reports of cases of illness. These case reports include information such as the symptoms of illness, when those symptoms started, demographic information about the ill person (age, sex, state of residence), and key risk factor information (e.g., travel, activities, foods consumed) for the specific infection. CDC conducts case-based surveillance for [botulism](#) ([/nczved/divisions/dfbmd/diseases/botulism/](#)), [cholera](#) ([/cholera/index.html](#)) and other *Vibrio* illnesses (including *V. parahaemolyticus* ([/nczved/divisions/dfbmd/diseases/vibriop/](#)) and *V. vulnificus* ([/nczved/divisions/dfbmd/diseases/vibriov/](#)) infections), [Listeria](#) ([/listeria/](#)) infections, and [Typhoid](#) ([/nczved/divisions/dfbmd/diseases/typhoid\\_fever/](#)) and Paratyphoid Fever infections by collecting case report forms for each person who is diagnosed with a case of one of these illnesses. These data are reported to CDC by state and territorial public health departments.

### Botulism

[National Botulism Surveillance Overview](#) [PDF - 3 pages] ([/ncezid/dfwed/PDFs/bot-overview\\_508c.pdf](#))

[Botulism Surveillance Summaries](#) ([/nationalsurveillance/botulism\\_surveillance.html](#))

### Cholera and Other *Vibrio* Illnesses Surveillance (COVIS)

[Cholera and Other \*Vibrio\* Illness Surveillance \(COVIS\) Overview](#) [PDF - 3 pages] ([/ncezid/dfwed/PDFs/nat-covis-surv-overview-508c.pdf](#))

[COVIS Annual Summary, 2011](#) [PDF - 10 pages] ([/ncezid/dfwed/PDFs/covis-annual-report-2011-508c.pdf](#))

A ten page summary of COVIS surveillance data collected by CDC in 2011

[COVIS Annual Summary, 2010](#) [PDF - 9 pages] ([/ncezid/dfwed/PDFs/covis-annual-report-2010-508c.pdf](#))

A nine page summary of COVIS surveillance data collected by CDC in 2010

[COVIS Surveillance Summaries](#) ([/nationalsurveillance/cholera\\_vibrio\\_surveillance.html](#))

### Listeria

[Listeria Initiative Surveillance Overview](#) [PDF - 2 pages] ([/listeria/pdf/ListeriaInitiativeOverview\\_508.pdf](#))

[Listeria Annual Summary 2011](#) [PDF - 7 pages] ([/listeria/pdf/listeria-annual-summary-2011-508c.pdf](#))

A seven page summary of *Listeria* surveillance data collected by CDC in 2011

[Listeria Annual Summary 2010](#) [PDF - 5 pages] ([/listeria/pdf/listeria-annual-summary-2010-508c.pdf](#))

A five page summary of *Listeria* surveillance data collected by CDC in 2010

[Listeria Annual Summary 2009](#) [PDF - 5 pages] ([/listeria/pdf/listeria-annual-summary-2009-508c.pdf](#))

A five page summary of *Listeria* surveillance data collected by CDC in 2009

[Listeria Annual Summary 2008](#) [PDF - 5 pages] ([/listeria/pdf/listeria-annual-summary-2008-508c.pdf](#))

A five page summary of *Listeria* surveillance data collected by CDC in 2008


[Listeria Annual Summary 2007](#) [PDF - 5 pages] ([/listeria/pdf/listeria-annual-summary-2007-508c.pdf](#))

A five page summary of *Listeria* surveillance data collected by CDC in 2007


For more information about surveillance for listeriosis, please visit the [Listeria Surveillance \(/listeria/surveillance.html\)](/listeria/surveillance.html) page.

## Typhoid and Paratyphoid Fever


[National Typhoid and Paratyphoid Fever Surveillance Overview](#)  [PDF - 2 pages] ([/ncezid/dfwed/PDFs/typhi\\_surveillance\\_overview\\_508c.pdf](/ncezid/dfwed/PDFs/typhi_surveillance_overview_508c.pdf))

[Typhoid and Paratyphoid Fever Annual Summary 2011](#)  [PDF - 6 pages] (</ncezid/dfwed/PDFs/typhi-annual-summary-2011-508c.pdf>)


A six page summary of Typhoid and Paratyphoid Fever surveillance data collected by CDC in 2011.

[Typhoid and Paratyphoid Fever Annual Summary 2010](#)  [PDF - 4 pages] (</ncezid/dfwed/PDFs/typhi-annual-summary-2010-508c.pdf>)


A four page summary of Typhoid and Paratyphoid Fever surveillance data collected by CDC in 2010.

[Typhoid and Paratyphoid Fever Annual Summary 2009](#)  [PDF - 4 pages] (</ncezid/dfwed/PDFs/typhi-annual-summary-2009-508c.pdf>)

A four page summary of Typhoid and Paratyphoid Fever surveillance data collected by CDC in 2009.

[Typhoid and Paratyphoid Fever Annual Summary 2008](#)  [PDF - 4 pages] (</ncezid/dfwed/PDFs/typhi-annual-summary-2008-508c.pdf>)

A four page summary of Typhoid and Paratyphoid Fever surveillance data collected by CDC in 2008.

[Typhoid Fever Annual Summary 2007](#)  [PDF - 506 KB] (</ncezid/dfwed/PDFs/typhi-annual-summary-2007-508c.pdf>)

A three page summary of Typhoid and Paratyphoid Fever surveillance data collected by CDC in 2007.

See prior [Bacterial Foodborne and Diarrheal Diseases National Case Surveillance Annual Reports \(/nationalsurveillance/case\\_surveillance.html\)](/nationalsurveillance/case_surveillance.html)

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