Foodborne Diseases and Conditions Designated as Notifiable at the National Level – United States 2003

In the United States, requirements for reporting diseases and conditions are mandated by state and territorial laws and/or regulations. However, physicians are highly encouraged to report foodborne illnesses that they may encounter in the event that an outbreak situation may be present. Reporting will facilitate the tracking of the outbreak and in fact, the case identified may even be the sentinel case!

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The Council of State and Territorial Epidemiologists (CSTE)
Suite 303 – 2872 Woodcock Boulevard
Atlanta, Georgia 30341
Phone: 770-458-3811

Notifiable Bacterial Foodborne Diseases and Conditions

<table>
<thead>
<tr>
<th>Anthrax</th>
<th>Botulism</th>
<th>Brucellosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cholera</td>
<td>Enterohemorrhagic Escherichia coli</td>
<td>Hemolytic uremic syndrome, post-diarrheal</td>
</tr>
<tr>
<td>Hemorrhagic colitis</td>
<td>Salmonellosis (other than S. Typhi)</td>
<td>Shigella</td>
</tr>
</tbody>
</table>

Notifiable Viral Foodborne Diseases and Conditions

| Hepatitis A |

Notifiable Parasitic Foodborne Diseases and Conditions

| Cryptosporidiosis | Cyclosporiasis | Giardiasis | Trichinellosis |

References


Toll-free Information Phone Numbers

Foodborne Illnesses (Bacterial)

Signs and Symptoms

<table>
<thead>
<tr>
<th>Illness</th>
<th>Duration</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salmonella spp.</td>
<td>1-3 days</td>
<td>Diarrhea, fever, abdominal cramps, nausea, vomiting</td>
</tr>
<tr>
<td>Shigella flexneri</td>
<td>5-7 days</td>
<td>Diarrhea, bloody stools, abdominal cramps, fever</td>
</tr>
<tr>
<td>E. coli</td>
<td>Variable</td>
<td>Typhoid, paratyphoid, Salmonella, Shigella, dysentery</td>
</tr>
<tr>
<td>Vibrio cholera</td>
<td>&lt;2 days</td>
<td>Severe dehydration, abdominal cramps, vomiting</td>
</tr>
<tr>
<td>Listeria</td>
<td>1-7 days</td>
<td>Vomiting, diarrhea, abdominal pain</td>
</tr>
<tr>
<td>Botulinum</td>
<td>2-10 days</td>
<td>Paralytic illness, difficulty swallowing</td>
</tr>
<tr>
<td>Staphylococcus aureus (food poisoning)</td>
<td>2-5 hours</td>
<td>Watery diarrhea, nausea, vomiting</td>
</tr>
<tr>
<td>Staphylococcus aureus (toxinemia)</td>
<td>1-3 days</td>
<td>Severe diarrhea, abdominal pain, fever</td>
</tr>
<tr>
<td>Campylobacter jejuni</td>
<td>10-14 days</td>
<td>Diarrhea, cramps, fever</td>
</tr>
<tr>
<td>Salmonella typhi</td>
<td>1-3 weeks</td>
<td>Typhoid fever, headache, abdominal pain</td>
</tr>
<tr>
<td>Salmonella enteritidis</td>
<td>2-3 days</td>
<td>Diarrhea, cramps, fever</td>
</tr>
</tbody>
</table>

Diagnosis

- Stool cultures for Salmonella, Shigella, Campylobacter, and E. coli
- Blood cultures for botulinum
- Serum antibodies for scarlet fever, salmonellosis
- Blood cultures for diphtheria

Treatment

- Supportive care for all foodborne illnesses
- Antibiotics for some illnesses
- Ciprofloxacin for severe cases of salmonellosis
- Intravenous fluids and electrolytes for dehydration
- Pain management for abdominal cramps

Prevention

- Good hygiene practices
- Proper food handling and storage
- Pasteurization and refrigeration
- Avoid raw shellfish and unpasteurized milk
- Avoid cross-contamination

References

Please call the state health department for more information on specific foodborne illnesses. These telephone numbers are available at http://www.cdc.gov/mmwr/international/relres.html. See the severe side effects of foodborne illness and list of foodborne illnesses.
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- Botulism
- Brucellosis
- Cholera
- Escherichia coli (Enterohemorrhagic, Enteropathogenic, enterotoxigenic)
- Hemolytic uremic syndrome, post-diarrheal
- Invasive nontyphoidal Salmonella
- Typhoid fever (S. Typhi and S. Paratyphi infections)

Notifiable Viral Foodborne Diseases and Conditions

- Hepatitis A

Notifiable Parasitic Foodborne Diseases and Conditions

- Cryptosporidiosis
- Cyclosporiasis
- Giardiasis
- Trichinellosis

References


Toll-free Information Phone Numbers

- USDA Meat and Poultry Hotline: 800 515-4155
- FDA Safe Food Hotline: 888 SAFE FOOD (723-3564)
- CDC Voice Information System: 888 CDC-INFO (232-5293)

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Diagnosis and Management of Foodborne Illnesses

A Primer for Physicians and Other Health Care Professionals

February 2004
Foodborne Illnesses Table: Bacterial Agents

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American Medical Association
American Nurses Association-American Nurses Foundation
Centers for Disease Control and Prevention
Center for Food Safety and Applied Nutrition
Food and Drug Administration
Food Safety and Inspection Service
US Department of Agriculture