| Disease and Organism That Causes It | Most Frequent Food Sources | Onset and General Symptoms | Prevention Methods* |
|---|---|---|---|
| Food-Borne Infections | | <u> </u> | |
| Campylobacteriosis (KAM-pee-lon-BAK-ter-ee-OH-sis) Campylobacter jejuni bacterium | Raw poultry, beef, lamb, unpasteurized milk (foods of animal origin eaten raw or undercooked or recontaminated after cooking). | Onset: 2 to 5 days. Diarrnea, nausea, vomiting, abdominal cramps, fever: sometimes bloody stools; lasts 7 to 10 days. | Cook tooos tnorougnly: use pasteurized milk; use santar, food-handling metnods. |
| Giardiasis (JYE-are-DYE-ah-sis) Giardia iamblia protozoon | Contaminated water; uncooked foods. | Onset: 5 to 25 days. Diarrhea (but occasionally constipation), abdominal pain, gas, abdominal distention, digestive disturbances, anorexia, nausea, and vomiting. | Use sanitary food-handling methods: avoid raw fruits and vegetables where protozoa are endemic; dispose of sewage properly. |
| Hepatitis (HEP-ah-TIE-tis) Heoatitis A virus | Undercooked or raw shellfish. | Onset: 15 to 50 days (28 to 30 days average). Inflammation of the liver with tiredness; nausea. vomiting, or indigestion; jaundice (yellowed skin and eyes from buildup of wastes); muscle pain. | Cook foods thoroughly. |
| Listeriosis (lis-TER-ee-OH-sis) Listena monocytogenes _{bacterium} | Raw meat and seafood, raw milk, and soft cheeses. | Onset: 7 to 30 days. Mimics flu; blood poisoning, complications in pregnancy, and meningitis (stiff neck, severe headache, and fever). | Use sanitary food-handling methods: cook foods thoroughly: use pasteurized milk. |
| perfringens (per-FRINGE-enz) tood poisoning Clostridium perfringens _{pacterium} | Meats and meat products stored at between 120 and 130°F. | Onset: 8 to 12 hr (usually 12). Abdominal pain, diarrhea, nausea. and vomiting: symptoms last a day or less and are usually mild; can be serious in old or weak people. | Use sanitary food-handling methods: cook foods thoroughly; refrigerate foods promptly and properly. |
| salmonellosis (sal-moh-neh-LOH-si _{Salmonella _{bacteria}} | meats, poultry, milk and other dairy products, shrimp, frog legs, yeast, coconut, pasta, and chocolate. | Onset: 6 to 48 hr. Nausea, fever, chills, vomiting, abdominal cramps, diarrhea, and headache; can be tatal. | Use sanitary food-handling methods: use pasteurized milk; cook foods thoroughly; refrigerate foods promptly and properly. |
| E. coli infection Escherichia coli ^b Dacterium | Undercooked ground beef, unpasteurized milk and milk products, contaminated water, and person-to-person contact. (feces), (animals) | Onset: 12 to 72 hr. Severe bloody diarrhea, abdominal cramps, acute kidney failure; can be tatal. | Cook ground beef thoroughly; avoid raw milk and milk products; use sanitary food-handling methods; use treated, boiled, or bottled water. |
| Shigellosis (shi-gel-LOH-sis) Shigella bacteria | Person-to-person contact, raw foods, salads, dairy products, and contaminated water. | Onset: 1 to 7 days. Diarrhea, vomiting; cramps, fever; sometimes bloody stools. | Use sanitary food-handling methods; cook foods thoroughly; proper refrigeration. |
| /ibrio (MB-ree-oh) bacteria /ibrio vulnificus ^c pacterium | Raw seatood and contami- nated water. | Onset: 1 to 7 days. Diarrhea, abdominal cramps, fever, chills; can be fatal. | Use sanitary food-handling methods; cook foods thoroughly. |
| Food Intoxications | | | |
| Botulism (BOT-chew-lizm) Botulinum toxin (produced by Clostridium botulinum baceterium, which grows without baygen, in low-acid foods, and at emperatures between 40° and 120°F; the botulinum BOT-chew-line-um) toxin esponsible for botulism is called botulin (BOT-chew-lin) | Anaerobic environment of low acidity (canned corn, peppers, green beans, soups, beets, asparagus, mushrooms, ripe olives, spinach, tuna, chicken, chicken liver, liver pate, luncheon meats; harn, sausage, stuffed eggplant, lobster, and smoked and salted fish). | Onset: 4 to 36 hr. Nervous system symptoms, including double vision, inability to swallow, speech difficulty, and progressive paralysis of the respiratory system; often fatal; leaves prolonged symptoms in survivors. | Use proper canning methods for low-acid loods; refrigerate homemade garlic and herb oils; avoid commercially prepared foods with leaky seals or with bent, bulging, or broken cans. |
| Staphylococcal (STAF-il-oh-KOK-al) ood poisoning Staphylococcal toxin produced by Staphylococcus jureus bacterium) | Toxin produced in meats, poultry, egg products, tuna, potato and macaroni salads, and cream-filled pastries. | Onset: % to 8 hr. Diarrhea, nausea, vomiting, abdominal cramps, and fatigue; mimics flu; lasts 24 to 48 hr; rarely fatal. | Use sanitary food-handling methods; cook food thoroughly; refrigerate foods promptly and properly; use proper homecanning methods. |