

| Onset or Incubation Chart | Illness Agent  | ONSET TIME [Approximate incubation/onset period ranges for select foodborne diseases] |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
|---------------------------|--|---|---|---|---|---|----|---|------|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|--|
|                           |  | Hours   |   |   |   |   |    |   | Days |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
|                           |  | 1   | 2 | 3 | 4 | 8 | 16 | 1 | 2    | 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |  |
|                           | <b>Allergens and chemical poisons:</b><br>Minutes to a few hours                 |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Bacillus cereus</b><br>vomit: 30 min-5 hrs; diarrhea 8-16 hrs, typical 12 hrs |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Staphylococcus aureus</b><br>1-8 hours, typical 2-4 hours                     |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Vibrio parahaemolyticus</b><br>4-96 hours                                     |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Salmonella</b><br>non-typhoidal, 6-72 hours, typical 18-36 hours              |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Clostridium perfringens</b><br>8 - 24 hours, typical 10 hours                 |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>V</b>                  | <b>Norovirus</b><br>12 - 48 hours  |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Streptococcus</b><br>1-4 days   |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Botulism (Clostridium botulinum)</b><br>12-72 hours                           |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Yersinia enterocolitica</b><br>1-3 days                                       |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Shigella</b><br>1-7 days  |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Vibrio vulnificus</b><br>1-7 days   |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Campylobacter jejuni</b><br>2-7 days, typical 3-5 days                        |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>P</b>                  | <b>Cyclospora cayetanensis</b><br>1-14 days, typical 1 week                      |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>P</b>                  | <b>Cryptosporidium</b><br>2-10 days  |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>E. coli O157:H7</b><br>1-8 days, typical 3-7 days                             |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>B</b>                  | <b>Listeria monocytogenes</b><br>4-21 days                                       |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>P</b>                  | <b>Toxoplasma gondii</b><br>5-23 days  |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |
| <b>V</b>                  | <b>Hepatitis A</b><br>10-50 days, typical 25-28 days                             |   |   |   |   |   |    |   |      |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |  |

Sources: Data on approximate/typical incubation periods obtained from  
+ Food and Drug Administration. Bad Bug Book, Foodborne Pathogenic Microorganisms & Natural Toxins, Second Edition. Appendix 5. p.266-269  
+ Food and Drug Administration. "What You Need to Know About Foodborne Illness" 2014, Silver Spring, MD, USA website  
+ Wisconsin Department of Health Services. "Food Safety" 2020, Madison, WI, USA website

