



## Summary of CDPHE Recommendations for Disease Control for Enteric Pathogens\* (updated September 2018)

| Organism                                             | Typical incubation period (range)                       | Infective dose                       | Shedding duration                                      | Antimicrobials                                                 | Exclusions                                                                                                                                          |                                                                                                                                                                                                                                                      |                                                                                     | Comments                                                                                                                               |
|------------------------------------------------------|---------------------------------------------------------|--------------------------------------|--------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
|                                                      |                                                         |                                      |                                                        |                                                                | Food handler                                                                                                                                        | Child care attendee/worker                                                                                                                                                                                                                           | Health care worker                                                                  |                                                                                                                                        |
| <b>Campylobacter</b>                                 | 2-5 days<br>(range 1-10 days)                           | Small<br>(~500 organisms)            | 2-7 weeks without antibiotics                          | Antibiotics can shorten shedding to 2-3 days                   | No diarrhea x 24 hours <sup>^</sup>                                                                                                                 |                                                                                                                                                                                                                                                      |                                                                                     | Food handler outbreaks rare                                                                                                            |
| <b>Cryptosporidium</b>                               | 7 days<br>(range 1-12 days)                             | Very small (10-100 oocysts)          | Several weeks                                          | Yes (antiparasitic medication)                                 | No diarrhea x 24 hours <sup>^</sup>                                                                                                                 |                                                                                                                                                                                                                                                      |                                                                                     | No swimming x 2 weeks                                                                                                                  |
| <b>Giardia</b>                                       | 7-10 days<br>(range 3-25 days)                          | Very small (1 or more cysts)         | Variable, can be months                                | Yes (antiparasitic medication)                                 | No diarrhea x 24 hours <sup>^</sup>                                                                                                                 |                                                                                                                                                                                                                                                      |                                                                                     | No swimming x 2 weeks                                                                                                                  |
| <b>Hepatitis A</b>                                   | ~28 days<br>(range 15-50 days)                          | Very small (<100 viral particles)    | 2 weeks before onset to 7-10 days after jaundice onset | None                                                           | 7 days after jaundice onset; 14 days if jaundice does not develop                                                                                   |                                                                                                                                                                                                                                                      |                                                                                     | Children < 5 yrs rarely symptomatic; vaccine very effective                                                                            |
| <b>Listeria</b>                                      | 3 weeks<br>(range 3-70 days)                            | Not known                            | N/A                                                    | Yes                                                            | N/A                                                                                                                                                 |                                                                                                                                                                                                                                                      |                                                                                     | Not spread person to person                                                                                                            |
| <b>Norovirus</b>                                     | 12-48 hours                                             | Very small (<20 viral particles)     | At least 3 weeks                                       | None                                                           | 48 hours after last episode of vomiting/diarrhea                                                                                                    |                                                                                                                                                                                                                                                      |                                                                                     | Single cases rarely diagnosed; disease control usually in setting of an outbreak                                                       |
| <b>Salmonella</b>                                    | 12-36 hours<br>(range 6-72 hours; can be up to 10 days) | Very small (as little as 1 organism) | Variable, days to months                               | Not recommended unless illness is severe; may prolong shedding | No diarrhea x 24 hours <sup>^</sup>                                                                                                                 |                                                                                                                                                                                                                                                      |                                                                                     | Antimicrobial resistant-strains are becoming increasingly prevalent                                                                    |
| <b>Shigella</b>                                      | 1-3 days<br>(range 12-96 hours)                         | Very small (10-200 organisms)        | <4 weeks without antibiotics                           | Effective antibiotics may shorten shedding                     | 2 consecutive negative stool <sup>†</sup> 24 hours apart and no diarrhea x 24 hours <sup>‡</sup>                                                    | (2 consecutive negative stool <sup>†</sup> 24 hours apart OR effective antibiotics x 3 days) AND no diarrhea x 24 hours                                                                                                                              | 2 consecutive negative stool <sup>†</sup> 24 hours apart and no diarrhea x 24 hours | Significant antibiotic resistance; ensure prescribed antibiotics are appropriate based on antimicrobial susceptibility testing results |
| <b>STEC (Shiga toxin-producing E. coli) O157</b>     | 3-4 days<br>(range 2-10 days)                           | Very small (10-100 organisms)        | Adults: <1 week; Children: several weeks or longer     | Not recommended                                                | 2 consecutive negative stool <sup>†</sup> 24 hours apart and no diarrhea x 24 hours <sup>‡</sup>                                                    |                                                                                                                                                                                                                                                      |                                                                                     | Antibiotics may be associated with HUS                                                                                                 |
| <b>STEC (Shiga toxin-producing E. coli) non-O157</b> | 3-4 days<br>(range 2-10 days)                           | Very small (10-100 organisms)        | Unclear - likely similar to O157                       | Not recommended                                                | 2 consecutive negative stool <sup>†</sup> 24 hours apart and no diarrhea x 24 hours <sup>‡</sup>                                                    | <ul style="list-style-type: none"> <li>• <b>Worker:</b> see STEC O157</li> <li>• <b>Attendee Shiga toxin 1+ only:</b> no diarrhea x 24 hours<sup>^</sup></li> <li>• <b>Attendee Shiga toxin 2+, 1 &amp; 2+, or unknown:</b> see STEC O157</li> </ul> | 2 consecutive negative stool <sup>†</sup> 24 hours apart and no diarrhea x 24 hours | Antibiotics may be associated with HUS; less is known about the duration of shedding of non-O157 STEC                                  |
| <b>Typhoid Fever (Salmonella Typhi)</b>              | 1-2 weeks<br>(range 3 days - 2 months)                  | Moderate (<1,000 organisms)          | Variable, chronic carrier state exists                 | Antibiotics may shorten shedding and eliminate carriage        | 3 consecutive negative stool <sup>†</sup> collected 48 hours after completing antibiotics AND specimen collected no sooner than 1 month after onset |                                                                                                                                                                                                                                                      |                                                                                     | Antimicrobial resistant-strains increasingly prevalent                                                                                 |
| <b>Vibrio</b>                                        | Species-dependent                                       | Not known                            | N/A                                                    | Yes                                                            | N/A                                                                                                                                                 |                                                                                                                                                                                                                                                      |                                                                                     | Not spread person to person                                                                                                            |

\* Consult the CDPHE Communicable Disease Manual for specifics on each disease (<https://www.colorado.gov/pacific/cdphe/communicable-disease-manual>)

<sup>^</sup> Some circumstances including outbreaks may require additional stool testing before patient can return

<sup>†</sup> CDPHE generally accepts culture-independent diagnostic test (CIDT) results (e.g., PCR) when negative testing is required. A negative culture result at the CDPHE laboratory on a specimen that was positive by CIDT at a clinical lab may count as the first negative test. Consult with CDPHE on specific case circumstances.

<sup>‡</sup> Consult CDPHE for restriction options for foodhandlers not serving a highly-susceptible population.