**Figure 2-source data 1. Probability of prematurely ending isolation and mean length of unnecessarily prolonged isolation under the one-size-fit-all approach**

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|  | Probability of prematurely ending isolation | Mean length of unnecessarily prolonged isolation (days) |
| isolation period(days) | Infectiousness threshold values | Infectiousness threshold values |
| 104.5 copies/mL | 105.0 copies/mL | 105.5 copies/mL | 104.5 copies/mL | 105.0 copies/mL | 105.5 copies/mL |
| 1 | 0.997(0.995 to 0.999) | 0.981(0.976 to 0.985) | 0.943(0.930 to 0.956) | -4.2(-12 to -2) | -2.2(-8 to -1) | -0.7(-4 to 0) |
| 2 | 0.990(0.987 to 0.993) | 0.941(0.933 to 0.948) | 0.568(0.540 to 0.596) | -3.2(-11 to -1) | -1.2(-7 to 0) | 0.3(-3 to 1) |
| 3 | 0.928(0.919 to 0.936) | 0.620(0.604 to 0.636) | 0.145(0.125 to 0.165) | -2.2(-10 to 0) | -0.2(-6 to 1) | 1.3(-2 to 2) |
| 4 | 0.728(0.714 to 0.742) | 0.332(0.316 to 0.347) | 0.060(0.047 to 0.073) | -1.2(-9 to 1) | 0.8(-5 to 2) | 2.3(-1 to 3) |
| 5 | 0.511(0.495 to 0.526) | 0.161(0.149 to 0.173) | 0.013(0.006 to 0.019) | -0.2(-8 to 2) | 1.8(-4 to 3) | 3.3(0 to 4) |
| 6 | 0.343(0.328 to 0.358) | 0.084(0.075 to 0.093) | 0 | 0.8(-7 to 3) | 2.8(-3 to 4) | 4.3(1 to 5) |
| 7 | 0.220(0.207 to 0.233) | 0.050(0.042 to 0.057) | 0 | 1.8(-6 to 4) | 3.8(-2 to 5) | 5.3(2 to 6) |
| 8 | 0.151(0.139 to 0.162) | 0.029(0.024 to 0.035) | 0 | 2.8(-5 to 5) | 4.8(-1 to 6) | 6.3(3 to 7) |
| 9 | 0.092(0.083 to 0.102) | 0.020(0.016 to 0.025) | 0 | 3.8(-4 to 6) | 5.8(0 to 7) | 7.3(4 to 8) |
| 10 | 0.066(0.058 to 0.074) | 0.009(0.006 to 0.012) | 0 | 4.8(-3 to 7) | 6.8(1 to 8) | 8.3(5 to 9) |
| 11 | 0.048(0.041 to 0.055) | 0.002(0.001 to 0.004) | 0 | 5.8(-2 to 8) | 7.8(2 to 9) | 9.3(6 to 10) |
| 12 | 0.034(0.028 to 0.040) | 0 | 0 | 6.8(-1 to 9) | 8.8(3 to 10) | 10.3(7 to 11) |
| 13 | 0.024(0.019 to 0.029) | 0 | 0 | 7.8(0 to 10) | 9.8(4 to 11) | 11.3(8 to 12) |
| 14 | 0.017(0.013 to 0.021) | 0 | 0 | 8.8(1 to 11) | 10.8(5 to 12) | 12.3(9 to 13) |
| 15 | 0.012(0.009 to 0.016) | 0 | 0 | 9.8(2 to 12) | 11.8(6 to 13) | 13.3(10 to 14) |
| 16 | 0.008(0.005 to 0.011) | 0 | 0 | 10.8(3 to 13) | 12.8(7 to 14) | 14.3(11 to 15) |
| 17 | 0.003(0.001 to 0.005) | 0 | 0 | 11.8(4 to 14) | 13.8(8 to 15) | 15.3(12 to 16) |
| 18 | 0.002(0.001 to 0.003) | 0 | 0 | 12.8(5 to 15) | 14.8(9 to 16) | 16.3(13 to 17) |
| 19 | 0.001(0 to 0.002) | 0 | 0 | 13.8(6 to 16) | 15.8(10 to 17) | 17.3(14 to 18) |
| 20 | 0 | 0 | 0 | 14.8(7 to 17) | 16.8(11 to 18) | 18.3(15 to 19) |

Note: The numbers in parentheses are the 95% empirical CI.