Quiz effective date: March 1, 2022 | Quiz deadline: June 1, 2022

1. West Nile virus (WNV) emerged in the U.S. in
   a. 1937.
   b. 1967.
   d. 1999.

2. Studies have revealed that nonhuman hosts for WNV include
   a. horses.
   b. dogs and cats.
   c. chickens and livestock.
   d. all the above.
   e. none of the above.

3. In the U.S., equines account for approximately __ of reported cases of West Nile neuroinvasive disease (WNND) in nonhuman mammals.
   a. 96%
   b. 97%
   c. 98%
   d. 99%

4. Human Eastern equine encephalitis (EEE) cases are __ in the U.S.
   a. common
   b. uncommon
   c. rare

5. For 2008–2018, __ North Carolina counties experienced at least one human case attributed to infection with either EEE virus or WNV, with WNND cases observed statewide and EEE more common in central and eastern regions.
   a. 26
   b. 46
   c. 66
   d. 86

6. In general, years in which at least one human EEE case was reported experienced at least __ times as many equine EEE cases.
   a. 2
   b. 3
   c. 4
   d. 5

7. Of the 416 surveys deployed to equine farms in North Carolina, a total of __ surveys were returned.
   a. 75
   b. 84
   c. 95
   d. 104

8. Awareness of equine vaccines for the prevention of West Nile fever/WNND and EEE was reported by __ of survey respondents.
   a. 67%
   b. 73%
   c. 83%
   d. 97%

9. The following reasons were mentioned by survey respondents for not vaccinating their equines:
   a. vaccine does not work.
   b. mosquito-borne diseases are not an issue.
   c. vaccine is too expensive.
   d. both a and b
   e. all the above.

10. Of the survey respondents, __ indicated that it was very important to protect equines from mosquitoes.
    a. 40%
    b. 42%
    c. 50%
    d. 52%

11. Onset of EEE symptoms in humans typically occur within __ days of a mosquito bite, while onset occurs within __ days for equines.
    a. 4–10; 5
    b. 4–10; 6
    c. 5–10; 5
    d. 5–10; 6

12. In 2018, WNV was the most common cause of human neuroinvasive arboviral disease in the U.S. with __ of the cases.
    a. 82%
    b. 87%
    c. 92%
    d. 97%