

1. Refer to the data in Table 1. The data are in a .csv file on Blackboard. Enter the data into R and consider the following:
  - a. What is the Risk of dying from West Nile Virus when the syndrome was unknown?
  - b. What is the Risk of dying from West Nile Virus when the syndrome was WNND?
  - c. What is the Relative Risk?
  - d. What can you say about the Relative Risk in this example?
  
2. Again, refer to the data in Table 1.
  - a. What is the odds ratio of dying from West Nile Virus when the syndrome was unknown compared to when the syndrome was WNND?
  - b. What is the odds ratio of dying from West Nile Virus when the syndrome was WNND compared to when the syndrome was unknown?
  - c. Is the Odds ratio significant?
  - d. What can you say about the odds of dying from West Nile Virus in this example?
  
3. R calculated the ratio (for risk and odds) confidence intervals for you. How would you do it by hand? **Hint:** remember our discussion about the log of the odds and taking the exponent (which is the opposite of a log). *Note:* calculate away if you would like to illustrate your point or check your work, but I am looking for a few sentences describing the process.

Table 1: *West Nile Virus*

Syndrome	Death	
	Yes	No
Unknown	8	83
WNND*	15	194

\* West Nile Virus Neuroinvasive Disease