

Malaria Prevention

Name:

Malaria is a disease caused by the blood parasite Plasmodium, which is transmitted by mosquitoes. Malaria causes 200 million illnesses per year and kills nearly one million people — mostly children under the age of five. Every 45 seconds, a child in Africa dies from a malaria infection.

- 1.) List the “Who”, “What”, and completely describe any variables in this situation.

	Malaria Net Type			Total
	No Net	Untreated Net	Treated Net	
Contracted Malaria	183	134	152	
Did Not Contract Malaria	190	327	410	
Total				

- 2.) Give the marginal distribution (percentages) for “Malaria Net Type”.
- 3.) Briefly describe in words what the value 183 in the table above represents.
- 4.) Compute the conditional percentages for “Malaria Contraction” conditioning on “No Net” (down the column).
- 4.) Compute the conditional percentages for “Malaria Contraction” conditioning on “Treated Net” (down the column).