

Quiz 3

October 18, 2004

Name:

ID:

Question1

We are interested in the performance of hospitals. The government released the following informations

	Hospital A	Hospital B
Died	60	10
Survived	2000	700
Total	2060	710

1. What percent of Hospital A patients died?
2. What percent of Hospital B patients died?
3. In Which hospital do patients survive mostly?

The media wanted to have the classification of patients as being in either "poor" or "good" condition before surgery.

Here are the two, two-way classification tables:

Good condition		
	Hospital A	Hospital B
Died	6	8
Survived	592	590
Total	596	598

Poor condition		
	Hospital A	Hospital B
Died	54	2
Survived	1408	110
Total	1462	112

1. Find the percent of Hospital A patients who died who were classified as "poor" before surgery.
2. Do the same thing for Hospital B.
3. In which hospital do "poor" patients survive better

Answers:

1. $60/2060 = 0.029 = 2.9\%$
2. $10/710 = 0.014 = 1.4\%$
3. In Hospital B
4. $54/1462 = 0.0369 = 3.69\%$
5. $2/112 = 0.0178 = 1.78\%$
6. Hospital B
- 7.