Biostatistics

Archive

Lecture 17

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1. One statement is correct regarding Chi square validity:
a. Chi square can apply when the total number is less than 20
b. When the overall total is less than 20, all expected values should be at least 1
c. More than 20% of the expected numbers should be less than 5
d.None of the expected numbers should be less than 1
e. Applied to the table showing just proportions or percentiles

Answer:D. None of the expected numbers should be less than 1

2. One statement is not correct regarding Chi square validity:
a. None of the expected numbers should be less than 1
b.If the overall total is less than 40,all the expected values should be at least 5
c.There should be no cell zero
d.Less than 20% of the expected numbers should be less than 1
e.The total number should be more than 40

Answer: D. Less than 20% of the expected numbers should be less than 1

3. The following data were obtained by a student. The best type of statistical test he can apply on it will be:

	Males	Females	Total
Smokers	4	6	10
Non-smokers	7	2	9
Total	11	8	19

a.Fisher's exact test
b. Chi square test
c. T test
d. ANOVA

Answer: Answer: A. Fisher's exact test