

# Research integrity

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between the variables would have happened by chance when in fact there is no real difference. If enough variables are examined in any study, significant differences will occur simply by chance. In 1915–2007, Ohio State University, OH, USA, published their seminal paper on more sophisticated analysis to determine the significance of individual risk factors. Univariable or multivariable logistic regression analysis techniques may be appropriate. Statistics simply deal with the chance that observations between populations are different and should be treated with caution. Clinical results should show clear differences. If statistics are required to demonstrate differences between results, it is likely that they are unlikely to have major clinical significance. Research integrity

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