**Barnard’s Exact Test**

“Fisher's exact test, strictly speaking, assumes that the row and columns totals are fixed.  In practice, this assumption is not met in many experimental designs and almost all non-experimental ones.  An alternative exact test, Barnard's test, has been developed and is discussed in the following paper <http://www.cytel.com/Papers/twobinomials.pdf> . Proponents of Barnard's exact  test suggest that this method is more powerful, particularly in 2 by 2  tables.  However, many authorities suggest that Fisher's exact test can nonetheless be safely used.” ([source](http://spssx-discussion.1045642.n5.nabble.com/Chi-square-and-Fisher-s-Exact-Test-td1075915.html))

[SAS](http://support.sas.com/documentation/cdl/en/statug/65328/HTML/default/viewer.htm#statug_freq_syntax03.htm): Use Exact option with Proc Freq.

[Online Calculator](http://scistatcalc.blogspot.com/2013/11/barnards-test-calculator.html): There are others out there too.