

The logrank test, or log-rank test, is a [Statistical hypothesis testing](#) to compare the survival distributions of two samples. It is a nonparametric test and appropriate to use when the data are right skewed and censored (technically, the censoring must be non-informative). It is widely used in clinical trials to establish the efficacy of a new treatment in comparison with a control treatment when the measurement is the time to event (such as the time from initial treatment to a heart attack). The test is sometimes called the Mantel-Cox test, named after Nathan Mantel and David Cox. The logrank test can also be viewed as a time-stratified Cochran-Mantel-Haenszel test.

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Last update: **2024/06/07 02:56**

