

The process of putting a decision or plan into effect; execution.

Testing new [medical devices](#) or [procedures](#) in [terms](#) of [safety](#), [effectiveness](#), and [durability](#) should follow the strictest methodological [rigor](#) before [implementation](#).

[Methodological quality](#) refers to the level of [rigor](#) and [validity](#) in the [design](#), [implementation](#), and [analysis](#) of a [research](#) study. In other words, it refers to how well a study has been conducted and how confident we can be in its findings.

Some factors that can affect methodological quality include the [sampling](#) method, [data collection](#) techniques, the use of appropriate [measures](#) and statistical analyses, the control of [confounding](#) variables, and the reporting of [results](#). A study with high methodological quality is more likely to produce reliable and accurate results and to be considered trustworthy by other researchers and the scientific community.

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