



existing health problem. Once patients are categorized and placed into these groups, the outcomes of these people are exposed to the researcher. What makes these medical research investigations so important is the strict procedural developments in their design, implementation as well as analysis.



There are also prospective case-control studies but they are less common and are used less frequently. When conducting prospective case-control studies and throughout the course of the study, researchers look for outcomes, like the development of a disease, for example. If this is the case, experts involve refer it to another factor, which could be a suspected risk. Furthermore, these studies usually involve taking a cohort of subjects that is observed prospectively and over prolonged period of time.

Why are case-control studies useful in medical research?

Several [key benefits](#) define these medical research investigations as really useful in the sector. First and foremost, they are relatively easy and quick to carry out, because they are typically done retrospectively. The necessary data is already at hand and researchers can easily go on with the process. Next, it doesn't require too many people to provide with statistical results. The subjects involved are comparatively fewer than those in other analytical trials. What is more, case-control studies can hardly pose any ethical concerns, while procedures are being followed and tests are being performed on groups of people. And lastly, they are perfect when it comes to evaluating several exposures or risk factors for a single outcome.

To sum up all of what has been said, case-control studies are observational studies. They are primarily used to identify factors which may lead to a medical condition or a disease. To do that, researchers compare two groups of patients – cases and controls. The first group consists of people who suffer from that disease, while the second group of people does not have the condition, but are yet, to some extent, similar. The reasons why many experts prefer case-control studies is because they are time- and cost efficient, take fewer people to be investigated and allow researchers to avoid ethical challenges.

You can find the online version of this article here: <https://crotraining.co.uk/case-control-studies-what-exactly-are-they/>