



# CLINICAL TRIALS

Drug development is a lengthy process involving many stages and taking many years. Laboratory studies and early testing in cell and animal models need to take place to provide assurance that the new drug might be effective and safe for people to take. Patients only get involved in the final stage of testing, known as a clinical trial.

Clinical trials are experiments. Many drugs that have shown promise during the early phases of testing are shown to be ineffective or occasionally even detrimental once they reach clinical trials, so participation in a clinical trial should not be seen as a means of accessing better treatment. However, all clinical trials are extremely helpful in providing researchers with information and the fact that they are taking place is always positive.

**INFORMATION *STARTS***  
***HERE***

## **Why are clinical trials necessary?**

Clinical trials are research studies that determine whether potential treatments are safe and effective. It is essential to establish whether any side effects are more threatening than the disease itself and to prove beyond reasonable doubt that the drug is beneficial. The only reliable way of doing this is by monitoring the effects of a drug in a group of patients and comparing the progress of those patients with a similar group not taking the drug. The evidence from a successful clinical trial can then be used to get the drug licensed and approved for sale.

## **How are clinical trials designed?**

In order to ensure that the new treatment undergoes rigorous and fair testing, clinical trials are nearly always placebo controlled studies. This means that half of the participants are given an inert substance (placebo) that looks the same as the trial treatment but has no biological effect. Participants are assigned at random by a computer to the treatment or placebo groups and for the duration of the trial neither the researchers nor the patients know who is taking the real drug.

These processes ensure that any beneficial effects seen are entirely down to the trial drug and not due to the power of positive thinking, the extra attention from medical staff that comes with participating in a trial or any unintentional bias when patients are reporting how they feel or researchers are examining them.

## **Who can take part?**

All clinical trials have strict guidelines about who can take part. Criteria for inclusion or exclusion from the trial usually include factors such as age, stage of disease, time since symptom onset and other medical conditions. These criteria are essential to ensure that the trial produces reliable results and to help maintain participant safety. Many clinical trials require participants who are at a reasonably early stage of disease as this gives the treatment the best possible chance of working.

Trials are usually run from a handful of centres around the country with each centre generally only recruiting a small number of participants, particularly for more complex trials. Taking part in a trial often involves frequent visits to a trial centre over several months, so you will need think about whether this is practical for you when you are considering taking part. Centres will usually recruit from their local area where possible.

Many willing trial participants may find that they do not meet the criteria to take part or live too far from a trial centre. Although this is disappointing, it is important to remember that trials are experiments, not treatments, and the fact that they are happening is still a positive step.

## **If I am eligible, how do I decide if I want to take part?**

The researchers running the trial will explain the process to you and will provide written information sheets describing the trial's purpose, duration and procedures and explaining any potential risks. You will be able to ask questions and you can change your mind about taking part at any time.

Some of the potential benefits of taking part in clinical trials include:

- Being able to do something positive and contribute to research
- Additional expert medical attention
- The possibility that the trial treatment is successful.

Some of the risks and drawbacks include:

- Unpleasant or serious side effects from the trial treatment or the possibility that it could actually be detrimental
- Having to commit significant time and effort to trial centre appointments
- The possibility that you may not even be given the trial treatment because you are in the placebo group.

You might like to consider whether the trial is right for you and your carer in terms of the time and energy it will demand and if you can commit to attending every trial appointment. You might also like to consider how you feel about the possibility of being on the placebo rather than the trial drug, or the risk that you might have to drop out of the trial if side effects are too unpleasant or dangerous.

If you would like any more information on taking part in a trial or other ways in which you can participate in research, contact our Helpline on 0300 0110 122 or [helpline@pspassociation.org.uk](mailto:helpline@pspassociation.org.uk)

## Useful contacts

PSPA Helpline and  
Information Service  
Tel: 0300 0110 122  
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## Acknowledgements

Our thanks to the MND Association for  
allowing us to adapt its literature.

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