

## Clinical Research Education Day



17:00 – 20:00

### **Health Checks** — Green Room

Free preventative cardiovascular health checks provided by NHS Camden Outreach and Smokefreelife Camden

17:00 – 20:00

### **Information Alley** — Main Hall

18:00 – 18:30

### **Opening Remarks & Boxed Dinners**

Jill McNair, Director of Education, Outreach and Community Support  
The Center for Information & Study on Clinical Research Participation

### **Keynote Presentation**

Simon Denegri, National Director for Public Participation and Engagement in Research, NIHR & Chair, INVOLVE

18:30 – 19:15

### **Speaker Panel — Clinical Research Discussion**

Moderator: Dr. Yves Geysels

President, Belgian Association of Clinical Research Professionals (ACRP.be)

#### *Respiratory Focus*

Professor Peter J Barnes FRS, FMedSci

Head of Respiratory Medicine, Imperial College London

#### *Alzheimer's Disease Research Focus*

Professor Rob Howard, Division of Psychiatry, University College London,  
Professor of Old Age Psychiatry and Psychopathology  
Kings College London

#### *Oncology Research Focus*

Professor Kathy Pritchard-Jones, Programme Director—AHSN

Integrated Cancer Programme & CMO—London Cancer Development  
Bio and Cancer Program, Institute of Child Health

#### *Alzheimer's & Parkinson's Disease - Hope for the Future*

Professor John Hardy, Head of Department of Molecular Neuroscience &  
Reta Lila Weston Laboratories, Institute of Neurology  
University College London

#### *Mental Health Focus*

Professor Mike Crawford, Head of the Centre for Mental Health  
Imperial College London & Honorary Consultant Psychiatrist  
Central and North West London Foundation Trust

19:15 – 19:45

### **Participant Testimonials — Our Research Champions**

Meet individuals who have participated in clinical research.  
Hear about why they participated and how it made a difference.

19:45 – 20:00

### **Closing Remarks and Raffle**

Complete our evaluation  
to be entered into the raffle

**MUST BE PRESENT TO WIN**



# KEEP THE CONVERSATION ALIVE

Your participation at AWARE for All – Clinical Research Education Days played an important role in advancing the future of clinical research. Thank you for building awareness about participating in clinical research and helping fuel the discussion about advancing medical science.

We hope you keep impacting patients and the public by taking action to move medicine forward.



*"Thank you to the millions that participate in clinical trials each year, and to the rest of us who admire them for doing so."*

*– Center for Information and Study on Clinical Research Participation*



7 March, 2016

Dear *AWARE for All* attendees, supporters and friends:

It is with great pride and excitement that we welcome you to *AWARE for All – London*. Today serves as an important milestone in building awareness about both clinical trial participation and the crucial role that people taking part in clinical trials play in advancing medical science and public health.

We would like to thank all the members of the Planning Committee for their assistance in bringing *AWARE* to London and developing this educational programme. We are grateful for the support from national sponsors Merck and the Association of Clinical Research Professionals (ACRP), as well as key partners including: the Association of Medical Research Charities (AMRC), DrugDev, EUPATI, European Patients Forum, CML Advocates Network, Ketchum, Langland, Leukaemia CARE, MedCity, Myeloma Patients Europe, the National Institute for Health Research (NIHR), Patvocates, Quintiles, Synexus, and TrialReach.

The wonderful welcome *AWARE for All* has received from this community has been heartwarming and convinces us even further of the important need this program fills. With assistance from our community partners, flyers were distributed and event information was posted in newsletters, magazines, organisational-wide email blasts, on websites, and on social media platforms. We also disseminated educational information in newspapers and via ad walkers, ad bikes, and underground posters throughout the city.

Special thanks to the NHS Camden Outreach Service for providing and staffing today's health screenings. It is a great service to the community to be providing free cardiovascular health checks and smoking cessation assistance. If you are a Camden resident please be sure to visit the health screenings tonight between 17:00-20:00 in the Green Room.

We are also very grateful to tonight's researchers, all of whom gave up their Monday evening to share their knowledge and expertise with *AWARE for All* attendees. In addition, we would like to thank our participant panelists, all of whom will be sharing their thoughts and stories in our closing session. These Research Champions have all participated in clinical trials, and we are certain their personal stories will captivate you.

Please remember to fill out the evaluation after the Keynote presentation from Simon Denegri. We value your input and appreciate your participation in *AWARE for All – London*!

Kind regards,

Ellyn Getz  
Senior Manager  
Development, Fundraising & Events

Jill McNair  
Director  
Education, Outreach &  
Community Support

Ken Getz  
Founder and Board Chair, CISCRP  
Associate Professor, Tufts University  
School of Medicine

# AWARE *for* All

## Planning Committee

*CISCRP wishes to thank the AWARE—London planning committee for all their hard work and dedication to bring this programme to fruition!*

### **Association of Clinical Research Professionals (ACRP)**

Dr. Yves Geysels, President, Belgian Association of Clinical Research Professionals (ACRP.be)  
Senior Director Clinical Operations, Quintiles

### **DrugDev**

Will Buckley, Marketing Communications Specialist  
Bryan Dobson, Associate Director, Data Solutions  
Kirsty Kwiatkowski, Director, SiteStart  
Claire Sears, Director, Data Solutions

### **European Patients' Academy on Therapeutic Innovation (EUPATI)**

Jan Geissler

Director, EUPATI

Co-Founder, CML Advocates Network/Vice President Leukemia Patient Advocates Foundation, Switzerland

Chair, Leukaemie-Online / LeukaNET e.V., Germany

Founder and Managing Director, Patvocates GmbH, Germany

### **European Patients Forum**

Nicola Bedlington, Secretary General

### **Leukaemia Care UK**

Tony Gavin, Retired, Formerly Director of Campaigning and Advocacy

Zack Pemberton-Whiteley, Head of Campaigns and Advocacy

### **Melanoma UK**

Gillian Nuttall, Founder





## **Planning Committee**

*CISCRP wishes to thank the AWARE—London planning committee for all their hard work and dedication to bring this programme to fruition!*

### **Merck**

Lena Bieber, Senior Specialist Employee Engagement Communications  
Biopharma Group Communications, Healthcare Communications

Simon Bracewell, Site Relationship & Operations Lead, UK & Ireland  
Biopharma, Global Operations, Regional Clinical Operations

Tanja Keiper, Associate Director, Global Clinical Operations—External Innovation

Andrea Schratt, Director, Head of CTM—Clinical Trial Coordination  
Biopharma, Global Research & Development, Global Clinical Operations

Paulo Moreira, Vice President, Global Clinical Operations, Head of External Innovation

### **MetaCure Germany GmbH**

Norbert Clemens, Clinical Operations Director

### **Myeloma Patients Europe**

Ananda Plate, Operations Manager

### **TrialReach**

Lisa Brockway, Director of Communications  
Sarah Kerruish, Chief Strategy and Growth Officer

# AWAREforAll

## Community Partners and Exhibitors

*Thank you to our community partners, many of whom are exhibiting and providing information in the Main Hall!*

<b>Alzheimer's Society</b>	<b>Ketchum</b>
<b>The Association of Medical Research Charities (AMRC)</b>	<b>Kings College</b>
<b>The Association of Clinical Research Professionals (ACRP)</b>	<b>Langland</b>
<b>Asthma UK</b>	<b>Leukaemia CARE</b>
<b>Barts Queen Mary University of London</b>	<b>London Cancer, UCL Partners</b>
<b>Bloodwise</b>	<b>The London Young Persons Advisory Group</b>
<b>Bowel and Cancer Research</b>	<b>Lupus Europe</b>
<b>Camden Housing</b>	<b>Macmillan Cancer Support</b>
<b>The Camden Outreach Service</b>	<b>Melanoma UK</b>
<b>Cancer Research UK</b>	<b>Merck</b>
<b>CenterWatch</b>	<b>The Migraine Trust</b>
<b>Crohn's and Colitis UK</b>	<b>MK&amp;A</b>
<b>Cure Parkinson's Trust</b>	<b>Multiple Sclerosis Society</b>
<b>DrugDev</b>	<b>Myeloma UK</b>
<b>Edelman Network</b>	<b>The National Institute of Health Research (NIHR)</b>
<b>Eli Lilly</b>	<b>Nuffield Council on Bioethics</b>
<b>European Patients' Academy</b>	<b>The Office of London Clinical Commissioning Groups</b>
<b>eyeforpharma</b>	<b>Parkinson's UK</b>
<b>Great Ormond Street Hospital</b>	<b>Patient Information Forum (PiF)</b>
<b>Guy's and St. Thomas' NHS Foundation Trust</b>	<b>Patient Led Research Hub</b>
<b>HealthUnLocked</b>	<b>Patients Like Me</b>
<b>Hudson Global</b>	<b>Quintiles</b>
<b>iCAN KIDS</b>	<b>Sarah Cannon Research UK</b>
<b>Ignite Data</b>	<b>Stroke Association</b>
<b>INC Research</b>	<b>Synexus</b>
<b>INVOLVE</b>	<b>Talkhealth Partnership</b>
<b>Join Dementia Research</b>	<b>UCL Partners</b>
	<b>William Harvey Clinical Research Centre</b>

## Health Screenings

Are you a Camden resident or do you see a General Practitioner in Camden? You're welcome to visit the following health checks provided by the Camden Outreach Service in the Green Room: *Preventative cardiovascular health checks & Smoking cessation assistance*



Clinical Trial Participants  
are Research Champions



Have you ever taken an allergy medicine? Have you ever given your child a pain reliever? Perhaps you have a friend or a family member who is a cancer survivor.

If so, you can thank a clinical trial participant.

Around the world people are living longer, healthier lives because someone they never met took part in a clinical trial. And that research helped find a way to prevent, treat or cure a certain medical condition.

That’s why we like to call these clinical trial participants “Research Champions.”



If you are being treated in the NHS, you may be asked to take part in a clinical trial. Clinical trials are research studies that involve patients or healthy people and are designed to test new treatments. They are carried out to try to answer specific questions about health and illness, and they cover a broad range of different types of research.

For example, trials are often used to test new medicines or vaccines but can also be used to look at new combinations or existing medicines.

## What do we learn from trials?

- How well does a new drug work or not work?
- Is there a better way to treat a disease like Alzheimer's?
- How do genes affect illness?
- Do people's environments affect their health?
  - Where they live?
  - What they eat?
  - How much they exercise?



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What we learn from research studies improves public health.

And it all starts with a question like this:

- How well does a new drug work or not work?
- Is there a better way to treat a disease like diabetes?
- How do genes affect illness?
- Does where people live change their health?

## What is a clinical trial?

- Medical research studies that aim to answer the following questions:
  - Is a treatment safe?
  - Does it improve a certain medical condition?
  - Does it have side effects?
  - How should people take it?
  - Is it any better than medicines that are already on the market?



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So what is a clinical trial? Clinical trials are medical research studies involving people. They aim to test whether different treatments are safe and how well they work. They aim to find the best ways to:

- Prevent disease and reduce the number of people who become ill
- Treat illness to improve survival or increase the number of people cured
- Improve the quality of life for people living with illness, including reducing symptoms of disease or the side effects of other treatments, such as cancer chemotherapy

### Why is it important?

Clinical trials are the best way to compare different approaches to preventing and treating illness and health problems. Doctors and other healthcare professionals and patients need evidence from clinical trials to know which treatments work best. Without this evidence, there's a risk that people could be given treatments that have no advantage, waste NHS resources, and might even be harmful.

Clinical trial results also form an important part of the evidence used to decide whether a particular treatment will be provided through the NHS.

## A clinical trial is NOT the same as standard of care

- Standard of Care
  - Routine care
  - Has been tested and approved
  - Works for most people
- Clinical Trial
  - Looks for answers to a question
  - Still learning how it works



It's important to understand that being in a clinical trial is not the same as going to your doctor for care. When you go to your doctor, she'll give you a treatment that has already been tested and approved by the government. This is called "routine" or "standard of care." This is the care we know works for most people. This is the care you would get if you go to the doctor for regular check ups or if you had a health problem. An example of usual care is a person breaks a bone and the doctor applies a cast. We know how it works for most people. An example of a clinical trial is: checking whether a new drug keeps breast cancer from coming back.

Some people in a clinical trial will therefore receive the standard treatment but, until the results of the trial are analysed, no one will know which treatment is better. 'New' doesn't always mean 'better.'

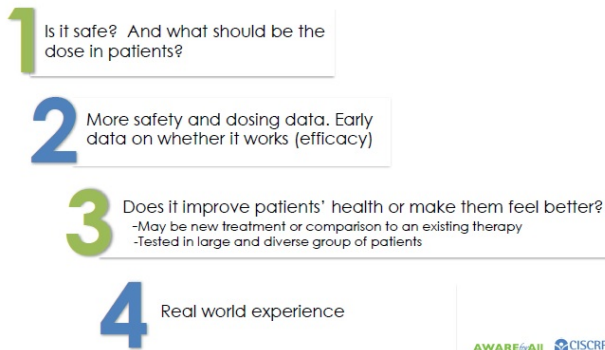


You can't fully understand something by studying just one group of people.

We know that things like being male or female, age, race and ethnic background – affect the way people respond to diseases and treatments. For example, Alzheimer's disease happens twice as often in women than men. Type-2 diabetes and asthma are more common in African Americans. Hispanics, Asian and White women are more likely to develop osteoporosis. Children respond to drugs differently than adults.

That's why scientists need all different types of people to participate in research. Small studies produce less reliable results than large ones, so studies often have to be carried out on a large number of people before the results are considered sufficiently reliable.

## Clinical trials: a 4 phase process



During phase 1 trials, a drug is tested for the first time with a very small number of volunteers. And often these are healthy volunteers. The goal of these trials is to learn what is a safe dose. And how does it work in the body. Is it harmful?

In phase 2 trials, researchers begin to understand how well a drug works. And if it is safe for patients who have a specific disease or condition. Like phase 1, safety is still the main goal. Phase 2 trials aim to test the new drug in a larger group of people to better measure the safety and side effects, and it aims to see if the drug has a positive effect in patients.

Only about one-third of drugs that enter clinical testing ever successfully complete phase 2 and progress to larger, phase 3 trials. Phase 3 trials are large and may include hundreds, or sometimes many thousands, of patients from all over the UK, and often from several countries. At this stage, researchers may check the drug's safety and how well it works in different groups of patients. Or the trial may compare the new drug with an already approved drug.

Phase 4 trials are carried out after a new drug has been shown to work and has been given a license. They aim to find out how well the drug works when it is used more widely, the long-term risks and benefits, and more about possible rare side effects.

## How are trials supported?



Many different types of organisations support clinical trials. These include:

- The NHS
- The Medical Research Council and government departments or agencies
- Charities
- Pharmaceutical companies

All trials, no matter who funds them, are checked and monitored in similar ways to make sure that the people who take part are protected. Each trial also has a sponsor who is responsible for the conduct of the trial. The sponsor may be the organisation funding the trial or the institution hosting the research, for example, a university.

Many of these organisations involve patients to help decide what will be researched in the future.





Research involves a lot of people who do different things. Like members of a sports team, clinical trials have coaches, players, and officials and each person has an important role to play.



## Chief/ Principal Investigator (PI)

### Like the team manager

- Organizes the clinical trial
- Records and studies the data
- Directs the study staff
- Follows a trial protocol (game plan)



The Principal Investigator (PI) is like the team manager. He or she is responsible for the research site where the study involves specified procedures requiring Site Specific Assessment (SSA). There should be one PI for each research site. In the case of a single-study, the chief investigator and PI will normally be the same person for organizing and leading the study as well as recording and studying the data. The PI also directs the team.

Like a team manager, the principal investigator follows a play book, which is called the study “protocol.”

The trial protocol is a set of instructions that everyone in the game must follow. It’s the plan for how the study will be carried out. Doctors, nurses, patients and researchers work together with statisticians, trial managers and representatives from pharmaceutical companies if relevant, to design the best possible trial.



## Research Nurse (RN) & Clinical Trials Practitioner (CTP)

### Like the assistant manager

- Handles day-to-day activities
- Works with principal investigator (PI)
- Screens patients for eligibility
- Main contact for volunteers
- Communicates with patient’s GP



The research staff members are like assistant managers who help the Chief / Principal Investigator. The Research Nurse (RN) & Clinical Trials Practitioner (CTP) handles the day-to-day activity at the research site. He or she has easy access to the principle investigator and is the main contact for volunteers.

If you have questions about the trial or your health, ask the Research Nurse





## Participant Protections

### Like the referees

- Review the study before it starts
- Make sure the team follows the rules
- Keep you safe and informed



Referees help protect the safety of participants by making sure teams follow the rules. The referees review the study before it starts. The referees keep you safe and give you all the information. The number and type of referees involved in a trial depends on the research being conducted.

Regulation around clinical trials is tight. Generally speaking, the rules are there to ensure that trials are run safely, ethically and with the full consent of everyone taking part. Trials are approved by a group of researchers not involved in the clinical trial. This is called independent scientific review or peer review. The independent research ethics committee will also review the protocol, which is responsible for looking after volunteer rights, safety, dignity, and wellbeing.



## Participant Protections

### Research Ethics Committee:

- Make sure a trial is ethical and fair
- Make sure a trial is not too risky for volunteers
- Receive continuous updates on trial status
  - Serious side effects from study drugs
  - Change in study plan
- Can end a trial if it feels participants are not safe



Every clinical trial is reviewed, approved and watched over by an independent group of researchers not involved in the trial. This is called a research ethics committee.

An independent research ethics committee will also review the protocol to make sure a trial is ethical and fair and that the potential benefits of a new treatment are likely to outweigh the side effects.

During the trial, researchers must let the ethics committee know if there are any changes in the study plan. Or if participants experience serious injuries or side effects. The ethics committee can end a trial if it feels participants are not safe.



## Participant Protections

### Regulatory Bodies (e.g. MHRA)

- Reviews studies
- Inspects research centers
- Monitors research groups
- Has the final say as to whether or not a treatment is approved



The Medicines and Healthcare Products Regulatory Agency (MHRA) needs to review and approve trials of a medicine and issue a clinical trial authorisation (CTA). The MHRA inspects sites where trials take place to make sure that they're conducted in line with good clinical practice.

The MHRA is sponsored by the Department of Health. All trials are regulated, whether or not they take place within the NHS.



## Participants

### Like the players

- The MOST important team member
- Wide range of studies available
  - UK Clinical Trials Gateway: [www.ukctg.nihr.ac.uk](http://www.ukctg.nihr.ac.uk)
- Healthy volunteers are needed too!



Now let's talk about the most important members of the team: The clinical trial participants. Participants are like the players on the field. Without them, research can't happen.

We need all different types of people to participate in clinical trials. You don't even need to be sick. A lot of research involves healthy volunteers.



## Friends, family and your supporters

### Like the fans

- People to talk to about the study
- Help you ask questions about the study
- Support you during the study



Your friends and family may provide you a support system while you are taking part in a trial. It is good to talk to your friends and family about the clinical trial. They can help you come up with questions to ask your doctor about the study. They can also support you while you participate. In the end it is your job to make the final decision if you will participate in the trial.



## Eligibility Criteria

Who is the right player for the game?

Everyone has a chance to participate in clinical trials—you just have to find the trial that is right for you.

Just like in rugby there are rules and not everyone can be on the field at the same time.

The research team has a list of requirements for the participants just like the coaching staff draft players. Both the coaches and the players have to know the game and agree to work together.

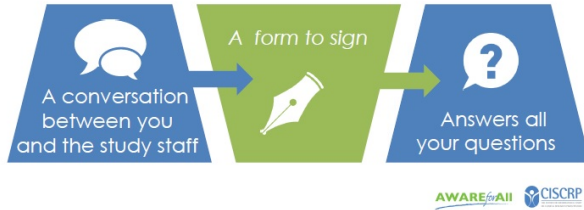
Let's talk about eligibility first. A 10-year-old would never be allowed to play on a pro rugby team,

Just like in sports, clinical trials have "eligibility criteria." These are guidelines that say who can or can't be in a study. Eligibility criteria protect people if a trial might be too risky for them. This helps researchers get results that are correct and mean something.

If you're considering a trial, you must be honest with researchers about your health. Lying or hiding information to get into a trial could endanger your safety and ruin the trial.

## Informed Consent

A process to make sure you understand and agree to be in the study



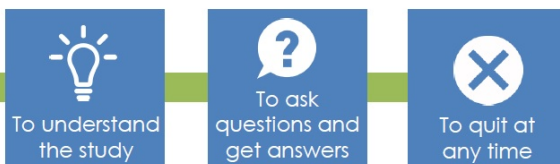
OK, let's assume the coaches say you're eligible to play. The next question you have to ask yourself is: Do I choose to play? Well, that depends, right? You can't say whether or not you want to participate without understanding the rules of the game. What are your responsibilities as a player? How long will the game last? What are the risks and benefits of playing? What are you going to get in exchange for playing?

The "informed consent" process is designed to answer all these questions and is required by the Health Research Authority (HRA). This is one of the most important parts of research and it's a term you're going to hear a lot.

Before any person can participate in a trial, he or she must read, understand and sign the informed consent form. This is a form that lists your rights as a volunteer. It includes detailed facts about the trial. It describes your job as a volunteer and any procedures or tests you'll need to have. It will warn you about any known or unknown side effects of the study drug. It describes the benefits of participating in the trial. By signing the form you're saying that you understand the trial and are agreeing to do what the study asks.

The informed consent form is a complex document. The study staff should go through it carefully with you and answer all your questions. You should never feel rushed or pressured to sign the form and give permission to participate.

## You have rights and responsibilities



As a clinical trial participant you have rights.

You have the right to understand the purpose, benefits, risks and side effects of the clinical trial.

You have the right to ask any questions and discuss any concerns with the research staff at any time during the trial. And you have the right to full, complete and clear answers.

Most importantly, you have the right to quit the trial at any time for any reason. You are a volunteer and are free to leave the trial if you choose



You've heard a lot about clinical trials and your rights and responsibilities as a participant. But I'm sure a lot of you are still struggling with the most basic question: "Should I participate or not?"

Deciding to take part in a clinical trial is a personal decision. What's right for the person sitting next to you may not be right for you.

## Understanding the study design

### Study Methods



Scientists set up their studies so that their research will be fair. They also want their research to be accurate and unbiased. In other words, they don't want their own ideas about what they think should happen in a trial to influence the results.

To set up fair studies, scientists will often split volunteers into groups by chance. This is like a coin toss. The researcher and the participant do NOT get to decide which group the participant will be in. This is called a "randomised" study. People are allocated at random to the treatment groups in the trial, usually by using a computer programme.

Sometimes researchers will go a step further and "blind" a study. This means that the participants do NOT know which treatment they are receiving. This is because if they knew which treatment they were getting, it might influence how they felt or how they reported their symptoms. Some trials are "double-blind," which means that neither the participants nor the doctors treating them know which people are getting which treatments.

In some trials, researchers will use a "placebo". A placebo treatment is designed to appear very similar to the treatment being tested. It looks like a real drug, but it has no medicine in it. Sometimes the placebo is referred to as a "sugar pill." What's interesting is that even though the placebo has no medicine in it, there are times when people who are taking a placebo improve or feel better during a trial. This is called the "placebo effect." As a clinical trial participant, even if you are on a placebo, you will be closely monitored and researchers can tell whether the treatment is having any real benefit.

## Possible benefits



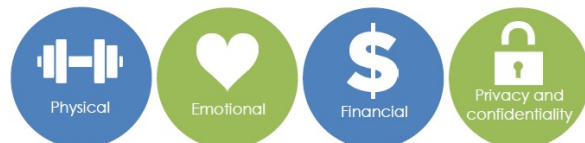
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Deciding whether or not to participate in a clinical trial is an important, personal decision. Here are some of the reasons why people say they get involved in clinical trials.

- Get access to brand new therapies that are not yet available on the market;
- Advance science and help others with their condition
- The research staff will observe your health closely

The main reason for carrying out trials is to assess whether one treatment is better than another. During the trial, your treatment and progress may be monitored more closely than if you were receiving the usual treatment. By being involved in a trial, you'll obtain health information that may be helpful to you in the future, as well as help the NHS provide people with the best standard of care.

## Possible risks



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All research involves risk – because we are asking a question and do not know what will happen. Researchers do their best to ensure that you are safe, but there are no guarantees. You need to be comfortable with the risks that you might experience.

- There can be physical risks. You may not get better. There may be unexpected and uncomfortable side effects. As with any treatment, you can't be sure of the outcome. You may be given a new treatment that turns out not to be as effective as the standard treatment option available.
- Emotional risk - Most clinical trials ask you to take a quality of life survey to see how you are doing – some of these questions can be upsetting or cause distress
- Financial risk – there could be out of pocket expenses such as parking, child care and missing work. You may have to visit your place of treatment more often, or have more tests, treatments or monitoring than you would if you were receiving usual care.
- Privacy and confidentiality – usually your health information is private, when you agree to participate in research, you are giving permission for researchers to collect information about you. Researchers must follow rules that protect your privacy and your information.

## Things to consider...

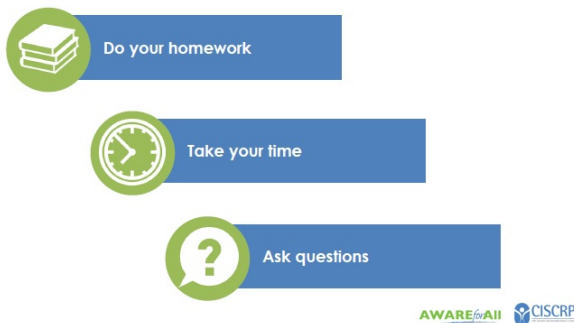


All your doctors need to know you are in a clinical trial – be sure to let all your doctors know you are in a clinical trial and have a contact number for the research staff with you in case of an emergency.

This will require your time and commitment – participating takes time and effort, be sure you have the time to participate and if you don't just let the study staff know that this is not a good time. You can always stop your participation and participate in other ways or in future research.

The clinical trial could end at any time – even if you want to continue to participate, your doctor, the referees, or the company making the drug could stop the study – be sure to ask these questions when you sign the consent form.

## Education before participation



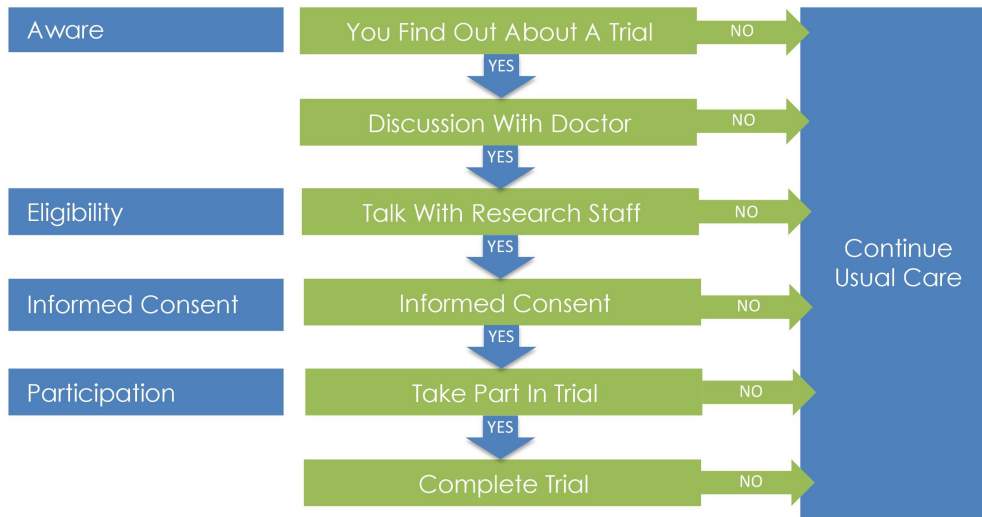
Many participants drop out of studies because they didn't fully understand what they were signing up for. Both the participants and the research suffer when this happens.

- Do your homework. Learn about the trial and ask questions. Read all the information provided by the study staff. You may even go on-line to research the treatment being studied.
- Take your time. There is absolutely nothing wrong with asking a researcher to slow down or explain something using simpler words.
- Ask questions. Talk about your concerns with the study staff, your doctor and your friends and family. Bring a friend or family member to study visits so they can ask questions too. Try tape recording your visits or take notes so you can refer to the information later and follow up with questions as needed.

If you decide to join a trial, you should feel confident that you have made an informed choice. You should feel comfortable that the trial staff will support you and answer all your questions.



# Your decision at every step



Here's a handy way to think about it, at every step.

You start by becoming aware of a certain clinical trial. You think you're interested so you discuss it with your doctor. You'll be given some printed information to take away and review. If you're still interested, you need to know all the details. So you can talk to the research staff and find out whether you're eligible. If it sounds like something that's right for you, you can choose to sign the informed consent.

But even while you're taking part in the study, continue to ask questions and decide whether you choose to complete the study or not.

## Where should you go to learn more?

- [www.library.nhs.uk/trials](http://www.library.nhs.uk/trials)
- [www.nihr.ac.uk](http://www.nihr.ac.uk)
- [www.controlled-trials.com/mrct](http://www.controlled-trials.com/mrct)
- [www.ciscrp.org](http://www.ciscrp.org)
- [www.controlled-trials.com/ukctr](http://www.controlled-trials.com/ukctr)
- [www.ukcrc.org.uk](http://www.ukcrc.org.uk)



Remember, today's presentation is an important first step. Now it's up to you to learn more about clinical trials.

The best place to start is with your doctor. You can also get information from your local research center, disease advocacy groups, medical journals and conferences.

There are also a number of web sites devoted to clinical trials. They are listed on this slide and in your handbook for your reference.

Please consult the nonprofit CISCRP by visiting [www.ciscrp.org](http://www.ciscrp.org).

If you do not have access to the internet, talk to your doctor, research site, friends and family to help find resources for you.





**Thank you...**

to the millions of people who give the gift of participation in clinical trials each year and to the rest of us who admire them for doing so.



Clinical trial participants are truly Research Champions without whom medical science cannot move forward. Thank you for taking time today to learn about the clinical research process. And we strongly encourage you to share what you've heard with your friends, family and people throughout your community.

Thank you to the millions of people who give the gift of participation in clinical trials each year; and to the rest of us who admire them for doing so.

**For More Information Visit:**  
**[www.ciscrp.org](http://www.ciscrp.org)**

CISCRP provides a free search service designed to help patients find trials that might be right for them.

**[www.searchclinicaltrials.org](http://www.searchclinicaltrials.org)**

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# Understanding Clinical Trials



The UK Clinical Research Collaboration (UKCRC) is a partnership of organisations working to establish the UK as a world leader in clinical research, by harnessing the power of the NHS. The aim is to revitalise the environment for clinical research in the UK, benefiting patients and the public by improving national health and increasing national wealth.

The partnership includes the main UK research funding organisations, academia, the NHS, regulators, industry and patients.

One of the key aims of the partnership is to increase public awareness and understanding of clinical research and to promote active patient and public involvement in the research process.

**[www.ukcrc.org](http://www.ukcrc.org)**

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The UKCRC welcomes any feedback that can help to improve our publications. If you would like to make any comments on this booklet please contact the UKCRC by email at [info@ukcrc.org](mailto:info@ukcrc.org) or in writing to:

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igniting our potential

# Understanding Clinical Trials



1st edition

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# Introduction

If you are being treated in the NHS you may be asked to take part in a clinical trial. Clinical trials are research studies that involve patients or healthy people and are designed to test new treatments.

In this booklet we use the term 'treatments' to mean a wide range of health care approaches that can be tested in a clinical trial including drugs, vaccines, other approaches to disease prevention, surgery, radiotherapy, physical and psychological therapies, educational programmes and methods of diagnosing disease.

This booklet has been written to try to answer the many questions people ask about clinical trials. It explains what clinical trials are and why and how they are carried out. It is designed to give you the information to help you to decide whether to take part in a trial. It also includes some of the questions you may want to ask before you make a decision to join a trial.



# What are clinical trials?

Clinical trials are medical research studies involving people. They aim to test whether different treatments are safe and how well they work. Some trials involve healthy members of the public. Others involve patients who may be offered the option of taking part in a trial during their care and treatment. Clinical trials are carried out to try to answer specific questions about health and illness.

## **They aim to find the best ways to:**

- ▶ prevent disease and reduce the number of people who become ill
- ▶ treat illness to improve survival or increase the number of people cured
- ▶ improve the quality of life for people living with illness, including reducing symptoms of disease or the side effects of other treatments, such as cancer chemotherapy
- ▶ diagnose diseases and health problems.

Clinical trials cover a broad range of different types of research. For example, trials are often used to test new medicines or vaccines but can also be used to look at new combinations of existing medicines. They can also be used to test whether giving a treatment in a different way will make it more effective or reduce any side effects. Some trials are designed to try out ways to prevent a particular disease in people who have never had the disease, or to prevent a disease from returning. The

treatments being tested in these types of studies can include vaccines, but may also involve drugs or dietary supplements such as vitamins and minerals.

Clinical trials are not always about testing medicines, they can be used to test 'interventions' aimed at modifying a person's behaviour or lifestyle. This could include an educational programme designed to improve a person's understanding of their medical condition and help them to manage it more effectively, or a psychological treatment, such as the use of cognitive behavioural therapy for the treatment of anxiety or depression.

## **Why are clinical trials important?**

Clinical trials are the best way to compare different approaches to preventing and treating illness and health problems. Health professionals and patients need the evidence from trials to know which treatments work best. Without trials, there is a risk that people could be given treatments which have no advantage, waste resources and might even be harmful. Many treatments that are now in common use in health care were tested in clinical trials.

Some types of clinical trial are designed to look at a treatment at an early stage of its development. Researchers and regulators will look at the information they have gathered and decide whether it is safe and appropriate to continue the development of that treatment. If the treatment has no benefit or has serious

side effects, it may not be developed further.

During the later stages of development of a treatment researchers will report on the benefits and risks so that doctors can decide whether or how best to use it. It is important that the results of clinical trials are published so that others can use the information to help them make decisions about treatment and health care. Clinical trial results also form an important part of the evidence used to decide whether a particular treatment will be provided through the NHS.

## How are trials set up?

Clinical trials are designed by doctors and other specialists with input from a wide variety of people, increasingly including patients. They work together to decide what questions need to be answered. First of all they look carefully at the results of the trials that have already been done to find out what is already known. This is called a **systematic review**. A systematic review provides more accurate answers than individual trials and also helps to identify important questions that still need to be answered through further research.

Doctors, nurses, patients and researchers work together with statisticians, trial managers and representatives from pharmaceutical companies if relevant, to design the best possible trial. The design for the trial forms the basis of the **trial protocol**.

When the trial protocol is ready it is sent to a **research ethics committee**, an independent group of people that includes doctors, nurses, other medical staff, members of the public and sometimes lawyers. They decide whether the trial is ethical. In particular they check whether:

- ▶ the potential benefits of a new treatment are likely to outweigh the side effects
- ▶ the information provided to help people to decide whether they want to participate in a trial is clear and satisfactory
- ▶ the way in which people will be asked to take part in a trial (recruited) is appropriate
- ▶ there will be compensation for people in the trial in the unlikely event that something goes wrong
- ▶ travel expenses will be offered to people who take part.

The trial can only go ahead when it has been approved by an ethics committee.

## Who can take part in clinical trials?

All trials have guidelines about who can take part. These are called **eligibility criteria**. Eligibility criteria are used to ensure that trials include the sort of people who may benefit from the treatment, and to make sure that people who take part are not exposed to avoidable risks. This means that there may not

always be an appropriate or suitable clinical trial for you to take part in.

The **inclusion criteria** help the researchers to decide who *can* take part in the trial. Some trials only include people in a certain age group, or of one sex, or at a particular stage of their illness.

The **exclusion criteria** state who *cannot* take part in the trial. For example, many drug trials do not allow pregnant women to take part as there may be a risk to the unborn baby. People who are already taking particular medicines may also be excluded as these may affect the trial treatment.

Before you go into a trial you may have to have some extra tests to see if you are eligible or to ensure that you are not likely to be at risk of being harmed by the treatments in the trial. For example, if a potential side effect of a new drug is that it increases blood pressure you may have your blood pressure checked to see if you are eligible to join the trial.

## How are people recruited to a trial?

A clinical trial is often run in a number of different hospitals or health centres. The doctor or nurse who asks you to take part in a clinical trial may not be the person who designed and set up the study, especially if it is very large. However, they will have been fully briefed about the study before agreeing to become

involved. They can give you all the information you need and will be able to answer your questions.

## **What are the risks and benefits of trials?**

Clinical trials are carefully designed to minimise the risks and maximise the benefits to all who take part, whatever treatment they receive. Some trials will have very little risk involved. However, the risks of a trial may be greater when less is known about the treatment being tested. Before any drugs are first given to people, they will have been developed in a laboratory and checked for safety in animals.

In all trials the treatment may cause side effects that doctors cannot predict and that you may not be expecting. These may be unpleasant and very rarely can be life-threatening. You should be told everything that the researchers know about any possible risks and side effects and why the trial is necessary so that you can make an informed choice about whether to take part.

If you take part in a trial you will be monitored regularly during and after the study. You will have regular tests and you may be asked some extra questions about how you are feeling. You may also be asked to fill out questionnaires or to keep a diary. Sometimes this means going to your hospital or GP more often than you would normally, so bear this in mind before you agree to take part. Ask how many extra visits will be needed and

consider how convenient this will be for you. Usually there will be money available to help with any extra costs you have.

The benefit to you of this extra attention is that any changes in your health, whether or not they are related to the treatment you are having, are frequently picked up and acted upon earlier than if you were not in a trial. However, some people find that the extra attention makes them worry more about their condition and prevents them from 'getting on with their life'.

It is important to remember that not everyone receives a new treatment in a clinical trial. A clinical trial needs to compare a new treatment with the standard treatment already in use, if there is one. Some people in a trial will therefore receive the standard treatment but, until the results of the trial are analysed, no one will know which treatment is better. '**New**' does not always mean '**better**' and you may not be worse off if you do not receive a new treatment.

People who take part in trials often feel that they are taking an active part in their health care. They are also helping others, and possibly themselves, by helping to identify the best treatments.



## How are trials supported?

Many different types of organisation support clinical trials. These include:

- ▶ the **NHS**
- ▶ the **Medical Research Council** and government departments or agencies
- ▶ **charities**
- ▶ **pharmaceutical companies.**

All trials, no matter who funds them, are checked and monitored in similar ways to make sure that the people who take part are protected. Each trial also has a **sponsor** who is responsible for the conduct of the trial. The sponsor may be the organisation funding the trial or the institution hosting the research, for example, a university.

Many of these organisations involve patients to help decide what will be researched in the future. It is essential that research takes into account the needs and interests of the people it is trying to help. Specialists are often aware of gaps in knowledge about diagnosis and treatment but patients and their families may also see aspects of care that need further research.

# How are trials designed and run?

## Are there different types of trial?

Clinical trials are carried out in a number of stages. Early stage trials usually involve a small number of patients or healthy people. When psychological treatments or educational programmes are being tested, these early stage studies can be used to ‘fine tune’ the treatment before it is tested in a large group of people. For trials of medicines and other treatments, early stage studies are carried out in a small group of people to assess safety by looking for unwanted side effects. Later stage clinical trials usually involve larger numbers of participants and are usually **randomised trials**. The process of **randomisation** is explained later in this section.

A good example of how the clinical trial process helps to answer important questions is the development of new drugs. These are first developed in the laboratory to see whether they may be helpful in the prevention or treatment of a particular illness. They are then tested in animals to check their safety and to find out how they affect the body. If they look like they may be of benefit and are likely to be acceptably safe they will then be tested through different stages of clinical trials. For drugs, the different stages of clinical trials are known as **phases**:

### Early stage:

#### Phase 1

Phase 1 is the first stage and usually involves small groups of healthy people or sometimes patients. Phase 1 trials are mainly aimed at finding out how safe a drug is.

## Phase 2

By the time a drug reaches Phase 2, researchers will know quite a lot about it.

### Phase 2 trials aim to:

- ▶ test the new drug in a larger group of people to better measure the safety and side effects
- ▶ see if the drug has a positive effect in patients.

## Later stage:

### Phase 3

Phase 3 trials are large and may include hundreds, or sometimes many thousands, of patients from all over the UK, and often from several countries.

### Phase 3 trials aim to:

- ▶ compare the effects of newer drugs with the standard treatment, if there is one
- ▶ find out how well the drug works and how long the effects last
- ▶ find out more about how common and serious any side effects or risks are and about any possible longer term problems that could develop.

## Phase 4

Phase 4 trials are carried out after a new drug has been shown to work and has been given a licence.

### Phase 4 trials aim to find out:

- ▶ how well the drug works when it is used more widely
- ▶ the long-term risks and benefits
- ▶ more about the possible rare side effects.

Phase 1 trials only pick up very common side effects. Phase 2 trials help to pick up less common side effects, but Phase 3 or 4 trials are needed to properly assess safety and risks.

If you are asked to take part in a trial, there are a number of terms which you may hear:

### ▶ **Controlled trials**

**Controlled trials** are designed to compare different treatments. Most controlled trials compare a new treatment with the standard or usual treatment by setting up two groups of people. One group, known as the **trial group** or **intervention group**, are given the new treatment. The other group is given the standard treatment and is known as the **control group**. In situations where there is no standard treatment the control group may not be given any treatment at all or may be given a **placebo**.

A **placebo** treatment is designed to appear very similar to the treatment being tested. For example, in a drug trial the placebo looks exactly like the real drug, but in fact it is inactive. By comparing people's responses to the placebo and to the treatment being tested, researchers can tell whether the treatment is having any real benefit.

The control group is very important. Comparing the results of the control group with those of the treatment group is the only way researchers can reliably find out whether any improvement seen with the new treatment is really due to that treatment and not just due to chance.

### ► **Blind trials**

In a **blind trial**, the participants are not told which group they are in. This is because if they knew which treatment they were getting, it might influence how they felt or how they reported their symptoms. Some trials are **double-blind**, which means that neither the participants nor the doctors treating them know which people are getting which treatments. This also avoids the doctors' hopes and expectations influencing the results of the trial.

To prevent people from guessing which treatment they are getting, all the treatments are made to look as similar as possible. For example, in a drug trial all the tablets will look the same whether they are the new treatment or the standard treatment.

## ► Randomisation

Many trials are **randomised**. This means that people are allocated at random to the treatment groups in the trial, usually by using a computer programme. This is done so that each group has a similar mix of people of different ages, sex and state of health.

If it were left to the doctor or patient to decide who should get which treatment they might be influenced by what they know about their illness. Patients who are more or less likely to respond to a new treatment might all go into one particular group. In that situation, if one group did better than the other it would not be clear whether the difference was due to the treatment or because the groups were different.

If the people are allocated to the treatment groups at random, like will be compared with like. If one group does better than the other, it is likely to be because of the treatment, as the two groups are very similar in every other way.

## Why do some trials need many people?

Some clinical trials need thousands of people to take part. This is because sometimes the difference between the effects of two treatments is small. Therefore large numbers of people are needed to find out reliably whether one treatment is better than another. Statisticians give expert guidance to help the researchers make sure a trial includes enough people to give reliable results.

## Why do trials sometimes take many years?

It can sometimes take a long time to get the results of particular trials. This can be for a number of reasons:

- ▶ it can take a long time to recruit enough people to take part in the trial
- ▶ it may involve giving a treatment over a long period of time
- ▶ it may be important to follow up patients over a long period of time to get a reliable picture of the long-term effects of a treatment.

# Are you thinking about joining a trial?

## What is 'informed consent'?

A doctor, nurse or other researcher should always ask your permission to enter you into a clinical trial. They cannot enter you into the trial if you do not give your consent.

There are a few exceptional circumstances where the consent process is different, and people might be entered into a trial without their consent. For example, in a trial of the treatment of head injuries or dementia an individual may not be able to give their consent. In these cases consent may be obtained from a relative or other legal representative and there will be additional safeguards to protect the participants.

Where clinical trials involve children the consent process is also different and will be fully explained by the person recruiting to the trial.

To help you decide whether you want to take part in a trial, the researcher should explain:

- ▶ the aim of the study - what it is trying to find out
- ▶ how you will be treated and what you will need to do
- ▶ what the possible risks and benefits are.

It is important that you are satisfied that you have enough information to make a decision and to give your **informed consent**. You should feel free to ask any questions that are



important to you in helping you to reach a decision. You should also feel satisfied that you have been given enough time to think about the trial and what it will mean to you.

The person inviting you to take part in the trial should first discuss the study with you and answer your immediate questions. They should also give you an information leaflet about the trial that you can take away and read in your own time. You may want to discuss it with your family or friends and consider any practical issues, such as extra appointments and tests.

If you decide that you do want to take part you will be asked to sign a form that says that you agree to join the trial and that you have decided to do so of your own free will. You will be given a copy of the signed consent form to keep. If English is not your first language, the trial should be explained to you in your preferred language. You should also be given a consent form that has been written in your preferred language.

The process of informed consent should continue throughout the trial. The researchers should continue to give you information and answer your questions. They should let you know if any new relevant information comes up during the trial so that you can re-think your decision, and withdraw if you want to.

If you decide not to take part in the trial your decision will be respected and you do not have to give a reason. You will continue to receive the appropriate medical treatment that any other person would receive. Remember that even after you have given your consent you can leave the trial at any time without giving a reason.

## What happens during a trial?

As well as carrying out tests to find out how well a treatment is working, researchers will also look out for any side effects and you may be asked questions about any new symptoms you have.

Researchers will also look at the wider effects of a treatment on your life as a whole, not just its effects on symptoms. There are also detailed tests and questionnaires that are used to measure people's 'quality of life' so you may be asked:

- ▶ if you are able to take part in your usual day-to-day activities
- ▶ if you need any extra help around the home or to look after your family
- ▶ if you feel happy or sad, anxious or depressed.

Some clinical trials will also look at the cost-effectiveness of treatments and their effects on other aspects of care, so you may also be asked about how the treatment affects other areas of your life such as:

- ▶ whether you are able to work during the treatment
- ▶ the number of times you visit your doctor and nurse
- ▶ travel.

## What happens at the end of a trial?

Some trials can run for many years so it may be some time before the results of a trial are known. At the end of a trial the results will be made available to everyone who took part if they want them. They will also be published so that others can use the information to help them make decisions about treatment and health care. The researchers have a duty to publish the results, regardless of what they show, and also show how the results add to available knowledge.

If you are having a new treatment as part of a trial you may not always be able to continue on this treatment when the trial ends. It may be some time before a new treatment is provided by the NHS. In this case you will be given the standard treatment. In some circumstances you may be able to buy the new treatment.

## Will my information be confidential?

If you agree to take part in a clinical trial, all your trial records and any information that is collected about you will be kept confidential, in the same way as your medical records. The researchers cannot tell anyone that you are in the trial without asking you first. If your doctor or consultant is not the person who recruited you onto the trial, it can be helpful for them to be told you are in a trial as they will be responsible for your day-to-day health care; but they can only be told with your permission.

Once the trial has finished the results are usually published and often presented at conferences. No name or any information that can identify you will be used in any reports about the trial.

## What happens if something goes wrong?

Before any trial can start, arrangements have to be put in place in case something goes wrong and people are harmed. Research ethics committees can refuse approval for trials where there is no insurance or other provision for compensation.

Pharmaceutical companies are insured so that if a patient is damaged by their drug, compensation can be paid. However, it is rare for patients to be seriously harmed by trial treatments, although some may cause unpleasant side effects.

Trials funded by other organisations may not have this kind of insurance, but a payment may be made if something does go wrong. Individual NHS trusts are responsible for insuring themselves against damage caused by their own studies.

Before giving your consent to take part in a clinical trial you may want to find out exactly what arrangements have been made for compensation.

## How can I find out about trials that are happening now?

It can be difficult to find a suitable trial to take part in. There are a number of registers of different trials or organisations that can help you, and some of these are listed at the end of this booklet. If you would like to take part in a clinical trial but have not been asked, you should discuss it with your doctor or nurse as they will normally need to refer you. They may also know of a trial that would be suitable for you.

It is important to remember that there may not be a trial which is suitable for you.

## What should I ask before I join a trial?

These are some of the questions you may like to ask before deciding whether to take part in a clinical trial.

### Some general questions:

- ▶ What is the aim of the trial and how will it help people?

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- ▶ Who is funding the trial?

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- ▶ What treatment will I get if I don't take part in the trial?

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- ▶ How long is the trial expected to last and how long will I have to take part?

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- ▶ How long will it be before the results of the trial are known?

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- ▶ What will happen if I stop the trial treatment or leave the trial before it ends?

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**Some practical questions:**

▶ How much of my time will be needed?

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▶ What extra tests or appointments will I have?

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▶ Will I need to take time off work?

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▶ Will I need extra help from family and friends?

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▶ Will you cover the costs of my travel to take part in the trial?

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▶ If the trial is testing a drug, will I have to collect it from the hospital, will it be sent to me by post or will I get it through my doctor?

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▶ Will I have to fill in questionnaires or keep a diary?

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▶ What are the possible side effects of my treatment?

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▶ How may the treatment affect me physically and emotionally?

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- ▶ Who can I contact if I have a problem? Will someone be available 24 hours a day?

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- ▶ How do I find out the results at the end of the trial?

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# Where can I find more information?

## Links

Information from the NHS about clinical trials:

<http://www.library.nhs.uk/trials>

MRC Clinical Trials Unit:

<http://www.ctu.mrc.ac.uk/TrialInfo.asp>

Searchable database of ongoing and completed clinical trials in the UK:

<http://www.controlled-trials.com/mrct>

UK Clinical Trials Gateway:

<http://www.controlled-trials.com/ukctr>

Directory of pharmaceutical industry-funded clinical trials:

<http://www.ifpma.org/clinicaltrials>

The U.S. National Institutes of Health ClinicalTrials.gov:

<http://www.clinicaltrials.gov>

Opportunities for public involvement in clinical research:

<http://www.peopleinresearch.org>

## Organisations

### **UK Clinical Research Collaboration:**

<http://www.ukcrc.org>

The UKCRC is a partnership of organisations working to transform the environment for clinical research in the UK.

Raising public awareness and understanding of clinical research and increasing patient and public involvement in clinical research is an important aim of the UKCRC Partners.

**UK Clinical Research Network:**

<http://www.ukcrn.org.uk>

The UK Clinical Research Network (UKCRN) supports clinical research and helps to deliver clinical trials and other well-designed studies across the UK. Topic specific, comprehensive and primary care research networks are being funded by the UK Health Departments to support high quality research in all areas of disease and clinical need. As part of the UK Clinical Research Collaboration, the UKCRN is working towards the development of a world class infrastructure to support clinical research in the UK.

**Medical Research Council:**

<http://www.mrc.ac.uk>

For over 50 years the Medical Research Council (MRC) has been conducting clinical trials to address important public health questions and improve clinical care. MRC trials evaluate options across the entire spectrum of healthcare including; diagnostic screening, assessment of new versus existing treatments, the impact of lifestyle advice to change behaviour and prevent disease, the management of long-term conditions and rehabilitation. Many of these studies also help us understand how the body's processes work to influence health.

**National Institute for Health Research:**

<http://www.nihr.ac.uk>

The National Institute for Health Research manages and maintains health research in the NHS in England. Its work focuses on meeting the needs of the research community, patients and the public as it delivers the Government's health research strategy, 'Best Research for Best Health', (2006).

## **INVOLVE:**

<http://www.invo.org.uk>

INVOLVE is funded by the National Institute for Health Research to promote and support active public involvement in NHS, public health and social care research. INVOLVE believe that involving members of the public leads to research that is more relevant to people's needs and concerns, more reliable and more likely to be used.

## **Association of Medical Research Charities:**

<http://www.amrc.org.uk>

The Association of Medical Research Charities (AMRC) is a membership organisation of the leading medical and health research charities in the UK. AMRC aims to support the sector's effectiveness and advance medical research by developing best practice, providing information and guidance, improving public dialogue about research and science, and influencing government.

## **The James Lind Library:**

<http://www.jameslindlibrary.org>

The James Lind Library is a web-based resource created to help people understand fair tests of treatments (clinical trials) in health care. It contains short essays explaining the principles of fair tests, and illustrates these with key passages and images from books and journal articles, commentaries, biographies, portraits, and other material showing how fair tests have developed over the centuries.

## **Further reading**

*Testing Treatments: Better research for better healthcare.*

Imogen Evans, Hazel Thornton, Iain Chalmers. British Library Publishing Division (2006)

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# HOW PARKINSON'S UK CAN HELP YOU DELIVER RESEARCH

**PARKINSON'S<sup>UK</sup>**  
**CHANGE ATTITUDES.**  
**FIND A CURE.**  
**JOIN US.**

We're striving for new and better treatments in years, rather than decades. As everything we do is driven by people with Parkinson's, it is the people with the condition and their families who are setting the research agenda. They are making decisions about the projects we fund and working in partnership with researchers at every stage.

## Research Support Network (RSN)

The Parkinson's UK RSN is an online network for people driven to help find a cure and better treatments for Parkinson's. Through our network, anyone can get involved in research. It's free to join.

Our RSN spans the whole of the UK and currently has more than 1,900 members.

For more information please contact:  
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[RSN@parkinsons.org.uk](mailto:RSN@parkinsons.org.uk)  
or online at [parkinsons.org.uk/RSN](http://parkinsons.org.uk/RSN)

## Involvement

Involving people affected by Parkinson's at all stages of research produces higher quality, more relevant research. We can give you the support you need to have meaningful and timely Patient and Public Involvement (PPI) by:

- emailing our RSN members
- providing advice on how and where you can involve people in your research
- putting you in touch with our 'PPI volunteers'

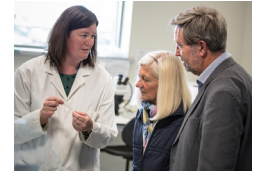
For more information please contact:  
**Isabelle Abbey-Vital**  
Research Involvement Officer  
[iabbey-vital@parkinsons.org.uk](mailto:iabbey-vital@parkinsons.org.uk)  
or online at [parkinsons.org.uk/researchinvolvement](http://parkinsons.org.uk/researchinvolvement)

## Participation

Recruiting participants to research can be a major hurdle. We can share details of your study with our passionate research supporters by:

- emailing our RSN members
- featuring your project on our website, forum or social media
- putting you in contact with our local groups across the UK

For more information please contact:  
**Amelia Hursey**  
Senior Research Participation Officer  
[ahursey@parkinsons.org.uk](mailto:ahursey@parkinsons.org.uk)  
or online at [parkinsons.org.uk/participation](http://parkinsons.org.uk/participation)



Parkinson's UK is the operating name of the Parkinson's Disease Society of the United Kingdom. A charity registered in England and Wales (258197) and in Scotland (SC037554). ©Parkinson's UK 01/16 (CS2098)

Leading the fight  
against dementia

# Alzheimer's Society

## Dedicated to defeating dementia through research

Alzheimer's Society is the UK's leading support and research charity for people with dementia, their families and carers.

There are lots of ways to get involved with dementia research and help make a difference for the future.

Find out more at:  
[www.alzheimers.org.uk/helpourresearch](http://www.alzheimers.org.uk/helpourresearch)

Alzheimer's Society operates in England Wales and Northern Ireland, registered charity no. 296645.

Thank you for joining us at

# AWAREforAll

London





## Ever thought about taking part in clinical research?

Synexus is a company dedicated to conducting clinical studies. You're nearest research centre is not that far away, our Thames Valley team is based in Worton Grange, Reading.

We are looking for volunteers who are affected by any of the following to take part in clinical trials designed to test the effectiveness of new treatments.

Heart attack or stroke

Diabetes

Raised Cholesterol

Osteoarthritis of the hip or knee

If you would like to find out more about this or any of our research contact us using any of the below options.

**Call** 0118 378 9923    **Reference** 131523

**Visit** [www.synexusclinic.co.uk](http://www.synexusclinic.co.uk)

**Email** [Patientoutreach@Synexus.com](mailto:Patientoutreach@Synexus.com)



[www.synexusclinic.co.uk](http://www.synexusclinic.co.uk)



# HAVE YOU HEARD?

The Association of Clinical Research Professionals helps clinical researchers perform at the highest level through member resources, training and development, and certification programs.

Our mission is to promote excellence in clinical research.

Join us today and stand with 13,000+ ACRP Members in pursuit of clinical research excellence.



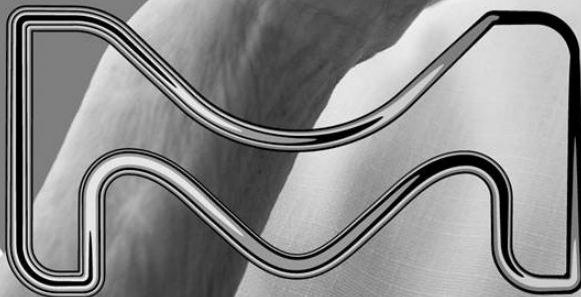
[www.acrpnet.org/  
learnmore](http://www.acrpnet.org/learnmore)



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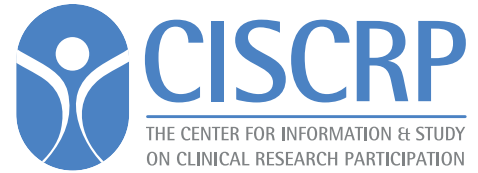
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# AWARE *for* ALL



## London

# Clinical Research Education Day

Monday, 7 March, 2016  
Camden Centre

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