# UNDERSTANDING CLINICAL TRIALS





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### EVER WONDERED WHAT A CLINICAL TRIAL IS?

Clinical trials are research studies that help doctors and scientists learn more about a disease and new ways to improve treatment.

They are essential to studying drugs with the goal of approving only the safest and most effective ones.

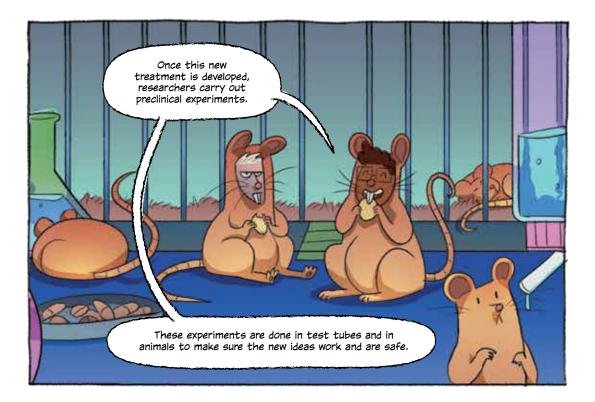
This book, *Understanding Clinical Trials*, explains why clinical trials are needed and what might be involved if you decide to join one.



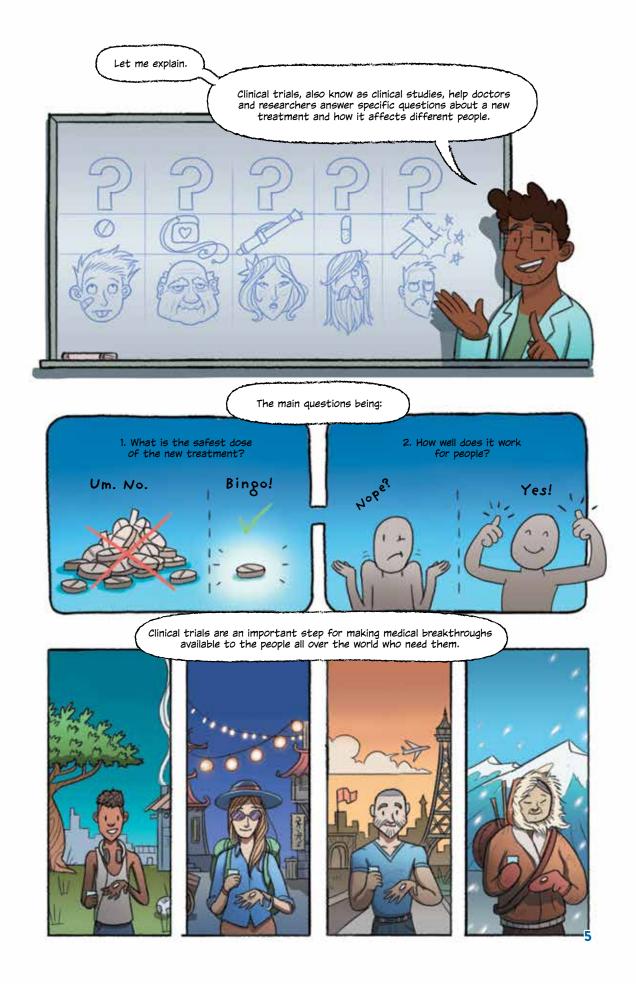












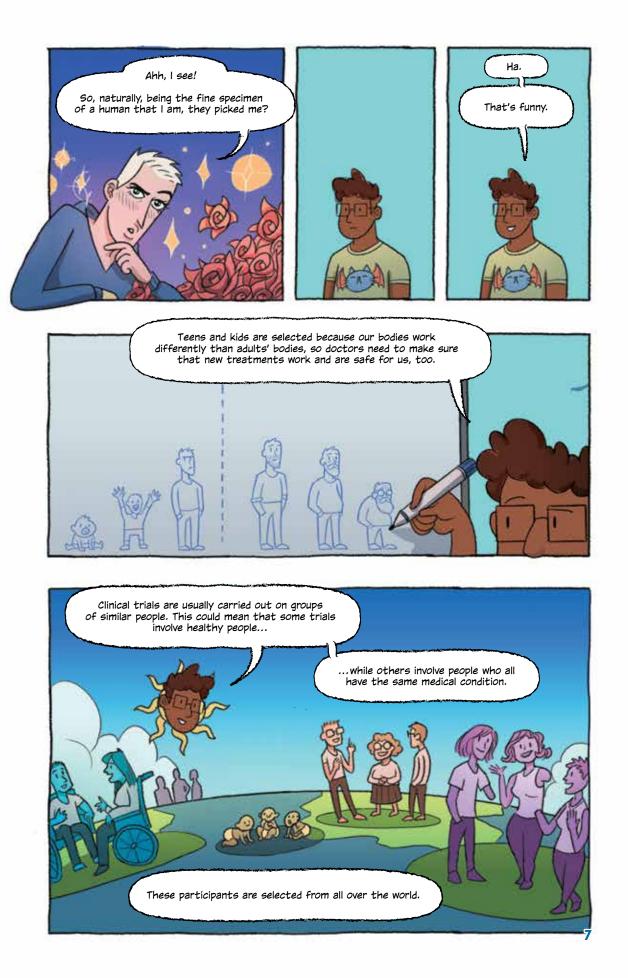


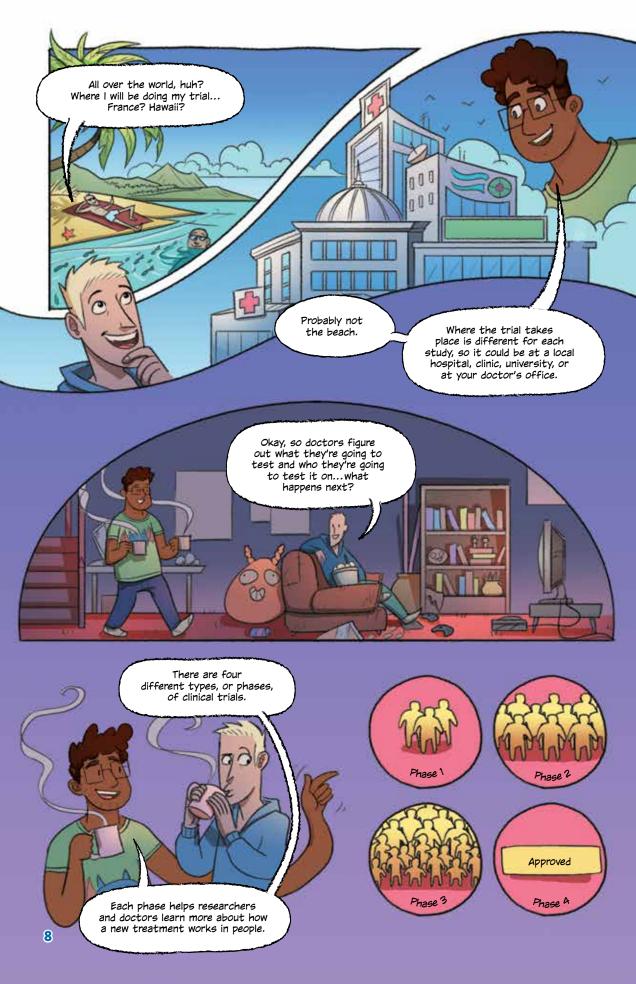
How long will the trial last?

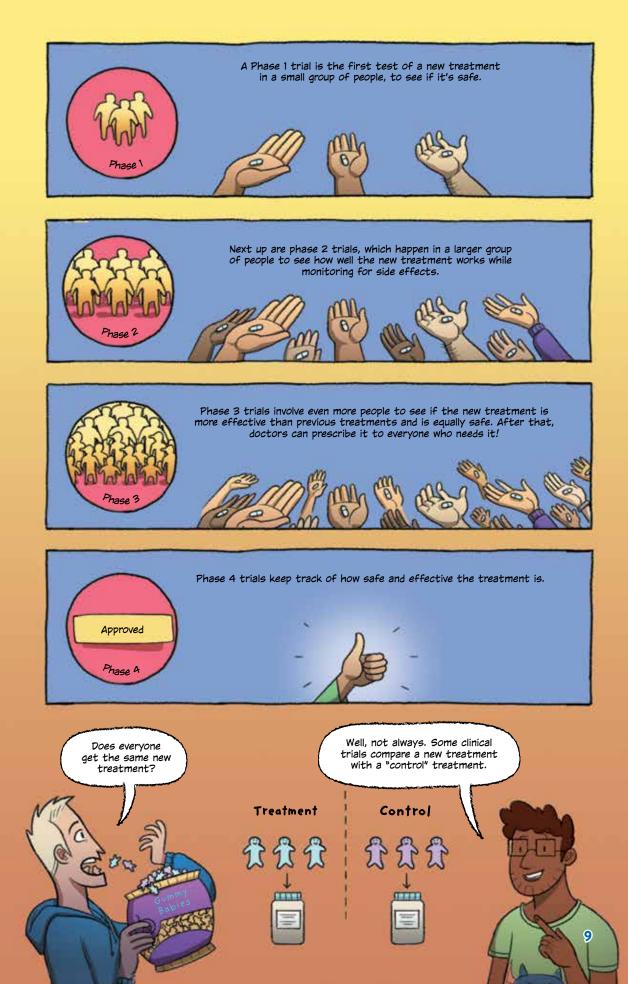
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How many people will join the trial?

Researchers and doctors spend countless hours designing a clinical trial before it starts, sorting through tons of important questions and details while making a plan for running the study!

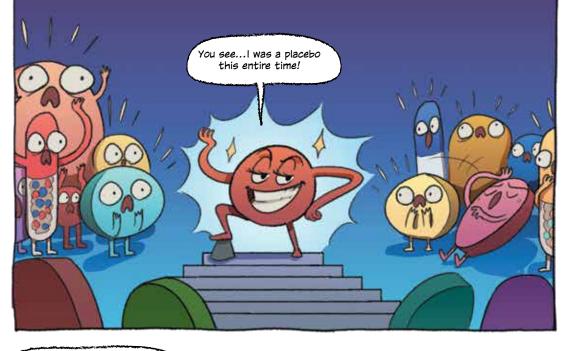


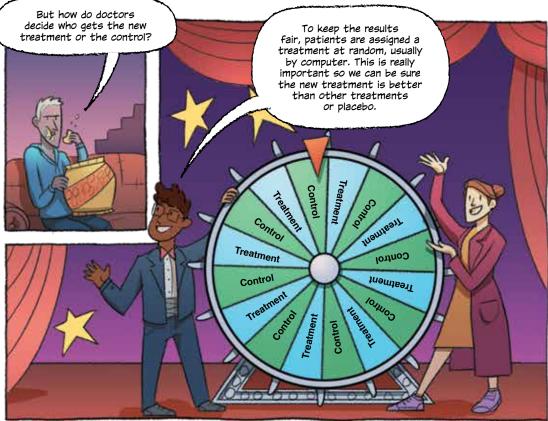


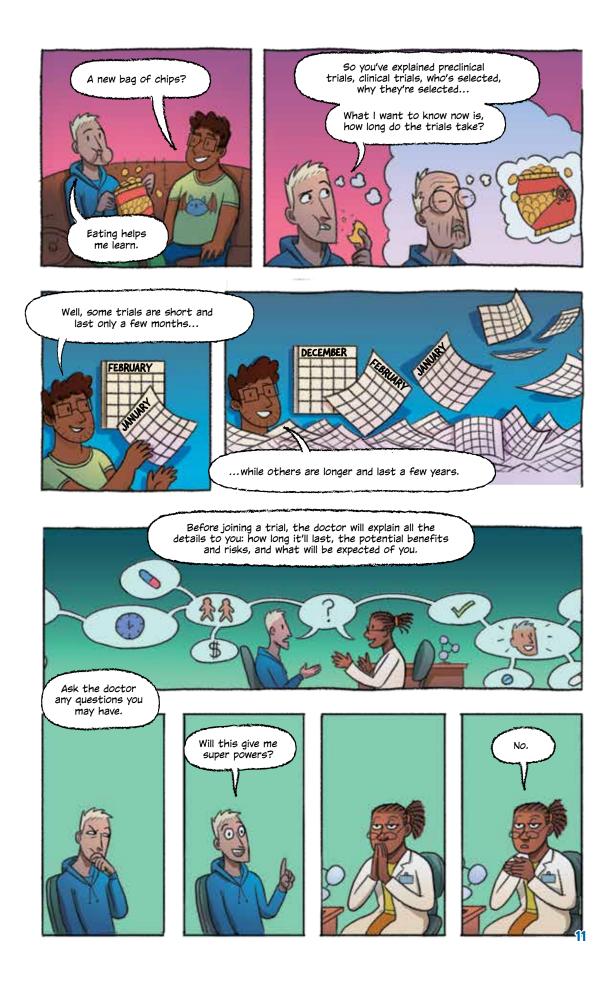


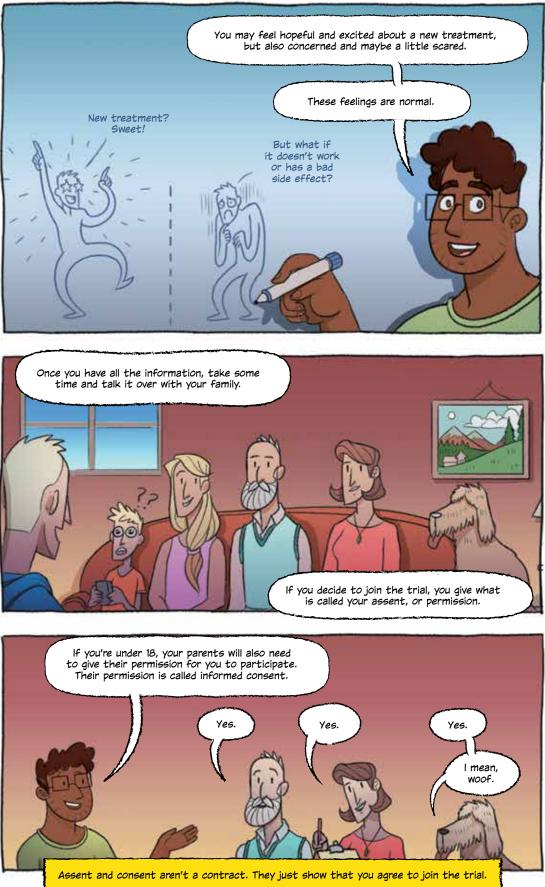
The control treatment may be a treatment that doctors already know is safe and effective, or it may be a placebo.

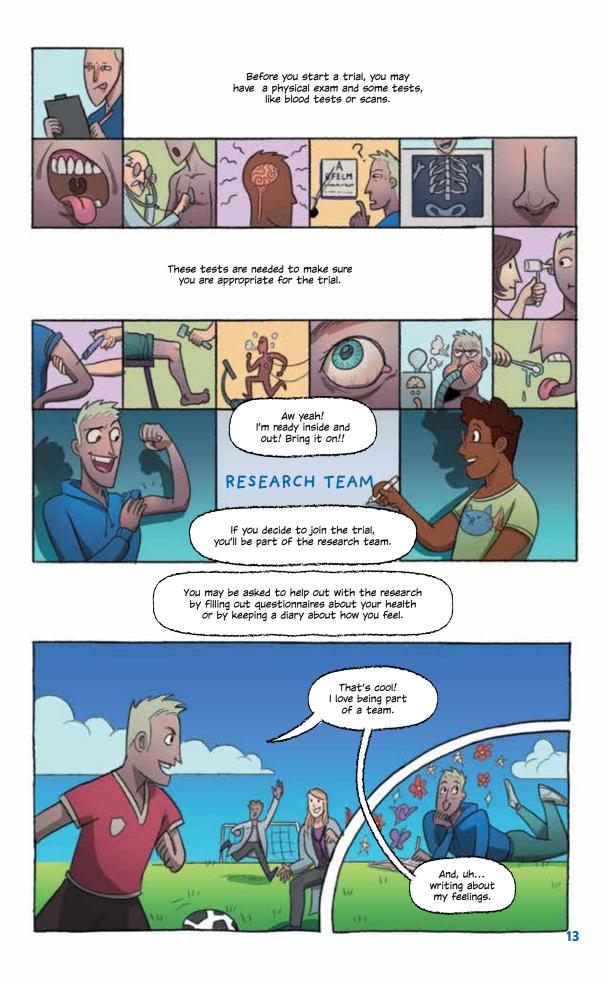
A placebo is a harmless substance that contains no medicine. This helps doctors to be sure that patients don't report feeling better just because they are getting a new treatment.

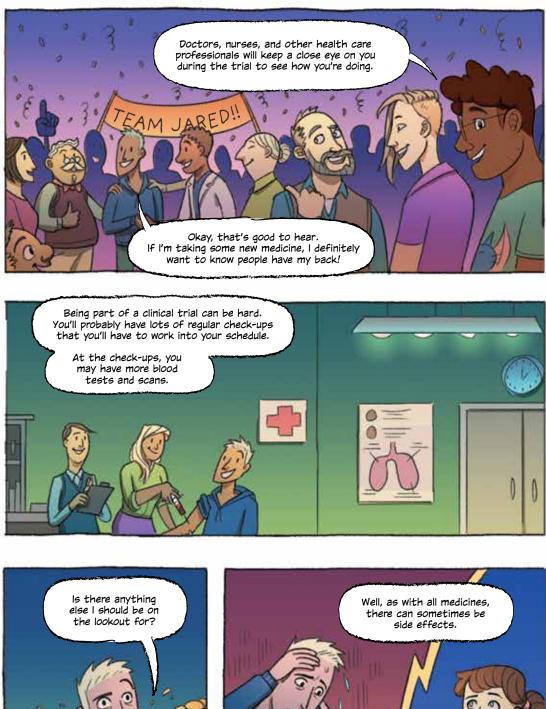


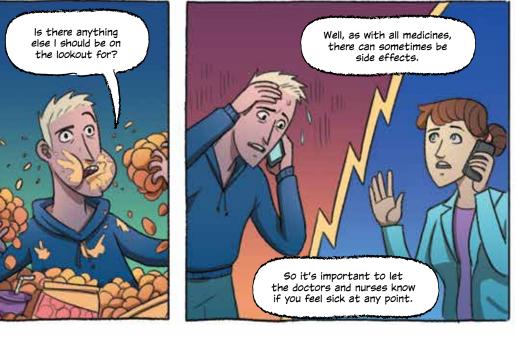




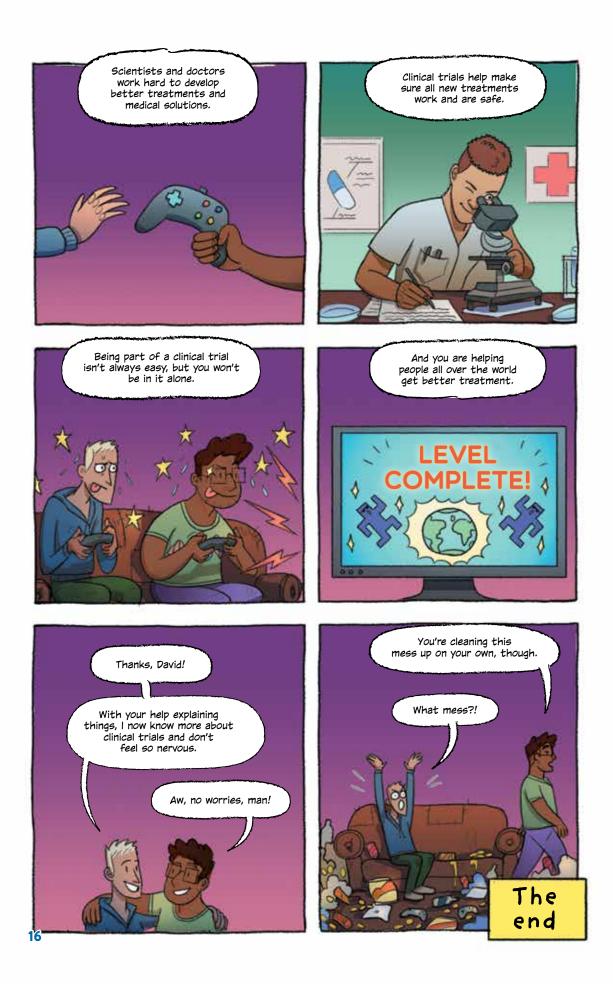












## GLOSSARY



#### WHAT ARE CLINICAL TRIALS?

Clinical trials are a type of research that studies tests and treatments in people. Before new tests and treatments become widely available, a clinical trial is needed to check how well they work and how safe they are.

#### PERMISSION

Your permission to join a clinical trial is called *assent*.

Your parents or guardian also need to give their permission. This is called *informed consent*.

Even after agreeing to join, you can change your mind and leave the trial at any time.





#### **CONTROL TREATMENT**

In a clinical trial, a new treatment might be tested against a control. A control is either a treatment that the doctors already know is effective or a placebo.

## GLOSSARY





PLACEBO NEW TREATMENT

#### PLACEBO

A placebo looks exactly like the treatment being tested in the clinical trial, but doesn't actually contain any medicine.

#### SIDE EFFECTS

These are unwanted and usually unpleasant reactions to the treatment that may happen during the trial.





#### **RISKS**

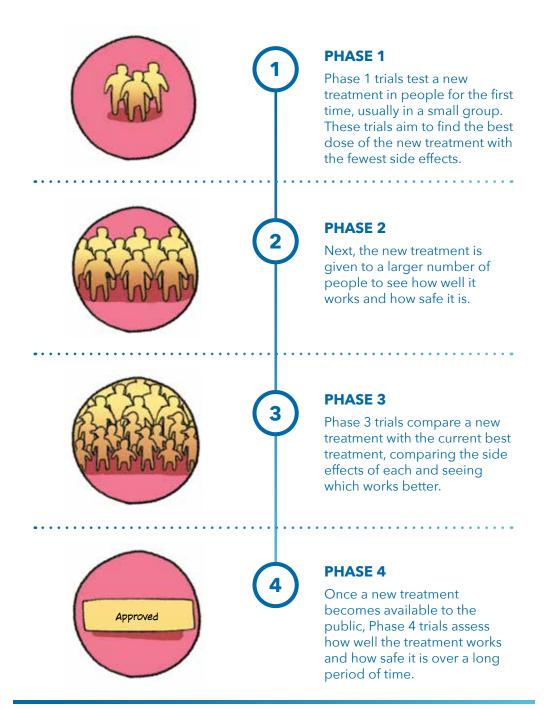
The risks of a clinical trial include:

- Serious side effects that a new treatment may cause
- The new treatment may not work or may not be any better than current treatment
- You may not receive the new treatment-you may be in the control or placebo group

## GLOSSARY

#### PHASES OF A CLINICAL TRIAL

Testing new treatments in clinical trials follows a series of steps called phases:





## UNDERSTANDING CLINICAL TRIALS

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