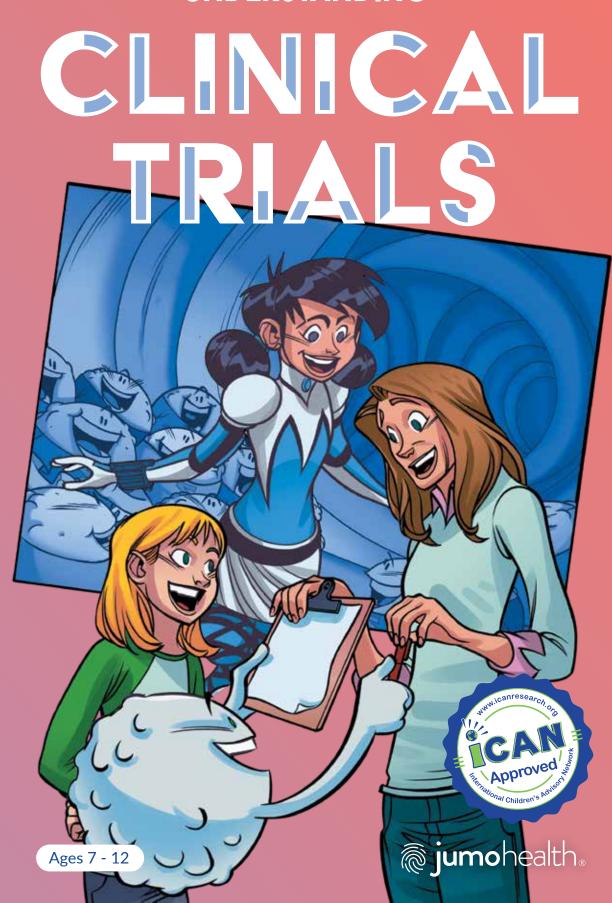
**UNDERSTANDING** 



#### ALSO FEATURING:

### SAM

The star of this book



#### INTRODUCING

### THE MEDIKIDZ

The Medikidz are superheroes who live on Mediland, a planet shaped like the human body. They are experts in health and illness, and their mission is to teach you all about your body and how illness affects it.



### ABACUS Guardian of the Medikidz



**AXON** Expert on: the brain and nerves



CHI Expert on: the lungs and respiratory system



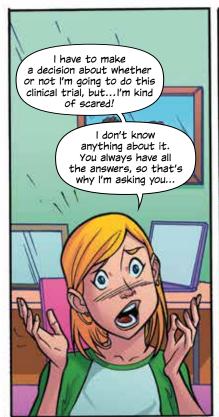
GASTRO Expert on: the digestive system



PUMP Expert on: the heart and blood vessels

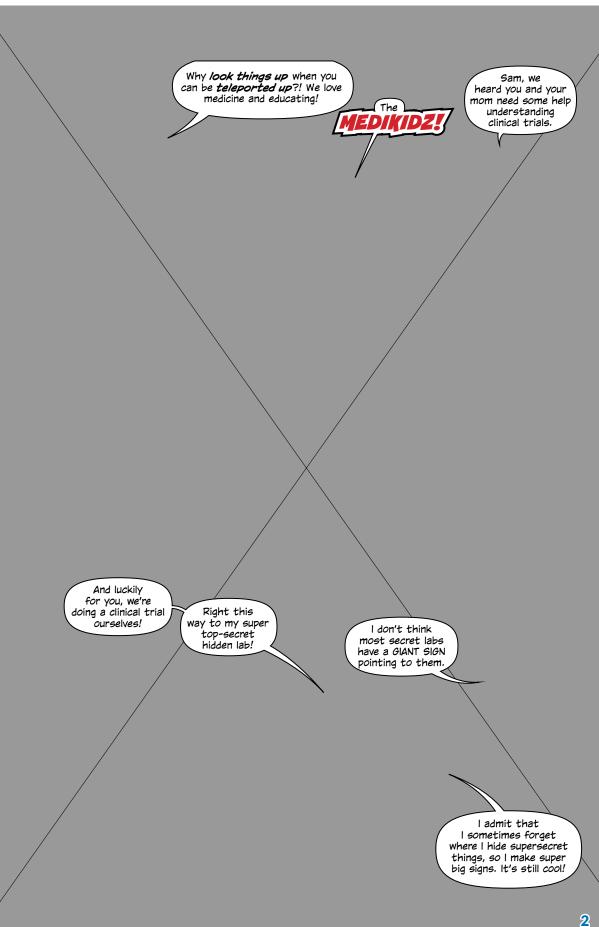


**SKINDY** Expert on: the skin and bones



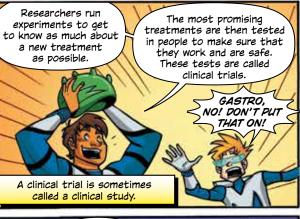


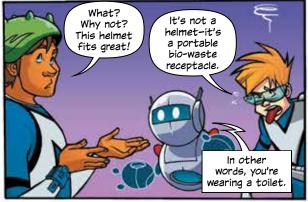


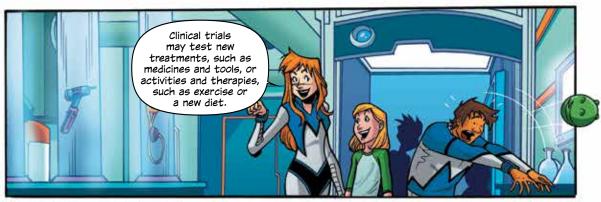


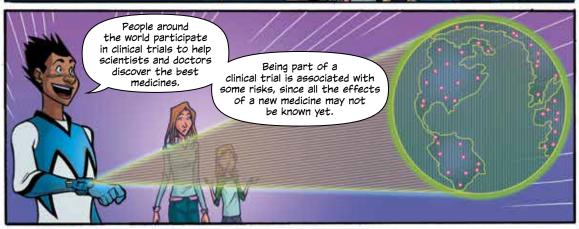
















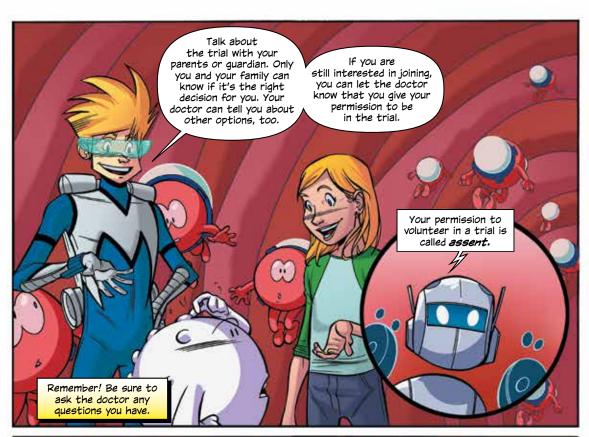








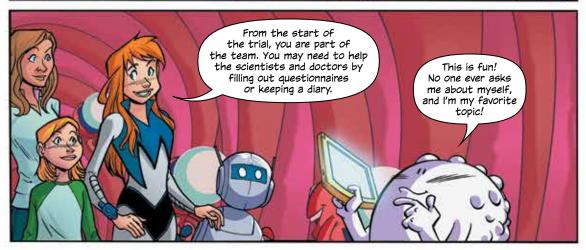






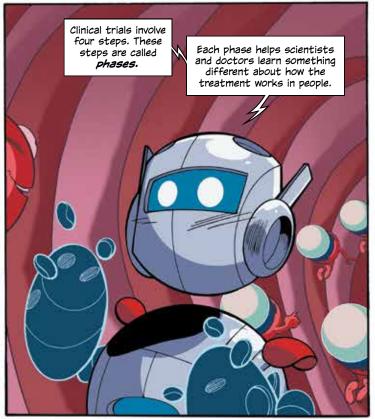






















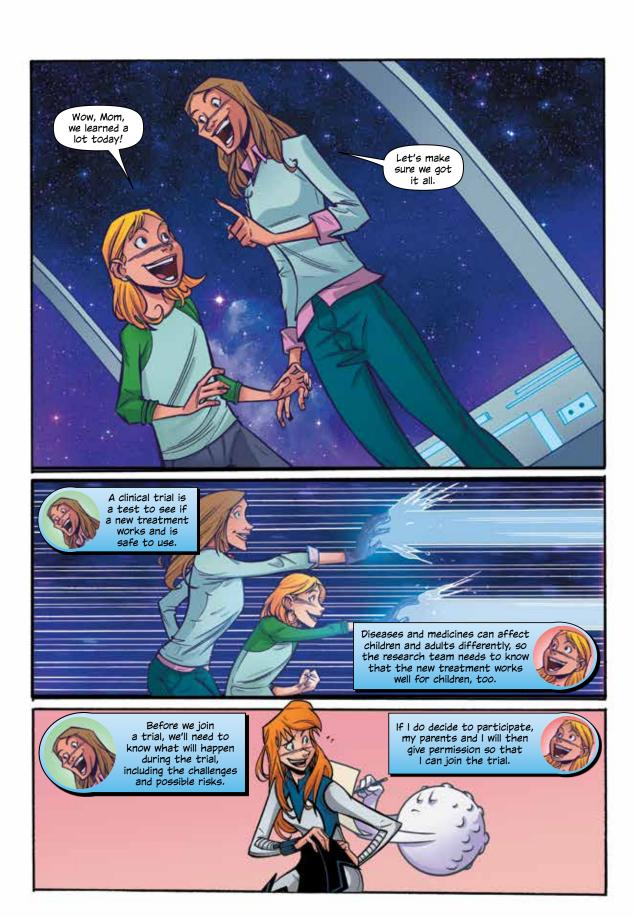








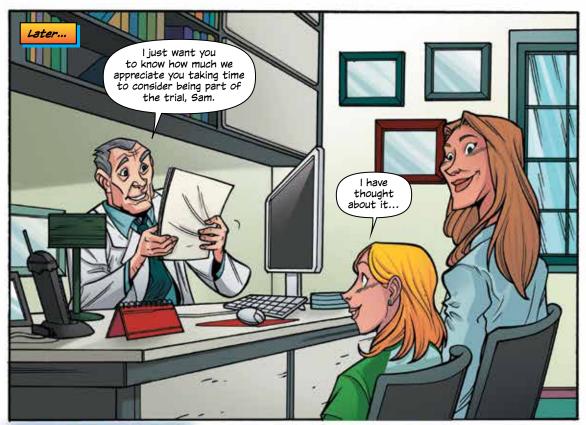














## GLOSSIN7



#### 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 is already proven to work or a placebo.

#### **PLACEBO**

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





PLACEBO NEW TREATMENT

#### **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

## CEOSSITY?



#### PHASES OF A CLINICAL TRIAL

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





Phase 1 trials test a new treatment in people for the first time. These trials aim to find the best dose of the new treatment with the fewest side effects.



PHASE 2

The new treatment is now given to a larger number of people to see how well it works and how safe it is.



PHASE 3

Phase 3 trials compare a new treatment with the current best treatment, comparing the side effects of each and seeing which one works best.



PHASE 4

Once a new treatment becomes available to the public, Phase 4 trials aim to assess how well the treatment works and how safe it is over a long period of time.

#### UNDERSTANDING

# CLINICAL TRIALS

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