

UNDERSTANDING
CLINICAL TRIALS
(OLDER KIDS)



Dear Reader

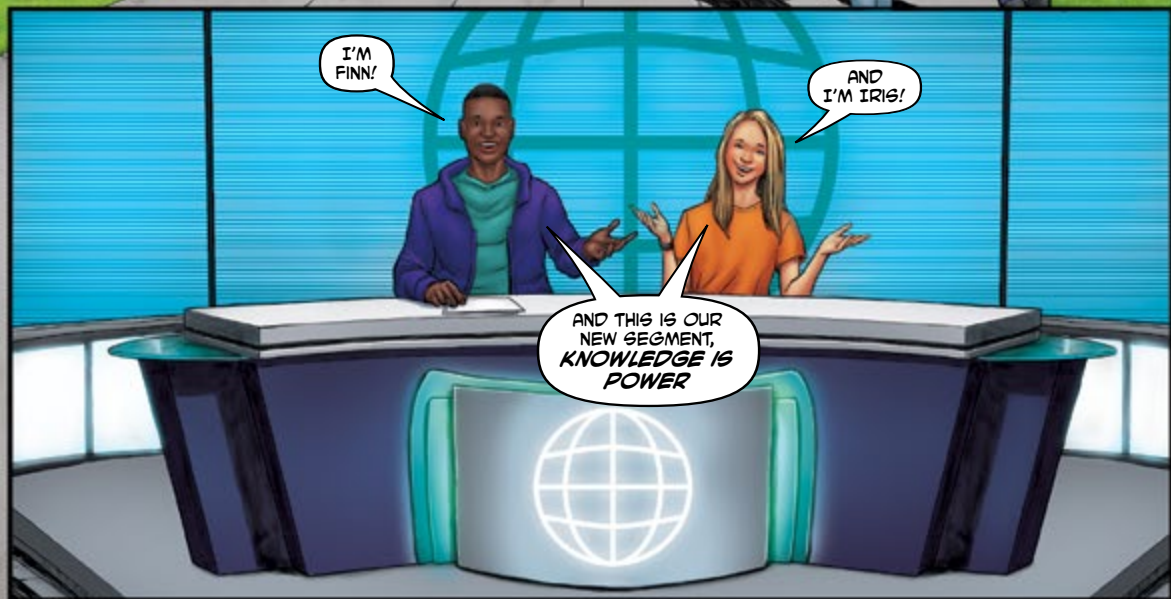
This book is intended to help you understand clinical trials and what you might experience if you decide to join one.

MEET THE **CHARACTERS**


JUAN, FINN and IRIS

The stars of this book





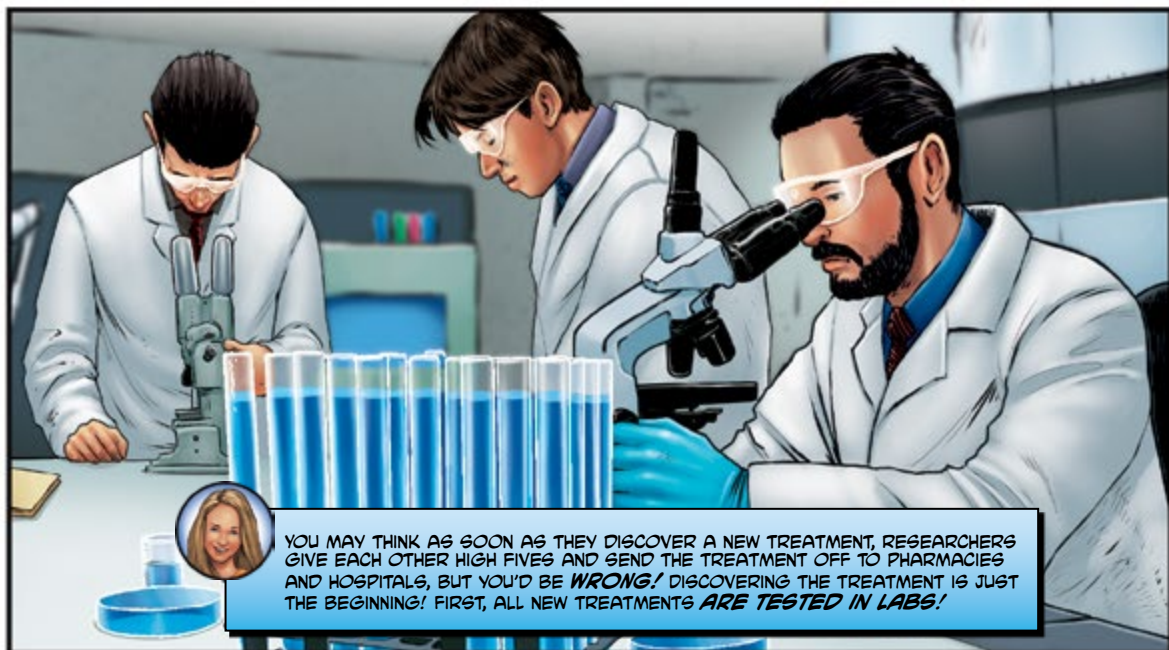


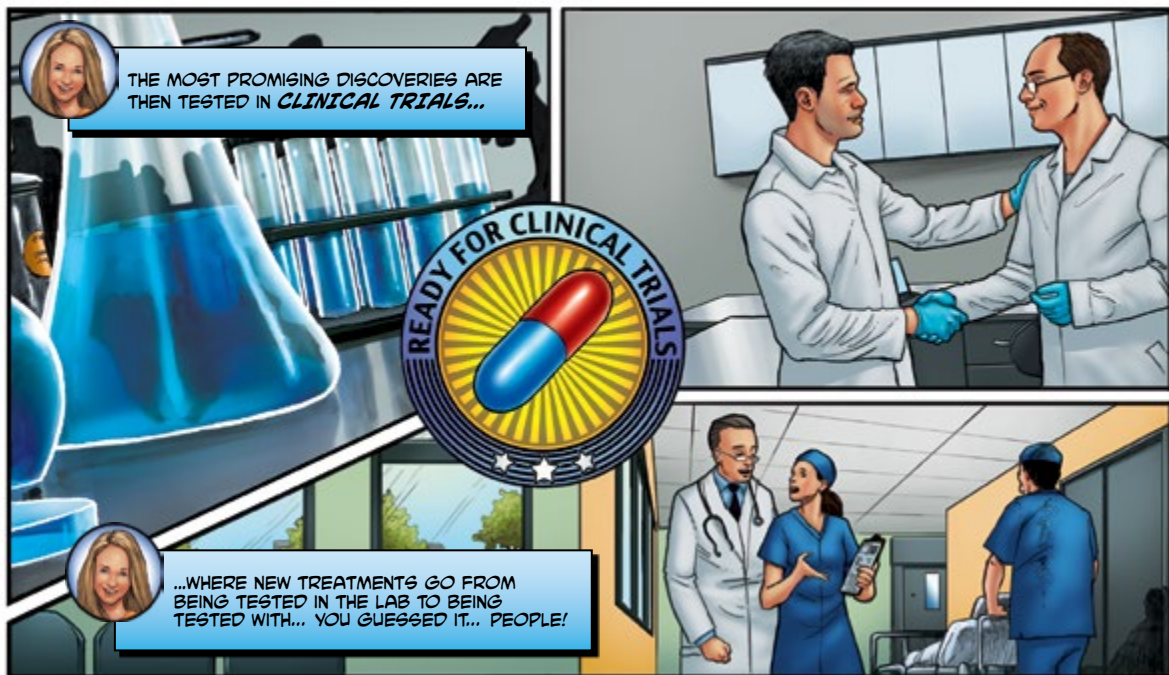


WE ALL KNOW DOCTORS
AND RESEARCHERS ARE WORKING
ALL THE TIME TO DISCOVER NEW WAYS
TO PREVENT, DETECT, AND TREAT
MEDICAL CONDITIONS.

BUT HAVE YOU EVER
STOPPED TO WONDER
WHAT HAPPENS *AFTER*
THEY DISCOVER THESE
NEW TREATMENTS?

NEW MEDICINE DISCOVERED WHAT NEXT?





**IS THE NEW
TREATMENT SAFE?**

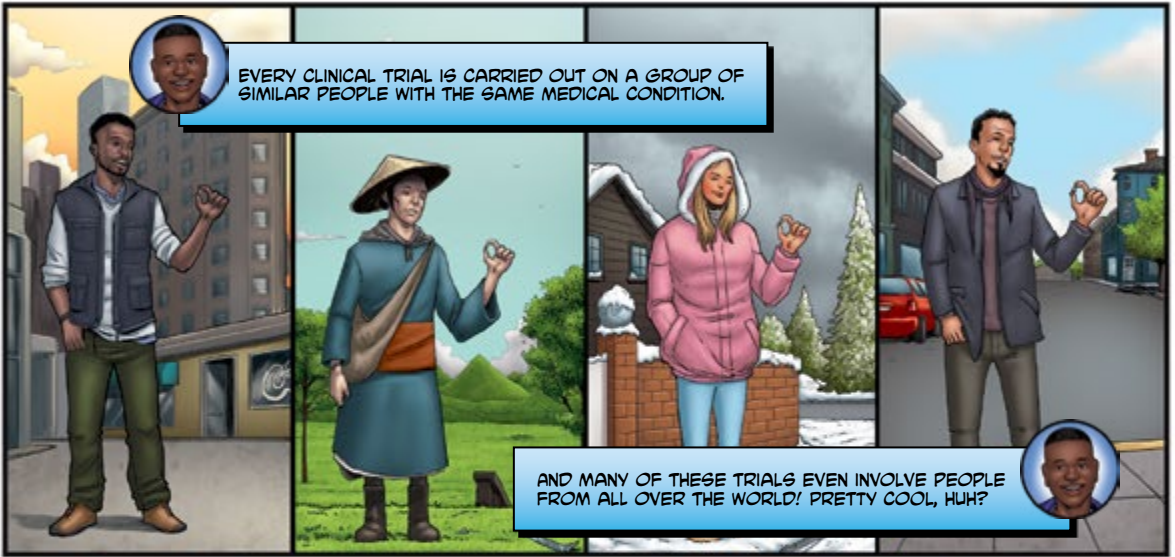
**HOW WELL DOES
IT WORK?**

CLINICAL TRIALS HELP
DOCTORS AND RESEARCHERS
ANSWER SPECIFIC QUESTIONS
ABOUT NEW TREATMENTS.

THE BIG TWO BEING:
**IS THE NEW TREATMENT
SAFE WHEN USED IN
PEOPLE, AND HOW
WELL DOES IT WORK?**

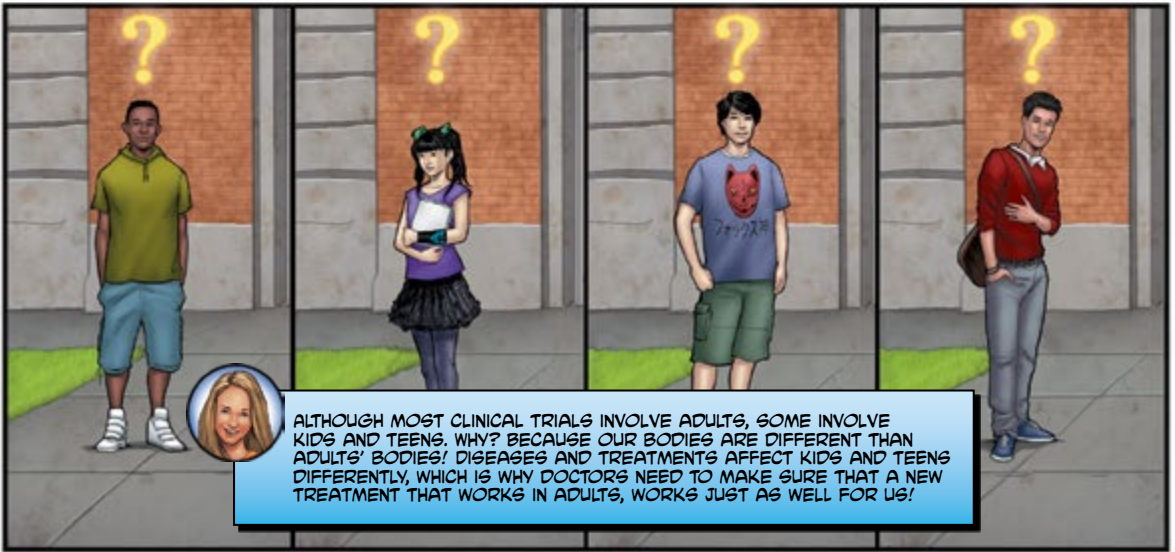
CLINICAL TRIALS ARE AN
IMPORTANT STEP FOR GETTING
MEDICAL BREAKTHROUGHS TO THE
PEOPLE WHO NEED THEM ALL
OVER THE WORLD.



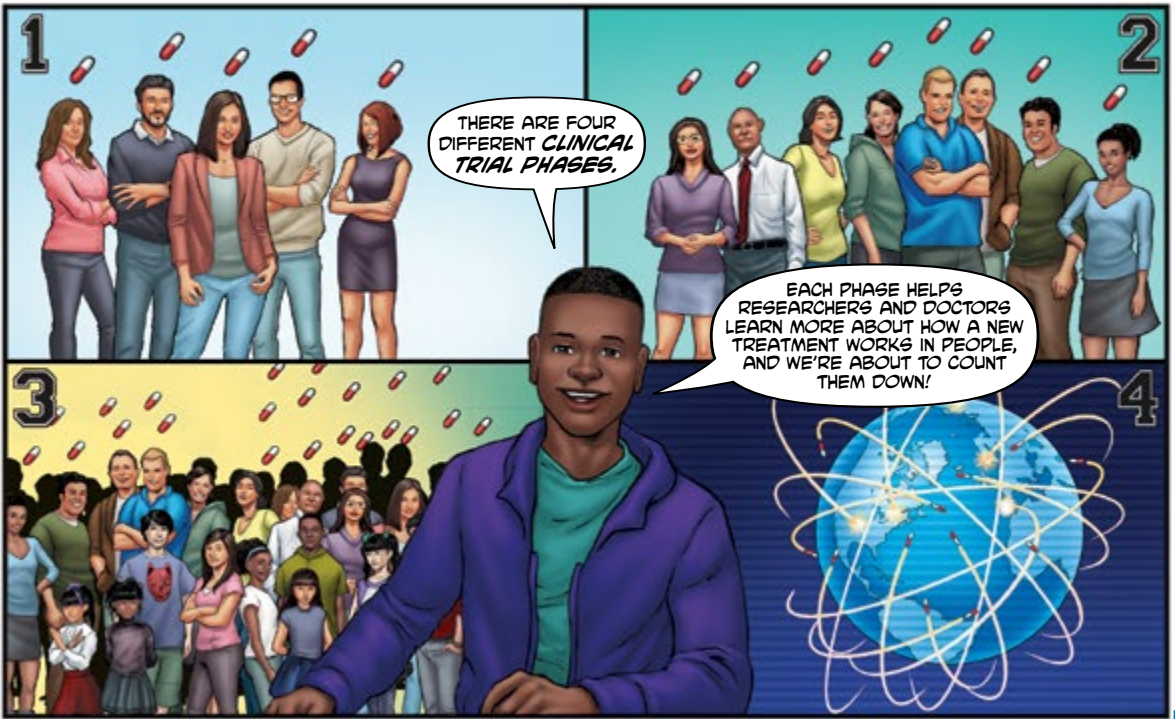


EVERY CLINICAL TRIAL IS CARRIED OUT ON A GROUP OF SIMILAR PEOPLE WITH THE SAME MEDICAL CONDITION.

AND MANY OF THESE TRIALS EVEN INVOLVE PEOPLE FROM ALL OVER THE WORLD! PRETTY COOL, HUH?

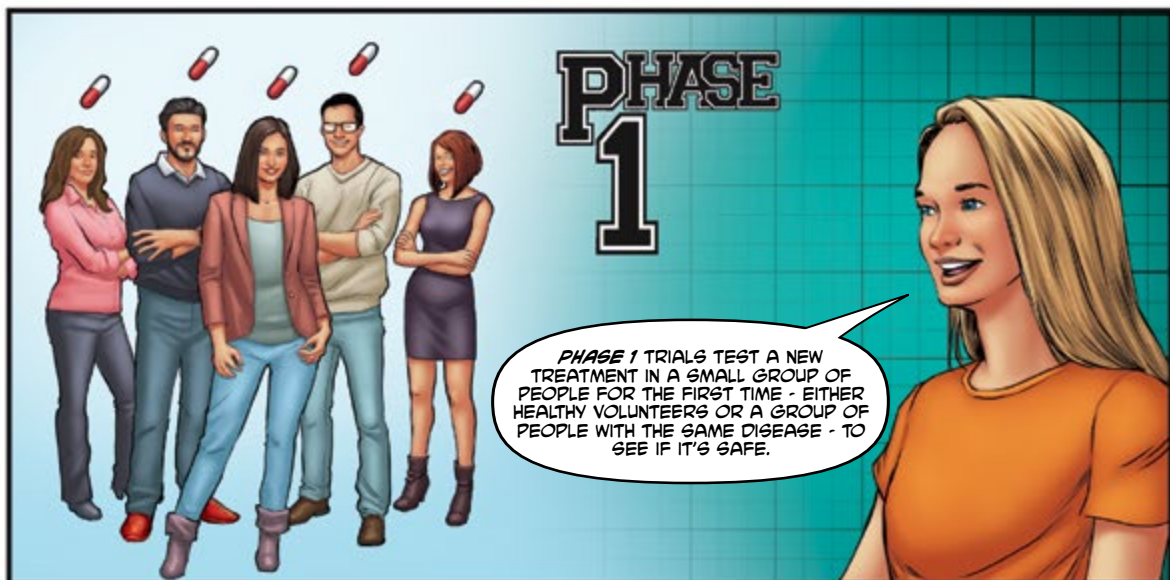


ALTHOUGH MOST CLINICAL TRIALS INVOLVE ADULTS, SOME INVOLVE KIDS AND TEENS. WHY? BECAUSE OUR BODIES ARE DIFFERENT THAN ADULTS' BODIES! DISEASES AND TREATMENTS AFFECT KIDS AND TEENS DIFFERENTLY, WHICH IS WHY DOCTORS NEED TO MAKE SURE THAT A NEW TREATMENT THAT WORKS IN ADULTS, WORKS JUST AS WELL FOR US!



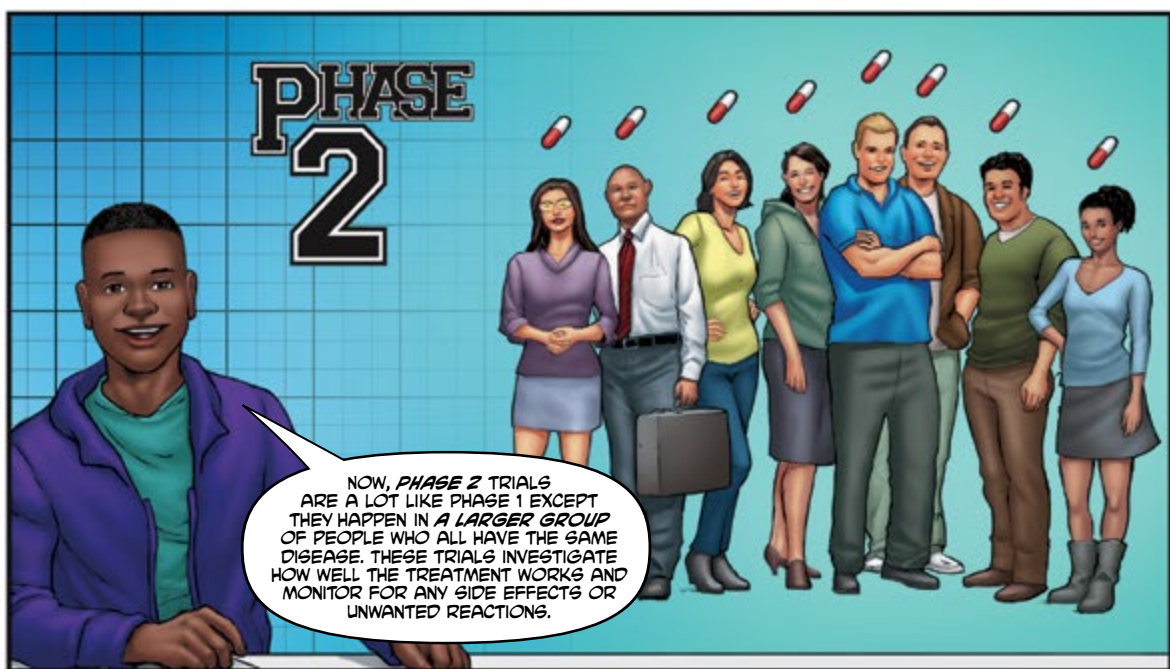
THERE ARE FOUR DIFFERENT *CLINICAL TRIAL PHASES*.

EACH PHASE HELPS RESEARCHERS AND DOCTORS LEARN MORE ABOUT HOW A NEW TREATMENT WORKS IN PEOPLE, AND WE'RE ABOUT TO COUNT THEM DOWN!



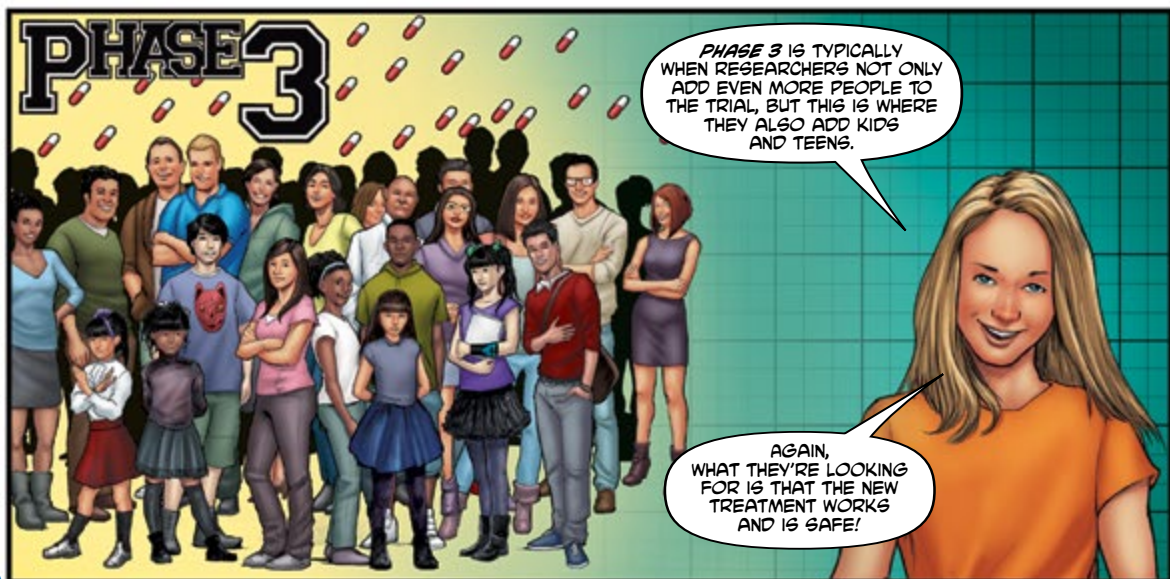
PHASE 1

PHASE 1 TRIALS TEST A NEW TREATMENT IN A SMALL GROUP OF PEOPLE FOR THE FIRST TIME - EITHER HEALTHY VOLUNTEERS OR A GROUP OF PEOPLE WITH THE SAME DISEASE - TO SEE IF IT'S SAFE.



PHASE 2

NOW, PHASE 2 TRIALS ARE A LOT LIKE PHASE 1 EXCEPT THEY HAPPEN IN A **LARGER GROUP** OF PEOPLE WHO ALL HAVE THE SAME DISEASE. THESE TRIALS INVESTIGATE HOW WELL THE TREATMENT WORKS AND MONITOR FOR ANY SIDE EFFECTS OR UNWANTED REACTIONS.



PHASE 3

PHASE 3 IS TYPICALLY WHEN RESEARCHERS NOT ONLY ADD EVEN MORE PEOPLE TO THE TRIAL, BUT THIS IS WHERE THEY ALSO ADD KIDS AND TEENS.

AGAIN, WHAT THEY'RE LOOKING FOR IS THAT THE NEW TREATMENT WORKS AND IS SAFE!



TAKING US HOME
IS **PHASE 4!**

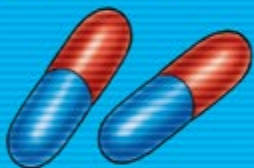
PHASE 4



PHASE 4 TRIALS KEEP TRACK OF HOW SAFE AND EFFECTIVE A NEW TREATMENT IS ONCE IT'S AVAILABLE FOR DOCTORS TO PRESCRIBE TO THE PEOPLE WHO NEED IT!

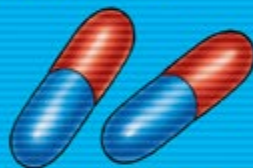


MEDICINE



PLACEBO

MEDICINE

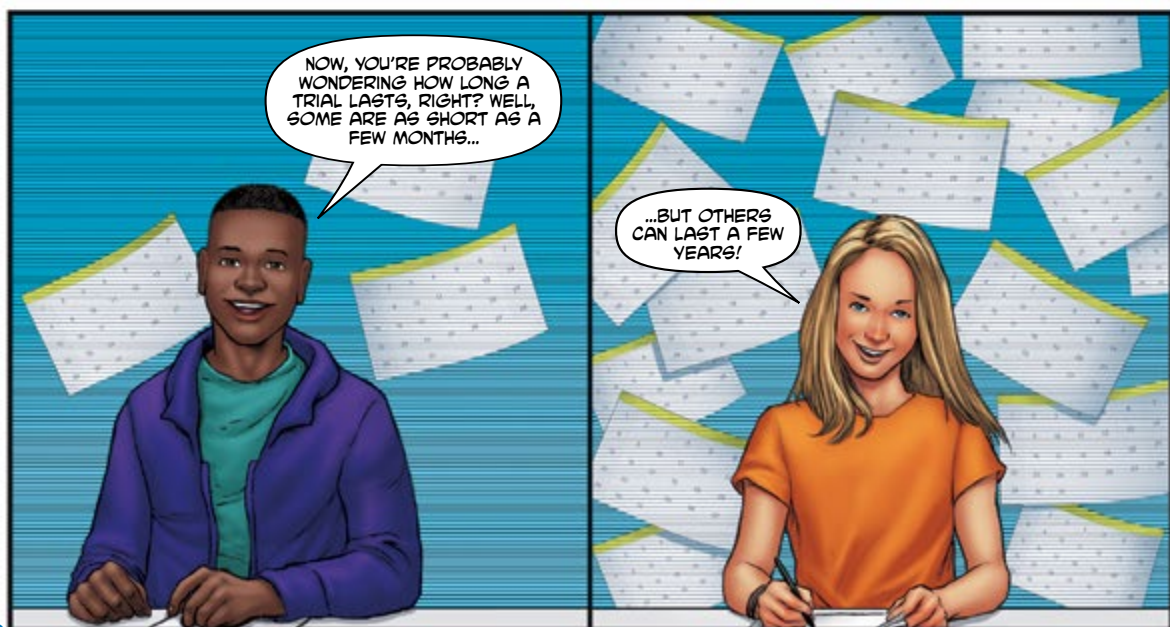


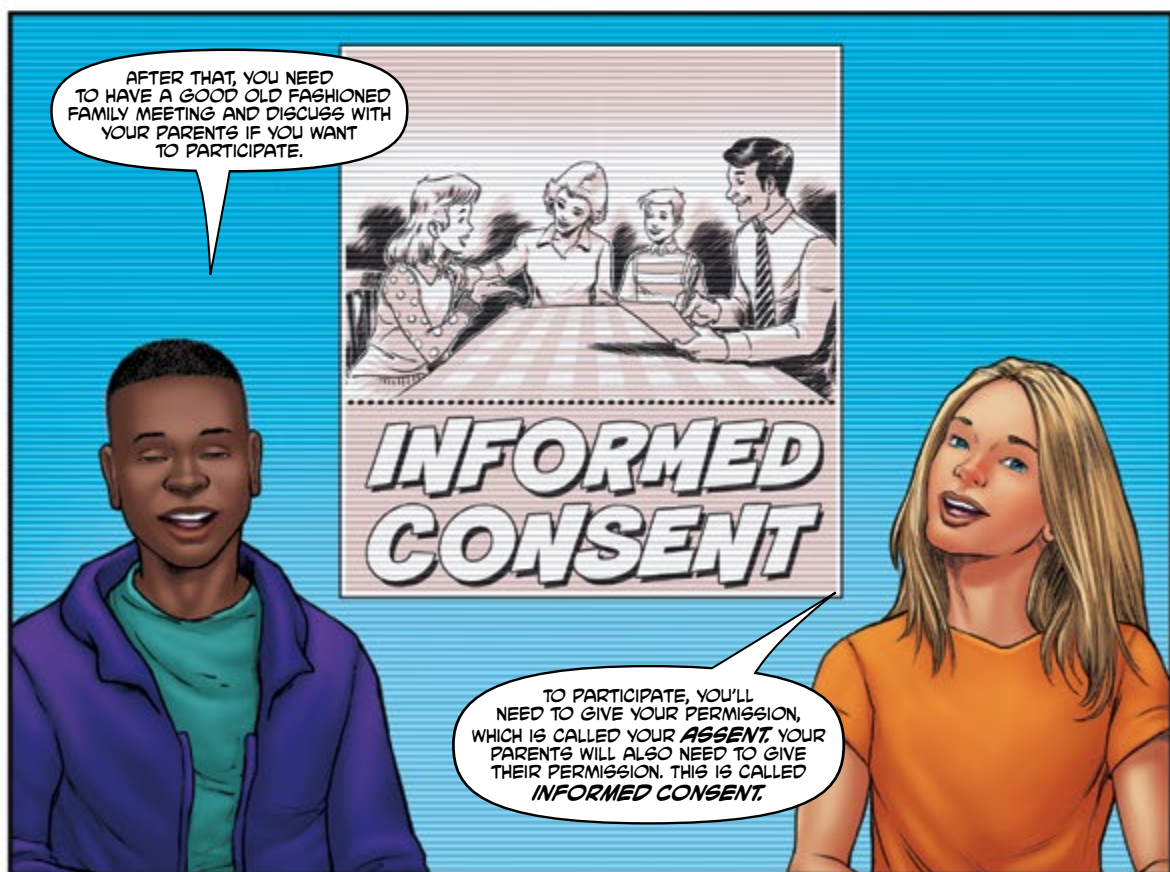
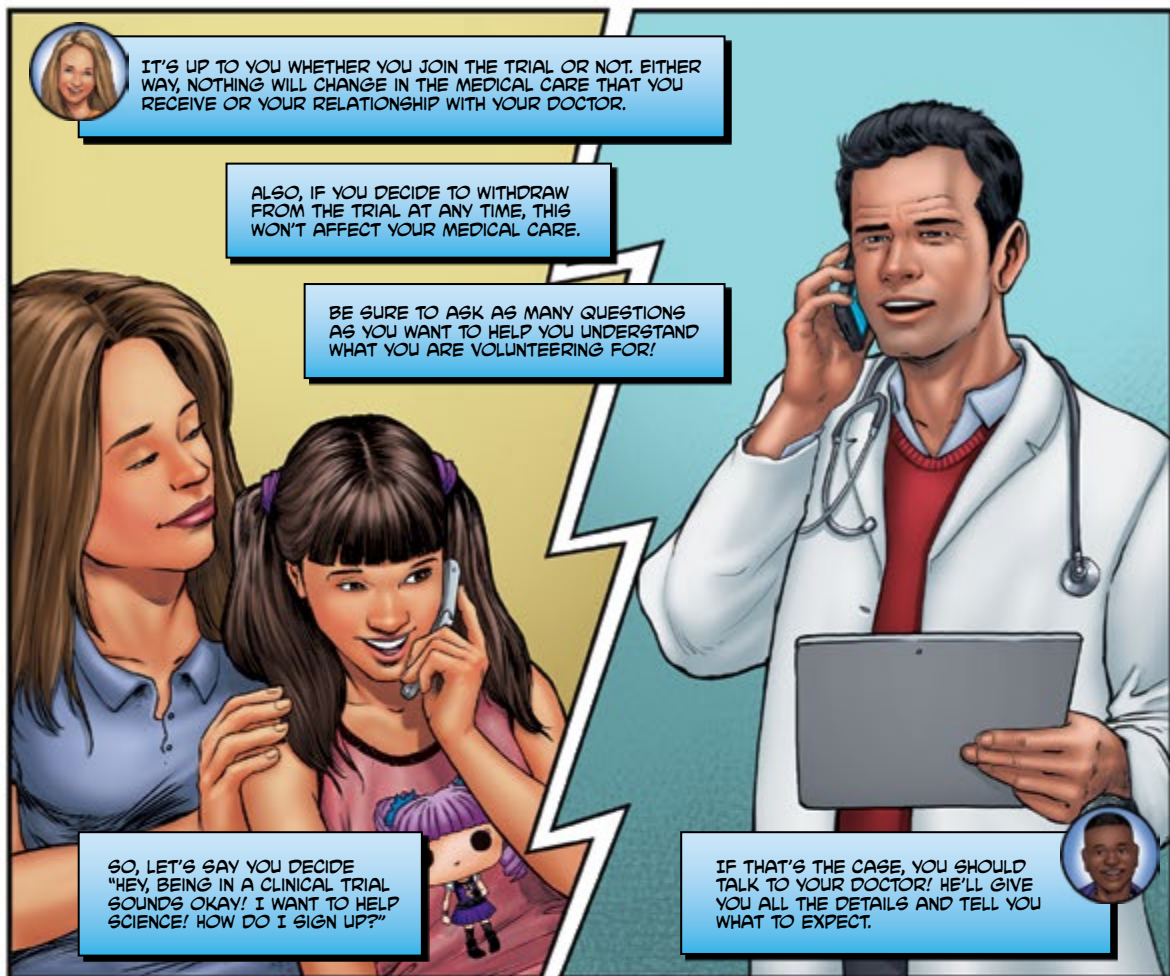
PLACEBO

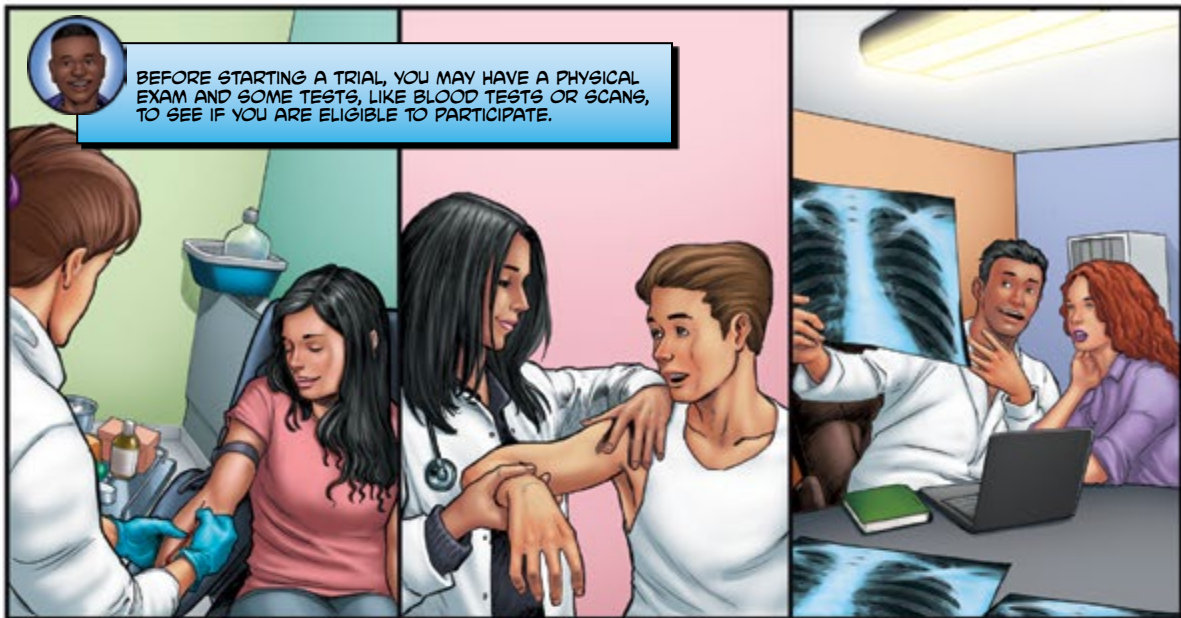
NOW, SOME CLINICAL TRIALS COMPARE A NEW TREATMENT WITH A **CONTROL**, WHICH MAY EITHER BE A TREATMENT THAT DOCTORS ALREADY USE OR A **PLACEBO**.

A PLACEBO IS AN INACTIVE SUBSTANCE THAT CONTAINS NO MEDICINE.

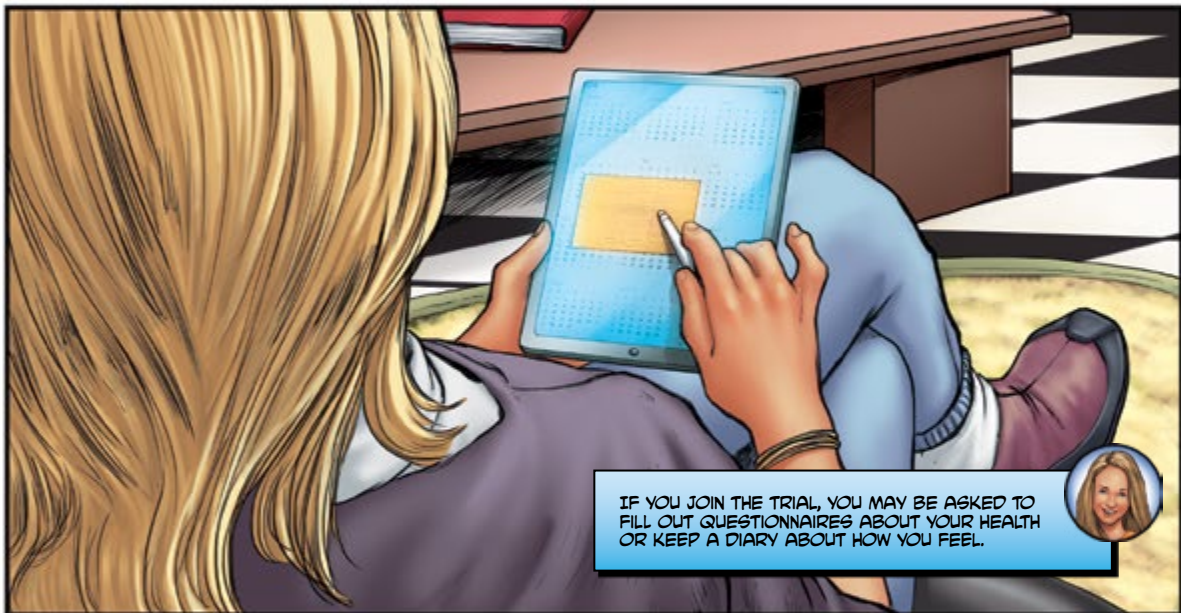




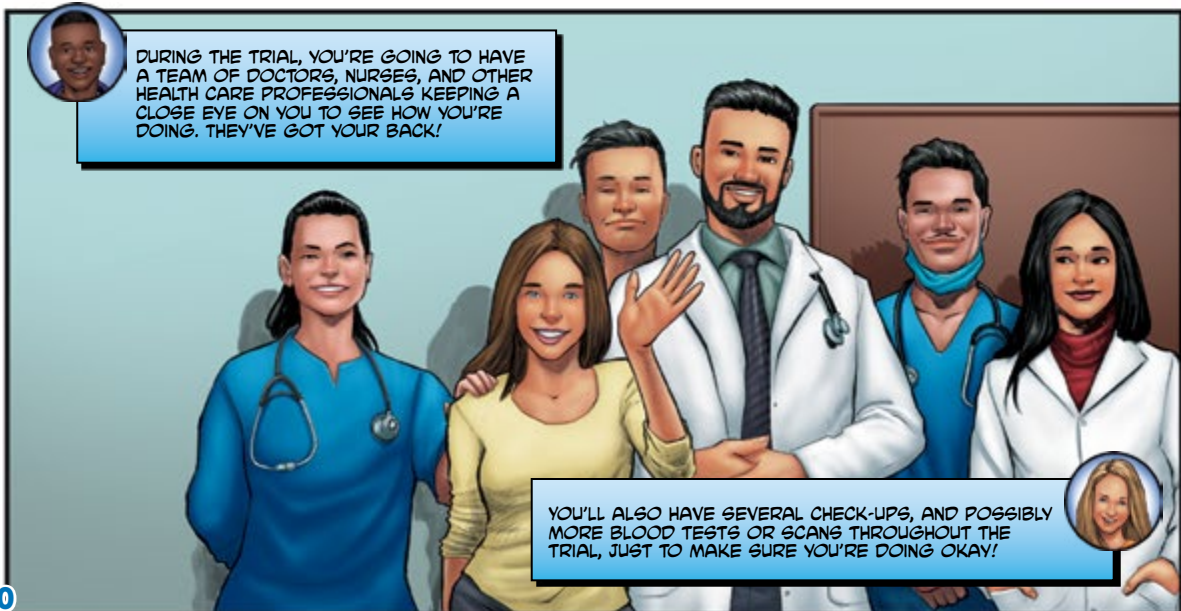




BEFORE STARTING A TRIAL, YOU MAY HAVE A PHYSICAL EXAM AND SOME TESTS, LIKE BLOOD TESTS OR SCANS, TO SEE IF YOU ARE ELIGIBLE TO PARTICIPATE.

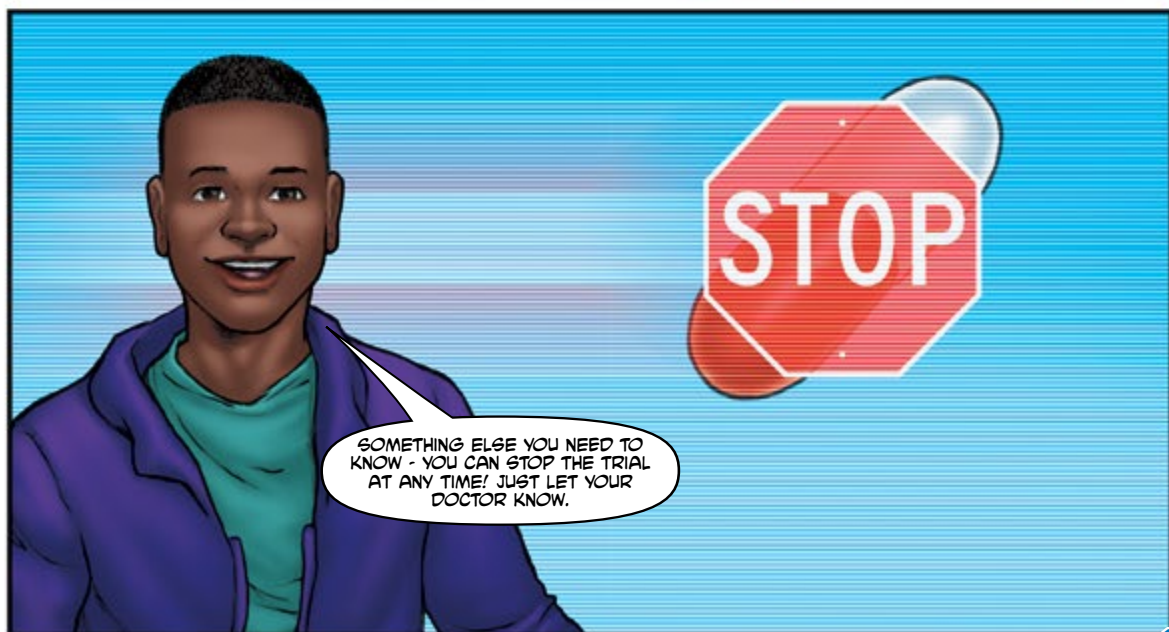
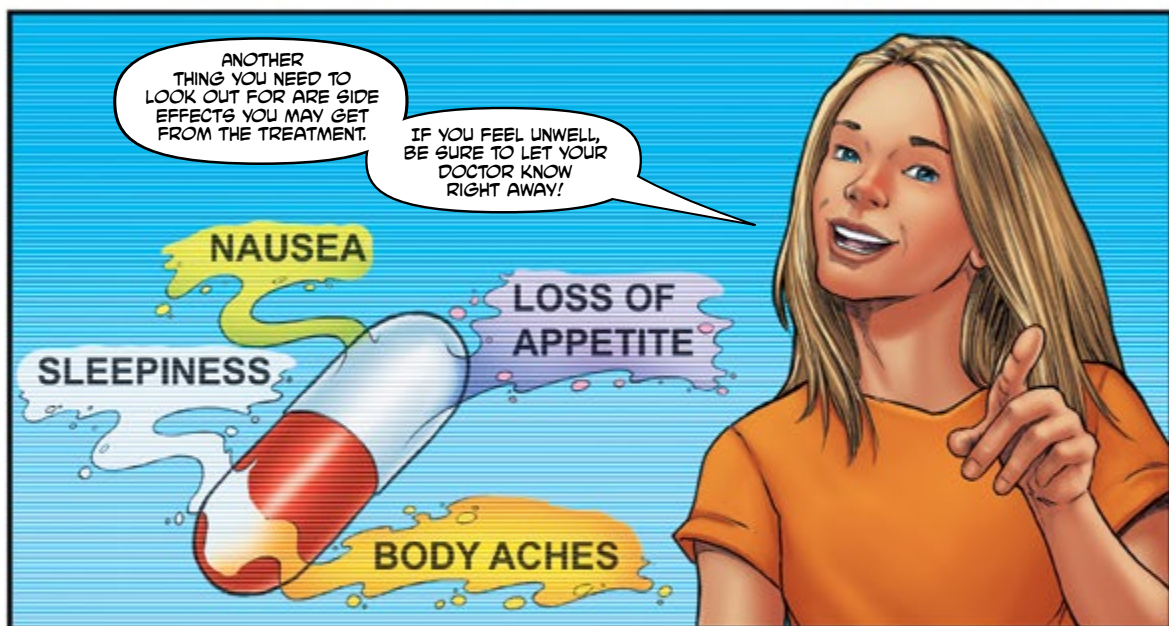
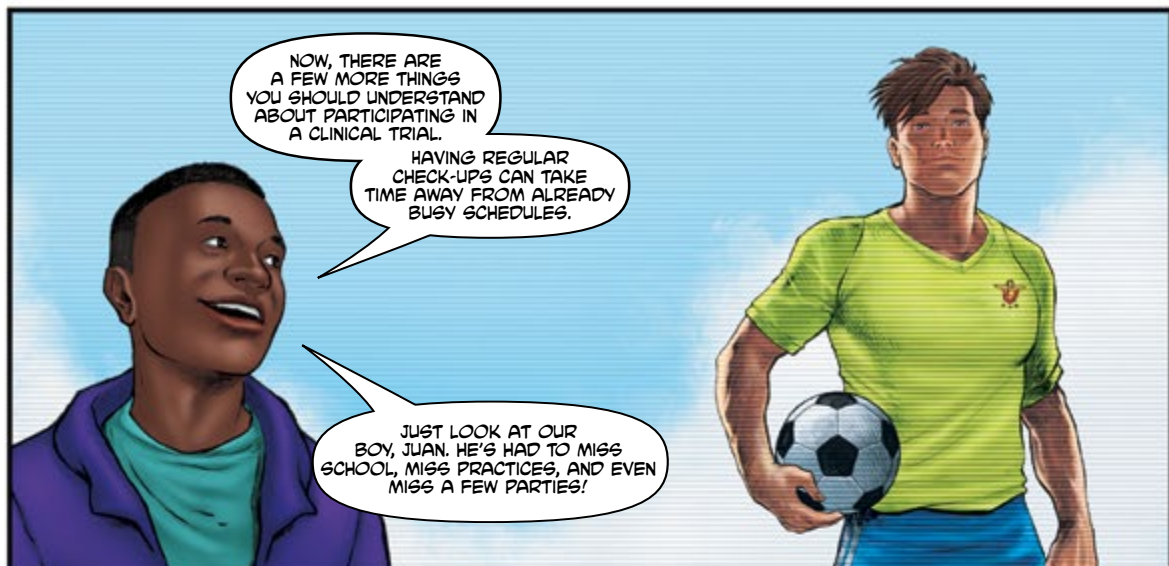


IF YOU JOIN THE TRIAL, YOU MAY BE ASKED TO FILL OUT QUESTIONNAIRES ABOUT YOUR HEALTH OR KEEP A DIARY ABOUT HOW YOU FEEL.



DURING THE TRIAL, YOU'RE GOING TO HAVE A TEAM OF DOCTORS, NURSES, AND OTHER HEALTH CARE PROFESSIONALS KEEPING A CLOSE EYE ON YOU TO SEE HOW YOU'RE DOING. THEY'VE GOT YOUR BACK!

YOU'LL ALSO HAVE SEVERAL CHECK-UPS, AND POSSIBLY MORE BLOOD TESTS OR SCANS THROUGHOUT THE TRIAL, JUST TO MAKE SURE YOU'RE DOING OKAY!





BEING IN A CLINICAL TRIAL HELPS MEDICAL RESEARCHERS DISCOVER BETTER TREATMENTS FOR PEOPLE.

WHILE BEING PART OF THE TRIAL, YOU MAY RECEIVE REIMBURSEMENT OR ITEMS LIKE A BACKPACK OR WATER BOTTLE TO HELP YOU NAVIGATE THROUGH IT.

HERE'S WHAT JUAN WANTED US TO SHARE WITH YOU: "I'M GLAD I'M PARTICIPATING IN THIS CLINICAL TRIAL. IT MAY HELP ME. AND WHAT IS LEARNED WILL HELP OTHER KIDS LIKE ME."

WELL, STUDENTS, I'M FINN!

AND I'M IRIS!

AND NOW YOU'VE GOT THE CLINICAL TRIALS KNOWLEDGE!

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