
MedScribe

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The Problem

— Diversity

Clinical trials are not representative of the general population

— Inaccessibility

There are too many barriers preventing specific demographics from participating

— Legal Jargon

Non-english speakers struggle to understand the legal language used in these documents

Target Audience



Example 1

Clinical trials are mentally
exhausting with no liability
coverage.



Example 2

Clinical testing on your child
in a completely foreign
language

Our Solution

- Translation
- Simplified Text Summary
- Electronic Signature
- FAQ chatbot
- Text to Speech

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ABOUT US

WELCOME TO MEDSCRIBE! WE ARE HAPPY TO BRIDGE THE DIVERSITY/ LANGUAGE BARRIER GAP IN CLINICAL STUDIES BY PROVIDING OUT USERS WITH THE ABILITY TO EASILY TRANSLATE THEIR CLINICAL TRIAL DOCUMENTS. AFTER UPLOADING THE OUTPUT BOX BELOW SHOWS ORIGINAL TEXT, TRANSLATED TEXT, AND A TRANSLATED SUMMARY.

FILE

UPLOAD

OUTPUT:

EXAMPLE ENGLISH TEXT

EXAMPLE OUTPUT LANGUAGE TEXT

EXAMPLE OUTPUT LANGUAGE SUMMARY

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MEDSCRIBE
CHATBOT

Come up with concepts for a retro style arcade game

Explain why popcorn pops to a kid who loves movie

Plan a trip to see the northern lights

Give me ideas for what to do with my kid's ar

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Could you explain the symptoms that may arise from nerve damage?

A

Neuropathy refers to damage or dysfunction of one or more nerves, often resulting in various symptoms depending on the type and location of the affected nerves. Chemotherapy-induced neuropathy typically affects the peripheral nerves, which are nerves outside the brain and spinal cord. Symptoms of neuropathy can vary widely from person to person but may include:

1. Numbness and tingling: Patients often describe sensations of numbness, tingling, or pins-and-needles in the hands, feet, fingers, or toes. This can be persistent or intermittent.

Make Response Shorter

Explain it to me like a lawyer

Tell me about more

Regenerate respon

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CONSENT FORM FOR CLINICAL TRIAL

(For use by participants - please read carefully)

I hereby give the [Name of the Sponsor/Institution] permission to use my personal information for the purpose of conducting the [Name of the Study] clinical trial. I understand that my participation in this trial is voluntary and that I may withdraw at any time without penalty. I have read and understand the risks and benefits of this trial and I agree to participate. I have signed this form in the presence of a witness and the [Name of the Sponsor/Institution] representative.

Signature

Date

Printed name

Relationship to patient



DOWNLOAD PDF

Design Process

Systems Thinking

- Low Recruitment --> Longer Trials
- Ineffective Medicine --> Less diverse recruitment

Positionality

- Ease of Access
- Empower marginalized groups to participate --> improved treatment

Design Justice

- Marginalized groups don't always react the same way to treatments
- Linguistic model - Time Saving

Sustainability Assessment

- Mutual benefit
- Saves paper and time from printing translated documents

Stakeholder analysis

- Trial Conductors and Participants

Inspiration and Ideation

Second generation immigrants

- Free + Easily Accessible
- Build out a translation feature
- Simplify legal jargon

Challenges

- Google Translation API Integration
 - GCLI locally instead of website
 - Combined different tutorials
 - Made a new account
- Front-end Back-end Integration
 - Integrating output to display correctly

Market

Competition

Datacubed Heath

- PAID!! English only

No translation or summary offered

Current Solutions

- Google Translate
- ChatGPT

Plan

Work with Research facilities to provide access to MedScribe

Implementation

Collaboration

The objective is to establish partnerships with universities, health centers, clinics, and hospitals.

Incentives

Researchers need diverse demographics to be willing to participate. Due to mutual benefit, funding will be easier to obtain.

Expansion

Include a fully operational chatbot as well as ink signature upload onto the pdf itself

Next Steps

- Passing IRB review (Accuracy and safety testing)
- User authentication system
- Feedback form
- Electronic signature input