Healthcare App - User Guide

Introduction

The Healthcare Translation App is designed to break down language barriers in healthcare settings. This guide will walk you through every feature to ensure effective communication between healthcare providers and patients.

System Requirements

- Modern web browsers (Chrome, Firefox, Safari, or Edge)
- Working microphone
- Internet connection
- Device speakers or headphones
- No installation needed to work directly in the browser

Detailed Features Guide

Language Selection

Setting Up Languages

- **Source Language**
  a. Located in the left dropdown menu
  b. Select the language being spoken
  c. Available options: English, Spanish, Hindi, Mandarin, Arabic, French
  d. Can be changed anytime during the session
- **Target Language**
  a. Located in the right dropdown menu
  b. Select the language for translation
  c. Same language options available
  d. Translations are bidirectional between any language pair

Best Practices

- Double-check language selections before starting
- Consider cultural preferences when selecting language variants
- Verify language choice with the patient/provider

Voice Translation Feature

Recording Voice

1. Starting a Recording

- Click the microphone icon or "Record" button
- Wait for the red recording indicator
- Speak clearly and at a normal pace
- Maintain a consistent distance from the microphone

2. During Recording

- A waveform display shows active recording
- Keep background noise minimal
- Speak in complete sentences
- Pause naturally between sentences

3. Stopping Recording

- Click the stop button when finished
- Recording auto-stops after long pauses
- Maximum recording length: 30 seconds

Reviewing Translation

1. Original Audio

- Playback available immediately
- Use to verify recording quality
- Can re-record if needed

2. Text Transcription

- Shows original spoken text
- Verify accuracy before proceeding
- Punctuation automatically added

3. Translation Display
- The written translation appears below
- Professional medical terminology preserved
- Cultural context considered

4. Translated Audio
- Click play to hear the translation
- Adjustable playback volume
- Can repeat playback as needed

Text-to-Speech Feature

Using Text Input

1. Accessing Text Input
- Click "Text to Speech" expander
- Clean interface for typing/pasting
- Supports special characters

2. Entering Text
- Type directly or paste text
- No character limit
- Supports medical terminology
- Can include punctuation

3. Converting to Speech
- Click "Convert to Speech"
- Processing takes 1-2 seconds
- Audio controls appear automatically

4. Common Use Cases
- Reading written instructions
- Explaining medications
- Sharing medical terms
- Reading test results
- Providing aftercare instructions

Best Practices for Healthcare Settings

For Healthcare Providers

- Position the device for easy access
- Test audio levels before patient interaction
- Use professional medical terminology
- Speak clearly and methodically
- Verify understanding frequently
- Keep sentences concise and clear

For Patients

- Speak at a normal conversation pace
- One topic at a time
- Use common words when possible
- Ask for clarification if needed
- Request slower playback if needed

Troubleshooting Guide

Audio Issues

- Check microphone permissions
- Verify microphone selection
- Close other audio apps
- Refresh browser

Playback Problems

- Check volume settings
- Verify speaker/headphone connection
- Try a different browser
- Clear browser cache

Translation Issues

- Re-record with clearer speech

- Use shorter sentences
- Check language selections
- Try text input instead

Processing Errors

- Check internet connection
- Refresh page
- Clear browser cache
- Try smaller audio segments

Privacy and Security

- No conversation storage
- Real-time processing only
- HIPAA-aware design
- Clear cache after use
- Log out of shared devices
- No personal data collected

Getting Help

- Contact technical support
- Report issues immediately
- Feedback welcome
- Regular updates applied
- Training available on request

Quick Reference Tips

✓ Test setup before patient encounters
✓ Position the device appropriately
✓ Speak naturally but clearly

- ✓ Verify language selections
- ✓ Check audio quality
- ✓ Maintain eye contact
- ✓ Ask for confirmation of understanding
- ✓ Keep sessions focused