www.hearxgroup.com

HEARX INTRODUCTION

April 2020

© 2020 Copyright hearX Group (Pty) Ltd. All rights reserved

INTRODUCTION TO HEARX

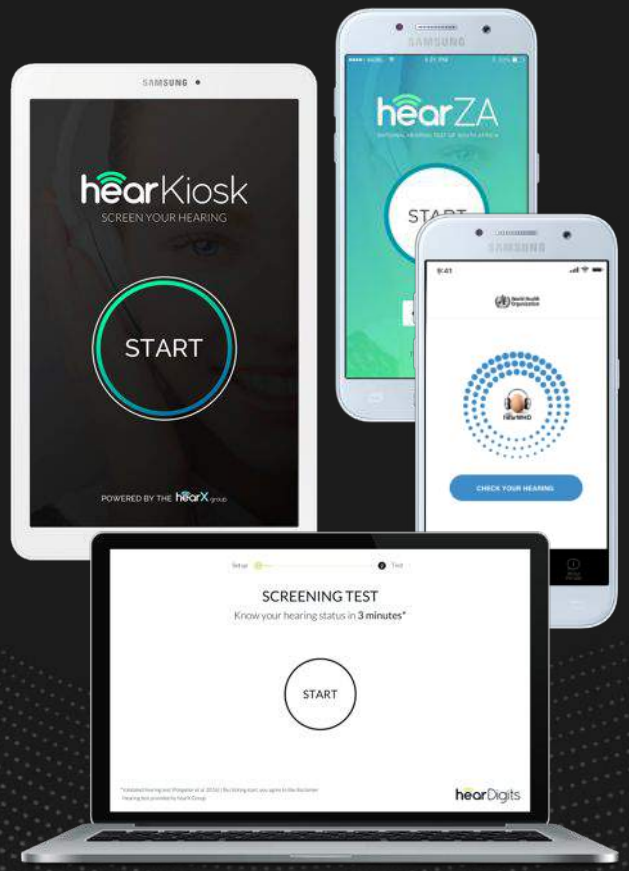
OVER A MILLION TESTS & PATIENTS WORLDWIDE

Active product use
in 39 countries

www.hearxgroup.com

HEARX PRODUCT SUITE

LEAD GENERATION



CLINICAL

PREVENTION

www.hearxgroup.com

HEARX CERTIFICATION

2017/18:

SAHPRA
South African
Health Products
Regulatory Authority

ISO 13485

CE

FDA

2019:

HIPAA

TGA

GDPR

HEARX SELF TEST KIT

hearX SELF TEST KIT

CURB-SIDE TESTING

Self test as a drive-through service

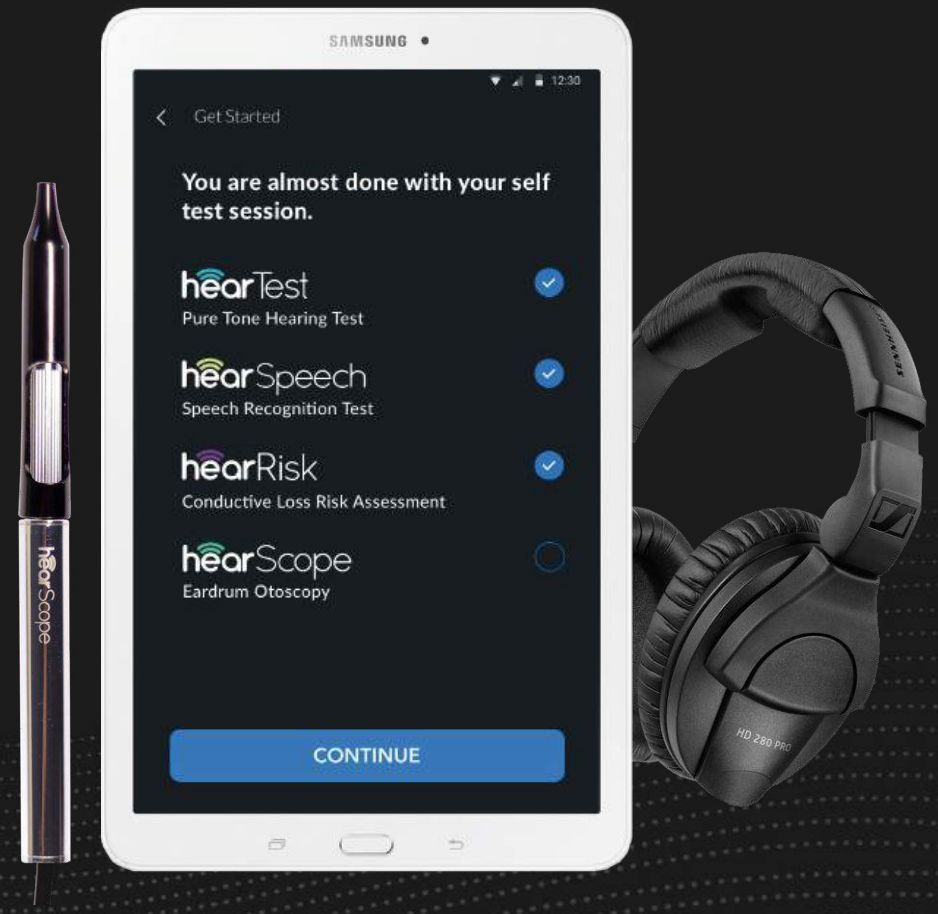
HOME TESTING

Self test for at-home testing

COUNTER-SIDE TESTING

Self test inside a monitored, in-store environment

hearX SELF TEST KIT

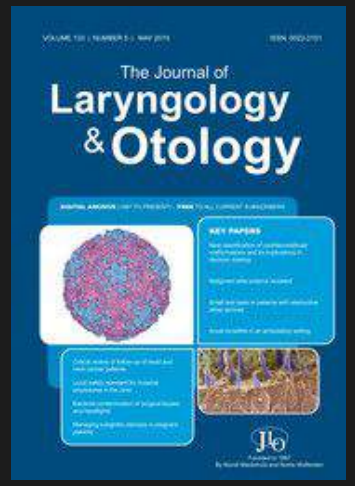


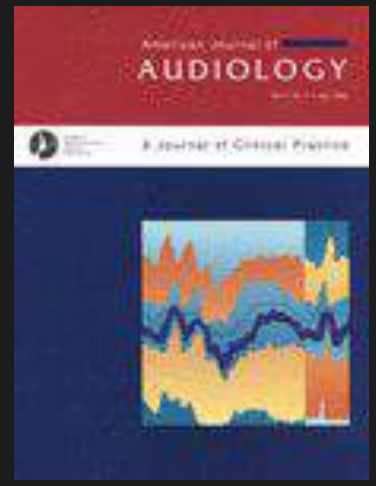
CUSTOMIZABLE TEST BATTERY

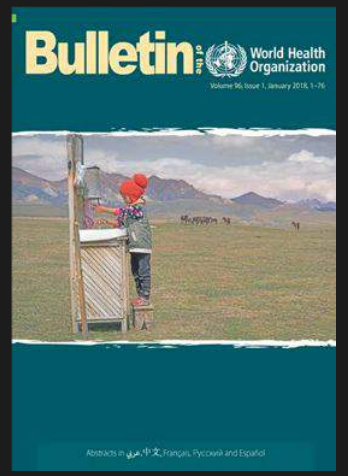
1. Pure tone audiometry
2. Speech-in-noise testing
3. Ear Risk Assessment
4. Digital AI otoscopy
5. Integrated cloud data management

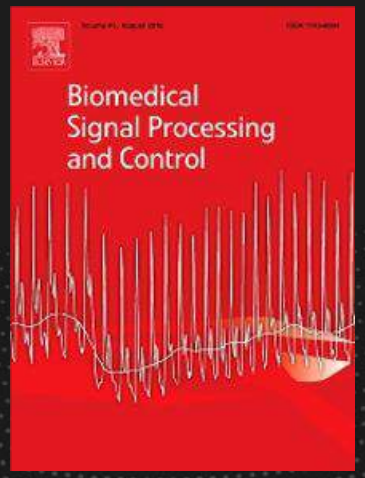
BUILDING BLOCKS OF THE SOLUTION

VALIDATED SOLUTIONS

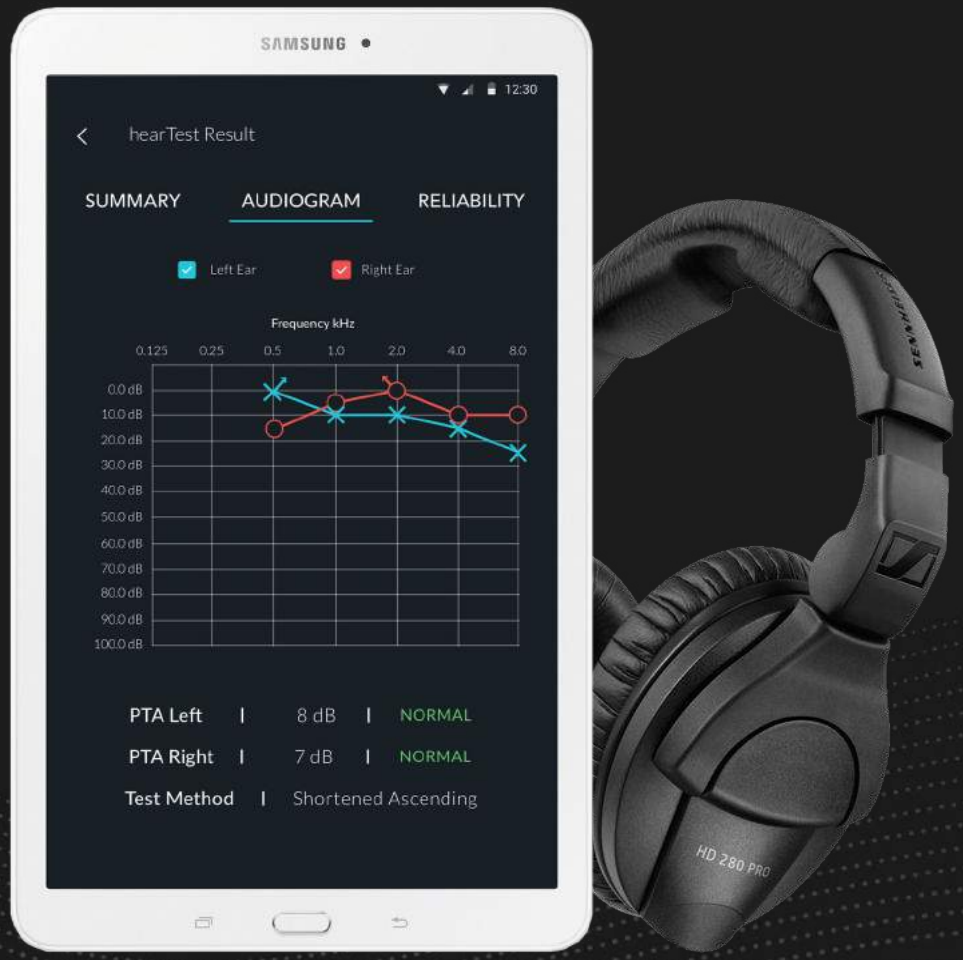








HEARTEST - DIGITAL AUDIOMETRY



hearTest

Automated audiometry on a tablet and calibrated headphones.

Validated (Peer-reviewed papers; WHO).

Real-time tracking for noise, false-positives, response times, retest reliability check

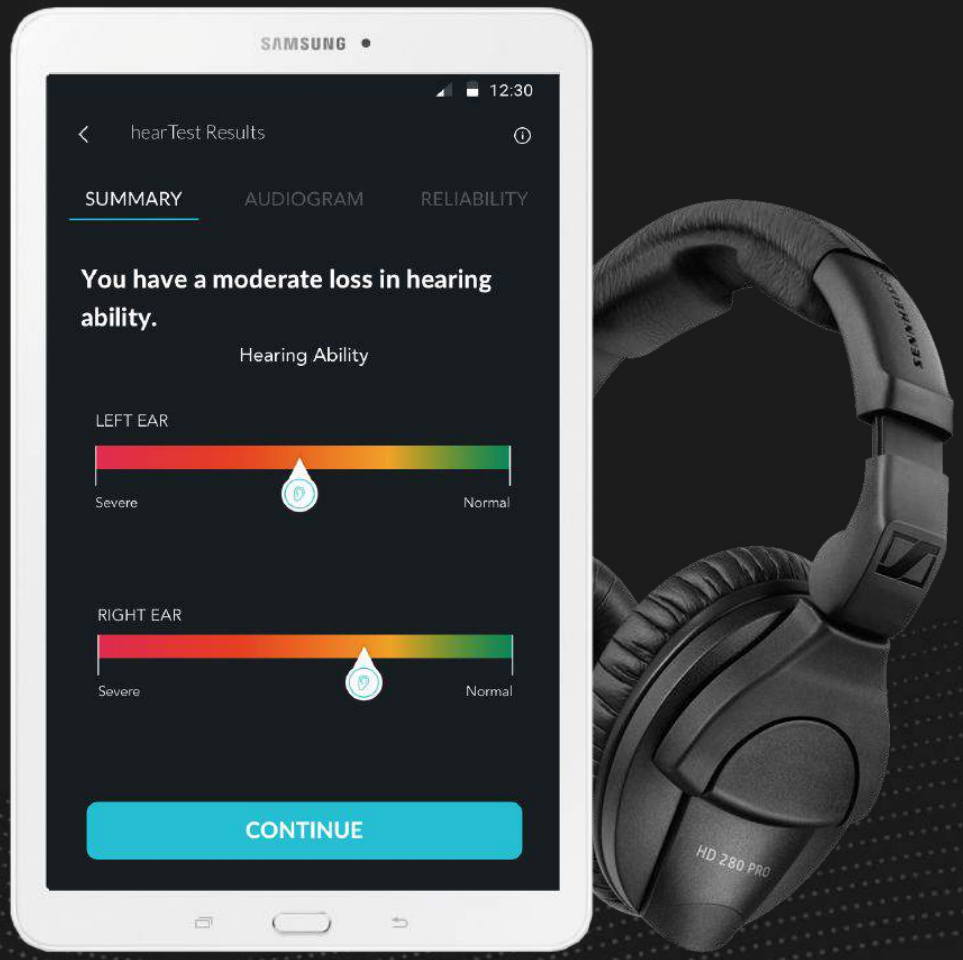
Intelligent threshold seeking: 80% time saving.

Test time: 3 - 6 mins for audiogram at 0.5, 1, 2, 4 and 8 kHz (left & right ears).

FDA and CE registered

www.hearxgroup.com

HEARTEST - DIGITAL AUDIOMETRY



hearTest

Automated audiometry on a tablet and calibrated headphones.

Validated (Peer-reviewed papers; WHO).

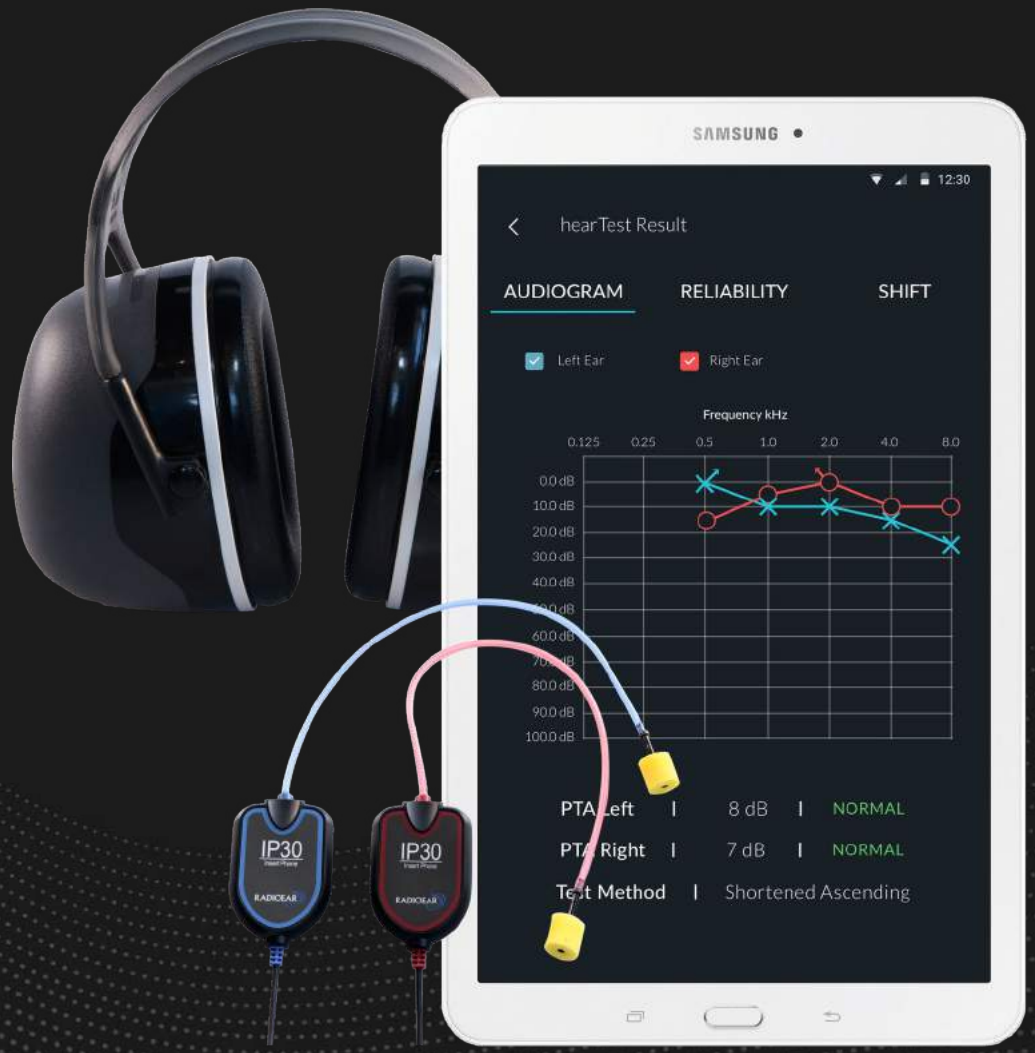
Real-time tracking for noise, false-positives & response times.

Intelligent threshold seeking: 80% time saving.

Test time: 3 - 6 mins for audiogram at 0.5, 1, 2, 4 and 8 kHz (left & right ears).

FDA and CE registered

HEARTEST - DIGITAL AUDIOMETRY



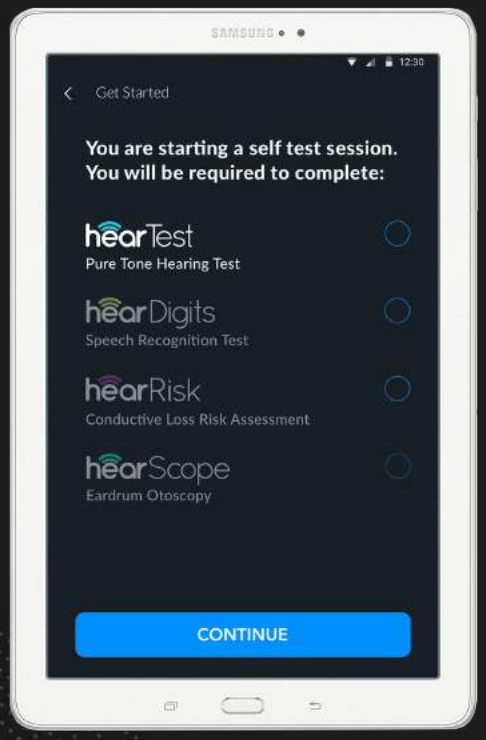
hearTest

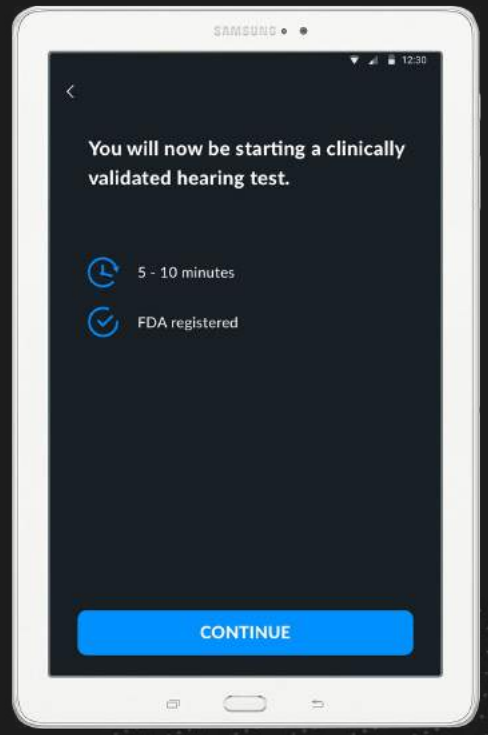
Insert headphone (with disposables) available.

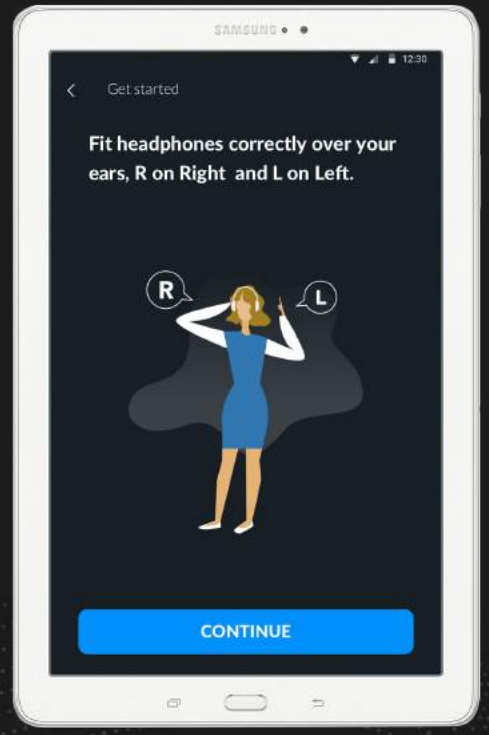
Attenuation similar to a single-wall soundproof booth.

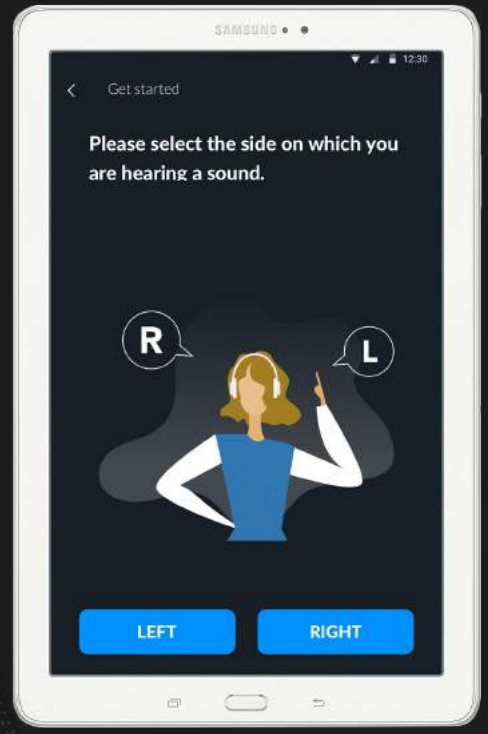
Note: Production time implications for this headset

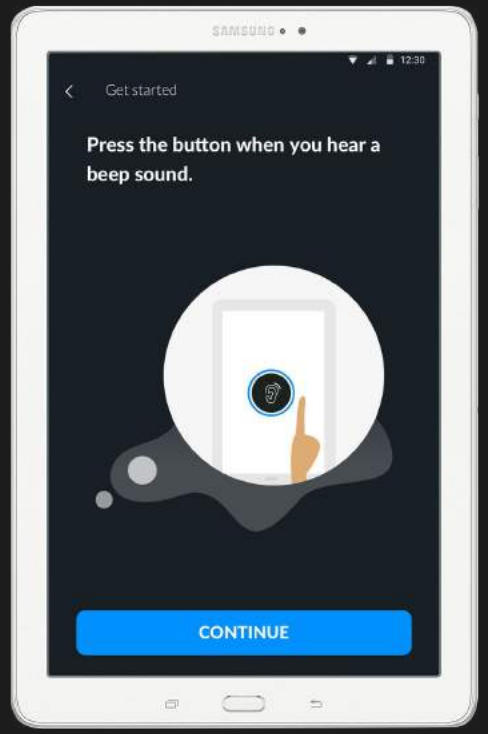
hearTest SCREENS





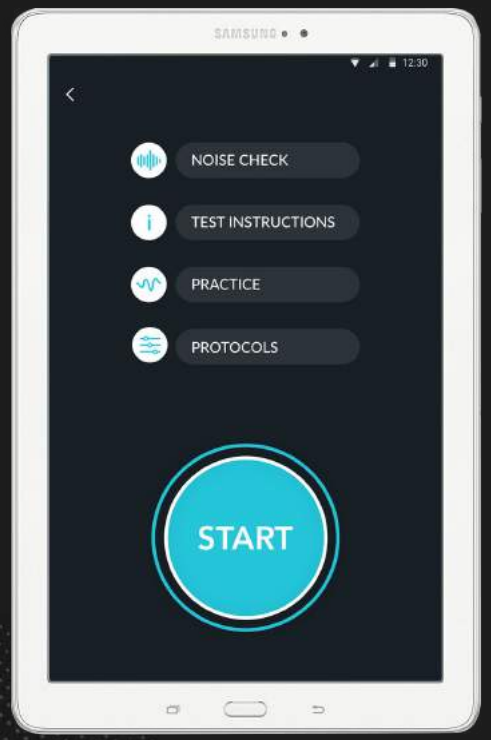


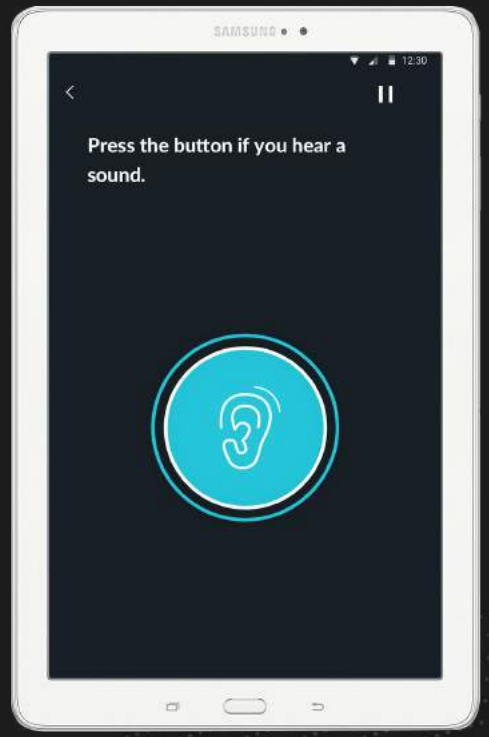


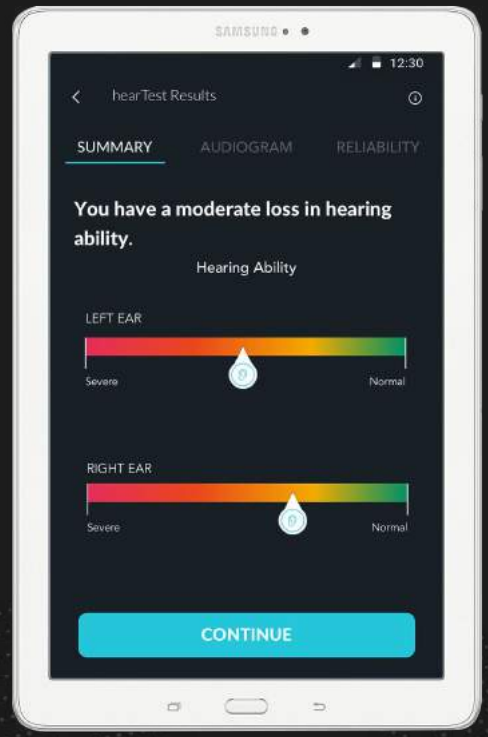


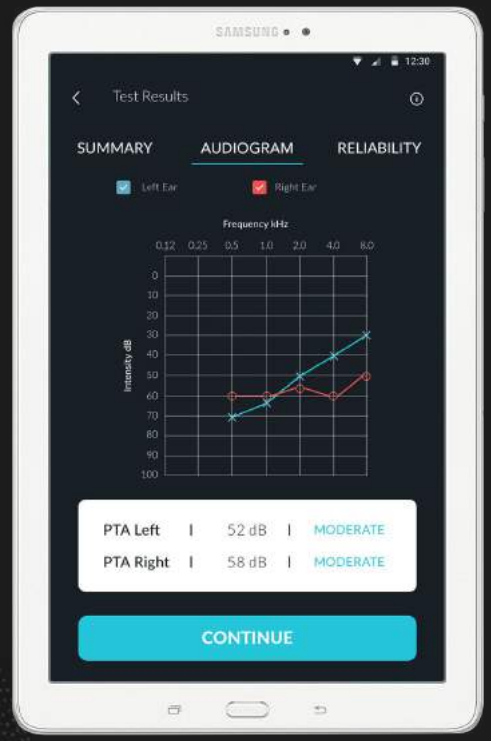
Software checks to see if headphones are fit correctly

hearTest SCREENS









Summary screen to interpret PTA categories

Quality control measures and noise concerns

SPEECH-IN-NOISE TEST

hearSpeech

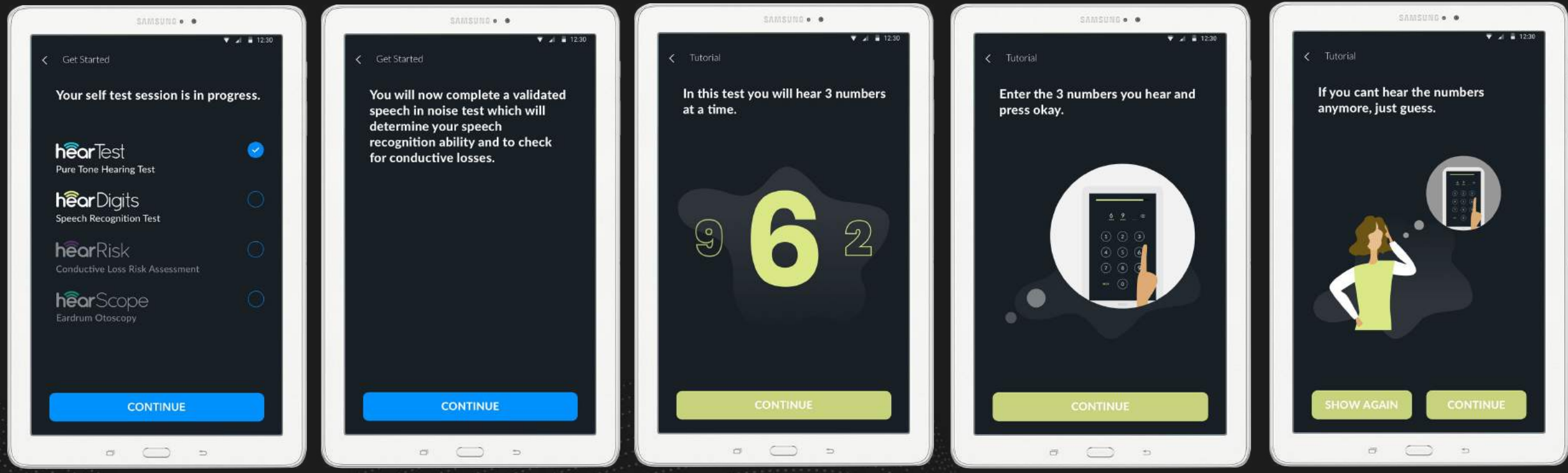
Digits-in-noise test paradigm using antiphasic and in-phase signals.

Provides speech recognition thresholds (dB SNR) and masking level difference score.

Informs counselling and managing hearing aid expectations.

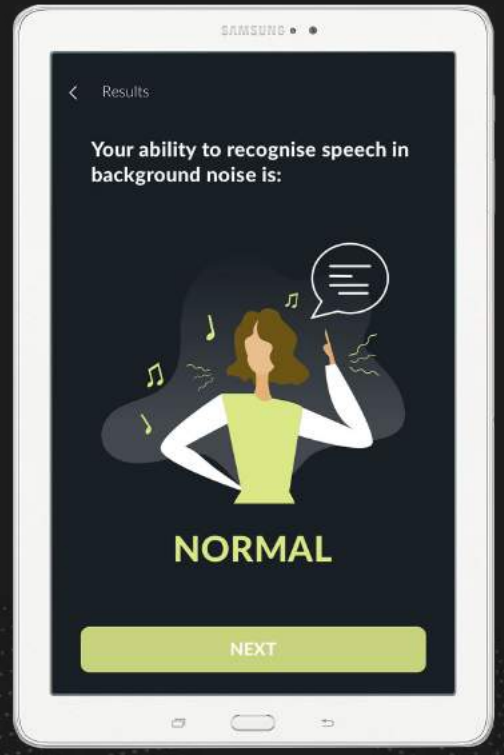
Test time: 5 mins

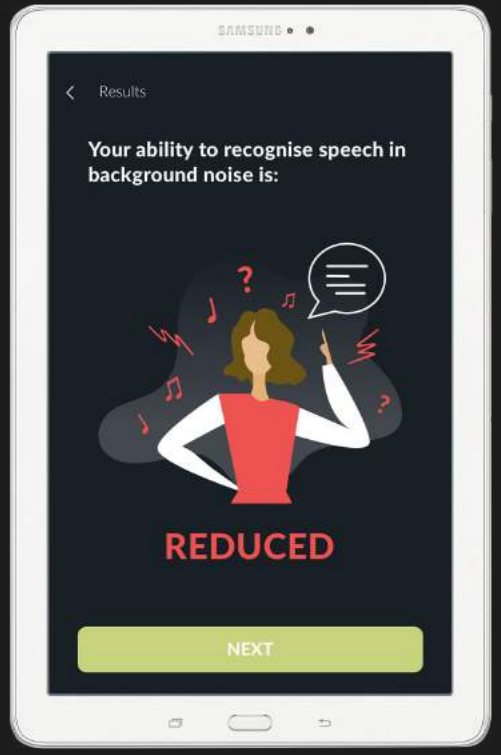
hearSpeech SCREENS



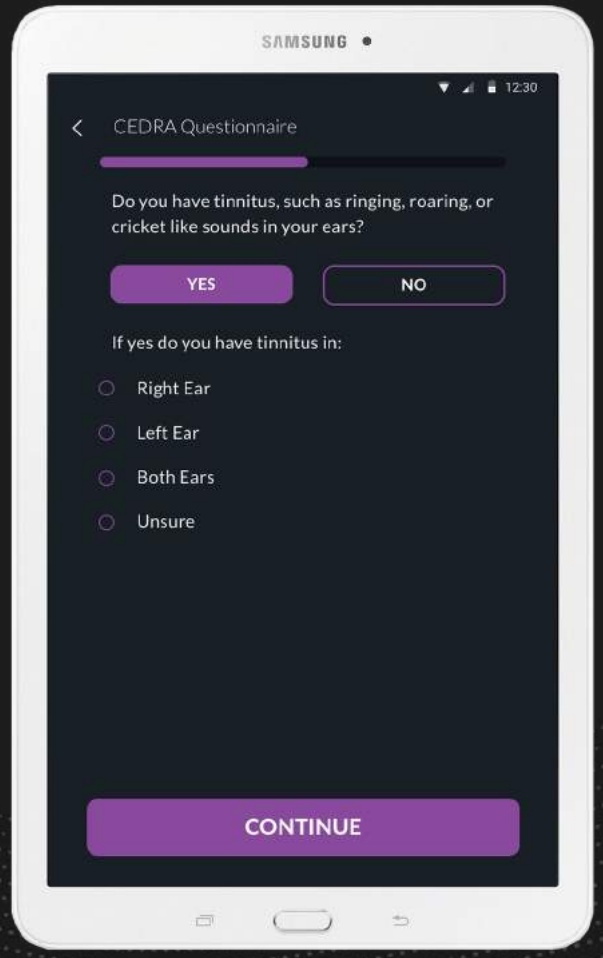
Tutorial on test paradigm

hearSpeech SCREENS





EAR RISK ASSESSMENT



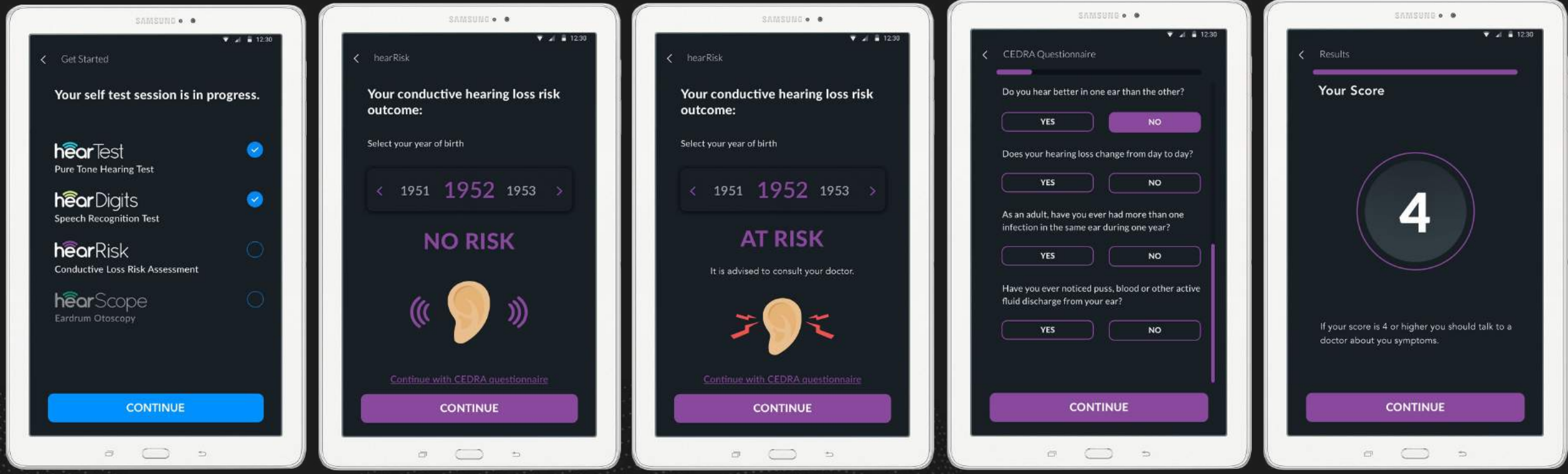
hearRisk

Indication of conductive loss risk **Patent pending*

Optional CEDRA questionnaire for ear disease

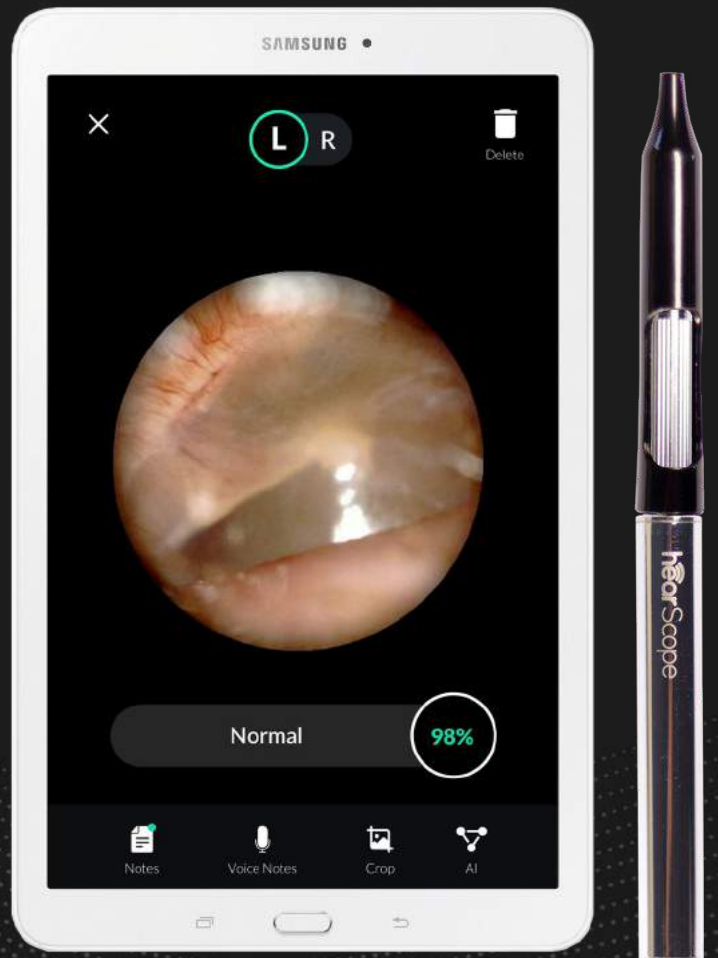
Test time: < 1 min
+ 5 mins (CEDRA questionnaire (optional) for ear disease)

hearRisk SCREENS



CEDRA questionnaire and score

DIGITAL AI OTOSCOPY



hearScope

Easy to use digital otoscope operated from the same tablet.

Auto-crop and auto-zoom features

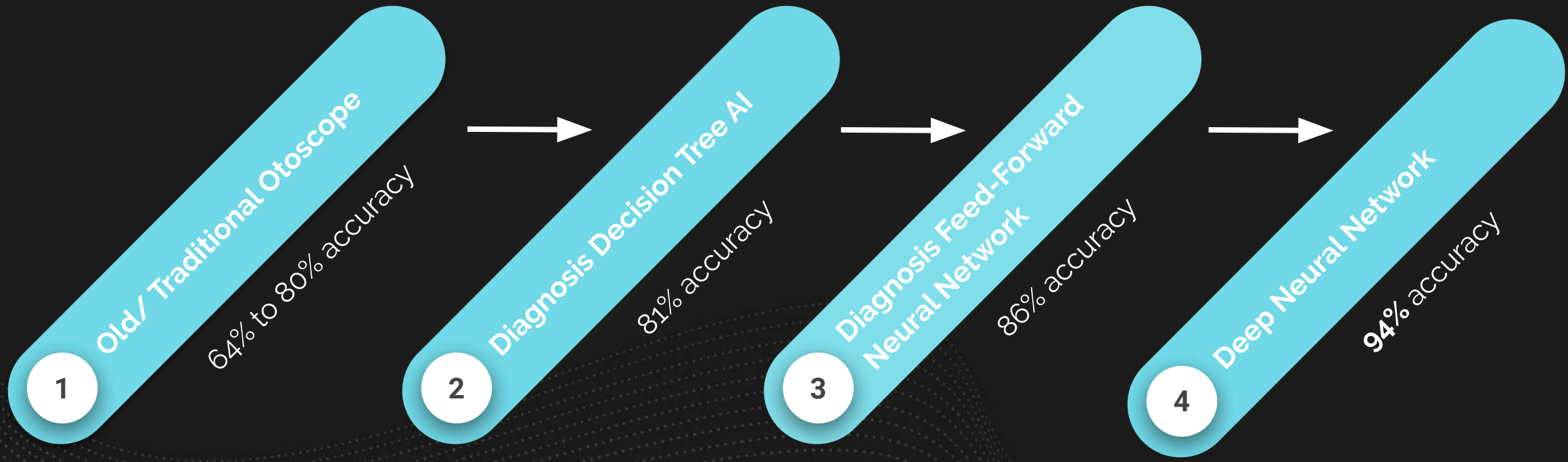
AI image classification, makes this a great remote-care tool.

94% classification accuracy: Normal, Wax obstruction, Perforation and Abnormal

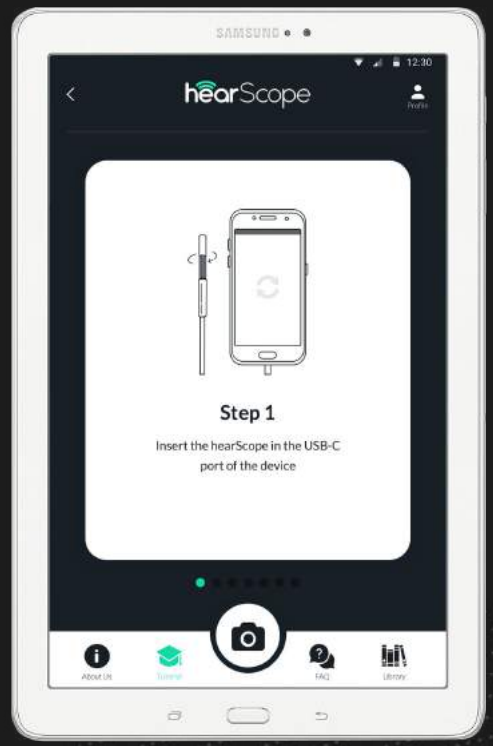
Test time: 2 min

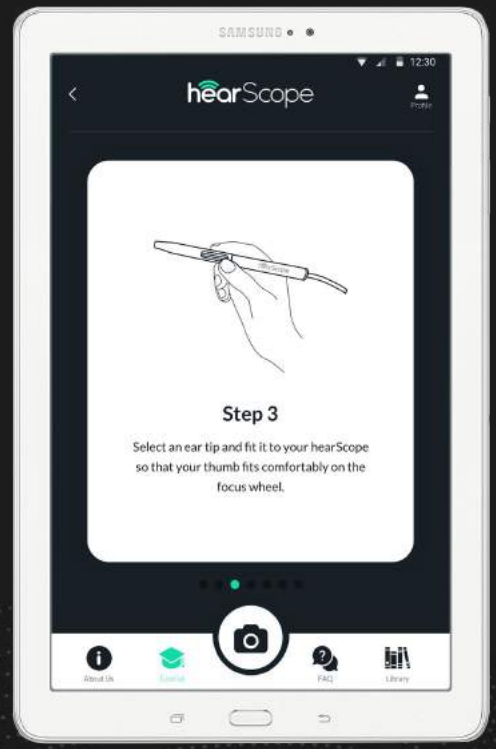
www.hearxgroup.com

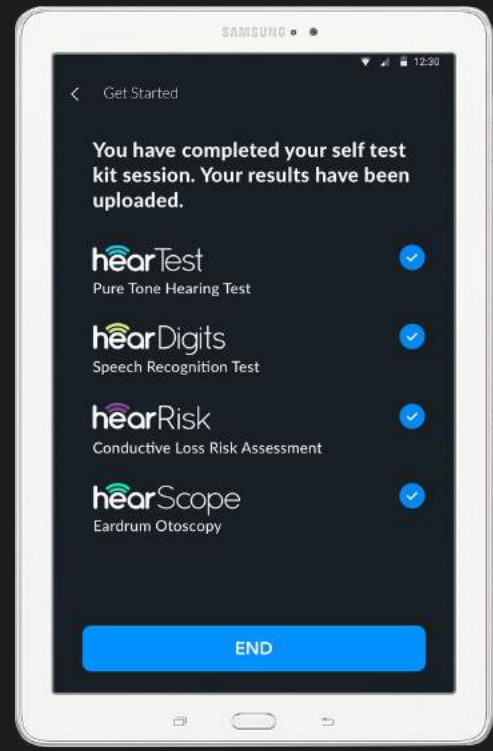
DIGITAL AI OTOSCOPE - ACCURACY



hearScope SCREENS

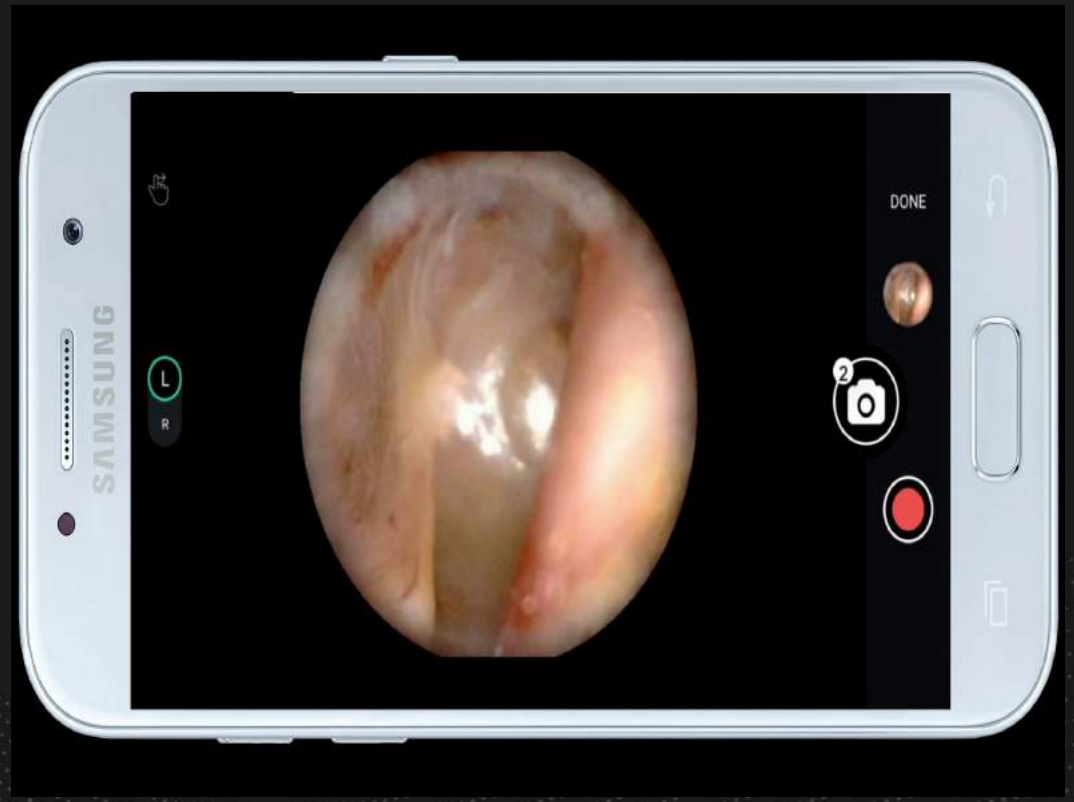






Camera capture with AI image classifications

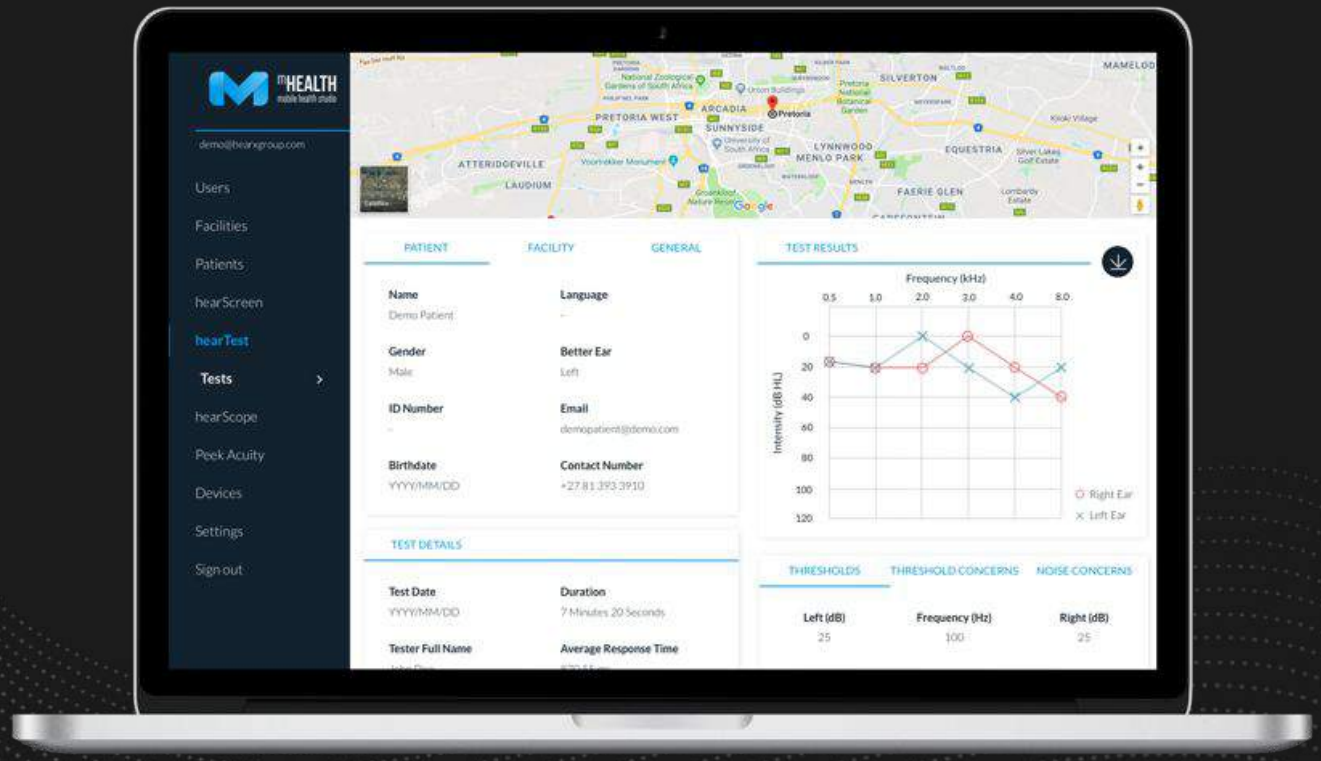
DIGITAL AI OTOSCOPE - RAPID AI



Normal

Wax Obstruction

ONLINE TEST & PATIENT MANAGEMENT



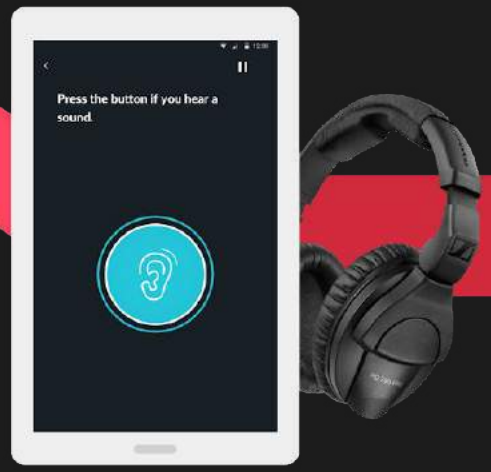
mHEALTH
mobile health studio

HIPAA-compliant data management tool for online, real-time viewing of customer & test information.

USER JOURNEYS

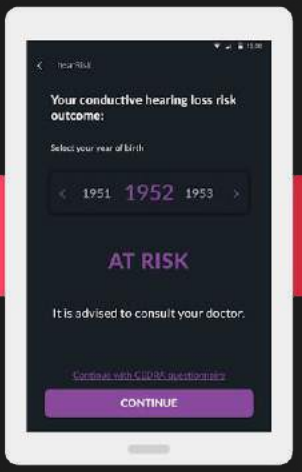
COUNTER-SIDE USER JOURNEY

Counter-side kit in store

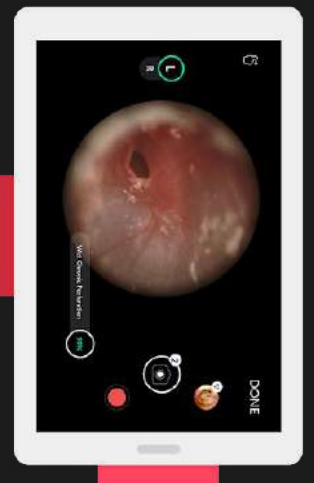


Tone Test (air conduction)

Speech recognition test (DIN)



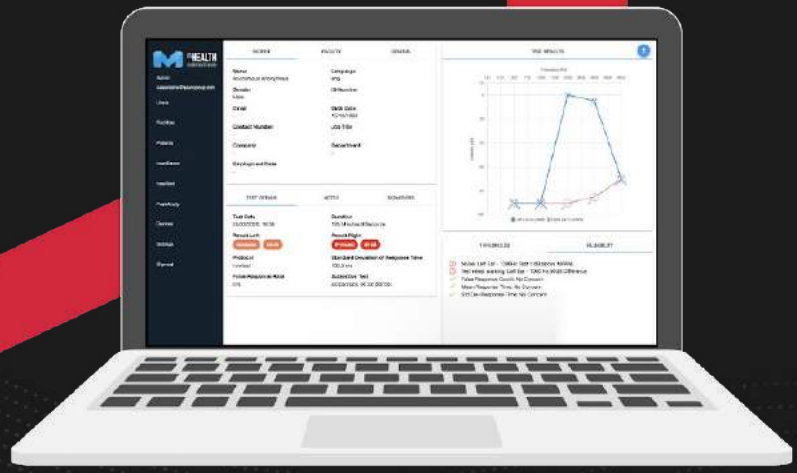
Ear Risk Assessment



Digital otoscopy

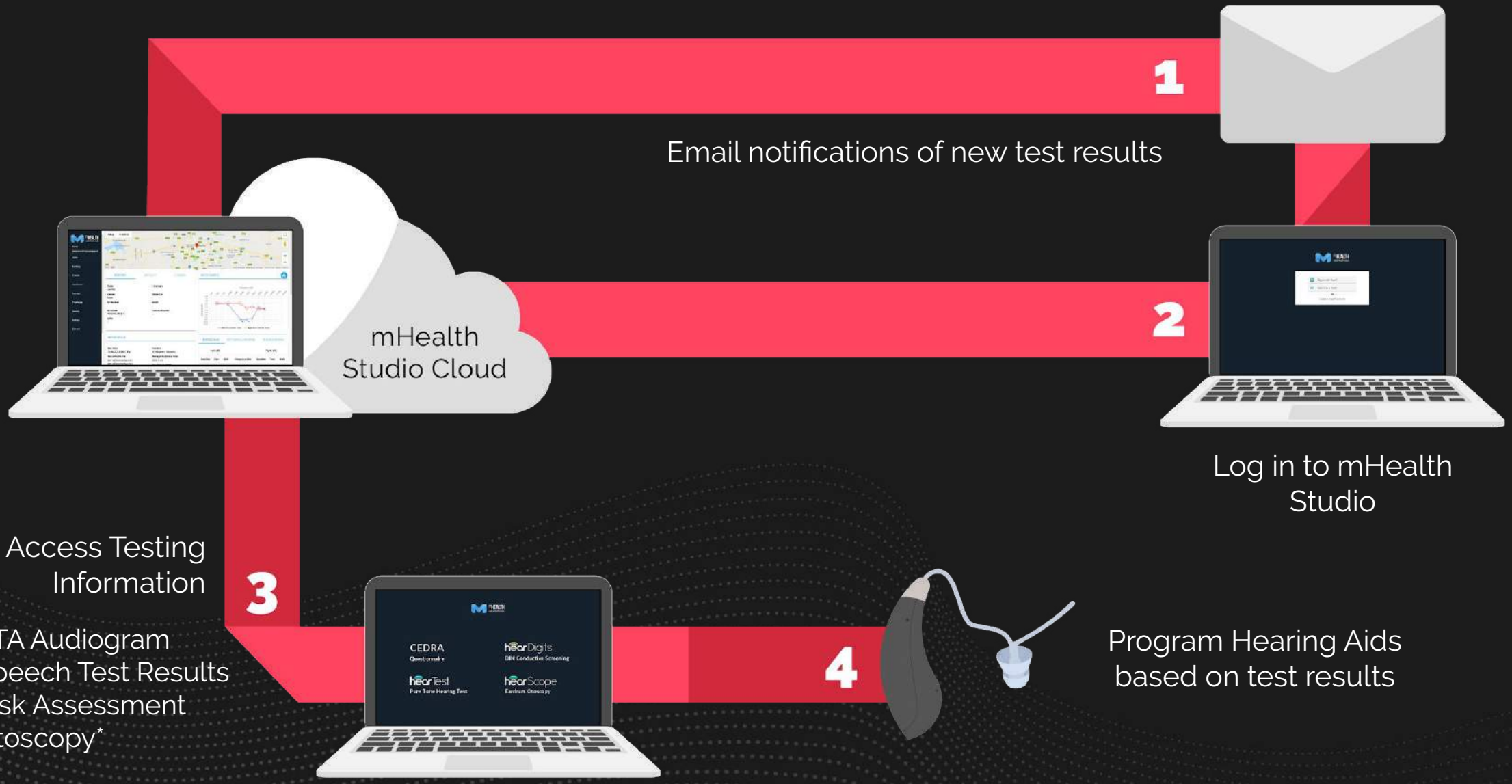
Device collection & checkout

Device programmed based on results



Results accessed real-time via cloud by audiologist

AUDIOLOGIST USER JOURNEY



www.hearxgroup.com

All content and imaging presented here are classified hereby as strictly confidential and may not be shared without the prior written permission of the hearX Group

© 2020 Copyright hearX Group (Pty) Ltd. All rights reserved