attune™
hearing each moment

An Innovative System for Improving Hearing Healthcare in the General Population

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Attune Hearing

Australia

Audiology Practice ACCREDITED

AUSTRALIAN OWNED

Quality Innovation Performance

NSQHS STANDARDS

otohub

Future of Audiology, Now!

Hearing Loss: Numbers

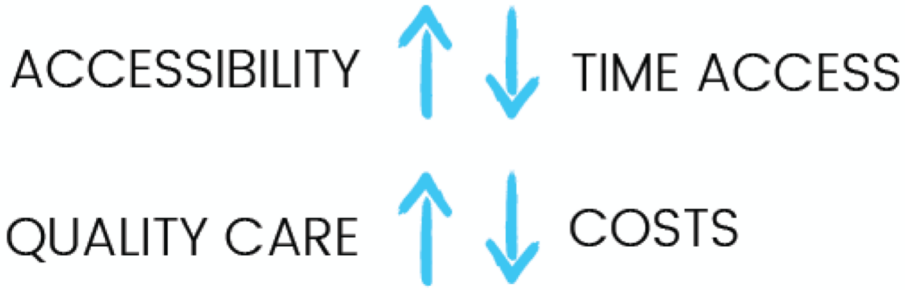
- According to WHO, there are over **360m people worldwide with a Hearing Loss**
- **80%** of people with **disabling** hearing loss can not access hearing healthcare services because of travelling distances and costs
- The **Growth Rate** is estimated to be **6%** worldwide and growing in number each year

- The offer for audiological services does not meet the demand

- The mismatch between the demand of audiological services and the capacity to deliver services to the community is growing

Hearing Loss: Numbers

How improve Hearing Healthcare?



Technology

Developing consumer centric hearing healthcare technology in conjunction with less expensive and highly portable diagnostic equipment

Products

Otohub ToneGeneratorEngine™

OtohubCommunicationEngine™

oto PAD

- 1st iPad Based ANSI Compliant full 2-channel Audiometer
- 9 Professional Transducers
- Custom PDF Reports
- HIPAA Compliant
- NOAH Integration
- Full Diagnostic Pure Tone Audiometry - AC/BC, CAPD, Speech and Tinnitus

oto KIOSK

- 1st Calibrated Hearing Kiosk
- Powerful Web-Portal
- Hearing Aid Simulation
- HIPAA Compliant
- NOAH Integration
- Customizable Hearing Screening Protocol

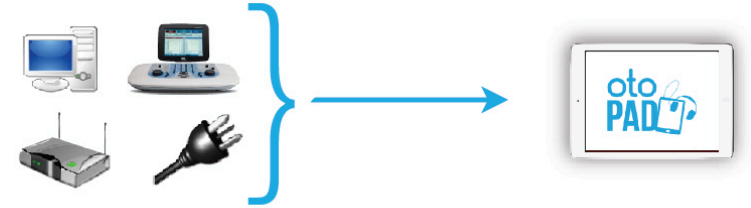
oto REMOTE

- 1st Tele Audiology on Mobile Devices
- ANSI Compliant
- Compatible with very low bandwidth
- HIPAA Compliant
- NOAH Integration
- Pure Tone Audiometry, including AC, BC, CAPD, Speech and Tinnitus

Otohub: OtoPad

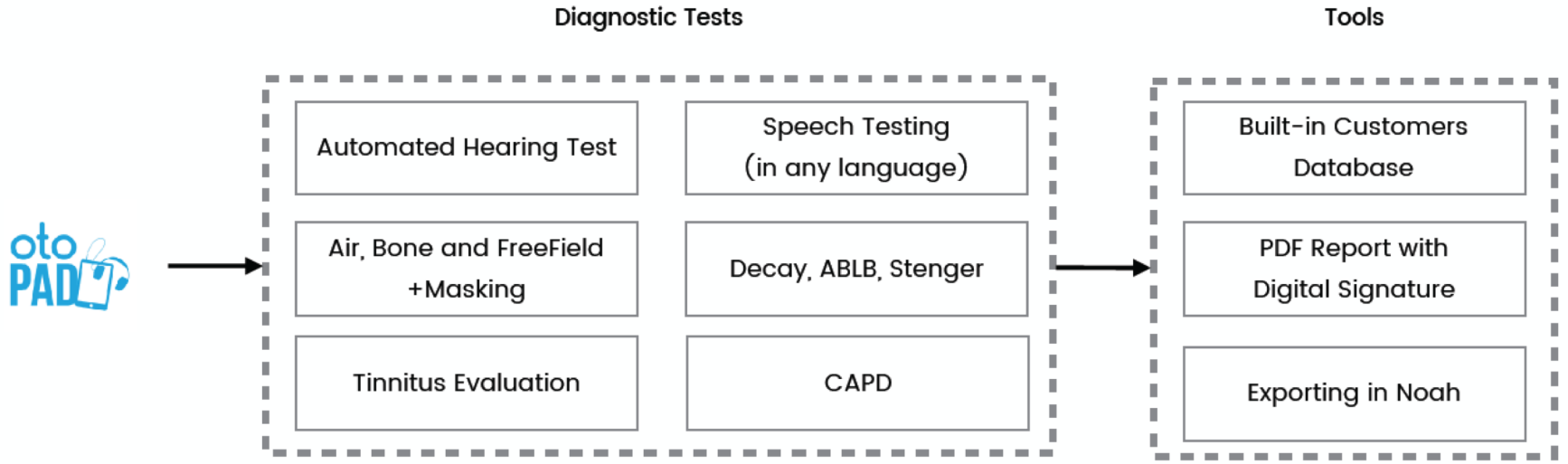
OtoPad v1.0

OtoPad is the **1st iPad based audiometer** ANSI and ISO-EN certifiable, NOAH Certified using professional transducers at a fraction of the cost



- 9 Professional Transducers
- ∞ PDF Report Templates
- 6+ Languages
- ✓ HIPAA Compliant

OtoPad: Innovative Diagnostic Equipment



- **OtoPad** includes all of the **diagnostic hearing tests** of classic big box audiometers but also tools which save time, at a **fraction of the cost**, thus increasing efficiency and lowering costs

OtoPad: Patients Database

a Add New Patient

b Search for a Patient Profile

c List of your Patient Profiles

d Export selected Patient Profile to NOAH
(not available with this version)

e Import a new Patient Profile from NOAH
(not available with this version)

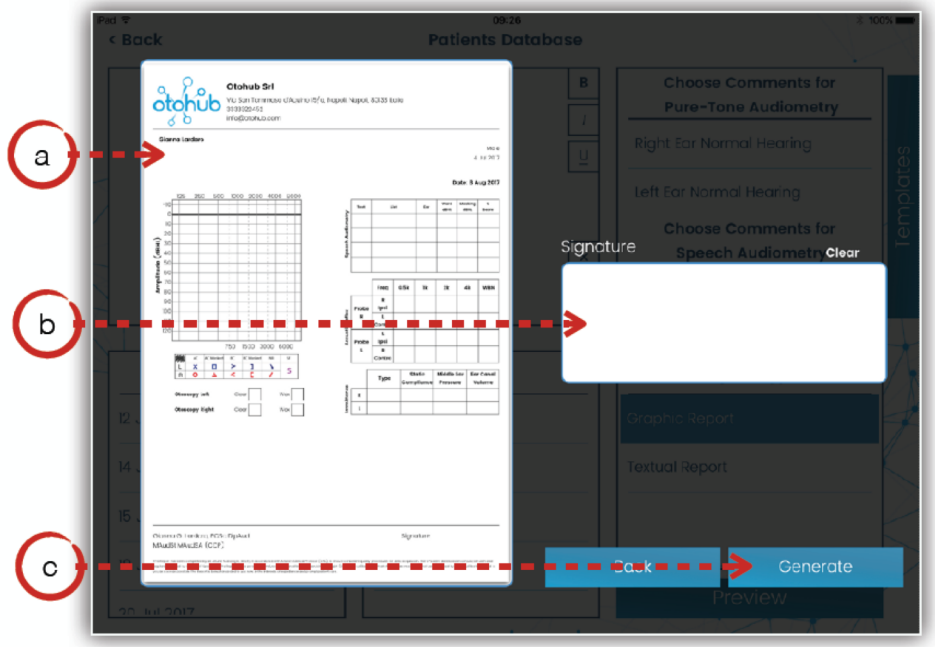
f Access to Report Section

OtoPad: Reporting Function

a Interactive PDF Preview

b Signature Box

c Generate and Export PDF Report



OtoKiosk: Main Features

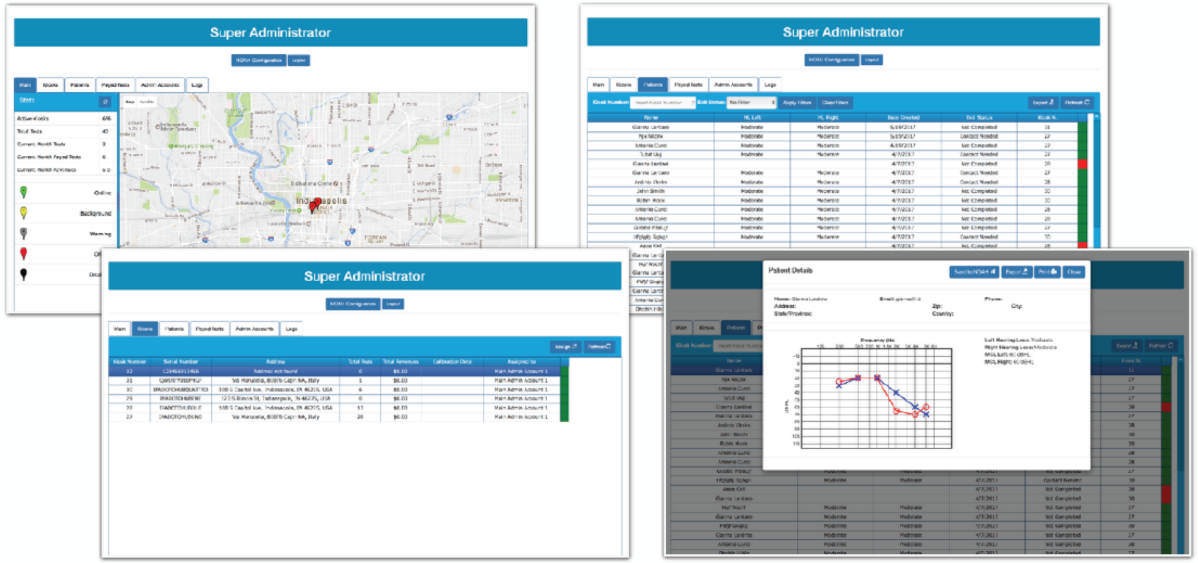
OtoKiosk v1.0

Otohub has developed the **1st Calibrated Hearing Kiosk Audiometer**: automatically collects Patient Data, performs a calibrated Hearing Test, let them “hear” the Solution

- Instructional Videos
- NOAH Certified
- Hearing Test based on Hughson-Westlake
- Hearing Aid Simulation
- eCommerce Built-in (on request)

OtoKiosk: Webportal

OtoKiosk relies on a dedicated webportal hosted on Amazon Web Server with SSL Certificates: your data is safe



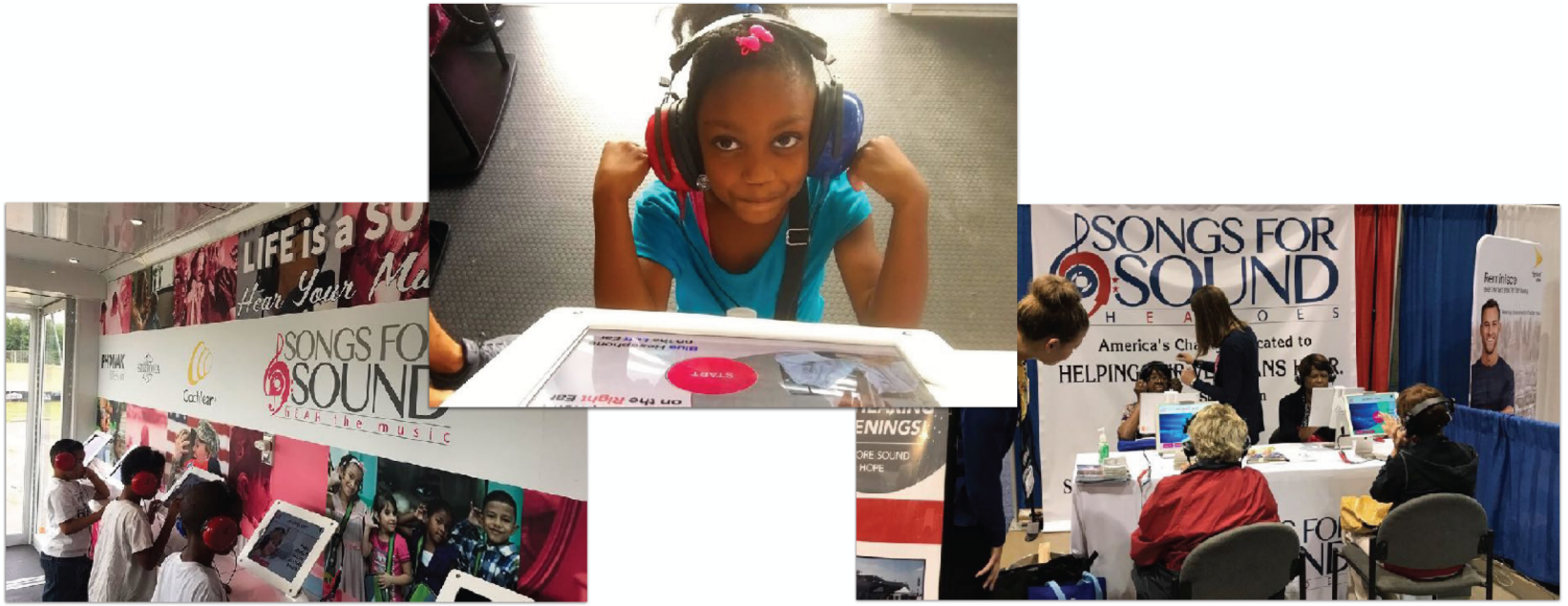
- OtoKiosk Full Remote Control
- Clinicians Sub-webportal
- Patients Data: Filtering, Exporting, Reporting
- Automatic follow-up emails

OtoKiosk: Competitors Landscape

	BayAudio	Spinach Effect	Prism Hearing	iEar (AppStore 0.99$ app)	ShoeBox (ClearWater)	OtoKiosk
FEATURES						
Screening Test	✅	✅	✅	✅	✅	✅
Calibrated Test	X	X	X	X	X	✅
NOAH Integration	X	X	X	X	X	✅
Hearing Device Simulation	X	X	X	X	X	✅
Web Portal	X	✅	X	X	✅	✅
Refer to Professional	X	✅	X	✅	✅	✅
Pay for Testing Function	X	X	X	X	X	✅
eCommerce	X	X	X	X	X	✅
HIPAA	X	X	X	X	✅	✅

OtoKiosk: Philanthropic Missions

Songs for Sound - www.songsforsound.com



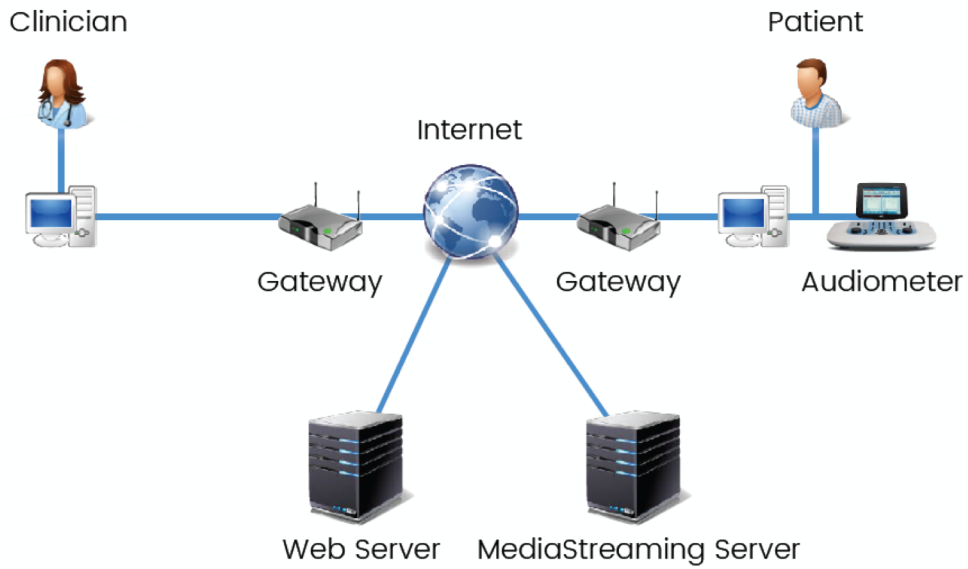
Tele Audiology: Current Approach

Asynchronous:

- No Direct Communication with the Patient
- No Time Saving
- Very low bandwidth needed
- Inexpensive Solution

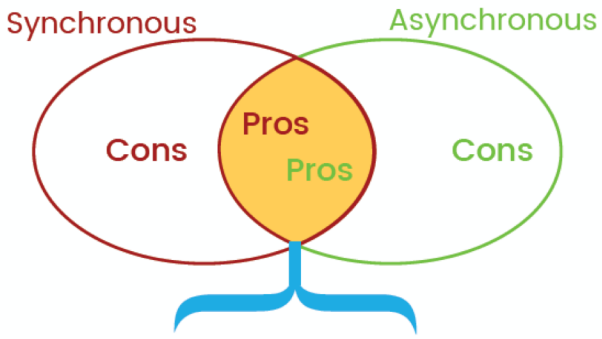
Synchronous:

- Direct Communication with the Patient
- Time Saving
- High bandwidth needed
- Very expensive



OtoRemote: Unique TeleAudiology Solution

We have developed the **1st iPad teleaudiology** system **on mobile devices**
ANSI and ISO-EN certifiable, NOAH Compatible



- ANSI Certifiable
- High Portable
- Low Cost
- Very Low Bandwidth
- Patient Database
- HIPAA
- High Customisable
- No servers needed!

oto REMOTE

OtoRemote: Future of Audiology

- **First TeleAudiology solution on mobile devices**
- Pure Tone, Speech, Tinnitus and much more
- Patients Database built-in
- PDF Reporting
- **NOAH Integrated**
- ANSI and ISO-EN Compliant

Summary

- This device enables non-professionals to perform hearing tests using patient centric calibrated technology on portable diagnostic equipment specifically designed for this purpose (an iPad with special software and the ability to be accurately calibrated).
- The calibrated iPad can be used both manually or automatically. The iPad audiometer collects patient data, performs a calibrated hearing test and provides the results to the audiologist or medical practitioner in real time. It is used with standard audiometric headphones and can be calibrated to international standards.
- The benefits are that it will allow the audiologist or medical practitioner to triage the appropriate referral pathway for their patients and it has time saving benefits for both the audiologist or medical practitioner and patient.

For further information

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